Appendix 10.3 - Baseline Database -Turbine Delivery Route, Option 3A
Oatfield WF, Co. Clare

Project Ref. 604569
Prepared by: Cca / DW
Date: 17/11/2023
File Ref: 604569-Geo-R03-App10.3-(00)-Baseline Database -Turbine Delivery Route

	TDR		Assessment Location		Grid Coordinates (ITM)		Construction Details		Surface Water				Groundwater / Bedrock Aquifer						Groundwater / Wells / Abstraction		Designated Areas			Assessment Graphics / Comment	
Row No.	Turbine Delivery Route (TDR)	County	Location ID	Assessment Location Category	Easting	Northing	Type of Water Crossing / Construction Activity	Approximate Construction Depth (Excavation / Drilling) Depth Relative to Ground Level)	SW 50m Buffer	Receptor Category (Mapped river = EPA / WFD mapped)	River basins	Subcatchments	Aquifer Vulnerability	Potential Depth to Bedrock (acc. To GSI categories)	GW Aquifer Type	Excavation in or near Bedrock (In line with GSI mapped Aquifer Vulnerability)	Karst 25m buffer	Distance to Karst Feature	GW Abstraction 250m Buffer	Groundwater Source Protection Area NFGWS	SAC 50m Buffer	SPA 50m Buffer	Within SAC / SPA / NHA ?	Map Tile Number	Comments & MITIGATION MEASURES
					ITM	ITM		mbGL	50m										250m						
1	Turbine Delivery Route Option 3A	Limerick	0	TDR 25m intervals	524783.71	651780.74	NA	NA	No	NA	FOYNES_010	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(Pu) Poor Aquifer - Bedrock which is Generally Unproductive	NA	NA	2721.34	No	No	Lower River Shannon SAC	River Shannon and River Fergus Estuaries SPA	No		ELEVATED RISK Within Lower River Shannon SAC Buffer Within River Shannon and River Fergus Estuaries SPA Buffer
2	Turbine Delivery Route Option 3A	Limerick	25	TDR 25m intervals	524805.25	651768.06	NA	NA	Yes	FOYNES_010	FOYNES_010	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(Pu) Poor Aquifer - Bedrock which is Generally Unproductive	NA	NA	2706.95	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
3	Turbine Delivery Route Option 3A	Limerick	50	TDR 25m intervals	524827.55	651756.82	NA	NA	Yes	FOYNES_010	FOYNES_010	Shanagolden[Stream]_SC_01	Moderate (M)	5 to 10m	(Pu) Poor Aquifer - Bedrock which is Generally Unproductive	NA	NA	2691.43	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
4	Turbine Delivery Route Option 3A	Limerick		TDR_WCC_101	524843.17	651749.33	WCC	NA	Yes	FOYNES_010	FOYNES_010	Shanagolden[Stream]_SC_01	Moderate (M)	5 to 10m	(Pu) Poor Aquifer - Bedrock which is Generally Unproductive	NA	NA	2691.43	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
5	Turbine Delivery Route Option 3A	Limerick	75	TDR 25m intervals	524850.30	651746.46	NA	NA	Yes	FOYNES_010	FOYNES_010	Shanagolden[Stream]_SC_01	Moderate (M)	5 to 10m	(Pu) Poor Aquifer - Bedrock which is Generally Unproductive	NA	NA	2675.26	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
6	Turbine Delivery Route Option 3A	Limerick	100	TDR 25m intervals	524873.24	651736.56	NA	NA	Yes	FOYNES_010	FOYNES_010	Shanagolden[Stream]_SC_01	Moderate (M)	5 to 10m	(Pu) Poor Aquifer - Bedrock which is Generally Unproductive	NA	NA	2658.85	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
7	Turbine Delivery Route Option 3A	Limerick	125	TDR 25m intervals	524896.65	651727.80	NA	NA	Yes	FOYNES_010	FOYNES_010	Shanagolden[Stream]_SC_01	Moderate (M)	5 to 10m	(Pu) Poor Aquifer - Bedrock which is Generally Unproductive	NA	NA	2641.65	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
8	Turbine Delivery Route Option 3A	Limerick	150	TDR 25m intervals	524920.15	651719.28	NA	NA	No	NA	FOYNES_010	Shanagolden[Stream]_SC_01	Moderate (M)	5 to 10m	(Pu) Poor Aquifer - Bedrock which is Generally Unproductive	NA	NA	2624.40	No	No	No	No	No		NA
9	Turbine Delivery Route Option 3A	Limerick	175	TDR 25m intervals	524943.96	651711.65	NA	NA	No	NA	FOYNES_010	Shanagolden[Stream]_SC_01	Moderate (M)	5 to 10m	(Pu) Poor Aquifer - Bedrock which is Generally Unproductive	NA	NA	2606.59	No	No	No	No	No		NA
10	Turbine Delivery Route Option 3A	Limerick	200	TDR 25m intervals	524967.77	651704.02	NA	NA	No	NA	FOYNES_010	Shanagolden[Stream]_SC_01	Moderate (M)	5 to 10m	(Pu) Poor Aquifer - Bedrock which is Generally Unproductive	NA	NA	2588.90	No	No	No	No	No		NA
11	Turbine Delivery Route Option 3A	Limerick	225	TDR 25m intervals	524991.57	651696.39	NA	NA	No	NA	FOYNES_010	Shanagolden[Stream]_SC_01	Moderate (M)	5 to 10m	(Pu) Poor Aquifer - Bedrock which is Generally Unproductive	NA	NA	2571.33	No	No	No	No	No		NA
12	Turbine Delivery Route Option 3A	Limerick	250	TDR 25m intervals	525015.38	651688.75	NA	NA	No	NA	FOYNES_010	Shanagolden[Stream]_SC_01	Moderate (M)	5 to 10m	(Pu) Poor Aquifer - Bedrock which is Generally Unproductive	NA	NA	2553.88	No	No	No	No	No		NA
13	Turbine Delivery Route Option 3A	Limerick	275	TDR 25m intervals	525039.06	651680.75	NA	NA	No	NA	FOYNES_010	Shanagolden[Stream]_SC_01	Moderate (M)	5 to 10m	(Pu) Poor Aquifer - Bedrock which is Generally Unproductive	NA	NA	2536.86	No	No	No	No	No		NA
14	Turbine Delivery Route Option 3A	Limerick	300	TDR 25m intervals	525062.49	651672.04	NA	NA	No	NA	FOYNES_010	Shanagolden[Stream]_SC_01	Moderate (M)	5 to 10m	(Pu) Poor Aquifer - Bedrock which is Generally Unproductive	NA	NA	2520.52	No	No	No	No	No		NA
15	Turbine Delivery Route Option 3A	Limerick	325	TDR 25m intervals	525085.25	651661.76	NA	NA	No	NA	FOYNES_010	Shanagolden[Stream]_SC_01	Moderate (M)	5 to 10m	(Pu) Poor Aquifer - Bedrock which is Generally Unproductive	NA	NA	2505.68	No	No	No	No	No		NA
16	Turbine Delivery Route Option 3A	Limerick	350	TDR 25m intervals	525107.49	651650.39	NA	NA	No	NA	FOYNES_010	Shanagolden[Stream]_SC_01	Low (L)	>10m	(Pu) Poor Aquifer - Bedrock which is Generally Unproductive	NA	NA	2492.00	No	No	No	No	No		NA
17	Turbine Delivery Route Option 3A	Limerick	375	TDR 25m intervals	525127.95	651636.20	NA	NA	No	NA	FOYNES_010	Shanagolden[Stream]_SC_01	Low (L)	>10m	(Pu) Poor Aquifer - Bedrock which is Generally Unproductive	NA	NA	2481.46	No	No	No	No	No		NA
18	Turbine Delivery Route Option 3A	Limerick	400	TDR 25m intervals	525145.16	651618.07	NA	NA	Yes	FOYNES_010	FOYNES_010	Shanagolden[Stream]_SC_01	Low (L)	>10m	(Pu) Poor Aquifer - Bedrock which is Generally Unproductive	NA	NA	2475.95	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
19	Turbine Delivery Route Option 3A	Limerick	425	TDR 25m intervals	525159.50	651597.65	NA	NA	Yes	FOYNES_010	FOYNES_010	Shanagolden[Stream]_SC_01	Low (L)	>10m	(Pu) Poor Aquifer - Bedrock which is Generally Unproductive	NA	NA	2474.32	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
20	Turbine Delivery Route Option 3A	Limerick		TDR_WCC_102	525172.83	651577.47	WCC	NA	Yes	FOYNES_010	FOYNES_010	Shanagolden[Stream]_SC_01	Low (L)	>10m	(Pu) Poor Aquifer - Bedrock which is Generally Unproductive	NA	NA	2474.32	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
21	Turbine Delivery Route Option 3A	Limerick	450	TDR 25m intervals	525173.46	651576.91	NA	NA	Yes	FOYNES_010	FOYNES_010	Shanagolden[Stream]_SC_01	Low (L)	>10m	(Pu) Poor Aquifer - Bedrock which is Generally Unproductive	NA	NA	2473.43	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
22	Turbine Delivery Route Option 3A	Limerick	475	TDR 25m intervals	525188.22	651556.76	NA	NA	Yes	FOYNES_010	FOYNES_010	Shanagolden[Stream]_SC_01	Low (L)	>10m	(Pu) Poor Aquifer - Bedrock which is Generally Unproductive	NA	NA	2471.81	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
23	Turbine Delivery Route Option 3A	Limerick	500	TDR 25m intervals	525204.13	651537.48	NA	NA	Yes	FOYNES_010	FOYNES_010	Shanagolden[Stream]_SC_01	Low (L)	>10m	(Pu) Poor Aquifer - Bedrock which is Generally Unproductive	NA	NA	2468.99	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
24	Turbine Delivery Route Option 3A	Limerick	525	TDR 25m intervals	525220.15	651518.28	NA	NA	No	NA	FOYNES_010	Shanagolden[Stream]_SC_01	Moderate (M)	5 to 10m	(Pu) Poor Aquifer - Bedrock which is Generally Unproductive	NA	NA	2466.29	No	No	No	No	No		NA
25	Turbine Delivery Route Option 3A	Limerick	550	TDR 25m intervals	525236.34	651499.23	NA	NA	No	NA	FOYNES_010	Shanagolden[Stream]_SC_01	Moderate (M)	5 to 10m	(Pu) Poor Aquifer - Bedrock which is Generally Unproductive	NA	NA	2463.61	No	No	No	No	No		NA
26	Turbine Delivery Route Option 3A	Limerick	575	TDR 25m intervals	525252.20	651479.91	NA	NA	No	NA	FOYNES_010	Shanagolden[Stream]_SC_01	Moderate (M)	5 to 10m	(Pu) Poor Aquifer - Bedrock which is Generally Unproductive	NA	NA	2461.62	No	No	No	No	No		NA
27	Turbine Delivery Route Option 3A	Limerick	600	TDR 25m intervals	525267.93	651460.48	NA	NA	No	NA	FOYNES_010	Shanagolden[Stream]_SC_01	Moderate (M)	5 to 10m	(Pu) Poor Aquifer - Bedrock which is Generally Unproductive	NA	NA	2460.03	No	No	No	No	No		NA
28	Turbine Delivery Route Option 3A	Limerick	625	TDR 25m intervals	525283.67	651441.06	NA	NA	No	NA	FOYNES_010	Shanagolden[Stream]_SC_01	Moderate (M)	5 to 10m	(Pu) Poor Aquifer - Bedrock which is Generally Unproductive	NA	NA	2458.70	No	No	No	No	No		NA
29	Turbine Delivery Route Option 3A	Limerick	650	TDR 25m intervals	525299.40	651421.63	NA	NA	No	NA	FOYNES_010	Shanagolden[Stream]_SC_01	Moderate (M)	5 to 10m	(Pu) Poor Aquifer - Bedrock which is Generally Unproductive	NA	NA	2457.63	No	No	No	No	No		NA
30	Turbine Delivery Route Option 3A	Limerick	675	TDR 25m intervals	525315.14	651402.20	NA	NA	No	NA	FOYNES_010	Shanagolden[Stream]_SC_01	Moderate (M)	5 to 10m	(Pu) Poor Aquifer - Bedrock which is Generally Unproductive	NA	NA	2456.81	No	No	No	No	No		NA
31	Turbine Delivery Route Option 3A	Limerick	700	TDR 25m intervals	525330.85	651382.76	NA	NA	No	NA	FOYNES_010	Shanagolden[Stream]_SC_01	Moderate (M)	5 to 10m	(Pu) Poor Aquifer - Bedrock which is Generally Unproductive	NA	NA	2456.27	No	No	No	No	No		NA
32	Turbine Delivery Route Option 3A	Limerick	725	TDR 25m intervals	525346.53	651363.28	NA	NA	No	NA	FOYNES_010	Shanagolden[Stream]_SC_01	Moderate (M)	5 to 10m	(Pu) Poor Aquifer - Bedrock which is Generally Unproductive	NA	NA	2456.04	No	No	No	No	No		NA
33	Turbine Delivery Route Option 3A	Limerick	750	TDR 25m intervals	525362.55	651344.13	NA	NA	No	NA	FOYNES_010	Shanagolden[Stream]_SC_01	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2455.58	No	No	No	No	No		NA
34	Turbine Delivery Route Option 3A	Limerick	775	TDR 25m intervals	525380.91	651327.16	NA	NA	No	NA	FOYNES_010	Shanagolden[Stream]_SC_01	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2452.19	No	No	No	No	No		NA
35	Turbine Delivery Route Option 3A	Limerick	800	TDR 25m intervals	525400.19	651311.41	NA	NA	Yes	FOYNES_010	FOYNES_010	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2447.55	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
36	Turbine Delivery Route Option 3A	Limerick	825	TDR 25m intervals	525421.53	651298.39	NA	NA	Yes	FOYNES_010	FOYNES_010	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2439.82	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
37	Turbine Delivery Route Option 3A	Limerick	850	TDR 25m intervals	525442.87	651285.37	NA	NA	Yes	FOYNES_010	FOYNES_010	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2432.32	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
38	Turbine Delivery Route Option 3A	Limerick		TDR_WCC_103	525447.02	651283.74	WCC	NA	Yes	FOYNES_010	FOYNES_010	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2432.32	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
39	Turbine Delivery Route Option 3A	Limerick	875	TDR 25m intervals	525464.71	651273.26	NA	NA	Yes	FOYNES_010	FOYNES_010	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2424.07	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
40	Turbine Delivery Route Option 3A	Limerick	900	TDR 25m intervals	525487.21	651262.36	NA	NA	Yes	FOYNES_010	FOYNES_010	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2414.75	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
41	Turbine Delivery Route Option 3A	Limerick	925	TDR 25m intervals	525509.71	651251.46	NA	NA	Yes	FOYNES_010	FOYNES_010	Shanagolden[Stream]_SC_01	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2405.66	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
42	Turbine Delivery Route Option 3A	Limerick	950	TDR 25m intervals	525532.20	651240.56	NA	NA	No	NA	FOYNES_010	Shanagolden[Stream]_SC_01	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2396.78	No	No	No	No	No		NA
43	Turbine Delivery Route Option 3A	Limerick	975	TDR 25m intervals	525554.81	651229.88	NA	NA	No	NA	FOYNES_010	Shanagolden[Stream]_SC_01	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2387.91	No	No	No	No	No		NA

Appendix 10.3 - Baseline Database -Turbine Delivery Route, Option 3A
Oatfield WF, Co. Clare

Project Ref. 604569
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Date: 17/11/2023
File Ref: 604569-Geo-R03-App10.3-(00)-Baseline Database -Turbine Delivery Route

	TDR		Assessment Location		Grid Coordinates (ITM)		Construction Details		Surface Water				Groundwater / Bedrock Aquifer						Groundwater / Wells / Abstraction		Designated Areas			Assessment Graphics / Comment	
Row No.	Turbine Delivery Route (TDR)	County	Location ID	Assessment Location Category	Easting	Northing	Type of Water Crossing / Construction Activity	Approximate Construction Depth (Excavation / Drilling) Depth Relative to Ground Level)	SW 50m Buffer	Receptor Category (Mapped river = EPA / WFD mapped)	River basins	Subcatchments	Aquifer Vulnerability	Potential Depth to Bedrock (acc. To GSI categories)	GW Aquifer Type	Excavation in or near Bedrock (In line with GSI mapped Aquifer Vulnerability)	Karst 25m buffer	Distance to Karst Feature	GW Abstraction 250m Buffer	Groundwater Source Protection Area NFGWS	SAC 50m Buffer	SPA 50m Buffer	Within SAC / SPA / NHA ?	Map Tile Number	Comments & MITIGATION MEASURES
					ITM	ITM		mbGL	50m										250m						
44	Turbine Delivery Route Option 3A	Limerick	1000	TDR 25m intervals	525577.71	651219.86	NA	NA	No	NA	FOYNES_010	Shanagolden[Stream]_SC_01	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2378.60	No	No	No	No	No		NA
45	Turbine Delivery Route Option 3A	Limerick	1025	TDR 25m intervals	525600.64	651209.91	NA	NA	No	NA	FOYNES_010	Shanagolden[Stream]_SC_01	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2369.43	No	No	No	No	No		NA
46	Turbine Delivery Route Option 3A	Limerick	1050	TDR 25m intervals	525623.92	651200.79	NA	NA	No	NA	FOYNES_010	Shanagolden[Stream]_SC_01	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2359.66	No	No	No	No	No		NA
47	Turbine Delivery Route Option 3A	Limerick	1075	TDR 25m intervals	525647.20	651191.67	NA	NA	No	NA	FOYNES_010	Shanagolden[Stream]_SC_01	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2350.12	No	No	No	No	No		NA
48	Turbine Delivery Route Option 3A	Limerick	1100	TDR 25m intervals	525670.47	651182.55	NA	NA	No	NA	FOYNES_010	Shanagolden[Stream]_SC_01	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2340.81	No	No	No	No	No		NA
49	Turbine Delivery Route Option 3A	Limerick	1125	TDR 25m intervals	525693.75	651173.43	NA	NA	No	NA	FOYNES_010	Shanagolden[Stream]_SC_01	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2331.73	No	No	No	No	No		NA
50	Turbine Delivery Route Option 3A	Limerick	1150	TDR 25m intervals	525713.61	651158.62	NA	NA	No	NA	FOYNES_010	Shanagolden[Stream]_SC_01	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2329.40	No	No	No	No	No		NA
51	Turbine Delivery Route Option 3A	Limerick	1175	TDR 25m intervals	525731.84	651141.65	NA	NA	No	NA	FOYNES_010	Shanagolden[Stream]_SC_01	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2330.02	No	No	No	No	No		NA
52	Turbine Delivery Route Option 3A	Limerick	1200	TDR 25m intervals	525746.80	651121.62	NA	NA	No	NA	FOYNES_010	Shanagolden[Stream]_SC_01	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2335.37	No	No	No	No	No		NA
53	Turbine Delivery Route Option 3A	Limerick	1225	TDR 25m intervals	525757.50	651099.14	NA	NA	No	NA	FOYNES_010	Shanagolden[Stream]_SC_01	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2345.60	No	No	No	No	No		NA
54	Turbine Delivery Route Option 3A	Limerick	1250	TDR 25m intervals	525767.30	651076.14	NA	NA	No	NA	FOYNES_010	Shanagolden[Stream]_SC_01	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2357.01	No	No	No	No	No		NA
55	Turbine Delivery Route Option 3A	Limerick	1275	TDR 25m intervals	525777.10	651053.14	NA	NA	No	NA	FOYNES_010	Shanagolden[Stream]_SC_01	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2368.62	No	No	No	No	No		NA
56	Turbine Delivery Route Option 3A	Limerick	1300	TDR 25m intervals	525786.91	651030.14	NA	NA	No	NA	FOYNES_010	Shanagolden[Stream]_SC_01	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2380.45	No	No	No	No	No		NA
57	Turbine Delivery Route Option 3A	Limerick	1325	TDR 25m intervals	525796.71	651007.14	NA	NA	No	NA	FOYNES_010	Shanagolden[Stream]_SC_01	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2392.47	No	No	No	No	No		NA
58	Turbine Delivery Route Option 3A	Limerick	1350	TDR 25m intervals	525807.55	650984.63	NA	NA	No	NA	FOYNES_010	Shanagolden[Stream]_SC_01	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2403.68	No	No	No	No	No		NA
59	Turbine Delivery Route Option 3A	Limerick	1375	TDR 25m intervals	525817.27	650961.66	NA	NA	No	NA	FOYNES_010	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2416.14	No	No	No	No	No		NA
60	Turbine Delivery Route Option 3A	Limerick	1400	TDR 25m intervals	525825.49	650938.05	NA	NA	No	NA	FOYNES_010	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2430.19	No	No	No	No	No		NA
61	Turbine Delivery Route Option 3A	Limerick	1425	TDR 25m intervals	525833.57	650914.39	NA	NA	No	NA	FOYNES_010	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2444.54	No	No	No	No	No		NA
62	Turbine Delivery Route Option 3A	Limerick	1450	TDR 25m intervals	525841.32	650890.63	NA	NA	Yes	FOYNES_010	FOYNES_010	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2459.34	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
63	Turbine Delivery Route Option 3A	Limerick	1475	TDR 25m intervals	525849.07	650866.86	NA	NA	Yes	FOYNES_010	FOYNES_010	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2474.30	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
64	Turbine Delivery Route Option 3A	Limerick	1500	TDR 25m intervals	525856.82	650843.09	NA	NA	Yes	FOYNES_010	FOYNES_010	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2489.42	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
65	Turbine Delivery Route Option 3A	Limerick		TDR_WCC_104	525859.49	650840.04	WCC	NA	Yes	FOYNES_010	FOYNES_010	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2489.42	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
66	Turbine Delivery Route Option 3A	Limerick	1525	TDR 25m intervals	525864.99	650819.46	NA	NA	Yes	FOYNES_010	FOYNES_010	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2504.35	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
67	Turbine Delivery Route Option 3A	Limerick	1550	TDR 25m intervals	525873.17	650795.84	NA	NA	Yes	FOYNES_010	FOYNES_010	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2519.44	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
68	Turbine Delivery Route Option 3A	Limerick	1575	TDR 25m intervals	525881.35	650772.21	NA	NA	Yes	FOYNES_010	FOYNES_010	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2534.68	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
69	Turbine Delivery Route Option 3A	Limerick	1600	TDR 25m intervals	525889.52	650748.59	NA	NA	Yes	FOYNES_010	FOYNES_010	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2550.07	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
70	Turbine Delivery Route Option 3A	Limerick	1625	TDR 25m intervals	525897.59	650724.93	NA	NA	Yes	FOYNES_010	FOYNES_010	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2565.72	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
71	Turbine Delivery Route Option 3A	Limerick	1650	TDR 25m intervals	525905.31	650701.15	NA	NA	Yes	FOYNES_010	FOYNES_010	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2581.78	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
72	Turbine Delivery Route Option 3A	Limerick	1675	TDR 25m intervals	525913.03	650677.37	NA	NA	Yes	FOYNES_010	FOYNES_010	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2597.98	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
73	Turbine Delivery Route Option 3A	Limerick	1700	TDR 25m intervals	525920.69	650653.57	NA	NA	Yes	FOYNES_010	FOYNES_010	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2614.38	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
74	Turbine Delivery Route Option 3A	Limerick	1725	TDR 25m intervals	525927.74	650629.59	NA	NA	Yes	FOYNES_010	FOYNES_010	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2631.38	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
75	Turbine Delivery Route Option 3A	Limerick	1750	TDR 25m intervals	525934.80	650605.61	NA	NA	Yes	FOYNES_010	FOYNES_010	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2648.50	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
76	Turbine Delivery Route Option 3A	Limerick	1775	TDR 25m intervals	525943.54	650582.19	NA	NA	Yes	FOYNES_010	FOYNES_010	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2664.42	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
77	Turbine Delivery Route Option 3A	Limerick	1800	TDR 25m intervals	525952.55	650558.88	NA	NA	Yes	FOYNES_010	FOYNES_010	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2680.25	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
78	Turbine Delivery Route Option 3A	Limerick	1825	TDR 25m intervals	525961.57	650535.56	NA	NA	Yes	FOYNES_010	FOYNES_010	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2696.23	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone

Appendix 10.3 - Baseline Database -Turbine Delivery Route, Option 3A
Oatfield WF, Co. Clare

Project Ref. 604569
Prepared by: Cca / DW
Date: 17/11/2023
File Ref: 604569-Geo-R03-App10.3-(00)-Baseline Database -Turbine Delivery Route

	TDR		Assessment Location		Grid Coordinates (ITM)		Construction Details		Surface Water				Groundwater / Bedrock Aquifer						Groundwater / Wells / Abstraction		Designated Areas			Assessment Graphics / Comment	
Row No.	Turbine Delivery Route (TDR)	County	Location ID	Assessment Location Category	Easting	Northing	Type of Water Crossing / Construction Activity	Approximate Construction Depth (Excavation / Drilling) Depth Relative to Ground Level)	SW 50m Buffer	Receptor Category (Mapped river = EPA / WFD mapped)	River basins	Subcatchments	Aquifer Vulnerability	Potential Depth to Bedrock (acc. To GSI categories)	GW Aquifer Type	Excavation in or near Bedrock (In line with GSI mapped Aquifer Vulnerability)	Karst 25m buffer	Distance to Karst Feature	GW Abstraction 250m Buffer	Groundwater Source Protection Area NFGWS	SAC 50m Buffer	SPA 50m Buffer	Within SAC / SPA / NHA ?	Map Tile Number	Comments & MITIGATION MEASURES
					ITM	ITM		mbGL	50m										250m						
79	Turbine Delivery Route Option 3A	Limerick	1850	TDR 25m intervals	525970.59	650512.24	NA	NA	Yes	FOYNES_010	FOYNES_010	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2712.34	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
80	Turbine Delivery Route Option 3A	Limerick	1875	TDR 25m intervals	525980.93	650489.48	NA	NA	Yes	FOYNES_010	FOYNES_010	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2727.46	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
81	Turbine Delivery Route Option 3A	Limerick	1900	TDR 25m intervals	525992.47	650467.34	NA	NA	Yes	FOYNES_010	FOYNES_010	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2741.63	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
82	Turbine Delivery Route Option 3A	Limerick	1925	TDR 25m intervals	526005.42	650445.97	NA	NA	Yes	FOYNES_010	FOYNES_010	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2754.63	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
83	Turbine Delivery Route Option 3A	Limerick	1950	TDR 25m intervals	526020.72	650426.29	NA	NA	Yes	FOYNES_010	FOYNES_010	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2765.22	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
84	Turbine Delivery Route Option 3A	Limerick	1975	TDR 25m intervals	526036.92	650407.27	NA	NA	Yes	FOYNES_010	FOYNES_010	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2774.99	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
85	Turbine Delivery Route Option 3A	Limerick	2000	TDR 25m intervals	526052.02	650387.35	NA	NA	Yes	FOYNES_010	FOYNES_010	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2786.25	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
86	Turbine Delivery Route Option 3A	Limerick	2025	TDR 25m intervals	526062.71	650364.79	NA	NA	Yes	FOYNES_010	FOYNES_010	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2801.97	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
87	Turbine Delivery Route Option 3A	Limerick	2050	TDR 25m intervals	526071.25	650341.33	NA	NA	Yes	FOYNES_010	FOYNES_010	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2819.54	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
88	Turbine Delivery Route Option 3A	Limerick	2075	TDR 25m intervals	526078.97	650317.55	NA	NA	Yes	FOYNES_010	FOYNES_010	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2837.86	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
89	Turbine Delivery Route Option 3A	Limerick	2100	TDR 25m intervals	526081.78	650292.73	NA	NA	Yes	FOYNES_010	FOYNES_010	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2859.26	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
90	Turbine Delivery Route Option 3A	Limerick	2125	TDR 25m intervals	526082.81	650267.79	NA	NA	No	NA	FOYNES_010	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2881.55	No	No	No	No	No		NA
91	Turbine Delivery Route Option 3A	Limerick	2150	TDR 25m intervals	526082.65	650242.79	NA	NA	No	NA	FOYNES_010	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2904.43	No	No	No	No	No		NA
92	Turbine Delivery Route Option 3A	Limerick	2175	TDR 25m intervals	526081.50	650217.82	NA	NA	No	NA	FOYNES_010	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2927.72	No	No	No	No	No		NA
93	Turbine Delivery Route Option 3A	Limerick	2200	TDR 25m intervals	526080.21	650192.85	NA	NA	No	NA	FOYNES_010	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2951.09	No	No	No	No	No		NA
94	Turbine Delivery Route Option 3A	Limerick	2225	TDR 25m intervals	526080.36	650167.87	NA	NA	No	NA	FOYNES_010	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2973.93	No	No	No	No	No		NA
95	Turbine Delivery Route Option 3A	Limerick	2250	TDR 25m intervals	526083.64	650143.15	NA	NA	No	NA	FOYNES_010	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2995.32	No	No	No	No	No		NA
96	Turbine Delivery Route Option 3A	Limerick	2275	TDR 25m intervals	526089.99	650119.00	NA	NA	No	NA	SHANAGOLDEN STREAM_01	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	3015.04	No	No	No	No	No		NA
97	Turbine Delivery Route Option 3A	Limerick	2300	TDR 25m intervals	526097.08	650095.03	NA	NA	No	NA	SHANAGOLDEN STREAM_01	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	3034.39	No	No	No	No	No		NA
98	Turbine Delivery Route Option 3A	Limerick	2325	TDR 25m intervals	526104.05	650071.02	NA	NA	No	NA	SHANAGOLDEN STREAM_01	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	3053.90	No	No	No	No	No		NA
99	Turbine Delivery Route Option 3A	Limerick	2350	TDR 25m intervals	526110.99	650047.00	NA	NA	No	NA	SHANAGOLDEN STREAM_01	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	3073.51	No	No	No	No	No		NA
100	Turbine Delivery Route Option 3A	Limerick	2375	TDR 25m intervals	526117.92	650022.98	NA	NA	No	NA	SHANAGOLDEN STREAM_01	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	3093.21	No	No	No	No	No		NA
101	Turbine Delivery Route Option 3A	Limerick	2400	TDR 25m intervals	526125.30	649999.10	NA	NA	No	NA	SHANAGOLDEN STREAM_01	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	3112.69	No	No	No	No	No		NA
102	Turbine Delivery Route Option 3A	Limerick	2425	TDR 25m intervals	526133.22	649975.41	NA	NA	No	NA	SHANAGOLDEN STREAM_01	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	3131.86	No	No	No	No	No		NA
103	Turbine Delivery Route Option 3A	Limerick	2450	TDR 25m intervals	526143.83	649952.77	NA	NA	No	NA	SHANAGOLDEN STREAM_01	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	3149.18	No	No	No	No	No		NA
104	Turbine Delivery Route Option 3A	Limerick	2475	TDR 25m intervals	526154.44	649930.14	NA	NA	No	NA	SHANAGOLDEN STREAM_01	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	3166.60	No	No	No	No	No		NA
105	Turbine Delivery Route Option 3A	Limerick	2500	TDR 25m intervals	526165.01	649907.48	NA	NA	No	NA	SHANAGOLDEN STREAM_01	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	3184.15	No	No	No	No	No		NA
106	Turbine Delivery Route Option 3A	Limerick	2525	TDR 25m intervals	526179.41	649887.15	NA	NA	Yes	SHANAGOLDEN STREAM	SHANAGOLDEN STREAM_01	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	3198.32	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
107	Turbine Delivery Route Option 3A	Limerick	2550	TDR 25m intervals	526194.61	649867.30	NA	NA	Yes	SHANAGOLDEN STREAM	SHANAGOLDEN STREAM_01	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	3211.89	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
108	Turbine Delivery Route Option 3A	Limerick	2575	TDR 25m intervals	526213.79	649851.34	NA	NA	Yes	SHANAGOLDEN STREAM	SHANAGOLDEN STREAM_01	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	3220.62	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
109	Turbine Delivery Route Option 3A	Limerick	2600	TDR 25m intervals	526234.99	649838.41	NA	NA	Yes	SHANAGOLDEN STREAM	SHANAGOLDEN STREAM_01	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	3226.01	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
110	Turbine Delivery Route Option 3A	Limerick	2625	TDR 25m intervals	526258.32	649829.62	NA	NA	Yes	SHANAGOLDEN STREAM	SHANAGOLDEN STREAM_01	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	3226.97	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
111	Turbine Delivery Route Option 3A	Limerick	2650	TDR 25m intervals	526283.00	649826.45	NA	NA	Yes	SHANAGOLDEN STREAM	SHANAGOLDEN STREAM_01	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	3222.37	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
112	Turbine Delivery Route Option 3A	Limerick	2675	TDR 25m intervals	526307.86	649827.02	NA	NA	Yes	SHANAGOLDEN STREAM	SHANAGOLDEN STREAM_01	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	3214.32	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
113	Turbine Delivery Route Option 3A	Limerick	2700	TDR 25m intervals	526332.49	649831.23	NA	NA	Yes	SHANAGOLDEN STREAM	SHANAGOLDEN STREAM_01	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	3203.04	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone

Appendix 10.3 - Baseline Database -Turbine Delivery Route, Option 3A
Oatfield WF, Co. Clare

Project Ref. 604569
Prepared by: Cca / DW
Date: 17/11/2023
File Ref: 604569-Geo-R03-App10.3-(00)-Baseline Database -Turbine Delivery Route

	TDR		Assessment Location		Grid Coordinates (ITM)		Construction Details		Surface Water				Groundwater / Bedrock Aquifer						Groundwater / Wells / Abstraction		Designated Areas			Assessment Graphics / Comment	
Row No.	Turbine Delivery Route (TDR)	County	Location ID	Assessment Location Category	Easting	Northing	Type of Water Crossing / Construction Activity	Approximate Construction Depth (Excavation / Drilling) Depth Relative to Ground Level)	SW 50m Buffer	Receptor Category (Mapped river = EPA / WFD mapped)	River basins	Subcatchments	Aquifer Vulnerability	Potential Depth to Bedrock (acc. To GSI categories)	GW Aquifer Type	Excavation in or near Bedrock (In line with GSI mapped Aquifer Vulnerability)	Karst 25m buffer	Distance to Karst Feature	GW Abstraction 250m Buffer	Groundwater Source Protection Area NFGWS	SAC 50m Buffer	SPA 50m Buffer	Within SAC / SPA / NHA ?	Map Tile Number	Comments & MITIGATION MEASURES
					ITM	ITM		mbGL	50m										250m						
114	Turbine Delivery Route Option 3A	Limerick		TDR_WCC_105	526350.06	649833.88	WCC	NA	Yes	SHANAGOLDEN STREAM	SHANAGOLDEN STREAM_01	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	3203.04	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
115	Turbine Delivery Route Option 3A	Limerick	2725	TDR 25m intervals	526356.95	649836.39	NA	NA	Yes	SHANAGOLDEN STREAM	SHANAGOLDEN STREAM_01	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	3191.04	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
116	Turbine Delivery Route Option 3A	Limerick	2750	TDR 25m intervals	526381.66	649839.80	NA	NA	Yes	SHANAGOLDEN STREAM	SHANAGOLDEN STREAM_01	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	3180.81	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
117	Turbine Delivery Route Option 3A	Limerick	2775	TDR 25m intervals	526406.61	649838.14	NA	NA	Yes	SHANAGOLDEN STREAM	SHANAGOLDEN STREAM_01	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	3175.56	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
118	Turbine Delivery Route Option 3A	Limerick	2800	TDR 25m intervals	526431.19	649834.31	NA	NA	Yes	SHANAGOLDEN STREAM	SHANAGOLDEN STREAM_01	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	3172.68	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
119	Turbine Delivery Route Option 3A	Limerick	2825	TDR 25m intervals	526455.31	649827.74	NA	NA	Yes	SHANAGOLDEN STREAM	SHANAGOLDEN STREAM_01	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	3172.78	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
120	Turbine Delivery Route Option 3A	Limerick	2850	TDR 25m intervals	526479.43	649821.17	NA	NA	No	NA	SHANAGOLDEN STREAM_01	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	3173.06	No	No	No	No	No		NA
121	Turbine Delivery Route Option 3A	Limerick	2875	TDR 25m intervals	526503.55	649814.59	NA	NA	No	NA	SHANAGOLDEN STREAM_01	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	3173.55	No	No	No	No	No		NA
122	Turbine Delivery Route Option 3A	Limerick	2900	TDR 25m intervals	526527.17	649806.42	NA	NA	No	NA	SHANAGOLDEN STREAM_01	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	3175.90	No	No	No	No	No		NA
123	Turbine Delivery Route Option 3A	Limerick	2925	TDR 25m intervals	526550.73	649798.06	NA	NA	No	NA	SHANAGOLDEN STREAM_01	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	3178.65	No	No	No	No	No		NA
124	Turbine Delivery Route Option 3A	Limerick	2950	TDR 25m intervals	526574.29	649789.70	NA	NA	No	NA	SHANAGOLDEN STREAM_01	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	3181.58	No	No	No	No	No		NA
125	Turbine Delivery Route Option 3A	Limerick	2975	TDR 25m intervals	526597.85	649781.35	NA	NA	No	NA	SHANAGOLDEN STREAM_01	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	3184.71	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
126	Turbine Delivery Route Option 3A	Limerick	3000	TDR 25m intervals	526621.22	649772.47	NA	NA	No	NA	SHANAGOLDEN STREAM_01	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	3188.58	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
127	Turbine Delivery Route Option 3A	Limerick	3025	TDR 25m intervals	526644.48	649763.30	NA	NA	No	NA	SHANAGOLDEN STREAM_01	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	3192.95	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
128	Turbine Delivery Route Option 3A	Limerick	3050	TDR 25m intervals	526667.68	649754.01	NA	NA	No	NA	SHANAGOLDEN STREAM_01	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	3197.64	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
129	Turbine Delivery Route Option 3A	Limerick	3075	TDR 25m intervals	526689.54	649741.89	NA	NA	No	NA	SHANAGOLDEN STREAM_01	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	3205.54	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
130	Turbine Delivery Route Option 3A	Limerick	3100	TDR 25m intervals	526711.41	649729.77	NA	NA	No	NA	SHANAGOLDEN STREAM_01	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	3213.62	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
131	Turbine Delivery Route Option 3A	Limerick	3125	TDR 25m intervals	526733.83	649718.70	NA	NA	No	NA	SHANAGOLDEN STREAM_01	Shanagolden[Stream]_SC_01	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	3220.74	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
132	Turbine Delivery Route Option 3A	Limerick	3150	TDR 25m intervals	526756.38	649707.94	NA	NA	Yes	SHANAGOLDEN STREAM	SHANAGOLDEN STREAM_01	Shanagolden[Stream]_SC_01	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	3227.71	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone
133	Turbine Delivery Route Option 3A	Limerick	3175	TDR 25m intervals	526779.94	649699.62	NA	NA	Yes	SHANAGOLDEN STREAM	SHANAGOLDEN STREAM_01	Shanagolden[Stream]_SC_01	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	3223.74	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone
134	Turbine Delivery Route Option 3A	Limerick		TDR_WCC_106	526784.40	649699.52	WCC	NA	Yes	SHANAGOLDEN STREAM	SHANAGOLDEN STREAM_01	Shanagolden[Stream]_SC_01	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	3223.74	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone
135	Turbine Delivery Route Option 3A	Limerick	3200	TDR 25m intervals	526804.85	649697.48	NA	NA	Yes	SHANAGOLDEN STREAM	SHANAGOLDEN STREAM_01	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	3199.54	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone
136	Turbine Delivery Route Option 3A	Limerick	3225	TDR 25m intervals	526829.84	649697.54	NA	NA	Yes	SHANAGOLDEN STREAM	SHANAGOLDEN STREAM_01	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	3176.01	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone
137	Turbine Delivery Route Option 3A	Limerick	3250	TDR 25m intervals	526854.84	649697.88	NA	NA	Yes	SHANAGOLDEN STREAM	SHANAGOLDEN STREAM_01	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	3152.58	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone
138	Turbine Delivery Route Option 3A	Limerick		TDR_WCC_107	526878.14	649697.95	WCC	NA	Yes	SHANAGOLDEN STREAM	SHANAGOLDEN STREAM_01	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	3152.58	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone
139	Turbine Delivery Route Option 3A	Limerick	3275	TDR 25m intervals	526879.83	649698.51	NA	NA	Yes	SHANAGOLDEN STREAM	SHANAGOLDEN STREAM_01	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	3129.29	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone
140	Turbine Delivery Route Option 3A	Limerick	3300	TDR 25m intervals	526904.78	649700.05	NA	NA	Yes	SHANAGOLDEN STREAM	SHANAGOLDEN STREAM_01	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	3106.38	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone
141	Turbine Delivery Route Option 3A	Limerick	3325	TDR 25m intervals	526929.73	649701.59	NA	NA	No	NA	SHANAGOLDEN STREAM_01	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	3083.50	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
142	Turbine Delivery Route Option 3A	Limerick	3350	TDR 25m intervals	526954.68	649703.14	NA	NA	No	NA	SHANAGOLDEN STREAM_01	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	3060.65	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
143	Turbine Delivery Route Option 3A	Limerick	3375	TDR 25m intervals	526979.63	649704.68	NA	NA	No	NA	SHANAGOLDEN STREAM_01	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	3037.83	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
144	Turbine Delivery Route Option 3A	Limerick	3400	TDR 25m intervals	527004.59	649706.22	NA	NA	No	NA	SHANAGOLDEN STREAM_01	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	3015.05	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
145	Turbine Delivery Route Option 3A	Limerick	3425	TDR 25m intervals	527029.54	649707.77	NA	NA	No	NA	SHANAGOLDEN STREAM_01	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2992.30	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
146	Turbine Delivery Route Option 3A	Limerick	3450	TDR 25m intervals	527054.49	649709.31	NA	NA	No	NA	SHANAGOLDEN STREAM_01	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2969.59	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
147	Turbine Delivery Route Option 3A	Limerick	3475	TDR 25m intervals	527079.44	649710.85	NA	NA	No	NA	SHANAGOLDEN STREAM_01	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2946.92	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
148	Turbine Delivery Route Option 3A	Limerick	3500	TDR 25m intervals	527104.40	649712.40	NA	NA	No	NA	SHANAGOLDEN STREAM_01	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2924.29	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone

Appendix 10.3 - Baseline Database -Turbine Delivery Route, Option 3A
Oatfield WF, Co. Clare

Project Ref. 604569
Prepared by: Cca / DW
Date: 17/11/2023
File Ref: 604569-Geo-R03-App10.3-(00)-Baseline Database -Turbine Delivery Route

	TDR		Assessment Location		Grid Coordinates (ITM)		Construction Details		Surface Water				Groundwater / Bedrock Aquifer						Groundwater / Wells / Abstraction		Designated Areas			Assessment Graphics / Comment	
Row No.	Turbine Delivery Route (TDR)	County	Location ID	Assessment Location Category	Easting	Northing	Type of Water Crossing / Construction Activity	Approximate Construction Depth (Excavation / Drilling) Depth Relative to Ground Level)	SW 50m Buffer	Receptor Category (Mapped river = EPA / WFD mapped)	River basins	Subcatchments	Aquifer Vulnerability	Potential Depth to Bedrock (acc. To GSI categories)	GW Aquifer Type	Excavation in or near Bedrock (In line with GSI mapped Aquifer Vulnerability)	Karst 25m buffer	Distance to Karst Feature	GW Abstraction 250m Buffer	Groundwater Source Protection Area NFGWS	SAC 50m Buffer	SPA 50m Buffer	Within SAC / SPA / NHA ?	Map Tile Number	Comments & MITIGATION MEASURES
					ITM	ITM		mbGL	50m										250m						
149	Turbine Delivery Route Option 3A	Limerick	3525	TDR 25m intervals	527129.35	649713.94	NA	NA	No	NA	SHANAGOLDEN STREAM_01	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2901.69	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
150	Turbine Delivery Route Option 3A	Limerick	3550	TDR 25m intervals	527154.30	649715.48	NA	NA	No	NA	SHANAGOLDEN STREAM_01	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2879.14	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
151	Turbine Delivery Route Option 3A	Limerick	3575	TDR 25m intervals	527179.25	649717.03	NA	NA	No	NA	SHANAGOLDEN STREAM_01	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2856.62	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
152	Turbine Delivery Route Option 3A	Limerick	3600	TDR 25m intervals	527204.21	649718.57	NA	NA	No	NA	SHANAGOLDEN STREAM_01	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2834.15	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
153	Turbine Delivery Route Option 3A	Limerick	3625	TDR 25m intervals	527229.16	649720.11	NA	NA	No	NA	SHANAGOLDEN STREAM_01	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2811.72	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
154	Turbine Delivery Route Option 3A	Limerick	3650	TDR 25m intervals	527254.11	649721.66	NA	NA	No	NA	SHANAGOLDEN STREAM_01	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2789.33	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
155	Turbine Delivery Route Option 3A	Limerick	3675	TDR 25m intervals	527279.06	649723.20	NA	NA	No	NA	SHANAGOLDEN STREAM_01	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2766.99	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
156	Turbine Delivery Route Option 3A	Limerick	3700	TDR 25m intervals	527304.03	649724.50	NA	NA	No	NA	SHANAGOLDEN STREAM_01	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2744.58	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
157	Turbine Delivery Route Option 3A	Limerick	3725	TDR 25m intervals	527329.00	649725.79	NA	NA	No	NA	SHANAGOLDEN STREAM_01	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2722.21	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
158	Turbine Delivery Route Option 3A	Limerick	3750	TDR 25m intervals	527353.96	649727.08	NA	NA	No	NA	SHANAGOLDEN STREAM_01	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2699.90	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
159	Turbine Delivery Route Option 3A	Limerick	3775	TDR 25m intervals	527378.93	649728.37	NA	NA	No	NA	SHANAGOLDEN STREAM_01	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2677.62	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
160	Turbine Delivery Route Option 3A	Limerick	3800	TDR 25m intervals	527403.90	649729.66	NA	NA	No	NA	SHANAGOLDEN STREAM_01	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2655.40	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
161	Turbine Delivery Route Option 3A	Limerick	3825	TDR 25m intervals	527428.86	649730.95	NA	NA	No	NA	SHANAGOLDEN STREAM_01	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2633.23	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
162	Turbine Delivery Route Option 3A	Limerick	3850	TDR 25m intervals	527453.84	649732.11	NA	NA	No	NA	SHANAGOLDEN STREAM_01	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2611.05	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
163	Turbine Delivery Route Option 3A	Limerick	3875	TDR 25m intervals	527478.81	649733.22	NA	NA	No	NA	DOONCAHA STREAM_010	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2588.89	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
164	Turbine Delivery Route Option 3A	Limerick	3900	TDR 25m intervals	527503.79	649734.33	NA	NA	No	NA	DOONCAHA STREAM_010	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2566.79	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
165	Turbine Delivery Route Option 3A	Limerick	3925	TDR 25m intervals	527528.76	649735.44	NA	NA	No	NA	DOONCAHA STREAM_010	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2544.74	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
166	Turbine Delivery Route Option 3A	Limerick	3950	TDR 25m intervals	527553.75	649736.12	NA	NA	No	NA	DOONCAHA STREAM_010	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2522.55	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
167	Turbine Delivery Route Option 3A	Limerick	3975	TDR 25m intervals	527578.74	649736.67	NA	NA	No	NA	DOONCAHA STREAM_010	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2500.35	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
168	Turbine Delivery Route Option 3A	Limerick	4000	TDR 25m intervals	527603.74	649737.22	NA	NA	No	NA	DOONCAHA STREAM_010	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2478.20	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
169	Turbine Delivery Route Option 3A	Limerick	4025	TDR 25m intervals	527628.73	649737.77	NA	NA	No	NA	DOONCAHA STREAM_010	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2456.10	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
170	Turbine Delivery Route Option 3A	Limerick	4050	TDR 25m intervals	527653.73	649738.32	NA	NA	No	NA	DOONCAHA STREAM_010	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2434.06	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
171	Turbine Delivery Route Option 3A	Limerick	4075	TDR 25m intervals	527678.72	649738.87	NA	NA	No	NA	DOONCAHA STREAM_010	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2412.08	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
172	Turbine Delivery Route Option 3A	Limerick	4100	TDR 25m intervals	527703.71	649739.41	NA	NA	No	NA	DOONCAHA STREAM_010	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2390.16	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
173	Turbine Delivery Route Option 3A	Limerick	4125	TDR 25m intervals	527728.71	649739.91	NA	NA	No	NA	DOONCAHA STREAM_010	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2368.27	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
174	Turbine Delivery Route Option 3A	Limerick	4150	TDR 25m intervals	527753.70	649740.41	NA	NA	No	NA	DOONCAHA STREAM_010	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2346.45	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
175	Turbine Delivery Route Option 3A	Limerick	4175	TDR 25m intervals	527778.70	649740.90	NA	NA	No	NA	DOONCAHA STREAM_010	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2324.69	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
176	Turbine Delivery Route Option 3A	Limerick	4200	TDR 25m intervals	527803.69	649741.48	NA	NA	No	NA	DOONCAHA STREAM_010	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	2303.04	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
177	Turbine Delivery Route Option 3A	Limerick	4225	TDR 25m intervals	527828.68	649742.21	NA	NA	No	NA	DOONCAHA STREAM_010	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	2281.53	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
178	Turbine Delivery Route Option 3A	Limerick	4250	TDR 25m intervals	527853.67	649742.93	NA	NA	No	NA	DOONCAHA STREAM_010	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	2260.09	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
179	Turbine Delivery Route Option 3A	Limerick	4275	TDR 25m intervals	527878.66	649743.65	NA	NA	No	NA	DOONCAHA STREAM_010	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	2238.72	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
180	Turbine Delivery Route Option 3A	Limerick	4300	TDR 25m intervals	527903.65	649744.37	NA	NA	No	NA	AHACRONANE_020	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	2217.43	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
181	Turbine Delivery Route Option 3A	Limerick	4325	TDR 25m intervals	527928.60	649745.86	NA	NA	No	NA	AHACRONANE_020	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	2196.64	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
182	Turbine Delivery Route Option 3A	Limerick	4350	TDR 25m intervals	527953.53	649747.79	NA	NA	No	NA	AHACRONANE_020	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	2176.19	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
183	Turbine Delivery Route Option 3A	Limerick	4375	TDR 25m intervals	527978.45	649749.72	NA	NA	No	NA	AHACRONANE_020	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	2155.84	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
184	Turbine Delivery Route Option 3A	Limerick	4400	TDR 25m intervals	528003.33	649752.12	NA	NA	No	NA	AHACRONANE_020	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	2135.87	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
185	Turbine Delivery Route Option 3A	Limerick	4425	TDR 25m intervals	528028.16	649755.06	NA	NA	No	NA	AHACRONANE_020	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	2116.33	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
186	Turbine Delivery Route Option 3A	Limerick	4450	TDR 25m intervals	528052.98	649757.99	NA	NA	No	NA	AHACRONANE_020	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	2096.91	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer

Appendix 10.3 - Baseline Database -Turbine Delivery Route, Option 3A
Oatfield WF, Co. Clare

Project Ref. 604569
Prepared by: Cca / DW
Date: 17/11/2023
File Ref: 604569-Geo-R03-App10.3-(00)-Baseline Database -Turbine Delivery Route

	TDR		Assessment Location		Grid Coordinates (ITM)		Construction Details		Surface Water				Groundwater / Bedrock Aquifer						Groundwater / Wells / Abstraction		Designated Areas			Assessment Graphics / Comment	
Row No.	Turbine Delivery Route (TDR)	County	Location ID	Assessment Location Category	Easting	Northing	Type of Water Crossing / Construction Activity	Approximate Construction Depth (Excavation / Drilling) Depth Relative to Ground Level)	SW 50m Buffer	Receptor Category (Mapped river = EPA / WFD mapped)	River basins	Subcatchments	Aquifer Vulnerability	Potential Depth to Bedrock (acc. To GSI categories)	GW Aquifer Type	Excavation in or near Bedrock (In line with GSI mapped Aquifer Vulnerability)	Karst 25m buffer	Distance to Karst Feature	GW Abstraction 250m Buffer	Groundwater Source Protection Area NFGWS	SAC 50m Buffer	SPA 50m Buffer	Within SAC / SPA / NHA ?	Map Tile Number	Comments & MITIGATION MEASURES
					ITM	ITM		mbGL	50m										250m						
187	Turbine Delivery Route Option 3A	Limerick	4475	TDR 25m intervals	528077.72	649761.62	NA	NA	No	NA	AHACRONANE_020	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	2078.06	Yes	No	Lower River Shannon SAC	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer Within Lower River Shannon SAC Buffer
188	Turbine Delivery Route Option 3A	Limerick	4500	TDR 25m intervals	528102.40	649765.55	NA	NA	No	NA	AHACRONANE_020	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	2059.56	Yes	No	Lower River Shannon SAC	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer Within Lower River Shannon SAC Buffer
189	Turbine Delivery Route Option 3A	Limerick	4525	TDR 25m intervals	528127.09	649769.49	NA	NA	No	NA	AHACRONANE_020	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	2041.19	Yes	No	Lower River Shannon SAC	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer Within Lower River Shannon SAC Buffer
190	Turbine Delivery Route Option 3A	Limerick	4550	TDR 25m intervals	528151.78	649773.42	NA	NA	No	NA	AHACRONANE_020	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	2022.96	Yes	No	Lower River Shannon SAC	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer Within Lower River Shannon SAC Buffer
191	Turbine Delivery Route Option 3A	Limerick	4575	TDR 25m intervals	528176.47	649777.36	NA	NA	No	NA	AHACRONANE_020	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	2004.88	Yes	No	Lower River Shannon SAC	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer Within Lower River Shannon SAC Buffer
192	Turbine Delivery Route Option 3A	Limerick	4600	TDR 25m intervals	528201.16	649781.29	NA	NA	No	NA	AHACRONANE_020	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1986.95	Yes	No	Lower River Shannon SAC	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer Within Lower River Shannon SAC Buffer
193	Turbine Delivery Route Option 3A	Limerick	4625	TDR 25m intervals	528225.85	649785.23	NA	NA	No	NA	AHACRONANE_020	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1969.17	Yes	No	Lower River Shannon SAC	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer Within Lower River Shannon SAC Buffer
194	Turbine Delivery Route Option 3A	Limerick	4650	TDR 25m intervals	528250.53	649789.16	NA	NA	No	NA	AHACRONANE_020	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1951.56	Yes	No	Lower River Shannon SAC	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer Within Lower River Shannon SAC Buffer
195	Turbine Delivery Route Option 3A	Limerick	4675	TDR 25m intervals	528275.22	649793.10	NA	NA	No	NA	AHACRONANE_020	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1934.10	Yes	No	Lower River Shannon SAC	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer Within Lower River Shannon SAC Buffer
196	Turbine Delivery Route Option 3A	Limerick	4700	TDR 25m intervals	528299.91	649797.03	NA	NA	No	NA	AHACRONANE_020	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1916.81	Yes	No	Lower River Shannon SAC	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer Within Lower River Shannon SAC Buffer
197	Turbine Delivery Route Option 3A	Limerick	4725	TDR 25m intervals	528324.42	649801.93	NA	NA	No	NA	AHACRONANE_020	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1900.44	Yes	No	Lower River Shannon SAC	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer Within Lower River Shannon SAC Buffer
198	Turbine Delivery Route Option 3A	Limerick	4750	TDR 25m intervals	528348.81	649807.39	NA	NA	Yes	AHACRONANE_020	AHACRONANE_020	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1884.68	Yes	No	Lower River Shannon SAC	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone Regionally Important Aquifer Within Lower River Shannon SAC Buffer
199	Turbine Delivery Route Option 3A	Limerick	4775	TDR 25m intervals	528373.21	649812.84	NA	NA	Yes	AHACRONANE_020	AHACRONANE_020	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1869.13	Yes	No	Lower River Shannon SAC	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone Regionally Important Aquifer Within Lower River Shannon SAC Buffer
200	Turbine Delivery Route Option 3A	Limerick		TDR_WCC_108	528378.00	649814.35	WCC	NA	Yes	AHACRONANE_020	AHACRONANE_020	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1869.13	Yes	No	Lower River Shannon SAC	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone Regionally Important Aquifer Within Lower River Shannon SAC Buffer
201	Turbine Delivery Route Option 3A	Limerick	4800	TDR 25m intervals	528397.61	649818.30	NA	NA	Yes	AHACRONANE_020	AHACRONANE_020	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1853.78	Yes	No	Lower River Shannon SAC	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone Regionally Important Aquifer Within Lower River Shannon SAC Buffer
202	Turbine Delivery Route Option 3A	Limerick	4825	TDR 25m intervals	528421.48	649825.66	NA	NA	Yes	AHACRONANE_020	AHACRONANE_020	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1840.28	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone Regionally Important Aquifer
203	Turbine Delivery Route Option 3A	Limerick	4850	TDR 25m intervals	528445.21	649833.53	NA	NA	No	NA	AHACRONANE_020	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1827.47	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
204	Turbine Delivery Route Option 3A	Limerick	4875	TDR 25m intervals	528468.86	649841.62	NA	NA	No	NA	AHACRONANE_020	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1815.11	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
205	Turbine Delivery Route Option 3A	Limerick	4900	TDR 25m intervals	528492.22	649850.51	NA	NA	No	NA	AHACRONANE_020	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1803.77	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
206	Turbine Delivery Route Option 3A	Limerick	4925	TDR 25m intervals	528515.59	649859.40	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1792.70	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
207	Turbine Delivery Route Option 3A	Limerick	4950	TDR 25m intervals	528538.02	649870.39	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1784.05	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
208	Turbine Delivery Route Option 3A	Limerick	4975	TDR 25m intervals	528559.92	649882.43	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1776.81	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
209	Turbine Delivery Route Option 3A	Limerick	5000	TDR 25m intervals	528581.56	649894.95	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1770.44	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
210	Turbine Delivery Route Option 3A	Limerick	5025	TDR 25m intervals	528602.06	649909.18	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1766.41	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
211	Turbine Delivery Route Option 3A	Limerick	5050	TDR 25m intervals	528621.95	649924.33	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1763.83	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
212	Turbine Delivery Route Option 3A	Limerick	5075	TDR 25m intervals	528640.28	649941.25	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1763.95	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
213	Turbine Delivery Route Option 3A	Limerick	5100	TDR 25m intervals	528657.82	649959.06	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1765.61	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
214	Turbine Delivery Route Option 3A	Limerick	5125	TDR 25m intervals	528674.33	649977.78	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1768.99	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
215	Turbine Delivery Route Option 3A	Limerick	5150	TDR 25m intervals	528689.77	649997.44	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1774.12	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
216	Turbine Delivery Route Option 3A	Limerick	5175	TDR 25m intervals	528704.79	650017.37	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1780.06	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
217	Turbine Delivery Route Option 3A	Limerick	5200	TDR 25m intervals	528713.65	650040.46	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1792.61	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
218	Turbine Delivery Route Option 3A	Limerick	5225	TDR 25m intervals	528716.95	650065.24	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1810.15	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
219	Turbine Delivery Route Option 3A	Limerick	5250	TDR 25m intervals	528720.14	650090.04	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1827.94	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
220	Turbine Delivery Route Option 3A	Limerick	5275	TDR 25m intervals	528722.39	650114.93	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1846.54	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
221	Turbine Delivery Route Option 3A	Limerick	5300	TDR 25m intervals	528724.64	650139.83	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1865.29	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
222	Turbine Delivery Route Option 3A	Limerick	5325	TDR 25m intervals	528726.89	650164.73	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1884.18	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
223	Turbine Delivery Route Option 3A	Limerick	5350	TDR 25m intervals	528729.19	650189.62	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1903.18	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer

	TDR		Assessment Location		Grid Coordinates (ITM)		Construction Details		Surface Water				Groundwater / Bedrock Aquifer						Groundwater / Wells / Abstraction		Designated Areas			Assessment Graphics / Comment	
Row No.	Turbine Delivery Route (TDR)	County	Location ID	Assessment Location Category	Easting	Northing	Type of Water Crossing / Construction Activity	Approximate Construction Depth (Excavation / Drilling) Depth Relative to Ground Level)	SW 50m Buffer	Receptor Category (Mapped river = EPA / WFD mapped)	River basins	Subcatchments	Aquifer Vulnerability	Potential Depth to Bedrock (acc. To GSI categories)	GW Aquifer Type	Excavation in or near Bedrock (In line with GSI mapped Aquifer Vulnerability)	Karst 25m buffer	Distance to Karst Feature	GW Abstraction 250m Buffer	Groundwater Source Protection Area NFGWS	SAC 50m Buffer	SPA 50m Buffer	Within SAC / SPA / NHA ?	Map Tile Number	Comments & MITIGATION MEASURES
					ITM	ITM		mbGL	50m										250m						
224	Turbine Delivery Route Option 3A	Limerick	5375	TDR 25m intervals	528732.16	650214.45	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1921.88	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
225	Turbine Delivery Route Option 3A	Limerick	5400	TDR 25m intervals	528735.13	650239.27	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1940.73	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
226	Turbine Delivery Route Option 3A	Limerick	5425	TDR 25m intervals	528741.19	650263.49	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1957.50	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
227	Turbine Delivery Route Option 3A	Limerick	5450	TDR 25m intervals	528750.83	650286.32	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1971.33	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
228	Turbine Delivery Route Option 3A	Limerick	5475	TDR 25m intervals	528763.47	650307.89	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1982.70	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
229	Turbine Delivery Route Option 3A	Limerick	5500	TDR 25m intervals	528776.73	650329.08	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1993.69	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
230	Turbine Delivery Route Option 3A	Limerick	5525	TDR 25m intervals	528789.99	650350.28	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	2004.92	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
231	Turbine Delivery Route Option 3A	Limerick	5550	TDR 25m intervals	528803.39	650371.38	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	2016.25	Yes	No	Barrigone SAC	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer Within Barrigone SAC Buffer
232	Turbine Delivery Route Option 3A	Limerick	5575	TDR 25m intervals	528817.33	650392.14	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	2027.26	Yes	No	Barrigone SAC	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer Within Barrigone SAC Buffer
233	Turbine Delivery Route Option 3A	Limerick	5600	TDR 25m intervals	528831.26	650412.89	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	2038.51	Yes	No	Barrigone SAC	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer Within Barrigone SAC Buffer
234	Turbine Delivery Route Option 3A	Limerick	5625	TDR 25m intervals	528845.20	650433.64	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	2050.01	Yes	No	Barrigone SAC	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer Within Barrigone SAC Buffer
235	Turbine Delivery Route Option 3A	Limerick	5650	TDR 25m intervals	528859.63	650454.04	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	2061.20	Yes	No	Barrigone SAC	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer Within Barrigone SAC Buffer
236	Turbine Delivery Route Option 3A	Limerick	5675	TDR 25m intervals	528875.18	650473.62	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	2071.39	Yes	No	Barrigone SAC	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer Within Barrigone SAC Buffer
237	Turbine Delivery Route Option 3A	Limerick	5700	TDR 25m intervals	528890.73	650493.19	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	2081.83	Yes	No	Barrigone SAC	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer Within Barrigone SAC Buffer
238	Turbine Delivery Route Option 3A	Limerick	5725	TDR 25m intervals	528906.45	650512.63	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	2092.31	Yes	No	Barrigone SAC	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer Within Barrigone SAC Buffer
239	Turbine Delivery Route Option 3A	Limerick	5750	TDR 25m intervals	528922.33	650531.94	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	2082.67	Yes	No	Barrigone SAC	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer Within Barrigone SAC Buffer
240	Turbine Delivery Route Option 3A	Limerick	5775	TDR 25m intervals	528938.20	650551.25	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	2073.77	Yes	No	Barrigone SAC	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer Within Barrigone SAC Buffer
241	Turbine Delivery Route Option 3A	Limerick	5800	TDR 25m intervals	528954.67	650570.04	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	2065.94	Yes	No	Barrigone SAC	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer Within Barrigone SAC Buffer
242	Turbine Delivery Route Option 3A	Limerick	5825	TDR 25m intervals	528972.03	650588.03	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	2042.41	Yes	No	Barrigone SAC	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer Within Barrigone SAC Buffer
243	Turbine Delivery Route Option 3A	Limerick	5850	TDR 25m intervals	528989.39	650606.02	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	2018.91	Yes	No	Barrigone SAC	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer Within Barrigone SAC Buffer
244	Turbine Delivery Route Option 3A	Limerick	5875	TDR 25m intervals	529007.52	650623.22	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1995.10	Yes	No	Barrigone SAC	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer Within Barrigone SAC Buffer
245	Turbine Delivery Route Option 3A	Limerick	5900	TDR 25m intervals	529025.84	650640.23	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1971.23	Yes	No	Barrigone SAC	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer Within Barrigone SAC Buffer
246	Turbine Delivery Route Option 3A	Limerick	5925	TDR 25m intervals	529044.16	650657.24	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1947.38	Yes	No	Barrigone SAC	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer Within Barrigone SAC Buffer
247	Turbine Delivery Route Option 3A	Limerick	5950	TDR 25m intervals	529063.10	650673.54	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1923.31	Yes	No	Barrigone SAC	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer Within Barrigone SAC Buffer
248	Turbine Delivery Route Option 3A	Limerick	5975	TDR 25m intervals	529082.56	650689.24	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1899.05	Yes	No	Barrigone SAC	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer Within Barrigone SAC Buffer
249	Turbine Delivery Route Option 3A	Limerick	6000	TDR 25m intervals	529102.74	650703.96	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1874.55	Yes	No	Barrigone SAC	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer Within Barrigone SAC Buffer
250	Turbine Delivery Route Option 3A	Limerick	6025	TDR 25m intervals	529123.42	650718.01	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1849.89	Yes	No	Barrigone SAC	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer Within Barrigone SAC Buffer
251	Turbine Delivery Route Option 3A	Limerick	6050	TDR 25m intervals	529144.87	650730.81	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1825.05	Yes	No	Barrigone SAC	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer Within Barrigone SAC Buffer
252	Turbine Delivery Route Option 3A	Limerick	6075	TDR 25m intervals	529166.80	650742.79	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1800.13	Yes	No	Barrigone SAC	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer Within Barrigone SAC Buffer
253	Turbine Delivery Route Option 3A	Limerick	6100	TDR 25m intervals	529189.48	650753.31	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1775.13	Yes	No	Barrigone SAC	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer Within Barrigone SAC Buffer
254	Turbine Delivery Route Option 3A	Limerick	6125	TDR 25m intervals	529212.23	650763.66	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1750.13	Yes	No	Barrigone SAC	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer Within Barrigone SAC Buffer
255	Turbine Delivery Route Option 3A	Limerick	6150	TDR 25m intervals	529235.07	650773.82	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1725.13	Yes	No	Barrigone SAC	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer Within Barrigone SAC Buffer
256	Turbine Delivery Route Option 3A	Limerick	6175	TDR 25m intervals	529257.91	650783.99	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1700.12	Yes	No	Barrigone SAC	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer Within Barrigone SAC Buffer
257	Turbine Delivery Route Option 3A	Limerick	6200	TDR 25m intervals	529280.75	650794.15	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1675.12	Yes	No	Barrigone SAC	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer Within Barrigone SAC Buffer

Appendix 10.3 - Baseline Database -Turbine Delivery Route, Option 3A
Oatfield WF, Co. Clare

Project Ref. 604569
Prepared by: Cca / DW
Date: 17/11/2023
File Ref: 604569-Geo-R03-App10.3-(00)-Baseline Database -Turbine Delivery Route

	TDR		Assessment Location		Grid Coordinates (ITM)		Construction Details		Surface Water				Groundwater / Bedrock Aquifer						Groundwater / Wells / Abstraction		Designated Areas			Assessment Graphics / Comment	
Row No.	Turbine Delivery Route (TDR)	County	Location ID	Assessment Location Category	Easting	Northing	Type of Water Crossing / Construction Activity	Approximate Construction Depth (Excavation / Drilling) Depth Relative to Ground Level)	SW 50m Buffer	Receptor Category (Mapped river = EPA / WFD mapped)	River basins	Subcatchments	Aquifer Vulnerability	Potential Depth to Bedrock (acc. To GSI categories)	GW Aquifer Type	Excavation in or near Bedrock (In line with GSI mapped Aquifer Vulnerability)	Karst 25m buffer	Distance to Karst Feature	GW Abstraction 250m Buffer	Groundwater Source Protection Area NFGWS	SAC 50m Buffer	SPA 50m Buffer	Within SAC / SPA / NHA ?	Map Tile Number	Comments & MITIGATION MEASURES
					ITM	ITM		mbGL	50m										250m						
258	Turbine Delivery Route Option 3A	Limerick	6225	TDR 25m intervals	529303.59	650804.33	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1650.12	Yes	No	Barrigone SAC	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer Within Barrigone SAC Buffer
259	Turbine Delivery Route Option 3A	Limerick	6250	TDR 25m intervals	529326.40	650814.55	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1625.12	Yes	No	Barrigone SAC	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer Within Barrigone SAC Buffer
260	Turbine Delivery Route Option 3A	Limerick	6275	TDR 25m intervals	529349.22	650824.78	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1600.11	Yes	No	Barrigone SAC	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer Within Barrigone SAC Buffer
261	Turbine Delivery Route Option 3A	Limerick	6300	TDR 25m intervals	529372.03	650835.00	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1575.11	Yes	No	Barrigone SAC	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer Within Barrigone SAC Buffer
262	Turbine Delivery Route Option 3A	Limerick	6325	TDR 25m intervals	529394.85	650845.22	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1550.11	Yes	No	Barrigone SAC	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer Within Barrigone SAC Buffer
263	Turbine Delivery Route Option 3A	Limerick	6350	TDR 25m intervals	529417.63	650855.52	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1525.11	Yes	No	Barrigone SAC	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer Within Barrigone SAC Buffer
264	Turbine Delivery Route Option 3A	Limerick	6375	TDR 25m intervals	529440.39	650865.85	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1500.10	Yes	No	Barrigone SAC	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer Within Barrigone SAC Buffer
265	Turbine Delivery Route Option 3A	Limerick	6400	TDR 25m intervals	529463.38	650875.62	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1475.13	Yes	No	Barrigone SAC	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer Within Barrigone SAC Buffer
266	Turbine Delivery Route Option 3A	Limerick	6425	TDR 25m intervals	529486.95	650883.96	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1450.22	Yes	No	Barrigone SAC	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer Within Barrigone SAC Buffer
267	Turbine Delivery Route Option 3A	Limerick	6450	TDR 25m intervals	529510.47	650892.43	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1425.31	Yes	No	Barrigone SAC	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer Within Barrigone SAC Buffer
268	Turbine Delivery Route Option 3A	Limerick	6475	TDR 25m intervals	529533.99	650900.92	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1400.40	Yes	No	Barrigone SAC	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer Within Barrigone SAC Buffer
269	Turbine Delivery Route Option 3A	Limerick	6500	TDR 25m intervals	529557.71	650908.77	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1375.56	Yes	No	Barrigone SAC	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer Within Barrigone SAC Buffer
270	Turbine Delivery Route Option 3A	Limerick	6525	TDR 25m intervals	529581.64	650916.01	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1350.81	Yes	No	Barrigone SAC	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer Within Barrigone SAC Buffer
271	Turbine Delivery Route Option 3A	Limerick	6550	TDR 25m intervals	529605.57	650923.26	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1326.07	Yes	No	Barrigone SAC	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer Within Barrigone SAC Buffer
272	Turbine Delivery Route Option 3A	Limerick	6575	TDR 25m intervals	529629.66	650929.93	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1301.43	Yes	No	Barrigone SAC	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer Within Barrigone SAC Buffer
273	Turbine Delivery Route Option 3A	Limerick	6600	TDR 25m intervals	529653.76	650936.58	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1276.81	Yes	No	Barrigone SAC	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer Within Barrigone SAC Buffer
274	Turbine Delivery Route Option 3A	Limerick	6625	TDR 25m intervals	529677.86	650943.22	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1252.21	Yes	No	Barrigone SAC	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer Within Barrigone SAC Buffer
275	Turbine Delivery Route Option 3A	Limerick	6650	TDR 25m intervals	529701.97	650949.84	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1227.63	Yes	No	Barrigone SAC	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer Within Barrigone SAC Buffer
276	Turbine Delivery Route Option 3A	Limerick	6675	TDR 25m intervals	529726.08	650956.46	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1203.07	Yes	No	Barrigone SAC	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer Within Barrigone SAC Buffer
277	Turbine Delivery Route Option 3A	Limerick	6700	TDR 25m intervals	529750.19	650963.07	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1178.52	Yes	No	Barrigone SAC	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer Within Barrigone SAC Buffer
278	Turbine Delivery Route Option 3A	Limerick	6725	TDR 25m intervals	529774.31	650969.65	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1154.00	Yes	No	Barrigone SAC	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer Within Barrigone SAC Buffer
279	Turbine Delivery Route Option 3A	Limerick	6750	TDR 25m intervals	529798.43	650976.22	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1129.51	Yes	No	Barrigone SAC	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer Within Barrigone SAC Buffer
280	Turbine Delivery Route Option 3A	Limerick	6775	TDR 25m intervals	529822.55	650982.79	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1105.04	No	No	Barrigone SAC	No	No		ELEVATED RISK Regionally Important Aquifer Within Barrigone SAC Buffer
281	Turbine Delivery Route Option 3A	Limerick	6800	TDR 25m intervals	529846.86	650988.62	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1080.76	No	No	Barrigone SAC	No	No		ELEVATED RISK Regionally Important Aquifer Within Barrigone SAC Buffer
282	Turbine Delivery Route Option 3A	Limerick	6825	TDR 25m intervals	529871.18	650994.41	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1056.53	No	No	Barrigone SAC	No	No		ELEVATED RISK Regionally Important Aquifer Within Barrigone SAC Buffer
283	Turbine Delivery Route Option 3A	Limerick	6850	TDR 25m intervals	529895.35	651000.80	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1032.19	No	No	Barrigone SAC	No	No		ELEVATED RISK Regionally Important Aquifer Within Barrigone SAC Buffer
284	Turbine Delivery Route Option 3A	Limerick	6875	TDR 25m intervals	529919.43	651007.49	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1007.81	No	No	Barrigone SAC	No	No		ELEVATED RISK Regionally Important Aquifer Within Barrigone SAC Buffer
285	Turbine Delivery Route Option 3A	Limerick	6900	TDR 25m intervals	529943.86	651012.72	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	983.87	No	No	Barrigone SAC	No	No		ELEVATED RISK Regionally Important Aquifer Within Barrigone SAC Buffer
286	Turbine Delivery Route Option 3A	Limerick	6925	TDR 25m intervals	529968.44	651017.26	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	960.18	No	No	Barrigone SAC	No	No		ELEVATED RISK Regionally Important Aquifer Within Barrigone SAC Buffer
287	Turbine Delivery Route Option 3A	Limerick	6950	TDR 25m intervals	529993.03	651021.79	NA	NA	Yes	GLENBANE WEST STREA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	936.56	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Regionally Important Aquifer
288	Turbine Delivery Route Option 3A	Limerick	6975	TDR 25m intervals	530017.61	651026.33	NA	NA	Yes	GLENBANE WEST STREA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	913.01	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Regionally Important Aquifer
289	Turbine Delivery Route Option 3A	Limerick	7000	TDR 25m intervals	530042.20	651030.87	NA	NA	Yes	GLENBANE WEST STREA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	889.54	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone Regionally Important Aquifer
290	Turbine Delivery Route Option 3A	Limerick	7025	TDR 25m intervals	530067.00	651033.90	NA	NA	Yes	GLENBANE WEST STREA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	866.76	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone Regionally Important Aquifer
291	Turbine Delivery Route Option 3A	Limerick	7050	TDR 25m intervals	530091.87	651036.48	NA	NA	Yes	GLENBANE WEST STREA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	844.29	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone Regionally Important Aquifer
292	Turbine Delivery Route Option 3A	Limerick	7075	TDR 25m intervals	530116.73	651039.06	NA	NA	Yes	GLENBANE WEST STREA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	821.97	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone Regionally Important Aquifer

Appendix 10.3 - Baseline Database -Turbine Delivery Route, Option 3A
Oatfield WF, Co. Clare

Project Ref. 604569
Prepared by: Cca / DW
Date: 17/11/2023
File Ref: 604569-Geo-R03-App10.3-(00)-Baseline Database -Turbine Delivery Route

	TDR		Assessment Location		Grid Coordinates (ITM)		Construction Details		Surface Water				Groundwater / Bedrock Aquifer						Groundwater / Wells / Abstraction		Designated Areas			Assessment Graphics / Comment	
Row No.	Turbine Delivery Route (TDR)	County	Location ID	Assessment Location Category	Easting	Northing	Type of Water Crossing / Construction Activity	Approximate Construction Depth (Excavation / Drilling) Depth Relative to Ground Level)	SW 50m Buffer	Receptor Category (Mapped river = EPA / WFD mapped)	River basins	Subcatchments	Aquifer Vulnerability	Potential Depth to Bedrock (acc. To GSI categories)	GW Aquifer Type	Excavation in or near Bedrock (In line with GSI mapped Aquifer Vulnerability)	Karst 25m buffer	Distance to Karst Feature	GW Abstraction 250m Buffer	Groundwater Source Protection Area NFGWS	SAC 50m Buffer	SPA 50m Buffer	Within SAC / SPA / NHA ?	Map Tile Number	Comments & MITIGATION MEASURES
					ITM	ITM		mbGL	50m										250m						
293	Turbine Delivery Route Option 3A	Limerick	7100	TDR 25m intervals	530141.64	651041.23	NA	NA	Yes	GLENBANE WEST STREA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	800.00	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone Regionally Important Aquifer
294	Turbine Delivery Route Option 3A	Limerick	7125	TDR 25m intervals	530166.55	651043.33	NA	NA	Yes	GLENBANE WEST STREA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	778.26	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone Regionally Important Aquifer
295	Turbine Delivery Route Option 3A	Limerick		TDR_WCC_109	530185.65	651044.70	WCC	NA	Yes	GLENBANE WEST STREA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	778.26	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone Regionally Important Aquifer
296	Turbine Delivery Route Option 3A	Limerick	7150	TDR 25m intervals	530191.49	651044.63	NA	NA	Yes	GLENBANE WEST STREA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	757.15	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone Regionally Important Aquifer
297	Turbine Delivery Route Option 3A	Limerick	7175	TDR 25m intervals	530216.49	651044.34	NA	NA	Yes	GLENBANE WEST STREA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	737.20	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone Regionally Important Aquifer
298	Turbine Delivery Route Option 3A	Limerick	7200	TDR 25m intervals	530241.49	651044.05	NA	NA	Yes	GLENBANE WEST STREA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	717.57	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone Regionally Important Aquifer
299	Turbine Delivery Route Option 3A	Limerick	7225	TDR 25m intervals	530266.49	651043.76	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	698.28	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
300	Turbine Delivery Route Option 3A	Limerick	7250	TDR 25m intervals	530291.47	651043.04	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	679.65	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
301	Turbine Delivery Route Option 3A	Limerick	7275	TDR 25m intervals	530316.45	651041.92	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	661.72	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
302	Turbine Delivery Route Option 3A	Limerick	7300	TDR 25m intervals	530341.42	651040.80	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	644.26	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
303	Turbine Delivery Route Option 3A	Limerick	7325	TDR 25m intervals	530366.40	651039.68	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	627.31	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
304	Turbine Delivery Route Option 3A	Limerick	7350	TDR 25m intervals	530391.37	651038.56	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	610.92	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
305	Turbine Delivery Route Option 3A	Limerick	7375	TDR 25m intervals	530416.35	651037.45	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	595.12	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
306	Turbine Delivery Route Option 3A	Limerick	7400	TDR 25m intervals	530441.32	651036.33	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	579.98	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
307	Turbine Delivery Route Option 3A	Limerick	7425	TDR 25m intervals	530466.27	651034.80	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	565.87	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
308	Turbine Delivery Route Option 3A	Limerick	7450	TDR 25m intervals	530491.22	651033.22	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	552.58	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
309	Turbine Delivery Route Option 3A	Limerick	7475	TDR 25m intervals	530516.17	651031.64	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	540.12	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
310	Turbine Delivery Route Option 3A	Limerick	7500	TDR 25m intervals	530541.12	651030.05	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	528.56	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
311	Turbine Delivery Route Option 3A	Limerick	7525	TDR 25m intervals	530566.07	651028.47	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	517.94	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
312	Turbine Delivery Route Option 3A	Limerick	7550	TDR 25m intervals	530591.02	651026.89	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	508.33	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
313	Turbine Delivery Route Option 3A	Limerick	7575	TDR 25m intervals	530615.99	651025.63	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	499.49	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
314	Turbine Delivery Route Option 3A	Limerick	7600	TDR 25m intervals	530640.97	651024.54	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	491.58	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
315	Turbine Delivery Route Option 3A	Limerick	7625	TDR 25m intervals	530665.94	651023.46	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	484.84	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
316	Turbine Delivery Route Option 3A	Limerick	7650	TDR 25m intervals	530690.92	651022.38	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	479.31	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
317	Turbine Delivery Route Option 3A	Limerick	7675	TDR 25m intervals	530715.90	651021.30	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	475.03	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
318	Turbine Delivery Route Option 3A	Limerick	7700	TDR 25m intervals	530740.87	651020.22	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	472.04	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
319	Turbine Delivery Route Option 3A	Limerick	7725	TDR 25m intervals	530765.85	651019.20	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	470.30	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
320	Turbine Delivery Route Option 3A	Limerick	7750	TDR 25m intervals	530790.85	651018.78	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	469.28	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
321	Turbine Delivery Route Option 3A	Limerick	7775	TDR 25m intervals	530815.85	651018.37	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	469.59	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
322	Turbine Delivery Route Option 3A	Limerick	7800	TDR 25m intervals	530840.84	651017.95	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	471.23	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
323	Turbine Delivery Route Option 3A	Limerick	7825	TDR 25m intervals	530865.84	651017.54	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	474.19	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
324	Turbine Delivery Route Option 3A	Limerick	7850	TDR 25m intervals	530890.83	651017.12	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	462.16	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
325	Turbine Delivery Route Option 3A	Limerick	7875	TDR 25m intervals	530915.83	651017.00	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	438.03	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
326	Turbine Delivery Route Option 3A	Limerick	7900	TDR 25m intervals	530940.80	651018.16	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	414.40	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
327	Turbine Delivery Route Option 3A	Limerick	7925	TDR 25m intervals	530965.77	651019.32	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	390.94	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
328	Turbine Delivery Route Option 3A	Limerick	7950	TDR 25m intervals	530990.75	651020.48	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	367.68	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
329	Turbine Delivery Route Option 3A	Limerick	7975	TDR 25m intervals	531015.72	651021.63	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	344.67	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
330	Turbine Delivery Route Option 3A	Limerick	8000	TDR 25m intervals	531040.63	651023.69	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	322.36	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
331	Turbine Delivery Route Option 3A	Limerick	8025	TDR 25m intervals	531065.52	651026.02	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	300.61	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
332	Turbine Delivery Route Option 3A	Limerick	8050	TDR 25m intervals	531090.42	651028.16	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	279.31	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
333	Turbine Delivery Route Option 3A	Limerick	8075	TDR 25m intervals	531115.41	651028.99	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	257.93	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
334	Turbine Delivery Route Option 3A	Limerick	8100	TDR 25m intervals	531140.40	651029.82	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	237.26	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
335	Turbine Delivery Route Option 3A	Limerick	8125	TDR 25m intervals	531165.38	651030.66	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	217.49	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
336	Turbine Delivery Route Option 3A	Limerick	8150	TDR 25m intervals	531190.37	651031.49	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	198.92	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
337	Turbine Delivery Route Option 3A	Limerick	8175	TDR 25m intervals	531215.35	651032.32	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	181.88	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
338	Turbine Delivery Route Option 3A	Limerick	8200	TDR 25m intervals	531240.33	651031.70	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	165.69	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
339	Turbine Delivery Route Option 3A	Limerick	8225	TDR 25m intervals	531265.31	651030.63	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	151.51	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
340	Turbine Delivery Route Option 3A	Limerick	8250	TDR 25m intervals	531290.29	651029.57	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	140.39	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
341	Turbine Delivery Route Option 3A	Limerick	8275	TDR 25m intervals	531315.27	651028.50	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	133.09	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
342	Turbine Delivery Route Option 3A	Limerick	8300	TDR 25m intervals	531340.19	651026.84	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	129.66	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
343	Turbine Delivery Route Option 3A	Limerick	8325	TDR 25m intervals	531364.93	651023.28	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	129.10	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
344	Turbine Delivery Route Option 3A	Limerick	8350	TDR 25m intervals	531389.68	651019.73	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	133.31	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
345	Turbine Delivery Route Option 3A	Limerick	8375	TDR 25m intervals	531414.43	651016.17	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	141.88	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
346	Turbine Delivery Route Option 3A	Limerick	8400	TDR 25m intervals	531439.17	651012.62	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	154.06	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer

Appendix 10.3 - Baseline Database -Turbine Delivery Route, Option 3A
Oatfield WF, Co. Clare

Project Ref. 604569
Prepared by: Cca / DW
Date: 17/11/2023
File Ref: 604569-Geo-R03-App10.3-(00)-Baseline Database -Turbine Delivery Route

	TDR		Assessment Location		Grid Coordinates (ITM)		Construction Details		Surface Water				Groundwater / Bedrock Aquifer						Groundwater / Wells / Abstraction		Designated Areas			Assessment Graphics / Comment	
Row No.	Turbine Delivery Route (TDR)	County	Location ID	Assessment Location Category	Easting	Northing	Type of Water Crossing / Construction Activity	Approximate Construction Depth (Excavation / Drilling) Depth Relative to Ground Level)	SW 50m Buffer	Receptor Category (Mapped river = EPA / WFD mapped)	River basins	Subcatchments	Aquifer Vulnerability	Potential Depth to Bedrock (acc. To GSI categories)	GW Aquifer Type	Excavation in or near Bedrock (In line with GSI mapped Aquifer Vulnerability)	Karst 25m buffer	Distance to Karst Feature	GW Abstraction 250m Buffer	Groundwater Source Protection Area NFGWS	SAC 50m Buffer	SPA 50m Buffer	Within SAC / SPA / NHA ?	Map Tile Number	Comments & MITIGATION MEASURES
					ITM	ITM		mbGL	50m										250m						
347	Turbine Delivery Route Option 3A	Limerick	8425	TDR 25m intervals	531463.92	651009.06	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	169.09	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
348	Turbine Delivery Route Option 3A	Limerick	8450	TDR 25m intervals	531488.66	651005.51	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	186.28	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
349	Turbine Delivery Route Option 3A	Limerick	8475	TDR 25m intervals	531513.41	651001.95	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	205.08	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
350	Turbine Delivery Route Option 3A	Limerick	8500	TDR 25m intervals	531537.56	650995.61	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	223.32	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
351	Turbine Delivery Route Option 3A	Limerick	8525	TDR 25m intervals	531561.62	650988.81	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	242.50	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
352	Turbine Delivery Route Option 3A	Limerick	8550	TDR 25m intervals	531585.68	650982.02	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	262.66	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
353	Turbine Delivery Route Option 3A	Limerick	8575	TDR 25m intervals	531609.74	650975.22	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	283.60	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
354	Turbine Delivery Route Option 3A	Limerick	8600	TDR 25m intervals	531633.79	650968.41	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	305.14	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
355	Turbine Delivery Route Option 3A	Limerick	8625	TDR 25m intervals	531657.85	650961.60	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	327.17	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
356	Turbine Delivery Route Option 3A	Limerick	8650	TDR 25m intervals	531681.90	650954.79	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	353.95	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
357	Turbine Delivery Route Option 3A	Limerick	8675	TDR 25m intervals	531705.96	650947.98	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	368.58	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
358	Turbine Delivery Route Option 3A	Limerick	8700	TDR 25m intervals	531730.01	650941.17	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	384.29	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
359	Turbine Delivery Route Option 3A	Limerick	8725	TDR 25m intervals	531754.07	650934.36	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	400.94	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
360	Turbine Delivery Route Option 3A	Limerick	8750	TDR 25m intervals	531778.12	650927.55	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	418.42	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
361	Turbine Delivery Route Option 3A	Limerick	8775	TDR 25m intervals	531802.20	650920.82	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	436.57	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
362	Turbine Delivery Route Option 3A	Limerick	8800	TDR 25m intervals	531826.33	650914.29	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	455.25	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
363	Turbine Delivery Route Option 3A	Limerick	8825	TDR 25m intervals	531850.46	650907.76	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	474.51	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
364	Turbine Delivery Route Option 3A	Limerick	8850	TDR 25m intervals	531874.59	650901.23	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	494.28	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
365	Turbine Delivery Route Option 3A	Limerick	8875	TDR 25m intervals	531898.73	650894.70	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	514.51	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
366	Turbine Delivery Route Option 3A	Limerick	8900	TDR 25m intervals	531922.86	650888.17	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	535.14	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
367	Turbine Delivery Route Option 3A	Limerick	8925	TDR 25m intervals	531946.99	650881.63	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	556.13	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
368	Turbine Delivery Route Option 3A	Limerick	8950	TDR 25m intervals	531971.12	650875.10	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	577.44	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
369	Turbine Delivery Route Option 3A	Limerick	8975	TDR 25m intervals	531995.25	650868.57	NA	NA	No	NA	GLENBANE WEST STREAM_0	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	599.03	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
370	Turbine Delivery Route Option 3A	Limerick	9000	TDR 25m intervals	532019.39	650862.04	NA	NA	No	NA	LISMAKEERY STREAM_010	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	620.88	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
371	Turbine Delivery Route Option 3A	Limerick	9025	TDR 25m intervals	532043.52	650855.51	NA	NA	No	NA	LISMAKEERY STREAM_010	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	642.96	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
372	Turbine Delivery Route Option 3A	Limerick	9050	TDR 25m intervals	532067.65	650848.98	NA	NA	No	NA	LISMAKEERY STREAM_010	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	665.25	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
373	Turbine Delivery Route Option 3A	Limerick	9075	TDR 25m intervals	532091.78	650842.45	NA	NA	No	NA	LISMAKEERY STREAM_010	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	687.73	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
374	Turbine Delivery Route Option 3A	Limerick	9100	TDR 25m intervals	532115.91	650835.92	NA	NA	No	NA	LISMAKEERY STREAM_010	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	710.37	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
375	Turbine Delivery Route Option 3A	Limerick	9125	TDR 25m intervals	532140.17	650829.87	NA	NA	No	NA	LISMAKEERY STREAM_010	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	732.96	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
376	Turbine Delivery Route Option 3A	Limerick	9150	TDR 25m intervals	532164.48	650824.03	NA	NA	No	NA	LISMAKEERY STREAM_010	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	755.61	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
377	Turbine Delivery Route Option 3A	Limerick	9175	TDR 25m intervals	532188.79	650818.19	NA	NA	No	NA	LISMAKEERY STREAM_010	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	778.41	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
378	Turbine Delivery Route Option 3A	Limerick	9200	TDR 25m intervals	532213.09	650812.35	NA	NA	No	NA	LISMAKEERY STREAM_010	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	801.34	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
379	Turbine Delivery Route Option 3A	Limerick	9225	TDR 25m intervals	532237.40	650806.52	NA	NA	No	NA	LISMAKEERY STREAM_010	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	824.39	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
380	Turbine Delivery Route Option 3A	Limerick	9250	TDR 25m intervals	532261.71	650800.68	NA	NA	Yes	LISMAKEERY STREAM_0	LISMAKEERY STREAM_010	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	847.55	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Regionally Important Aquifer
381	Turbine Delivery Route Option 3A	Limerick	9275	TDR 25m intervals	532286.02	650794.84	NA	NA	Yes	LISMAKEERY STREAM_0	LISMAKEERY STREAM_010	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	870.81	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Regionally Important Aquifer
382	Turbine Delivery Route Option 3A	Limerick		TDR_WCC_110	532289.36	650794.73	WCC	NA	Yes	LISMAKEERY STREAM_0	LISMAKEERY STREAM_010	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	870.81	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Regionally Important Aquifer
383	Turbine Delivery Route Option 3A	Limerick	9300	TDR 25m intervals	532310.33	650789.00	NA	NA	Yes	LISMAKEERY STREAM_0	LISMAKEERY STREAM_010	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	894.17	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Regionally Important Aquifer
384	Turbine Delivery Route Option 3A	Limerick	9325	TDR 25m intervals	532334.64	650783.16	NA	NA	Yes	LISMAKEERY STREAM_0	LISMAKEERY STREAM_010	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	917.61	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Regionally Important Aquifer
385	Turbine Delivery Route Option 3A	Limerick	9350	TDR 25m intervals	532358.94	650777.29	NA	NA	No	NA	LISMAKEERY STREAM_010	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	941.14	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
386	Turbine Delivery Route Option 3A	Limerick	9375	TDR 25m intervals	532383.12	650770.95	NA	NA	No	NA	LISMAKEERY STREAM_010	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	964.90	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
387	Turbine Delivery Route Option 3A	Limerick	9400	TDR 25m intervals	532407.30	650764.60	NA	NA	No	NA	LISMAKEERY STREAM_010	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	988.73	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
388	Turbine Delivery Route Option 3A	Limerick	9425	TDR 25m intervals	532431.45	650758.14	NA	NA	No	NA	LISMAKEERY STREAM_010	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1012.65	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
389	Turbine Delivery Route Option 3A	Limerick	9450	TDR 25m intervals	532455.27	650750.75	NA	NA	No	NA	LISMAKEERY STREAM_010	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1036.81	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
390	Turbine Delivery Route Option 3A	Limerick	9475	TDR 25m intervals	532478.05	650740.45	NA	NA	No	NA	LISMAKEERY STREAM_010	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1061.63	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
391	Turbine Delivery Route Option 3A	Limerick	9500	TDR 25m intervals	532500.83	650730.15	NA	NA	No	NA	LISMAKEERY STREAM_010	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1086.46	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
392	Turbine Delivery Route Option 3A	Limerick	9525	TDR 25m intervals	532523.61	650719.85	NA	NA	No	NA	LISMAKEERY STREAM_010	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1111.29	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
393	Turbine Delivery Route Option 3A	Limerick	9550	TDR 25m intervals	532545.36	650707.67	NA	NA	No	NA	LISMAKEERY STREAM_010	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1136.22	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
394	Turbine Delivery Route Option 3A	Limerick	9575	TDR 25m intervals	532566.33	650694.06	NA	NA	No	NA	LISMAKEERY STREAM_010	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1161.20	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
395	Turbine Delivery Route Option 3A	Limerick	9600	TDR 25m intervals	532587.30	650680.45	NA	NA	No	NA	LISMAKEERY STREAM_010	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1186.19	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
396	Turbine Delivery Route Option 3A	Limerick	9625	TDR 25m intervals	532608.09	650666.58	NA	NA	No	NA	LISMAKEERY STREAM_010	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1211.16	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
397	Turbine Delivery Route Option 3A	Limerick	9650	TDR 25m intervals	532628.42	650652.01	NA	NA	No	NA	LISMAKEERY STREAM_010	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1236.08	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
398	Turbine Delivery Route Option 3A	Limerick	9675	TDR 25m intervals	532648.74	650637.45	NA	NA	No	NA	LISMAKEERY STREAM_010	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1261.01	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
399	Turbine Delivery Route Option 3A	Limerick	9700	TDR 25m intervals	532669.12	650622.99	NA	NA	No	NA	LISMAKEERY STREAM_010	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1285.95	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
400	Turbine Delivery Route Option 3A	Limerick	9725	TDR 25m intervals	532689.76	650608.88	NA	NA	No	NA	LISMAKEERY STREAM_010	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1310.91	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
401	Turbine Delivery Route Option 3A	Limerick	9750	TDR 25m intervals	532710.40	650594.77	NA	NA	No	NA	LISMAKEERY STREAM_010	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1335.88	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
402	Turbine Delivery Route Option 3A	Limerick	9775	TDR 25m intervals	532730.54	650579.96	NA	NA	No	NA	LISMAKEERY STREAM_010	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1360.79	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
403	Turbine Delivery Route Option 3A	Limerick	9800	TDR 25m intervals	532750.53	650564.95	NA	NA	No	NA	LISMAKEERY STREAM_010	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1385.69	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
404	Turbine Delivery Route Option 3A	Limerick	9825	TDR 25m intervals	532772.57	650553.20	NA	NA	No	NA	LISMAKEERY STREAM_010	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1410.62	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
405	Turbine Delivery Route Option 3A	Limerick	9850	TDR 25m intervals	532794.75	650541.66	NA	NA	No	NA	LISMAKEERY STREAM_010	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1435.57	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
406	Turbine Delivery Route Option 3A	Limerick	9875	TDR 25m intervals	532817.42	650531.21	NA	NA	No	NA	LISMAKEERY STREAM_010	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1460.37	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
407	Turbine Delivery Route Option 3A	Limerick	9900	TDR 25m intervals	532840.71	650522.12	NA	NA	No	NA	LISMAKEERY STREAM_010	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1484.99	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
408	Turbine Delivery Route Option 3A	Limerick	9925	TDR 25m intervals	532864.00	650513.03	NA	NA	No	NA	LISMAKEERY STREAM_010	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1509.63	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer

Appendix 10.3 - Baseline Database -Turbine Delivery Route, Option 3A
Oatfield WF, Co. Clare

Project Ref. 604569
Prepared by: Cca / DW
Date: 17/11/2023
File Ref: 604569-Geo-R03-App10.3-(00)-Baseline Database -Turbine Delivery Route

	TDR		Assessment Location		Grid Coordinates (ITM)		Construction Details		Surface Water				Groundwater / Bedrock Aquifer						Groundwater / Wells / Abstraction		Designated Areas			Assessment Graphics / Comment	
Row No.	Turbine Delivery Route (TDR)	County	Location ID	Assessment Location Category	Easting	Northing	Type of Water Crossing / Construction Activity	Approximate Construction Depth (Excavation / Drilling) Depth Relative to Ground Level)	SW 50m Buffer	Receptor Category (Mapped river = EPA / WFD mapped)	River basins	Subcatchments	Aquifer Vulnerability	Potential Depth to Bedrock (acc. To GSI categories)	GW Aquifer Type	Excavation in or near Bedrock (In line with GSI mapped Aquifer Vulnerability)	Karst 25m buffer	Distance to Karst Feature	GW Abstraction 250m Buffer	Groundwater Source Protection Area NFGWS	SAC 50m Buffer	SPA 50m Buffer	Within SAC / SPA / NHA ?	Map Tile Number	Comments & MITIGATION MEASURES
					ITM	ITM		mbGL	50m										250m						
409	Turbine Delivery Route Option 3A	Limerick	9950	TDR 25m intervals	532887.29	650503.94	NA	NA	No	NA	USMAKEERY STREAM_010	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1534.29	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
410	Turbine Delivery Route Option 3A	Limerick	9975	TDR 25m intervals	532911.15	650496.76	NA	NA	No	NA	USMAKEERY STREAM_010	Shanagolden[Stream]_SC_01	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1558.47	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
411	Turbine Delivery Route Option 3A	Limerick	10000	TDR 25m intervals	532935.61	650491.60	NA	NA	No	NA	USMAKEERY STREAM_010	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1582.17	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
412	Turbine Delivery Route Option 3A	Limerick	10025	TDR 25m intervals	532960.07	650486.44	NA	NA	No	NA	USMAKEERY STREAM_010	Shanagolden[Stream]_SC_01	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1605.91	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
413	Turbine Delivery Route Option 3A	Limerick	10050	TDR 25m intervals	532984.84	650483.41	NA	NA	No	NA	USMAKEERY STREAM_010	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1628.90	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
414	Turbine Delivery Route Option 3A	Limerick	10075	TDR 25m intervals	533009.77	650481.45	NA	NA	No	NA	USMAKEERY STREAM_010	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1651.55	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
415	Turbine Delivery Route Option 3A	Limerick	10100	TDR 25m intervals	533034.69	650479.48	NA	NA	No	NA	USMAKEERY STREAM_010	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1674.28	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
416	Turbine Delivery Route Option 3A	Limerick	10125	TDR 25m intervals	533059.61	650477.52	NA	NA	No	NA	USMAKEERY STREAM_010	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1697.07	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
417	Turbine Delivery Route Option 3A	Limerick	10150	TDR 25m intervals	533084.54	650476.83	NA	NA	No	NA	USMAKEERY STREAM_010	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1719.32	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
418	Turbine Delivery Route Option 3A	Limerick	10175	TDR 25m intervals	533109.50	650478.35	NA	NA	No	NA	USMAKEERY STREAM_010	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1740.63	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
419	Turbine Delivery Route Option 3A	Limerick	10200	TDR 25m intervals	533134.42	650480.15	NA	NA	No	NA	USMAKEERY STREAM_010	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1761.89	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
420	Turbine Delivery Route Option 3A	Limerick	10225	TDR 25m intervals	533159.04	650484.50	NA	NA	No	NA	USMAKEERY STREAM_010	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1781.81	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
421	Turbine Delivery Route Option 3A	Limerick	10250	TDR 25m intervals	533183.66	650488.85	NA	NA	No	NA	USMAKEERY STREAM_010	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1801.86	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
422	Turbine Delivery Route Option 3A	Limerick	10275	TDR 25m intervals	533208.28	650493.20	NA	NA	No	NA	USMAKEERY STREAM_010	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1822.04	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
423	Turbine Delivery Route Option 3A	Limerick	10300	TDR 25m intervals	533232.16	650500.43	NA	NA	No	NA	USMAKEERY STREAM_010	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1840.43	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
424	Turbine Delivery Route Option 3A	Limerick	10325	TDR 25m intervals	533255.86	650508.38	NA	NA	No	NA	USMAKEERY STREAM_010	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1858.50	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
425	Turbine Delivery Route Option 3A	Limerick	10350	TDR 25m intervals	533279.36	650516.89	NA	NA	No	NA	USMAKEERY STREAM_010	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1876.32	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
426	Turbine Delivery Route Option 3A	Limerick	10375	TDR 25m intervals	533302.62	650526.06	NA	NA	No	NA	USMAKEERY STREAM_010	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1893.81	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
427	Turbine Delivery Route Option 3A	Limerick	10400	TDR 25m intervals	533325.68	650535.69	NA	NA	No	NA	DEEL (NEWCASTLEWEST)_14	Deel[Newcastlewest]_SC_04	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1911.11	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
428	Turbine Delivery Route Option 3A	Limerick	10425	TDR 25m intervals	533348.40	650546.11	NA	NA	No	NA	DEEL (NEWCASTLEWEST)_14	Deel[Newcastlewest]_SC_04	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1927.96	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
429	Turbine Delivery Route Option 3A	Limerick	10450	TDR 25m intervals	533371.13	650556.54	NA	NA	No	NA	DEEL (NEWCASTLEWEST)_14	Deel[Newcastlewest]_SC_04	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1944.98	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
430	Turbine Delivery Route Option 3A	Limerick	10475	TDR 25m intervals	533393.85	650566.96	NA	NA	No	NA	DEEL (NEWCASTLEWEST)_14	Deel[Newcastlewest]_SC_04	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1962.18	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
431	Turbine Delivery Route Option 3A	Limerick	10500	TDR 25m intervals	533416.57	650577.38	NA	NA	No	NA	DEEL (NEWCASTLEWEST)_14	Deel[Newcastlewest]_SC_04	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1979.54	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
432	Turbine Delivery Route Option 3A	Limerick	10525	TDR 25m intervals	533439.30	650587.81	NA	NA	No	NA	DEEL (NEWCASTLEWEST)_14	Deel[Newcastlewest]_SC_04	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	1997.06	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
433	Turbine Delivery Route Option 3A	Limerick	10550	TDR 25m intervals	533462.02	650598.23	NA	NA	No	NA	DEEL (NEWCASTLEWEST)_14	Deel[Newcastlewest]_SC_04	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	2014.75	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
434	Turbine Delivery Route Option 3A	Limerick	10575	TDR 25m intervals	533484.75	650608.65	NA	NA	No	NA	DEEL (NEWCASTLEWEST)_14	Deel[Newcastlewest]_SC_04	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	2032.58	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
435	Turbine Delivery Route Option 3A	Limerick	10600	TDR 25m intervals	533507.47	650619.07	NA	NA	No	NA	DEEL (NEWCASTLEWEST)_14	Deel[Newcastlewest]_SC_04	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	2050.57	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
436	Turbine Delivery Route Option 3A	Limerick	10625	TDR 25m intervals	533530.19	650629.50	NA	NA	No	NA	DEEL (NEWCASTLEWEST)_14	Deel[Newcastlewest]_SC_04	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	2068.70	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
437	Turbine Delivery Route Option 3A	Limerick	10650	TDR 25m intervals	533552.92	650639.92	NA	NA	No	NA	DEEL (NEWCASTLEWEST)_14	Deel[Newcastlewest]_SC_04	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	2086.97	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
438	Turbine Delivery Route Option 3A	Limerick	10675	TDR 25m intervals	533575.64	650650.34	NA	NA	No	NA	DEEL (NEWCASTLEWEST)_14	Deel[Newcastlewest]_SC_04	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	2105.38	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
439	Turbine Delivery Route Option 3A	Limerick	10700	TDR 25m intervals	533598.36	650660.77	NA	NA	No	NA	DEEL (NEWCASTLEWEST)_14	Deel[Newcastlewest]_SC_04	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	2123.93	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
440	Turbine Delivery Route Option 3A	Limerick	10725	TDR 25m intervals	533621.09	650671.19	NA	NA	No	NA	DEEL (NEWCASTLEWEST)_14	Deel[Newcastlewest]_SC_04	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	2142.60	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
441	Turbine Delivery Route Option 3A	Limerick	10750	TDR 25m intervals	533643.81	650681.61	NA	NA	No	NA	DEEL (NEWCASTLEWEST)_14	Deel[Newcastlewest]_SC_04	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	2161.41	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
442	Turbine Delivery Route Option 3A	Limerick	10775	TDR 25m intervals	533666.44	650692.24	NA	NA	No	NA	DEEL (NEWCASTLEWEST)_14	Deel[Newcastlewest]_SC_04	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	2180.19	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
443	Turbine Delivery Route Option 3A	Limerick	10800	TDR 25m intervals	533688.93	650703.15	NA	NA	No	NA	DEEL (NEWCASTLEWEST)_14	Deel[Newcastlewest]_SC_04	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	2198.89	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
444	Turbine Delivery Route Option 3A	Limerick	10825	TDR 25m intervals	533711.43	650714.05	NA	NA	No	NA	DEEL (NEWCASTLEWEST)_14	Deel[Newcastlewest]_SC_04	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	2217.72	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
445	Turbine Delivery Route Option 3A	Limerick	10850	TDR 25m intervals	533733.92	650724.96	NA	NA	No	NA	DEEL (NEWCASTLEWEST)_14	Deel[Newcastlewest]_SC_04	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	2236.67	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
446	Turbine Delivery Route Option 3A	Limerick	10875	TDR 25m intervals	533756.42	650735.87	NA	NA	No	NA	USMAKEERY STREAM_010	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	2255.73	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
447	Turbine Delivery Route Option 3A	Limerick	10900	TDR 25m intervals	533778.91	650746.77	NA	NA	No	NA	USMAKEERY STREAM_010	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	2274.91	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
448	Turbine Delivery Route Option 3A	Limerick	10925	TDR 25m intervals	533801.48	650757.53	NA	NA	No	NA	DEEL (NEWCASTLEWEST)_14	Deel[Newcastlewest]_SC_04	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	2294.31	No	No	No	River Shannon and River Fergus Estuaries SPA	No		ELEVATED RISK Within River Shannon and River Fergus Estuaries SPA Buffer Regionally Important Aquifer
449	Turbine Delivery Route Option 3A	Limerick	10950	TDR 25m intervals	533824.30	650767.75	NA	NA	No	NA	USMAKEERY STREAM_010	Shanagolden[Stream]_SC_01	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	2314.18	Yes	No	No	River Shannon and River Fergus Estuaries SPA	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer Within River Shannon and River Fergus Estuaries SPA Buffer
450	Turbine Delivery Route Option 3A	Limerick	10975	TDR 25m intervals	533847.11	650777.97	NA	NA	No	NA			Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	2334.15	Yes	No	No	River Shannon and River Fergus Estuaries SPA	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer Within River Shannon and River Fergus Estuaries SPA Buffer
451	Turbine Delivery Route Option 3A	Limerick	11000	TDR 25m intervals	533869.93	650788.19	NA	NA	Yes	DEEL (NEWCASTLEWES	DEEL (NEWCASTLEWEST)_14	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	2354.21	Yes	No	No	River Shannon and River Fergus Estuaries SPA	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone Regionally Important Aquifer Within River Shannon and River Fergus Estuaries SPA Buffer
452	Turbine Delivery Route Option 3A	Limerick	11025	TDR 25m intervals	533892.74	650798.41	NA	NA	Yes	DEEL (NEWCASTLEWES	DEEL (NEWCASTLEWEST)_14	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	2374.37	Yes	No	No	River Shannon and River Fergus Estuaries SPA	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone Regionally Important Aquifer Within River Shannon and River Fergus Estuaries SPA Buffer
453	Turbine Delivery Route Option 3A	Limerick	11050	TDR 25m intervals	533915.55	650808.64	NA	NA	Yes	DEEL (NEWCASTLEWES	DEEL (NEWCASTLEWEST)_14	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	2394.61	Yes	No	No	River Shannon and River Fergus Estuaries SPA	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone Regionally Important Aquifer Within River Shannon and River Fergus Estuaries SPA Buffer
454	Turbine Delivery Route Option 3A	Limerick	11075	TDR 25m intervals	533939.22	650816.67	NA	NA	Yes	DEEL (NEWCASTLEWES	DEEL (NEWCASTLEWEST)_14	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	2416.21	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone Regionally Important Aquifer
455	Turbine Delivery Route Option 3A	Limerick	11100	TDR 25m intervals	533962.97	650824.47	NA	NA	Yes	DEEGERTY_020	DEEL (NEWCASTLEWEST)_14	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	2438.01	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone Regionally Important Aquifer
456	Turbine Delivery Route Option 3A	Limerick	11125	TDR 25m intervals	533986.92	650831.66	NA	NA	Yes	DEEGERTY_020	DEEGERTY_020	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	2460.16	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone Regionally Important Aquifer
457	Turbine Delivery Route Option 3A	Limerick	11150	TDR 25m intervals	534010.86	650838.85	NA	NA	Yes	DEEGERTY_020	DEEGERTY_020	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	2482.38	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone Regionally Important Aquifer
458	Turbine Delivery Route Option 3A	Limerick		TDR_WCC_111	534107.16	650869.72	WCC	NA	Yes	DEEGERTY_020	DEEGERTY_020	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	2482.38	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone Regionally Important Aquifer
459	Turbine Delivery Route Option 3A	Limerick	11175	TDR 25m intervals	534034.80	650846.04	NA	NA	Yes	DEEGERTY_020	DEEGERTY_020	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	2504.64	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone Regionally Important Aquifer

Appendix 10.3 - Baseline Database -Turbine Delivery Route, Option 3A
Oatfield WF, Co. Clare

Project Ref. 604569
Prepared by: Cca / DW
Date: 17/11/2023
File Ref: 604569-Geo-R03-App10.3-(00)-Baseline Database -Turbine Delivery Route

	TDR		Assessment Location		Grid Coordinates (ITM)		Construction Details		Surface Water				Groundwater / Bedrock Aquifer						Groundwater / Wells / Abstraction		Designated Areas			Assessment Graphics / Comment	
Row No.	Turbine Delivery Route (TDR)	County	Location ID	Assessment Location Category	Easting	Northing	Type of Water Crossing / Construction Activity	Approximate Construction Depth (Excavation / Drilling) Depth Relative to Ground Level)	SW 50m Buffer	Receptor Category (Mapped river = EPA / WFD mapped)	River basins	Subcatchments	Aquifer Vulnerability	Potential Depth to Bedrock (acc. To GSI categories)	GW Aquifer Type	Excavation in or near Bedrock (In line with GSI mapped Aquifer Vulnerability)	Karst 25m buffer	Distance to Karst Feature	GW Abstraction 250m Buffer	Groundwater Source Protection Area NFGWS	SAC 50m Buffer	SPA 50m Buffer	Within SAC / SPA / NHA ?	Map Tile Number	Comments & MITIGATION MEASURES
					ITM	ITM		mbGL	50m										250m						
460	Turbine Delivery Route Option 3A	Limerick	11200	TDR 25m intervals	534058.75	650853.24	NA	NA	Yes	DEEGERTY_020	DEEGERTY_020	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	2526.95	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone Regionally Important Aquifer
461	Turbine Delivery Route Option 3A	Limerick	11225	TDR 25m intervals	534082.46	650861.14	NA	NA	Yes	DEEGERTY_020	DEEGERTY_020	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	2548.97	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone Regionally Important Aquifer
462	Turbine Delivery Route Option 3A	Limerick	11250	TDR 25m intervals	534106.18	650869.04	NA	NA	Yes	DEEGERTY_020	DEEGERTY_020	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	2571.05	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone Regionally Important Aquifer
463	Turbine Delivery Route Option 3A	Limerick	11275	TDR 25m intervals	534129.90	650876.94	NA	NA	Yes	DEEGERTY_020	DEEGERTY_020	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	2593.18	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone Regionally Important Aquifer
464	Turbine Delivery Route Option 3A	Limerick	11300	TDR 25m intervals	534153.62	650884.84	NA	NA	Yes	DEEGERTY_020	DEEGERTY_020	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	2615.37	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone Regionally Important Aquifer
465	Turbine Delivery Route Option 3A	Limerick	11325	TDR 25m intervals	534177.34	650892.74	NA	NA	Yes	DEEGERTY_020	DEEGERTY_020	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	2637.60	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone Regionally Important Aquifer
466	Turbine Delivery Route Option 3A	Limerick	11350	TDR 25m intervals	534201.06	650900.64	NA	NA	Yes	DEEGERTY_020	DEEGERTY_020	Deel[Newcastlewest]_SC_05	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	2659.88	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone Regionally Important Aquifer
467	Turbine Delivery Route Option 3A	Limerick	11375	TDR 25m intervals	534225.03	650907.70	NA	NA	Yes	DEEGERTY_020	DEEGERTY_020	Deel[Newcastlewest]_SC_05	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	2682.58	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone Regionally Important Aquifer
468	Turbine Delivery Route Option 3A	Limerick	11400	TDR 25m intervals	534249.16	650914.24	NA	NA	Yes	DEEGERTY_020	DEEGERTY_020	Deel[Newcastlewest]_SC_05	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	2705.56	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone Regionally Important Aquifer
469	Turbine Delivery Route Option 3A	Limerick	11425	TDR 25m intervals	534273.29	650920.77	NA	NA	Yes	DEEGERTY_020	DEEGERTY_020	Deel[Newcastlewest]_SC_05	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	2728.56	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone Regionally Important Aquifer
470	Turbine Delivery Route Option 3A	Limerick	11450	TDR 25m intervals	534297.42	650927.31	NA	NA	Yes	DEEGERTY_020	DEEGERTY_020	Deel[Newcastlewest]_SC_05	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	2751.61	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Regionally Important Aquifer
471	Turbine Delivery Route Option 3A	Limerick	11475	TDR 25m intervals	534321.62	650933.59	NA	NA	Yes	DEEGERTY_020	DEEGERTY_020	Deel[Newcastlewest]_SC_05	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	2774.78	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Regionally Important Aquifer
472	Turbine Delivery Route Option 3A	Limerick		TDR_WCC_112	534339.17	650937.68	WCC	NA	Yes	DEEGERTY_020	DEEGERTY_020	Deel[Newcastlewest]_SC_05	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	2774.78	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Regionally Important Aquifer
473	Turbine Delivery Route Option 3A	Limerick	11500	TDR 25m intervals	534345.82	650939.88	NA	NA	Yes	DEEGERTY_020	DEEGERTY_020	Deel[Newcastlewest]_SC_05	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	2797.98	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Regionally Important Aquifer
474	Turbine Delivery Route Option 3A	Limerick	11525	TDR 25m intervals	534370.05	650945.97	NA	NA	Yes	DEEGERTY_020	DEEGERTY_020	Deel[Newcastlewest]_SC_05	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	2821.28	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Regionally Important Aquifer
475	Turbine Delivery Route Option 3A	Limerick	11550	TDR 25m intervals	534394.92	650948.46	NA	NA	Yes	DEEGERTY_020	DEEGERTY_020	Deel[Newcastlewest]_SC_05	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	2845.67	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Regionally Important Aquifer
476	Turbine Delivery Route Option 3A	Limerick	11575	TDR 25m intervals	534419.80	650950.94	NA	NA	Yes	DEEGERTY_020	DEEGERTY_020	Deel[Newcastlewest]_SC_05	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	2870.08	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Regionally Important Aquifer
477	Turbine Delivery Route Option 3A	Limerick	11600	TDR 25m intervals	534444.68	650953.43	NA	NA	Yes	DEEGERTY_020	DEEGERTY_020	Deel[Newcastlewest]_SC_05	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	2894.49	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Regionally Important Aquifer
478	Turbine Delivery Route Option 3A	Limerick	11625	TDR 25m intervals	534469.63	650954.15	NA	NA	Yes	DEEGERTY_020	DEEGERTY_020	Deel[Newcastlewest]_SC_05	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	2919.20	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Regionally Important Aquifer
479	Turbine Delivery Route Option 3A	Limerick	11650	TDR 25m intervals	534494.63	650953.88	NA	NA	Yes	DEEGERTY_020	DEEGERTY_020	Deel[Newcastlewest]_SC_05	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	2944.07	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Regionally Important Aquifer
480	Turbine Delivery Route Option 3A	Limerick	11675	TDR 25m intervals	534519.63	650953.61	NA	NA	Yes	DEEGERTY_020	DEEGERTY_020	Deel[Newcastlewest]_SC_05	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	2968.94	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Regionally Important Aquifer
481	Turbine Delivery Route Option 3A	Limerick	11700	TDR 25m intervals	534544.57	650952.28	NA	NA	Yes	DEEGERTY_020	DEEGERTY_020	Deel[Newcastlewest]_SC_05	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	2993.87	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Regionally Important Aquifer
482	Turbine Delivery Route Option 3A	Limerick	11725	TDR 25m intervals	534569.48	650950.09	NA	NA	No	NA	DEEGERTY_020	Deel[Newcastlewest]_SC_05	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	3018.87	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
483	Turbine Delivery Route Option 3A	Limerick	11750	TDR 25m intervals	534594.38	650947.89	NA	NA	No	NA	DEEGERTY_020	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	3043.87	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
484	Turbine Delivery Route Option 3A	Limerick	11775	TDR 25m intervals	534619.28	650945.69	NA	NA	No	NA	DEEGERTY_020	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	3068.86	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
485	Turbine Delivery Route Option 3A	Limerick	11800	TDR 25m intervals	534643.91	650941.66	NA	NA	No	NA	DEEGERTY_020	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	3093.79	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
486	Turbine Delivery Route Option 3A	Limerick	11825	TDR 25m intervals	534668.34	650936.38	NA	NA	No	NA	DEEGERTY_020	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	3118.67	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
487	Turbine Delivery Route Option 3A	Limerick	11850	TDR 25m intervals	534692.78	650931.10	NA	NA	No	NA	DEEGERTY_020	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	3143.55	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
488	Turbine Delivery Route Option 3A	Limerick	11875	TDR 25m intervals	534717.01	650925.04	NA	NA	No	NA	DEEGERTY_020	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	3168.32	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
489	Turbine Delivery Route Option 3A	Limerick	11900	TDR 25m intervals	534740.87	650917.58	NA	NA	No	NA	DEEGERTY_020	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	3192.89	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
490	Turbine Delivery Route Option 3A	Limerick	11925	TDR 25m intervals	534764.73	650910.12	NA	NA	No	NA	DEEGERTY_020	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	3217.46	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
491	Turbine Delivery Route Option 3A	Limerick	11950	TDR 25m intervals	534788.59	650902.66	NA	NA	No	NA	DEEGERTY_020	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	3242.04	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
492	Turbine Delivery Route Option 3A	Limerick	11975	TDR 25m intervals	534812.28	650894.67	NA	NA	No	NA	DEEGERTY_020	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	3266.52	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
493	Turbine Delivery Route Option 3A	Limerick	12000	TDR 25m intervals	534835.89	650886.45	NA	NA	No	NA	DEEGERTY_020	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	3290.96	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
494	Turbine Delivery Route Option 3A	Limerick	12025	TDR 25m intervals	534858.50	650875.84	NA	NA	No	NA	DEEGERTY_020	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	3314.71	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
495	Turbine Delivery Route Option 3A	Limerick	12050	TDR 25m intervals	534880.91	650864.76	NA	NA	No	NA	DEEGERTY_020	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	3338.35	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
496	Turbine Delivery Route Option 3A	Limerick	12075	TDR 25m intervals	534903.03	650853.14	NA	NA	No	NA	DEEGERTY_020	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	3361.79	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
497	Turbine Delivery Route Option 3A	Limerick	12100	TDR 25m intervals	534924.56	650840.44	NA	NA	No	NA	DEEGERTY_020	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	3384.81	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
498	Turbine Delivery Route Option 3A	Limerick	12125	TDR 25m intervals	534946.10	650827.75	NA	NA	No	NA	DEEGERTY_020	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	3407.86	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
499	Turbine Delivery Route Option 3A	Limerick	12150	TDR 25m intervals	534967.61	650815.01	NA	NA	No	NA	DEEGERTY_020	Deel[Newcastlewest]_SC_05	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	3430.92	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
500	Turbine Delivery Route Option 3A	Limerick	12175	TDR 25m intervals	534988.55	650801.36	NA	NA	No	NA	DEEGERTY_020	Deel[Newcastlewest]_SC_05	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	3453.57	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
501	Turbine Delivery Route Option 3A	Limerick	12200	TDR 25m intervals	535009.49	650787.70	NA	NA	No	NA	DEEGERTY_020	Deel[Newcastlewest]_SC_05	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	3476.25	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
502	Turbine Delivery Route Option 3A	Limerick	12225	TDR 25m intervals	535030.43	650774.04	NA	NA	No	NA	DEEGERTY_020	Deel[Newcastlewest]_SC_05	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	3498.96	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
503	Turbine Delivery Route Option 3A	Limerick	12250	TDR 25m intervals	535051.53	650760.63	NA	NA	No	NA	DEEGERTY_020	Deel[Newcastlewest]_SC_05	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	3521.83	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
504	Turbine Delivery Route Option 3A	Limerick	12275	TDR 25m intervals	535072.64	650747.24	NA	NA	No	NA	DEEGERTY_020	Deel[Newcastlewest]_SC_05	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	3544.73	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
505	Turbine Delivery Route Option 3A	Limerick	12300	TDR 25m intervals	535093.71	650733.78	NA	NA	No	NA	DEEGERTY_020	Deel[Newcastlewest]_SC_05	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	3567.63	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
506	Turbine Delivery Route Option 3A	Limerick	12325	TDR 25m intervals	535114.72	650720.23	NA	NA	No	NA	DEEGERTY_020	Deel[Newcastlewest]_SC_05	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	3590.52	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
507	Turbine Delivery Route Option 3A	Limerick	12350	TDR 25m intervals	535135.72	650706.68	NA	NA	No	NA	DEEGERTY_020	Deel[Newcastlewest]_SC_05	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	3613.43	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer

	TDR		Assessment Location		Grid Coordinates (ITM)		Construction Details		Surface Water				Groundwater / Bedrock Aquifer						Groundwater / Wells / Abstraction		Designated Areas			Assessment Graphics / Comment	
Row No.	Turbine Delivery Route (TDR)	County	Location ID	Assessment Location Category	Easting	Northing	Type of Water Crossing / Construction Activity	Approximate Construction Depth (Excavation / Drilling) Depth Relative to Ground Level)	SW 50m Buffer	Receptor Category (Mapped river = EPA / WFD mapped)	River basins	Subcatchments	Aquifer Vulnerability	Potential Depth to Bedrock (acc. To GSI categories)	GW Aquifer Type	Excavation in or near Bedrock (In line with GSI mapped Aquifer Vulnerability)	Karst 25m buffer	Distance to Karst Feature	GW Abstraction 250m Buffer	Groundwater Source Protection Area NFGWS	SAC 50m Buffer	SPA 50m Buffer	Within SAC / SPA / NHA ?	Map Tile Number	Comments & MITIGATION MEASURES
					ITM	ITM		mbGL	50m										250m						
508	Turbine Delivery Route Option 3A	Limerick	12375	TDR 25m intervals	535156.94	650693.49	NA	NA	Yes	DEEGERTY_020	DEEGERTY_020	Deel[Newcastlewest]_SC_05	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	3636.51	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Regionally Important Aquifer
509	Turbine Delivery Route Option 3A	Limerick	12400	TDR 25m intervals	535179.21	650682.13	NA	NA	Yes	DEEGERTY_020	DEEGERTY_020	Deel[Newcastlewest]_SC_05	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	3660.36	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Regionally Important Aquifer
510	Turbine Delivery Route Option 3A	Limerick	12425	TDR 25m intervals	535201.92	650671.73	NA	NA	Yes	DEEGERTY_020	DEEGERTY_020	Deel[Newcastlewest]_SC_05	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	3684.49	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Regionally Important Aquifer
511	Turbine Delivery Route Option 3A	Limerick	12450	TDR 25m intervals	535225.09	650662.34	NA	NA	Yes	DEEGERTY_020	DEEGERTY_020	Deel[Newcastlewest]_SC_05	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	3708.91	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Regionally Important Aquifer
512	Turbine Delivery Route Option 3A	Limerick		TDR_WCC_113	535242.99	650656.46	WCC	NA	Yes	DEEGERTY_020	DEEGERTY_020	Deel[Newcastlewest]_SC_05	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	3708.91	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Regionally Important Aquifer
513	Turbine Delivery Route Option 3A	Limerick	12475	TDR 25m intervals	535248.47	650653.52	NA	NA	Yes	DEEGERTY_020	DEEGERTY_020	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	3733.45	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Regionally Important Aquifer
514	Turbine Delivery Route Option 3A	Limerick	12500	TDR 25m intervals	535272.14	650645.47	NA	NA	Yes	DEEGERTY_020	DEEGERTY_020	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	3758.16	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone Regionally Important Aquifer
515	Turbine Delivery Route Option 3A	Limerick	12525	TDR 25m intervals	535296.18	650638.78	NA	NA	Yes	DEEGERTY_020	DEEGERTY_020	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	3782.99	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone Regionally Important Aquifer
516	Turbine Delivery Route Option 3A	Limerick	12550	TDR 25m intervals	535320.68	650633.82	NA	NA	No	NA	DEEGERTY_020	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	3807.98	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
517	Turbine Delivery Route Option 3A	Limerick	12575	TDR 25m intervals	535345.29	650629.54	NA	NA	No	NA	DEEGERTY_020	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	3832.97	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
518	Turbine Delivery Route Option 3A	Limerick	12600	TDR 25m intervals	535370.10	650626.41	NA	NA	No	NA	DEEGERTY_020	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	3857.94	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
519	Turbine Delivery Route Option 3A	Limerick	12625	TDR 25m intervals	535394.93	650623.56	NA	NA	No	NA	DEEGERTY_020	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	3882.90	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
520	Turbine Delivery Route Option 3A	Limerick	12650	TDR 25m intervals	535419.88	650622.06	NA	NA	No	NA	DEEGERTY_020	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	3907.74	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
521	Turbine Delivery Route Option 3A	Limerick	12675	TDR 25m intervals	535444.84	650621.83	NA	NA	No	NA	DEEGERTY_020	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	3932.38	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
522	Turbine Delivery Route Option 3A	Limerick	12700	TDR 25m intervals	535469.80	650623.19	NA	NA	No	NA	DEEGERTY_020	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	3956.75	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
523	Turbine Delivery Route Option 3A	Limerick	12725	TDR 25m intervals	535494.77	650624.54	NA	NA	No	NA	DEEGERTY_020	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	3981.14	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
524	Turbine Delivery Route Option 3A	Limerick	12750	TDR 25m intervals	535519.66	650626.75	NA	NA	No	NA	DEEGERTY_020	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	4005.31	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
525	Turbine Delivery Route Option 3A	Limerick	12775	TDR 25m intervals	535544.49	650629.66	NA	NA	No	NA	DEEGERTY_020	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	4029.33	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
526	Turbine Delivery Route Option 3A	Limerick	12800	TDR 25m intervals	535569.27	650632.93	NA	NA	No	NA	DEEGERTY_020	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	4053.24	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
527	Turbine Delivery Route Option 3A	Limerick	12825	TDR 25m intervals	535593.87	650637.36	NA	NA	No	NA	DEEGERTY_020	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	4076.82	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
528	Turbine Delivery Route Option 3A	Limerick	12850	TDR 25m intervals	535618.44	650641.97	NA	NA	No	NA	DEEGERTY_020	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	4100.34	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
529	Turbine Delivery Route Option 3A	Limerick	12875	TDR 25m intervals	535642.84	650647.40	NA	NA	No	NA	DEEGERTY_020	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	4123.59	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
530	Turbine Delivery Route Option 3A	Limerick	12900	TDR 25m intervals	535667.07	650653.52	NA	NA	No	NA	DEEGERTY_020	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	4146.58	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
531	Turbine Delivery Route Option 3A	Limerick	12925	TDR 25m intervals	535691.11	650660.38	NA	NA	No	NA	DEEGERTY_020	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	4169.29	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
532	Turbine Delivery Route Option 3A	Limerick	12950	TDR 25m intervals	535715.15	650667.24	NA	NA	No	NA	DEEGERTY_020	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	4192.04	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
533	Turbine Delivery Route Option 3A	Limerick	12975	TDR 25m intervals	535738.83	650675.23	NA	NA	No	NA	DEEGERTY_020	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	4214.28	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
534	Turbine Delivery Route Option 3A	Limerick	13000	TDR 25m intervals	535762.37	650683.64	NA	NA	No	NA	DEEGERTY_020	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	4236.37	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
535	Turbine Delivery Route Option 3A	Limerick	13025	TDR 25m intervals	535786.04	650691.68	NA	NA	No	NA	DEEGERTY_020	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	4258.66	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
536	Turbine Delivery Route Option 3A	Limerick	13050	TDR 25m intervals	535809.75	650699.61	NA	NA	No	NA	DEEGERTY_020	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	4281.03	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
537	Turbine Delivery Route Option 3A	Limerick	13075	TDR 25m intervals	535833.63	650706.98	NA	NA	No	NA	DEEGERTY_020	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	4303.69	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
538	Turbine Delivery Route Option 3A	Limerick	13100	TDR 25m intervals	535857.57	650714.18	NA	NA	No	NA	DEEGERTY_020	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	4326.44	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
539	Turbine Delivery Route Option 3A	Limerick	13125	TDR 25m intervals	535881.40	650721.76	NA	NA	No	NA	DEEGERTY_020	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	4349.06	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
540	Turbine Delivery Route Option 3A	Limerick	13150	TDR 25m intervals	535905.78	650727.19	NA	NA	No	NA	DEEGERTY_020	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	4372.53	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
541	Turbine Delivery Route Option 3A	Limerick	13175	TDR 25m intervals	535930.29	650732.07	NA	NA	No	NA	DEEGERTY_020	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	4396.23	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
542	Turbine Delivery Route Option 3A	Limerick	13200	TDR 25m intervals	535954.89	650736.53	NA	NA	No	NA	DEEGERTY_020	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	4420.07	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
543	Turbine Delivery Route Option 3A	Limerick	13225	TDR 25m intervals	535979.62	650740.22	NA	NA	No	NA	DEEGERTY_020	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	4444.14	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
544	Turbine Delivery Route Option 3A	Limerick	13250	TDR 25m intervals	536004.39	650743.54	NA	NA	No	NA	DEEGERTY_020	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	4468.32	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
545	Turbine Delivery Route Option 3A	Limerick	13275	TDR 25m intervals	536029.27	650746.05	NA	NA	No	NA	DEEGERTY_020	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	4492.71	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
546	Turbine Delivery Route Option 3A	Limerick	13300	TDR 25m intervals	536054.17	650748.17	NA	NA	No	NA	DEEGERTY_020	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	4517.18	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
547	Turbine Delivery Route Option 3A	Limerick	13325	TDR 25m intervals	536079.14	650748.54	NA	NA	No	NA	DEEGERTY_020	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	4541.93	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
548	Turbine Delivery Route Option 3A	Limerick	13350	TDR 25m intervals	536104.14	650748.02	NA	NA	No	NA	DEEGERTY_020	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	4566.81	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
549	Turbine Delivery Route Option 3A	Limerick	13375	TDR 25m intervals	536129.13	650747.49	NA	NA	No	NA	DEEGERTY_020	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	4591.70	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
550	Turbine Delivery Route Option 3A	Limerick	13400	TDR 25m intervals	536154.11	650746.59	NA	NA	No	NA	DEEGERTY_020	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	4616.61	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
551	Turbine Delivery Route Option 3A	Limerick	13425	TDR 25m intervals	536179.06	650744.94	NA	NA	No	NA	DEEGERTY_020	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	4641.58	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
552	Turbine Delivery Route Option 3A	Limerick	13450	TDR 25m intervals	536203.93	650742.38	NA	NA	No	NA	DEEGERTY_020	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	4666.58	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
553	Turbine Delivery Route Option 3A	Limerick	13475	TDR 25m intervals	536228.80	650739.82	NA	NA	No	NA	DEEGERTY_020	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	4691.58	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
554	Turbine Delivery Route Option 3A	Limerick	13500	TDR 25m intervals	536253.65	650737.16	NA	NA	No	NA	DEEGERTY_020	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	4716.58	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
555	Turbine Delivery Route Option 3A	Limerick	13525	TDR 25m intervals	536278.49	650734.33	NA	NA	No	NA	DEEGERTY_020	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	4741.59	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
556	Turbine Delivery Route Option 3A	Limerick	13550	TDR 25m intervals	536303.33	650731.50	NA	NA	No	NA	DEEGERTY_020	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	4766.59	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
557	Turbine Delivery Route Option 3A	Limerick	13575	TDR 25m intervals	536328.17	650728.67	NA	NA	No	NA	DEEGERTY_020	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	4791.59	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer

Appendix 10.3 - Baseline Database -Turbine Delivery Route, Option 3A
Oatfield WF, Co. Clare

Project Ref. 604569
Prepared by: Cca / DW
Date: 17/11/2023
File Ref: 604569-Geo-R03-App10.3-(00)-Baseline Database -Turbine Delivery Route

	TDR		Assessment Location		Grid Coordinates (ITM)		Construction Details		Surface Water				Groundwater / Bedrock Aquifer						Groundwater / Wells / Abstraction		Designated Areas			Assessment Graphics / Comment	
Row No.	Turbine Delivery Route (TDR)	County	Location ID	Assessment Location Category	Easting	Northing	Type of Water Crossing / Construction Activity	Approximate Construction Depth (Excavation / Drilling) Depth Relative to Ground Level)	SW 50m Buffer	Receptor Category (Mapped river = EPA / WFD mapped)	River basins	Subcatchments	Aquifer Vulnerability	Potential Depth to Bedrock (acc. To GSI categories)	GW Aquifer Type	Excavation in or near Bedrock (In line with GSI mapped Aquifer Vulnerability)	Karst 25m buffer	Distance to Karst Feature	GW Abstraction 250m Buffer	Groundwater Source Protection Area NFGWS	SAC 50m Buffer	SPA 50m Buffer	Within SAC / SPA / NHA ?	Map Tile Number	Comments & MITIGATION MEASURES
					ITM	ITM		mbGL	50m										250m						
558	Turbine Delivery Route Option 3A	Limerick	13600	TDR 25m intervals	536353.02	650725.95	NA	NA	No	NA	DEEGERTY_020	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	4816.60	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
559	Turbine Delivery Route Option 3A	Limerick	13625	TDR 25m intervals	536377.88	650723.28	NA	NA	No	NA	DEEGERTY_020	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	4841.60	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
560	Turbine Delivery Route Option 3A	Limerick	13650	TDR 25m intervals	536402.74	650720.62	NA	NA	No	NA	DEEGERTY_020	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	4866.60	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
561	Turbine Delivery Route Option 3A	Limerick	13675	TDR 25m intervals	536427.60	650717.95	NA	NA	Yes	DEEGERTY_020	DEEGERTY_020	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	4891.60	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone Regionally Important Aquifer
562	Turbine Delivery Route Option 3A	Limerick	13700	TDR 25m intervals	536452.45	650715.29	NA	NA	Yes	DEEGERTY_020	DEEGERTY_020	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	4916.60	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone Regionally Important Aquifer
563	Turbine Delivery Route Option 3A	Limerick	13725	TDR 25m intervals	536477.31	650712.62	NA	NA	Yes	DEEGERTY_020	DEEGERTY_020	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	4941.61	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone Regionally Important Aquifer
564	Turbine Delivery Route Option 3A	Limerick		TDR_WCC_114	536481.16	650710.36	WCC	NA	Yes	DEEGERTY_020	DEEGERTY_020	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	4941.61	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone Regionally Important Aquifer
565	Turbine Delivery Route Option 3A	Limerick	13750	TDR 25m intervals	536502.17	650709.96	NA	NA	Yes	DEEGERTY_020	DEEGERTY_020	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	4966.61	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone Regionally Important Aquifer
566	Turbine Delivery Route Option 3A	Limerick	13775	TDR 25m intervals	536527.03	650707.29	NA	NA	Yes	DEEGERTY_020	DEEGERTY_020	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	4991.61	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone Regionally Important Aquifer
567	Turbine Delivery Route Option 3A	Limerick	13800	TDR 25m intervals	536551.88	650704.63	NA	NA	No	NA	DEEGERTY_020	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	5016.61	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
568	Turbine Delivery Route Option 3A	Limerick	13825	TDR 25m intervals	536576.83	650703.03	NA	NA	No	NA	DEEGERTY_020	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	5041.58	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
569	Turbine Delivery Route Option 3A	Limerick	13850	TDR 25m intervals	536601.79	650701.64	NA	NA	No	NA	DEEGERTY_020	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	5066.53	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
570	Turbine Delivery Route Option 3A	Limerick	13875	TDR 25m intervals	536626.75	650700.26	NA	NA	No	NA	DEEGERTY_020	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	5091.49	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
571	Turbine Delivery Route Option 3A	Limerick	13900	TDR 25m intervals	536651.71	650698.87	NA	NA	No	NA	DEEGERTY_020	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	5116.45	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
572	Turbine Delivery Route Option 3A	Limerick	13925	TDR 25m intervals	536676.70	650698.20	NA	NA	No	NA	DEEGERTY_020	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	5141.35	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
573	Turbine Delivery Route Option 3A	Limerick	13950	TDR 25m intervals	536701.70	650697.86	NA	NA	No	NA	DEEGERTY_020	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	5166.22	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
574	Turbine Delivery Route Option 3A	Limerick	13975	TDR 25m intervals	536726.64	650699.05	NA	NA	No	NA	DEEGERTY_020	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	5190.87	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
575	Turbine Delivery Route Option 3A	Limerick	14000	TDR 25m intervals	536751.56	650701.02	NA	NA	No	NA	DEEGERTY_020	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	5215.41	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
576	Turbine Delivery Route Option 3A	Limerick	14025	TDR 25m intervals	536776.49	650702.86	NA	NA	No	NA	DEEGERTY_020	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	5239.98	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
577	Turbine Delivery Route Option 3A	Limerick	14050	TDR 25m intervals	536801.42	650704.74	NA	NA	No	NA	DEEGERTY_020	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	5264.54	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
578	Turbine Delivery Route Option 3A	Limerick	14075	TDR 25m intervals	536826.32	650707.03	NA	NA	No	NA	DEEGERTY_020	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	5289.04	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
579	Turbine Delivery Route Option 3A	Limerick	14100	TDR 25m intervals	536851.05	650710.48	NA	NA	No	NA	DEEGERTY_020	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	5313.24	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
580	Turbine Delivery Route Option 3A	Limerick	14125	TDR 25m intervals	536875.59	650715.26	NA	NA	No	NA	DEEGERTY_020	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	5337.12	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
581	Turbine Delivery Route Option 3A	Limerick	14150	TDR 25m intervals	536900.10	650720.18	NA	NA	No	NA	DEEGERTY_020	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	5360.96	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
582	Turbine Delivery Route Option 3A	Limerick	14175	TDR 25m intervals	536924.50	650725.62	NA	NA	No	NA	DEEGERTY_020	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	5384.65	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
583	Turbine Delivery Route Option 3A	Limerick	14200	TDR 25m intervals	536948.90	650731.06	NA	NA	No	NA	DEEGERTY_020	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	5408.36	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
584	Turbine Delivery Route Option 3A	Limerick	14225	TDR 25m intervals	536972.78	650738.46	NA	NA	No	NA	DEEGERTY_020	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	5431.35	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
585	Turbine Delivery Route Option 3A	Limerick	14250	TDR 25m intervals	536996.65	650745.89	NA	NA	No	NA	DEEGERTY_020	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	5454.36	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
586	Turbine Delivery Route Option 3A	Limerick	14275	TDR 25m intervals	537020.52	650753.31	NA	NA	No	NA	DEEGERTY_020	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	5477.38	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
587	Turbine Delivery Route Option 3A	Limerick	14300	TDR 25m intervals	537044.39	650760.73	NA	NA	No	NA	DEEGERTY_020	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	5500.42	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
588	Turbine Delivery Route Option 3A	Limerick	14325	TDR 25m intervals	537068.26	650768.16	NA	NA	No	NA	DEEGERTY_020	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	5523.48	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
589	Turbine Delivery Route Option 3A	Limerick	14350	TDR 25m intervals	537092.35	650774.85	NA	NA	No	NA	DEEGERTY_020	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	5546.83	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
590	Turbine Delivery Route Option 3A	Limerick	14375	TDR 25m intervals	537116.61	650780.82	NA	NA	No	NA	DEEGERTY_010	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	5570.45	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
591	Turbine Delivery Route Option 3A	Limerick	14400	TDR 25m intervals	537141.16	650785.53	NA	NA	No	NA	DEEGERTY_010	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	5594.47	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
592	Turbine Delivery Route Option 3A	Limerick	14425	TDR 25m intervals	537166.05	650787.85	NA	NA	No	NA	DEEGERTY_010	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	5619.05	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
593	Turbine Delivery Route Option 3A	Limerick	14450	TDR 25m intervals	537190.97	650789.71	NA	NA	No	NA	DEEGERTY_010	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	5643.71	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
594	Turbine Delivery Route Option 3A	Limerick	14475	TDR 25m intervals	537215.95	650790.79	NA	NA	No	NA	DEEGERTY_010	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	5668.50	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
595	Turbine Delivery Route Option 3A	Limerick	14500	TDR 25m intervals	537240.93	650791.87	NA	NA	No	NA	DEEGERTY_010	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	5693.29	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
596	Turbine Delivery Route Option 3A	Limerick	14525	TDR 25m intervals	537265.91	650792.58	NA	NA	No	NA	DEEGERTY_010	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	5718.12	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
597	Turbine Delivery Route Option 3A	Limerick	14550	TDR 25m intervals	537290.91	650793.08	NA	NA	No	NA	DEEGERTY_010	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	5742.98	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
598	Turbine Delivery Route Option 3A	Limerick	14575	TDR 25m intervals	537315.90	650793.71	NA	NA	No	NA	DEEGERTY_010	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	5767.82	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
599	Turbine Delivery Route Option 3A	Limerick	14600	TDR 25m intervals	537340.82	650795.73	NA	NA	No	NA	DEEGERTY_010	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	5792.48	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
600	Turbine Delivery Route Option 3A	Limerick	14625	TDR 25m intervals	537365.40	650799.85	NA	NA	No	NA	DEEGERTY_010	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	5816.62	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer

Appendix 10.3 - Baseline Database -Turbine Delivery Route, Option 3A
Oatfield WF, Co. Clare

Project Ref. 604569
Prepared by: Cca / DW
Date: 17/11/2023
File Ref: 604569-Geo-R03-App10.3-(00)-Baseline Database -Turbine Delivery Route

	TDR		Assessment Location		Grid Coordinates (ITM)		Construction Details		Surface Water				Groundwater / Bedrock Aquifer						Groundwater / Wells / Abstraction		Designated Areas			Assessment Graphics / Comment	
Row No.	Turbine Delivery Route (TDR)	County	Location ID	Assessment Location Category	Easting	Northing	Type of Water Crossing / Construction Activity	Approximate Construction Depth (Excavation / Drilling) Depth Relative to Ground Level)	SW 50m Buffer	Receptor Category (Mapped river = EPA / WFD mapped)	River basins	Subcatchments	Aquifer Vulnerability	Potential Depth to Bedrock (acc. To GSI categories)	GW Aquifer Type	Excavation in or near Bedrock (In line with GSI mapped Aquifer Vulnerability)	Karst 25m buffer	Distance to Karst Feature	GW Abstraction 250m Buffer	Groundwater Source Protection Area NFGWS	SAC 50m Buffer	SPA 50m Buffer	Within SAC / SPA / NHA ?	Map Tile Number	Comments & MITIGATION MEASURES
					ITM	ITM		mbGL	50m										250m						
601	Turbine Delivery Route Option 3A	Limerick	14650	TDR 25m intervals	537389.33	650806.96	NA	NA	No	NA	DEEGERTY_010	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	5839.89	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
602	Turbine Delivery Route Option 3A	Limerick	14675	TDR 25m intervals	537412.44	650816.40	NA	NA	No	NA	DEEGERTY_010	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	5862.15	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
603	Turbine Delivery Route Option 3A	Limerick	14700	TDR 25m intervals	537434.99	650827.20	NA	NA	No	NA	DEEGERTY_010	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	5883.76	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
604	Turbine Delivery Route Option 3A	Limerick	14725	TDR 25m intervals	537457.53	650838.00	NA	NA	No	NA	DEEGERTY_010	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	5905.41	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
605	Turbine Delivery Route Option 3A	Limerick	14750	TDR 25m intervals	537480.08	650848.80	NA	NA	No	NA	DEEGERTY_010	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	5927.07	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
606	Turbine Delivery Route Option 3A	Limerick	14775	TDR 25m intervals	537502.63	650859.60	NA	NA	No	NA	DEEGERTY_010	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	5948.77	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
607	Turbine Delivery Route Option 3A	Limerick	14800	TDR 25m intervals	537525.17	650870.40	NA	NA	No	NA	DEEGERTY_010	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	5970.49	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
608	Turbine Delivery Route Option 3A	Limerick	14825	TDR 25m intervals	537547.72	650881.20	NA	NA	No	NA	DEEGERTY_010	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	5992.24	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
609	Turbine Delivery Route Option 3A	Limerick	14850	TDR 25m intervals	537570.27	650892.00	NA	NA	No	NA	DEEGERTY_010	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	6014.01	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
610	Turbine Delivery Route Option 3A	Limerick	14875	TDR 25m intervals	537592.82	650902.80	NA	NA	No	NA	DEEGERTY_010	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	6035.80	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
611	Turbine Delivery Route Option 3A	Limerick	14900	TDR 25m intervals	537615.36	650913.60	NA	NA	No	NA	DEEGERTY_010	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	6057.63	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
612	Turbine Delivery Route Option 3A	Limerick	14925	TDR 25m intervals	537637.91	650924.40	NA	NA	No	NA	DEEGERTY_010	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	6079.47	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
613	Turbine Delivery Route Option 3A	Limerick	14950	TDR 25m intervals	537660.46	650935.20	NA	NA	No	NA	DEEGERTY_010	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	6101.34	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
614	Turbine Delivery Route Option 3A	Limerick	14975	TDR 25m intervals	537683.00	650946.00	NA	NA	No	NA	DEEGERTY_010	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	6123.24	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
615	Turbine Delivery Route Option 3A	Limerick	15000	TDR 25m intervals	537705.55	650956.80	NA	NA	No	NA	DEEGERTY_010	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	6145.15	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
616	Turbine Delivery Route Option 3A	Limerick	15025	TDR 25m intervals	537728.10	650967.60	NA	NA	Yes	DEEGERTY_010	DEEGERTY_010	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	6167.09	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone Regionally Important Aquifer
617	Turbine Delivery Route Option 3A	Limerick	15050	TDR 25m intervals	537750.64	650978.40	NA	NA	Yes	DEEGERTY_010	DEEGERTY_010	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	6189.06	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone Regionally Important Aquifer
618	Turbine Delivery Route Option 3A	Limerick	15075	TDR 25m intervals	537773.19	650989.20	NA	NA	Yes	DEEGERTY_010	DEEGERTY_010	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	6211.05	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone Regionally Important Aquifer
619	Turbine Delivery Route Option 3A	Limerick		TDR_WCC_115	537783.38	650993.93	WCC	NA	Yes	DEEGERTY_010	DEEGERTY_010	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	6211.05	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone Regionally Important Aquifer
620	Turbine Delivery Route Option 3A	Limerick	15100	TDR 25m intervals	537795.74	651000.00	NA	NA	Yes	DEEGERTY_010	DEEGERTY_010	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	6233.06	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone Regionally Important Aquifer
621	Turbine Delivery Route Option 3A	Limerick	15125	TDR 25m intervals	537818.28	651010.80	NA	NA	Yes	DEEGERTY_010	DEEGERTY_010	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	6255.09	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone Regionally Important Aquifer
622	Turbine Delivery Route Option 3A	Limerick	15150	TDR 25m intervals	537840.83	651021.60	NA	NA	No	NA	DEEGERTY_010	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	6277.14	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
623	Turbine Delivery Route Option 3A	Limerick	15175	TDR 25m intervals	537863.38	651032.40	NA	NA	No	NA	DEEGERTY_010	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	6299.22	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
624	Turbine Delivery Route Option 3A	Limerick	15200	TDR 25m intervals	537885.92	651043.20	NA	NA	No	NA	DEEGERTY_010	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	6321.32	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
625	Turbine Delivery Route Option 3A	Limerick	15225	TDR 25m intervals	537908.47	651054.00	NA	NA	No	NA	DEEGERTY_010	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	6343.44	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
626	Turbine Delivery Route Option 3A	Limerick	15250	TDR 25m intervals	537931.02	651064.80	NA	NA	No	NA	DEEGERTY_010	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	6365.58	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
627	Turbine Delivery Route Option 3A	Limerick	15275	TDR 25m intervals	537953.56	651075.60	NA	NA	No	NA	DEEGERTY_010	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	6387.75	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
628	Turbine Delivery Route Option 3A	Limerick	15300	TDR 25m intervals	537976.11	651086.40	NA	NA	No	NA	DEEGERTY_010	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	6409.93	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
629	Turbine Delivery Route Option 3A	Limerick	15325	TDR 25m intervals	537998.66	651097.20	NA	NA	No	NA	DEEGERTY_010	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	6432.13	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
630	Turbine Delivery Route Option 3A	Limerick	15350	TDR 25m intervals	538021.20	651108.00	NA	NA	No	NA	DEEGERTY_010	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	6454.36	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
631	Turbine Delivery Route Option 3A	Limerick	15375	TDR 25m intervals	538043.75	651118.80	NA	NA	No	NA	DEEGERTY_010	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	6476.60	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
632	Turbine Delivery Route Option 3A	Limerick	15400	TDR 25m intervals	538066.30	651129.60	NA	NA	No	NA	DEEGERTY_010	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	6498.87	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
633	Turbine Delivery Route Option 3A	Limerick	15425	TDR 25m intervals	538088.84	651140.41	NA	NA	No	NA	DEEGERTY_010	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	6521.15	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
634	Turbine Delivery Route Option 3A	Limerick	15450	TDR 25m intervals	538111.35	651151.30	NA	NA	No	NA	DEEGERTY_010	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	6543.41	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
635	Turbine Delivery Route Option 3A	Limerick	15475	TDR 25m intervals	538134.19	651161.38	NA	NA	No	NA	DEEGERTY_010	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	6566.05	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
636	Turbine Delivery Route Option 3A	Limerick	15500	TDR 25m intervals	538157.66	651169.99	NA	NA	No	NA	DEEGERTY_010	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	6589.36	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
637	Turbine Delivery Route Option 3A	Limerick	15525	TDR 25m intervals	538180.67	651179.74	NA	NA	No	NA	DEEGERTY_010	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	6612.20	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
638	Turbine Delivery Route Option 3A	Limerick	15550	TDR 25m intervals	538204.37	651187.69	NA	NA	No	NA	DEEGERTY_010	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	6635.77	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
639	Turbine Delivery Route Option 3A	Limerick	15575	TDR 25m intervals	538228.09	651195.59	NA	NA	No	NA	DEEGERTY_010	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	6659.37	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
640	Turbine Delivery Route Option 3A	Limerick	15600	TDR 25m intervals	538251.81	651203.49	NA	NA	No	NA	DEEGERTY_010	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	6682.98	Yes	No	Askeaton Fen Complex SAC	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer Within Askeaton Fen Complex SAC Buffer
641	Turbine Delivery Route Option 3A	Limerick	15625	TDR 25m intervals	538275.53	651211.38	NA	NA	No	NA	DEEGERTY_010	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	6706.61	Yes	No	Askeaton Fen Complex SAC	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer Within Askeaton Fen Complex SAC Buffer

Appendix 10.3 - Baseline Database -Turbine Delivery Route, Option 3A
Oatfield WF, Co. Clare

Project Ref. 604569
Prepared by: Cca / DW
Date: 17/11/2023
File Ref: 604569-Geo-R03-App10.3-(00)-Baseline Database -Turbine Delivery Route

	TDR		Assessment Location		Grid Coordinates (ITM)		Construction Details		Surface Water				Groundwater / Bedrock Aquifer						Groundwater / Wells / Abstraction		Designated Areas			Assessment Graphics / Comment	
Row No.	Turbine Delivery Route (TDR)	County	Location ID	Assessment Location Category	Easting	Northing	Type of Water Crossing / Construction Activity	Approximate Construction Depth (Excavation / Drilling) Depth Relative to Ground Level)	SW 50m Buffer	Receptor Category (Mapped river = EPA / WFD mapped)	River basins	Subcatchments	Aquifer Vulnerability	Potential Depth to Bedrock (acc. To GSI categories)	GW Aquifer Type	Excavation in or near Bedrock (In line with GSI mapped Aquifer Vulnerability)	Karst 25m buffer	Distance to Karst Feature	GW Abstraction 250m Buffer	Groundwater Source Protection Area NFGWS	SAC 50m Buffer	SPA 50m Buffer	Within SAC / SPA / NHA ?	Map Tile Number	Comments & MITIGATION MEASURES
					ITM	ITM		mbGL	50m										250m						
642	Turbine Delivery Route Option 3A	Limerick	15650	TDR 25m intervals	538299.25	651219.28	NA	NA	No	NA	DEEGERTY_010	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	6730.24	Yes	No	Askeaton Fen Complex SAC	No	Askeaton Fen Complex SAC		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer Within Askeaton Fen Complex SAC
643	Turbine Delivery Route Option 3A	Limerick	15675	TDR 25m intervals	538322.97	651227.18	NA	NA	No	NA	DEEGERTY_010	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	6753.88	Yes	No	Askeaton Fen Complex SAC	No	Askeaton Fen Complex SAC		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer Within Askeaton Fen Complex SAC
644	Turbine Delivery Route Option 3A	Limerick	15700	TDR 25m intervals	538346.69	651235.07	NA	NA	No	NA	DEEGERTY_010	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	6777.54	Yes	No	Askeaton Fen Complex SAC	No	Askeaton Fen Complex SAC		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer Within Askeaton Fen Complex SAC
645	Turbine Delivery Route Option 3A	Limerick	15725	TDR 25m intervals	538370.41	651242.97	NA	NA	No	NA	DEEGERTY_010	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	6801.20	Yes	No	Askeaton Fen Complex SAC	No	Askeaton Fen Complex SAC		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer Within Askeaton Fen Complex SAC
646	Turbine Delivery Route Option 3A	Limerick	15750	TDR 25m intervals	538394.13	651250.86	NA	NA	Yes	DEEGERTY_010	DEEGERTY_010	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	6824.87	Yes	No	Askeaton Fen Complex SAC	No	Askeaton Fen Complex SAC		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone Regionally Important Aquifer Within Askeaton Fen Complex SAC
647	Turbine Delivery Route Option 3A	Limerick	15775	TDR 25m intervals	538417.85	651258.76	NA	NA	Yes	DEEGERTY_010	DEEGERTY_010	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	6848.55	Yes	No	Askeaton Fen Complex SAC	No	Askeaton Fen Complex SAC		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone Regionally Important Aquifer Within Askeaton Fen Complex SAC
648	Turbine Delivery Route Option 3A	Limerick		TDR_WCC_116	538439.57	651267.73	WCC	NA	Yes	DEEGERTY_010	DEEGERTY_010	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	6848.55	Yes	No	Askeaton Fen Complex SAC	No	Askeaton Fen Complex SAC		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone Regionally Important Aquifer Within Askeaton Fen Complex SAC
649	Turbine Delivery Route Option 3A	Limerick	15800	TDR 25m intervals	538441.57	651266.66	NA	NA	Yes	DEEGERTY_010	DEEGERTY_010	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	6872.24	No	No	Askeaton Fen Complex SAC	No	Askeaton Fen Complex SAC		ELEVATED RISK Within SW Buffer Zone Regionally Important Aquifer Within Askeaton Fen Complex SAC
650	Turbine Delivery Route Option 3A	Limerick	15825	TDR 25m intervals	538465.29	651274.55	NA	NA	Yes	DEEGERTY_010	DEEGERTY_010	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	6895.94	No	No	Askeaton Fen Complex SAC	No	No		ELEVATED RISK Within SW Buffer Zone Regionally Important Aquifer Within Askeaton Fen Complex SAC Buffer
651	Turbine Delivery Route Option 3A	Limerick	15850	TDR 25m intervals	538489.01	651282.45	NA	NA	Yes	DEEGERTY_010	DEEGERTY_010	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	6919.65	No	No	Askeaton Fen Complex SAC	No	No		ELEVATED RISK Within SW Buffer Zone Regionally Important Aquifer Within Askeaton Fen Complex SAC Buffer
652	Turbine Delivery Route Option 3A	Limerick	15875	TDR 25m intervals	538512.73	651290.35	NA	NA	No	NA	DEEGERTY_010	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	6943.37	No	No	Askeaton Fen Complex SAC	No	No		ELEVATED RISK Regionally Important Aquifer Within Askeaton Fen Complex SAC Buffer
653	Turbine Delivery Route Option 3A	Limerick	15900	TDR 25m intervals	538536.45	651298.24	NA	NA	No	NA	DEEGERTY_010	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	6967.10	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
654	Turbine Delivery Route Option 3A	Limerick	15925	TDR 25m intervals	538560.18	651306.14	NA	NA	No	NA	DEEGERTY_010	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	6990.83	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
655	Turbine Delivery Route Option 3A	Limerick	15950	TDR 25m intervals	538583.77	651314.40	NA	NA	No	NA	DEEGERTY_010	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	7014.46	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
656	Turbine Delivery Route Option 3A	Limerick	15975	TDR 25m intervals	538607.36	651322.68	NA	NA	No	NA	DEEGERTY_010	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	7038.08	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
657	Turbine Delivery Route Option 3A	Limerick	16000	TDR 25m intervals	538630.95	651330.97	NA	NA	No	NA	DEEGERTY_010	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	7061.71	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
658	Turbine Delivery Route Option 3A	Limerick	16025	TDR 25m intervals	538654.31	651339.86	NA	NA	No	NA	DEEGERTY_010	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	7085.14	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
659	Turbine Delivery Route Option 3A	Limerick	16050	TDR 25m intervals	538677.65	651348.81	NA	NA	No	NA	DEEGERTY_010	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	7108.55	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
660	Turbine Delivery Route Option 3A	Limerick	16075	TDR 25m intervals	538700.99	651357.77	NA	NA	No	NA	DEEGERTY_010	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	7131.97	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
661	Turbine Delivery Route Option 3A	Limerick	16100	TDR 25m intervals	538724.34	651366.71	NA	NA	No	NA	DEEGERTY_010	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	7155.41	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
662	Turbine Delivery Route Option 3A	Limerick	16125	TDR 25m intervals	538747.71	651375.60	NA	NA	No	NA	DEEGERTY_010	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	7178.88	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
663	Turbine Delivery Route Option 3A	Limerick	16150	TDR 25m intervals	538771.08	651384.48	NA	NA	No	NA	DEEGERTY_010	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	7202.36	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
664	Turbine Delivery Route Option 3A	Limerick	16175	TDR 25m intervals	538794.68	651392.70	NA	NA	No	NA	DEEGERTY_010	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	7226.07	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
665	Turbine Delivery Route Option 3A	Limerick	16200	TDR 25m intervals	538818.40	651400.61	NA	NA	No	NA	DEEGERTY_010	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	7249.91	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
666	Turbine Delivery Route Option 3A	Limerick	16225	TDR 25m intervals	538842.56	651406.97	NA	NA	No	NA	DEEGERTY_010	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	7274.17	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
667	Turbine Delivery Route Option 3A	Limerick	16250	TDR 25m intervals	538866.81	651413.05	NA	NA	No	NA	DEEGERTY_010	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	7298.52	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
668	Turbine Delivery Route Option 3A	Limerick	16275	TDR 25m intervals	538891.06	651419.13	NA	NA	No	NA	DEEGERTY_010	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	7322.88	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
669	Turbine Delivery Route Option 3A	Limerick	16300	TDR 25m intervals	538915.61	651423.88	NA	NA	No	NA	DEEGERTY_010	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	7347.51	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
670	Turbine Delivery Route Option 3A	Limerick	16325	TDR 25m intervals	538940.16	651428.59	NA	NA	No	NA	DROMLOHAN_010	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	7372.14	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
671	Turbine Delivery Route Option 3A	Limerick	16350	TDR 25m intervals	538964.81	651432.75	NA	NA	No	NA	DROMLOHAN_010	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	7396.87	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
672	Turbine Delivery Route Option 3A	Limerick	16375	TDR 25m intervals	538989.47	651436.86	NA	NA	No	NA	DROMLOHAN_010	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	7421.61	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
673	Turbine Delivery Route Option 3A	Limerick	16400	TDR 25m intervals	539014.13	651440.98	NA	NA	No	NA	DROMLOHAN_010	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	7446.35	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
674	Turbine Delivery Route Option 3A	Limerick	16425	TDR 25m intervals	539038.79	651445.09	NA	NA	No	NA	DROMLOHAN_010	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	7471.09	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
675	Turbine Delivery Route Option 3A	Limerick	16450	TDR 25m intervals	539063.44	651449.22	NA	NA	No	NA	DROMLOHAN_010	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	7495.83	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
676	Turbine Delivery Route Option 3A	Limerick	16475	TDR 25m intervals	539088.10	651453.36	NA	NA	No	NA	DROMLOHAN_010	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	7520.57	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
677	Turbine Delivery Route Option 3A	Limerick	16500	TDR 25m intervals	539112.75	651457.50	NA	NA	No	NA	DROMLOHAN_010	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	7545.32	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
678	Turbine Delivery Route Option 3A	Limerick	16525	TDR 25m intervals	539137.41	651461.63	NA	NA	No	NA	DROMLOHAN_010	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	7570.06	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
679	Turbine Delivery Route Option 3A	Limerick	16550	TDR 25m intervals	539162.07	651465.76	NA	NA	No	NA	DROMLOHAN_010	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	7594.81	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
680	Turbine Delivery Route Option 3A	Limerick	16575	TDR 25m intervals	539186.75	651469.75	NA	NA	No	NA	DROMLOHAN_010	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	7619.58	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
681	Turbine Delivery Route Option 3A	Limerick	16600	TDR 25m intervals	539211.42	651473.75	NA	NA	No	NA	DROMLOHAN_010	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	7644.35	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
682	Turbine Delivery Route Option 3A	Limerick	16625	TDR 25m intervals	539236.10	651477.74	NA	NA	No	NA	DROMLOHAN_010	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	7669.12	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
683	Turbine Delivery Route Option 3A	Limerick	16650	TDR 25m intervals	539260.78	651481.74	NA	NA	No	NA	DROMLOHAN_010	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	7693.89	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
684	Turbine Delivery Route Option 3A	Limerick	16675	TDR 25m intervals	539285.35	651486.33	NA	NA	No	NA	DROMLOHAN_010	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	7718.57	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
685	Turbine Delivery Route Option 3A	Limerick	16700	TDR 25m intervals	539309.77	651491.68	NA	NA	No	NA	DROMLOHAN_010	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	7743.12	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
686	Turbine Delivery Route Option 3A	Limerick	16725	TDR 25m intervals	539334.19	651497.03	NA	NA	Yes	DROMLOHAN_010	DROMLOHAN_010	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	7767.68	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone Regionally Important Aquifer
687	Turbine Delivery Route Option 3A	Limerick		TDR_WCC_117	539370.73	651502.08	WCC	NA	Yes	DROMLOHAN_010	DROMLOHAN_010	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	7767.68	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone Regionally Important Aquifer

Appendix 10.3 - Baseline Database -Turbine Delivery Route, Option 3A
Oatfield WF, Co. Clare

Project Ref. 604569
Prepared by: Cca / DW
Date: 17/11/2023
File Ref: 604569-Geo-R03-App10.3-(00)-Baseline Database -Turbine Delivery Route

	TDR		Assessment Location		Grid Coordinates (ITM)		Construction Details		Surface Water				Groundwater / Bedrock Aquifer						Groundwater / Wells / Abstraction		Designated Areas			Assessment Graphics / Comment	
Row No.	Turbine Delivery Route (TDR)	County	Location ID	Assessment Location Category	Easting	Northing	Type of Water Crossing / Construction Activity	Approximate Construction Depth (Excavation / Drilling) Depth Relative to Ground Level)	SW 50m Buffer	Receptor Category (Mapped river = EPA / WFD mapped)	River basins	Subcatchments	Aquifer Vulnerability	Potential Depth to Bedrock (acc. To GSI categories)	GW Aquifer Type	Excavation in or near Bedrock (In line with GSI mapped Aquifer Vulnerability)	Karst 25m buffer	Distance to Karst Feature	GW Abstraction 250m Buffer	Groundwater Source Protection Area NFGWS	SAC 50m Buffer	SPA 50m Buffer	Within SAC / SPA / NHA ?	Map Tile Number	Comments & MITIGATION MEASURES
					ITM	ITM		mbGL	50m										250m						
688	Turbine Delivery Route Option 3A	Limerick	16750	TDR 25m intervals	539358.61	651502.39	NA	NA	Yes	DROMLOHAN_010	DROMLOHAN_010	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	7792.24	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone Regionally Important Aquifer
689	Turbine Delivery Route Option 3A	Limerick	16775	TDR 25m intervals	539383.03	651507.74	NA	NA	Yes	DROMLOHAN_010	DROMLOHAN_010	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	7816.80	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone Regionally Important Aquifer
690	Turbine Delivery Route Option 3A	Limerick	16800	TDR 25m intervals	539407.45	651513.09	NA	NA	Yes	DROMLOHAN_010	DROMLOHAN_010	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	7841.36	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone Regionally Important Aquifer
691	Turbine Delivery Route Option 3A	Limerick	16825	TDR 25m intervals	539431.74	651518.98	NA	NA	No	NA	DROMLOHAN_010	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	7865.82	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
692	Turbine Delivery Route Option 3A	Limerick	16850	TDR 25m intervals	539456.01	651525.00	NA	NA	No	NA	DROMLOHAN_010	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	7890.25	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
693	Turbine Delivery Route Option 3A	Limerick	16875	TDR 25m intervals	539480.25	651531.11	NA	NA	No	NA	DROMLOHAN_010	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	7914.67	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
694	Turbine Delivery Route Option 3A	Limerick	16900	TDR 25m intervals	539504.29	651537.97	NA	NA	No	NA	DROMLOHAN_010	Deel[Newcastlewest]_SC_05	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	7938.91	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
695	Turbine Delivery Route Option 3A	Limerick	16925	TDR 25m intervals	539528.33	651544.82	NA	NA	No	NA	DROMLOHAN_010	Deel[Newcastlewest]_SC_05	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	7963.16	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
696	Turbine Delivery Route Option 3A	Limerick	16950	TDR 25m intervals	539552.31	651551.89	NA	NA	No	NA	DROMLOHAN_010	Deel[Newcastlewest]_SC_05	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	7987.36	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
697	Turbine Delivery Route Option 3A	Limerick	16975	TDR 25m intervals	539576.21	651559.21	NA	NA	No	NA	DROMLOHAN_010	Deel[Newcastlewest]_SC_05	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	8011.50	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
698	Turbine Delivery Route Option 3A	Limerick	17000	TDR 25m intervals	539600.09	651566.61	NA	NA	No	NA	DROMLOHAN_010	Deel[Newcastlewest]_SC_05	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	8035.62	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
699	Turbine Delivery Route Option 3A	Limerick	17025	TDR 25m intervals	539623.81	651574.52	NA	NA	No	NA	DROMLOHAN_010	Deel[Newcastlewest]_SC_05	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	8059.60	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
700	Turbine Delivery Route Option 3A	Limerick	17050	TDR 25m intervals	539647.53	651582.42	NA	NA	No	NA	DROMLOHAN_010	Deel[Newcastlewest]_SC_05	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	8083.59	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
701	Turbine Delivery Route Option 3A	Limerick	17075	TDR 25m intervals	539671.25	651590.32	NA	NA	No	NA	DROMLOHAN_010	Deel[Newcastlewest]_SC_05	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	8107.58	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
702	Turbine Delivery Route Option 3A	Limerick	17100	TDR 25m intervals	539694.97	651598.22	NA	NA	No	NA	DROMLOHAN_010	Deel[Newcastlewest]_SC_05	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	8131.58	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
703	Turbine Delivery Route Option 3A	Limerick	17125	TDR 25m intervals	539718.68	651606.12	NA	NA	No	NA	DROMLOHAN_010	Deel[Newcastlewest]_SC_05	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	8155.59	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
704	Turbine Delivery Route Option 3A	Limerick	17150	TDR 25m intervals	539742.40	651614.02	NA	NA	No	NA	DROMLOHAN_010	Deel[Newcastlewest]_SC_05	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	8179.60	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
705	Turbine Delivery Route Option 3A	Limerick	17175	TDR 25m intervals	539765.42	651623.73	NA	NA	No	NA	DROMLOHAN_010	Deel[Newcastlewest]_SC_05	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	8203.00	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
706	Turbine Delivery Route Option 3A	Limerick	17200	TDR 25m intervals	539788.30	651633.81	NA	NA	No	NA	DROMLOHAN_010	Deel[Newcastlewest]_SC_05	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	8226.27	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
707	Turbine Delivery Route Option 3A	Limerick	17225	TDR 25m intervals	539810.39	651645.48	NA	NA	No	NA	DROMLOHAN_010	Deel[Newcastlewest]_SC_05	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	8248.84	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
708	Turbine Delivery Route Option 3A	Limerick	17250	TDR 25m intervals	539830.89	651659.61	NA	NA	No	NA	DROMLOHAN_010	Deel[Newcastlewest]_SC_05	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	8269.94	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
709	Turbine Delivery Route Option 3A	Limerick	17275	TDR 25m intervals	539850.20	651675.49	NA	NA	No	NA	DROMLOHAN_010	Deel[Newcastlewest]_SC_05	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	8289.96	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
710	Turbine Delivery Route Option 3A	Limerick	17300	TDR 25m intervals	539869.51	651691.37	NA	NA	No	NA	DROMLOHAN_010	Deel[Newcastlewest]_SC_05	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	8310.00	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
711	Turbine Delivery Route Option 3A	Limerick	17325	TDR 25m intervals	539888.82	651707.24	NA	NA	No	NA	DROMLOHAN_010	Deel[Newcastlewest]_SC_05	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	8330.07	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
712	Turbine Delivery Route Option 3A	Limerick	17350	TDR 25m intervals	539908.13	651723.12	NA	NA	No	NA	GREANAGH_010	Greanagh_SC_010	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	8350.17	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
713	Turbine Delivery Route Option 3A	Limerick	17375	TDR 25m intervals	539927.60	651738.81	NA	NA	No	NA	GREANAGH_010	Greanagh_SC_010	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	8370.43	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
714	Turbine Delivery Route Option 3A	Limerick	17400	TDR 25m intervals	539947.13	651754.41	NA	NA	No	NA	GREANAGH_010	Greanagh_SC_010	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	8390.79	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
715	Turbine Delivery Route Option 3A	Limerick	17425	TDR 25m intervals	539966.67	651770.01	NA	NA	No	NA	DROMLOHAN_010	Deel[Newcastlewest]_SC_05	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	8411.18	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
716	Turbine Delivery Route Option 3A	Limerick	17450	TDR 25m intervals	539986.21	651785.60	NA	NA	No	NA	DROMLOHAN_010	Deel[Newcastlewest]_SC_05	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	8431.59	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
717	Turbine Delivery Route Option 3A	Limerick	17475	TDR 25m intervals	540005.39	651801.63	NA	NA	No	NA	DROMLOHAN_010	Deel[Newcastlewest]_SC_05	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	8451.69	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
718	Turbine Delivery Route Option 3A	Limerick	17500	TDR 25m intervals	540024.37	651817.91	NA	NA	No	NA	DROMLOHAN_010	Deel[Newcastlewest]_SC_05	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	8471.64	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
719	Turbine Delivery Route Option 3A	Limerick	17525	TDR 25m intervals	540042.89	651834.68	NA	NA	No	NA	DROMLOHAN_010	Deel[Newcastlewest]_SC_05	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	8491.18	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
720	Turbine Delivery Route Option 3A	Limerick	17550	TDR 25m intervals	540060.57	651852.35	NA	NA	No	NA	DROMLOHAN_010	Deel[Newcastlewest]_SC_05	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	8509.98	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
721	Turbine Delivery Route Option 3A	Limerick	17575	TDR 25m intervals	540077.72	651870.50	NA	NA	No	NA	DROMLOHAN_010	Deel[Newcastlewest]_SC_05	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	8528.31	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
722	Turbine Delivery Route Option 3A	Limerick	17600	TDR 25m intervals	540093.64	651889.78	NA	NA	No	NA	DROMLOHAN_010	Deel[Newcastlewest]_SC_05	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	8545.52	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
723	Turbine Delivery Route Option 3A	Limerick	17625	TDR 25m intervals	540109.56	651909.06	NA	NA	No	NA	DROMLOHAN_010	Deel[Newcastlewest]_SC_05	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	8562.78	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
724	Turbine Delivery Route Option 3A	Limerick	17650	TDR 25m intervals	540124.82	651928.85	NA	NA	No	NA	DROMLOHAN_010	Deel[Newcastlewest]_SC_05	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	8579.45	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
725	Turbine Delivery Route Option 3A	Limerick	17675	TDR 25m intervals	540139.91	651948.79	NA	NA	No	NA	DROMLOHAN_010	Deel[Newcastlewest]_SC_05	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	8596.01	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
726	Turbine Delivery Route Option 3A	Limerick	17700	TDR 25m intervals	540155.00	651968.72	NA	NA	No	NA	DROMLOHAN_010	Deel[Newcastlewest]_SC_05	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	8612.60	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
727	Turbine Delivery Route Option 3A	Limerick	17725	TDR 25m intervals	540170.36	651988.44	NA	NA	No	NA	DROMLOHAN_010	Deel[Newcastlewest]_SC_05	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	8629.49	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
728	Turbine Delivery Route Option 3A	Limerick	17750	TDR 25m intervals	540185.90	652008.03	NA	NA	No	NA	DROMLOHAN_010	Deel[Newcastlewest]_SC_05	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	8646.58	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
729	Turbine Delivery Route Option 3A	Limerick	17775	TDR 25m intervals	540201.43	652027.61	NA	NA	No	NA	DROMLOHAN_010	Deel[Newcastlewest]_SC_05	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	8663.71	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
730	Turbine Delivery Route Option 3A	Limerick	17800	TDR 25m intervals	540217.37	652046.87	NA	NA	No	NA	DROMLOHAN_010	Deel[Newcastlewest]_SC_05	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	8681.25	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
731	Turbine Delivery Route Option 3A	Limerick	17825	TDR 25m intervals	540233.35	652066.10	NA	NA	No	NA	DROMLOHAN_010	Deel[Newcastlewest]_SC_05	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	8698.86	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
732	Turbine Delivery Route Option 3A	Limerick	17850	TDR 25m intervals	540249.60	652085.10	NA	NA	No	NA	DROMLOHAN_010	Deel[Newcastlewest]_SC_05	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	8716.76	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
733	Turbine Delivery Route Option 3A	Limerick	17875	TDR 25m intervals	540265.97	652103.99	NA	NA	No	NA	DROMLOHAN_010	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	8734.80	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
734	Turbine Delivery Route Option 3A	Limerick	17900	TDR 25m intervals	540282.43	652122.81	NA	NA	No	NA	DROMLOHAN_010	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	8752.96	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
735	Turbine Delivery Route Option 3A	Limerick	17925	TDR 25m intervals	540298.89	652141.62	NA	NA	No	NA	DROMLOHAN_010	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	8771.16	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
736	Turbine Delivery Route Option 3A	Limerick	17950	TDR 25m intervals	540315.36	652160.43	NA	NA	No	NA	DROMLOHAN_010	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	8789.40	Yes	No	Curraghchase Woods SAC	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer Within Curraghchase Woods SAC Buffer
737	Turbine Delivery Route Option 3A	Limerick	17975	TDR 25m intervals	540332.02	652179.07	NA	NA	No	NA	DROMLOHAN_010	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	8807.84	Yes	No	Curraghchase Woods SAC	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer Within Curraghchase Woods SAC Buffer
738	Turbine Delivery Route Option 3A	Limerick	18000	TDR 25m intervals	540348.72	652197.68	NA	NA	No	NA	DROMLOHAN_010	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	8826.34	No	No	Curraghchase Woods SAC	No	No		ELEVATED RISK Regionally Important Aquifer Within Curraghchase Woods SAC Buffer
739	Turbine Delivery Route Option 3A	Limerick	18025	TDR 25m intervals	540365.55	652216.16	NA	NA	No	NA	DROMLOHAN_010	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	8845.00	No	No	Curraghchase Woods SAC	No	No		ELEVATED RISK Regionally Important Aquifer Within Curraghchase Woods SAC Buffer

Appendix 10.3 - Baseline Database -Turbine Delivery Route, Option 3A
Oatfield WF, Co. Clare

Project Ref. 604569
Prepared by: Cca / DW
Date: 17/11/2023
File Ref: 604569-Geo-R03-App10.3-(00)-Baseline Database -Turbine Delivery Route

	TDR		Assessment Location		Grid Coordinates (ITM)		Construction Details		Surface Water				Groundwater / Bedrock Aquifer						Groundwater / Wells / Abstraction		Designated Areas			Assessment Graphics / Comment	
Row No.	Turbine Delivery Route (TDR)	County	Location ID	Assessment Location Category	Easting	Northing	Type of Water Crossing / Construction Activity	Approximate Construction Depth (Excavation / Drilling) Depth Relative to Ground Level)	SW 50m Buffer	Receptor Category (Mapped river = EPA / WFD mapped)	River basins	Subcatchments	Aquifer Vulnerability	Potential Depth to Bedrock (acc. To GSI categories)	GW Aquifer Type	Excavation in or near Bedrock (In line with GSI mapped Aquifer Vulnerability)	Karst 25m buffer	Distance to Karst Feature	GW Abstraction 250m Buffer	Groundwater Source Protection Area NFGWS	SAC 50m Buffer	SPA 50m Buffer	Within SAC / SPA / NHA ?	Map Tile Number	Comments & MITIGATION MEASURES
					ITM	ITM		mbGL	50m										250m						
740	Turbine Delivery Route Option 3A	Limerick	18050	TDR 25m intervals	540382.90	652234.16	NA	NA	No	NA	DROMLOHAN_010	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	8864.16	No	No	Curraghchase Woods SAC	No	No		ELEVATED RISK Regionally Important Aquifer Within Curraghchase Woods SAC Buffer
741	Turbine Delivery Route Option 3A	Limerick	18075	TDR 25m intervals	540400.84	652251.50	NA	NA	No	NA	DROMLOHAN_010	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	8883.86	No	No	Curraghchase Woods SAC	No	No		ELEVATED RISK Regionally Important Aquifer Within Curraghchase Woods SAC Buffer
742	Turbine Delivery Route Option 3A	Limerick	18100	TDR 25m intervals	540421.11	652266.07	NA	NA	No	NA	DROMLOHAN_010	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	8905.60	No	No	Curraghchase Woods SAC	No	No		ELEVATED RISK Regionally Important Aquifer Within Curraghchase Woods SAC Buffer
743	Turbine Delivery Route Option 3A	Limerick	18125	TDR 25m intervals	540442.99	652277.96	NA	NA	No	NA	DROMLOHAN_010	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	8928.66	No	No	Curraghchase Woods SAC	No	No		ELEVATED RISK Regionally Important Aquifer Within Curraghchase Woods SAC Buffer
744	Turbine Delivery Route Option 3A	Limerick	18150	TDR 25m intervals	540466.74	652285.78	NA	NA	No	NA	DROMLOHAN_010	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	8953.13	No	No	Curraghchase Woods SAC	No	No		ELEVATED RISK Regionally Important Aquifer Within Curraghchase Woods SAC Buffer
745	Turbine Delivery Route Option 3A	Limerick	18175	TDR 25m intervals	540491.36	652290.08	NA	NA	No	NA	DROMLOHAN_010	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	8978.08	No	No	Curraghchase Woods SAC	No	No		ELEVATED RISK Regionally Important Aquifer Within Curraghchase Woods SAC Buffer
746	Turbine Delivery Route Option 3A	Limerick	18200	TDR 25m intervals	540516.28	652291.98	NA	NA	No	NA	DROMLOHAN_010	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	9003.06	No	No	Curraghchase Woods SAC	No	No		ELEVATED RISK Regionally Important Aquifer Within Curraghchase Woods SAC Buffer
747	Turbine Delivery Route Option 3A	Limerick	18225	TDR 25m intervals	540541.22	652293.68	NA	NA	No	NA	DROMLOHAN_010	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	9028.04	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
748	Turbine Delivery Route Option 3A	Limerick	18250	TDR 25m intervals	540566.17	652295.33	NA	NA	No	NA	DROMLOHAN_010	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	9053.02	No	No	Curraghchase Woods SAC	No	No		ELEVATED RISK Regionally Important Aquifer Within Curraghchase Woods SAC Buffer
749	Turbine Delivery Route Option 3A	Limerick	18275	TDR 25m intervals	540591.13	652296.76	NA	NA	No	NA	DROMLOHAN_010	Deel[Newcastlewest]_SC_05	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	9077.99	No	No	Curraghchase Woods SAC	No	No		ELEVATED RISK Regionally Important Aquifer Within Curraghchase Woods SAC Buffer
750	Turbine Delivery Route Option 3A	Limerick	18300	TDR 25m intervals	540616.09	652298.19	NA	NA	No	NA	DROMLOHAN_010	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	9102.95	No	No	Curraghchase Woods SAC	No	No		ELEVATED RISK Regionally Important Aquifer Within Curraghchase Woods SAC Buffer
751	Turbine Delivery Route Option 3A	Limerick	18325	TDR 25m intervals	540641.04	652299.62	NA	NA	No	NA	DROMLOHAN_010	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	9127.92	No	No	Curraghchase Woods SAC	No	No		ELEVATED RISK Regionally Important Aquifer Within Curraghchase Woods SAC Buffer
752	Turbine Delivery Route Option 3A	Limerick	18350	TDR 25m intervals	540666.00	652301.04	NA	NA	No	NA	DROMLOHAN_010	Deel[Newcastlewest]_SC_05	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	9152.89	No	No	Curraghchase Woods SAC	No	No		ELEVATED RISK Regionally Important Aquifer Within Curraghchase Woods SAC Buffer
753	Turbine Delivery Route Option 3A	Limerick	18375	TDR 25m intervals	540690.96	652302.47	NA	NA	No	NA	DROMLOHAN_010	Deel[Newcastlewest]_SC_05	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	9177.86	No	No	Curraghchase Woods SAC	No	No		ELEVATED RISK Regionally Important Aquifer Within Curraghchase Woods SAC Buffer
754	Turbine Delivery Route Option 3A	Limerick	18400	TDR 25m intervals	540715.94	652303.44	NA	NA	No	NA	DROMLOHAN_010	Deel[Newcastlewest]_SC_05	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	9202.79	No	No	Curraghchase Woods SAC	No	No		ELEVATED RISK Regionally Important Aquifer Within Curraghchase Woods SAC Buffer
755	Turbine Delivery Route Option 3A	Limerick	18425	TDR 25m intervals	540740.93	652304.28	NA	NA	No	NA	DROMLOHAN_010	Deel[Newcastlewest]_SC_05	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	9227.72	No	No	Curraghchase Woods SAC	No	No		ELEVATED RISK Regionally Important Aquifer Within Curraghchase Woods SAC Buffer
756	Turbine Delivery Route Option 3A	Limerick	18450	TDR 25m intervals	540765.91	652305.13	NA	NA	No	NA	DROMLOHAN_010	Deel[Newcastlewest]_SC_05	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	9252.66	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
757	Turbine Delivery Route Option 3A	Limerick	18475	TDR 25m intervals	540790.90	652305.97	NA	NA	No	NA	DROMLOHAN_010	Deel[Newcastlewest]_SC_05	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	9277.59	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
758	Turbine Delivery Route Option 3A	Limerick	18500	TDR 25m intervals	540815.82	652307.89	NA	NA	No	NA	DROMLOHAN_010	Deel[Newcastlewest]_SC_05	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	9302.57	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
759	Turbine Delivery Route Option 3A	Limerick	18525	TDR 25m intervals	540840.73	652310.07	NA	NA	No	NA	DROMLOHAN_010	Deel[Newcastlewest]_SC_05	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	9327.57	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
760	Turbine Delivery Route Option 3A	Limerick	18550	TDR 25m intervals	540865.57	652312.86	NA	NA	No	NA	DROMLOHAN_010	Deel[Newcastlewest]_SC_05	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	9352.57	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
761	Turbine Delivery Route Option 3A	Limerick	18575	TDR 25m intervals	540890.40	652315.72	NA	NA	No	NA	DROMLOHAN_010	Deel[Newcastlewest]_SC_05	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	9377.57	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
762	Turbine Delivery Route Option 3A	Limerick	18600	TDR 25m intervals	540915.13	652319.39	NA	NA	No	NA	DROMLOHAN_010	Deel[Newcastlewest]_SC_05	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	9402.56	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
763	Turbine Delivery Route Option 3A	Limerick	18625	TDR 25m intervals	540939.84	652323.19	NA	NA	No	NA	DROMLOHAN_010	Deel[Newcastlewest]_SC_05	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	9427.54	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
764	Turbine Delivery Route Option 3A	Limerick	18650	TDR 25m intervals	540964.55	652326.98	NA	NA	No	NA	DROMLOHAN_010	Deel[Newcastlewest]_SC_05	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	9452.52	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
765	Turbine Delivery Route Option 3A	Limerick	18675	TDR 25m intervals	540989.26	652330.77	NA	NA	No	NA	DROMLOHAN_010	Deel[Newcastlewest]_SC_05	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	9477.50	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
766	Turbine Delivery Route Option 3A	Limerick	18700	TDR 25m intervals	541013.97	652334.56	NA	NA	No	NA	DROMLOHAN_010	Deel[Newcastlewest]_SC_05	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	9502.48	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
767	Turbine Delivery Route Option 3A	Limerick	18725	TDR 25m intervals	541038.62	652338.77	NA	NA	No	NA	DROMLOHAN_010	Deel[Newcastlewest]_SC_05	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	9527.44	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
768	Turbine Delivery Route Option 3A	Limerick	18750	TDR 25m intervals	541063.25	652343.02	NA	NA	No	NA	DROMLOHAN_010	Deel[Newcastlewest]_SC_05	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	9552.40	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
769	Turbine Delivery Route Option 3A	Limerick	18775	TDR 25m intervals	541087.89	652347.27	NA	NA	No	NA	DROMLOHAN_010	Deel[Newcastlewest]_SC_05	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	9577.36	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
770	Turbine Delivery Route Option 3A	Limerick	18800	TDR 25m intervals	541112.53	652351.52	NA	NA	No	NA	DROMLOHAN_010	Deel[Newcastlewest]_SC_05	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	9602.31	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
771	Turbine Delivery Route Option 3A	Limerick	18825	TDR 25m intervals	541137.16	652355.76	NA	NA	No	NA	DROMLOHAN_010	Deel[Newcastlewest]_SC_05	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	9627.27	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
772	Turbine Delivery Route Option 3A	Limerick	18850	TDR 25m intervals	541161.77	652360.15	NA	NA	No	NA	DROMLOHAN_010	Deel[Newcastlewest]_SC_05	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	9652.22	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
773	Turbine Delivery Route Option 3A	Limerick	18875	TDR 25m intervals	541186.29	652365.03	NA	NA	No	NA	DROMLOHAN_010	Deel[Newcastlewest]_SC_05	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	9677.13	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
774	Turbine Delivery Route Option 3A	Limerick	18900	TDR 25m intervals	541210.81	652369.91	NA	NA	No	NA	DROMLOHAN_010	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	9702.05	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
775	Turbine Delivery Route Option 3A	Limerick	18925	TDR 25m intervals	541235.33	652374.79	NA	NA	No	NA	DROMLOHAN_010	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	9726.96	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
776	Turbine Delivery Route Option 3A	Limerick	18950	TDR 25m intervals	541259.85	652379.67	NA	NA	No	NA	DROMLOHAN_010	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	9751.87	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
777	Turbine Delivery Route Option 3A	Limerick	18975	TDR 25m intervals	541284.33	652384.70	NA	NA	No	NA	DROMLOHAN_010	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	9776.77	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
778	Turbine Delivery Route Option 3A	Limerick	19000	TDR 25m intervals	541308.67	652390.44	NA	NA	No	NA	DROMLOHAN_010	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	9801.60	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer

Appendix 10.3 - Baseline Database -Turbine Delivery Route, Option 3A
Oatfield WF, Co. Clare

Project Ref. 604569
Prepared by: Cca / DW
Date: 17/11/2023
File Ref: 604569-Geo-R03-App10.3-(00)-Baseline Database -Turbine Delivery Route

	TDR		Assessment Location		Grid Coordinates (ITM)		Construction Details		Surface Water				Groundwater / Bedrock Aquifer						Groundwater / Wells / Abstraction		Designated Areas			Assessment Graphics / Comment	
Row No.	Turbine Delivery Route (TDR)	County	Location ID	Assessment Location Category	Easting	Northing	Type of Water Crossing / Construction Activity	Approximate Construction Depth (Excavation / Drilling) Depth Relative to Ground Level)	SW 50m Buffer	Receptor Category (Mapped river = EPA / WFD mapped)	River basins	Subcatchments	Aquifer Vulnerability	Potential Depth to Bedrock (acc. To GSI categories)	GW Aquifer Type	Excavation in or near Bedrock (In line with GSI mapped Aquifer Vulnerability)	Karst 25m buffer	Distance to Karst Feature	GW Abstraction 250m Buffer	Groundwater Source Protection Area NFGWS	SAC 50m Buffer	SPA 50m Buffer	Within SAC / SPA / NHA ?	Map Tile Number	Comments & MITIGATION MEASURES
					ITM	ITM		mbGL	50m										250m						
779	Turbine Delivery Route Option 3A	Limerick	19025	TDR 25m intervals	541333.00	652396.18	NA	NA	No	NA	DROMLOHAN_010	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	9826.43	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
780	Turbine Delivery Route Option 3A	Limerick	19050	TDR 25m intervals	541357.33	652401.92	NA	NA	No	NA	DROMLOHAN_010	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	9851.25	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
781	Turbine Delivery Route Option 3A	Limerick	19075	TDR 25m intervals	541381.67	652407.65	NA	NA	No	NA	DROMLOHAN_010	Deel[Newcastlewest]_SC_05	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	9876.08	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
782	Turbine Delivery Route Option 3A	Limerick	19100	TDR 25m intervals	541406.00	652413.41	NA	NA	No	NA	TOBERMURRY_010	Greanagh_SC_010	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	9900.91	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
783	Turbine Delivery Route Option 3A	Limerick	19125	TDR 25m intervals	541430.25	652419.48	NA	NA	No	NA	TOBERMURRY_010	Greanagh_SC_010	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	9925.70	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
784	Turbine Delivery Route Option 3A	Limerick	19150	TDR 25m intervals	541454.50	652425.55	NA	NA	No	NA	TOBERMURRY_010	Greanagh_SC_010	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	9950.49	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
785	Turbine Delivery Route Option 3A	Limerick	19175	TDR 25m intervals	541478.75	652431.62	NA	NA	No	NA	TOBERMURRY_010	Greanagh_SC_010	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	9975.28	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
786	Turbine Delivery Route Option 3A	Limerick	19200	TDR 25m intervals	541502.58	652439.18	NA	NA	No	NA	TOBERMURRY_010	Greanagh_SC_010	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	9999.82	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
787	Turbine Delivery Route Option 3A	Limerick	19225	TDR 25m intervals	541526.39	652446.79	NA	NA	No	NA	TOBERMURRY_010	Greanagh_SC_010	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	10024.35	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
788	Turbine Delivery Route Option 3A	Limerick	19250	TDR 25m intervals	541550.20	652454.40	NA	NA	No	NA	TOBERMURRY_010	Greanagh_SC_010	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	10048.89	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
789	Turbine Delivery Route Option 3A	Limerick	19275	TDR 25m intervals	541574.11	652461.72	NA	NA	No	NA	TOBERMURRY_010	Greanagh_SC_010	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	10073.48	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
790	Turbine Delivery Route Option 3A	Limerick	19300	TDR 25m intervals	541598.06	652468.90	NA	NA	No	NA	TOBERMURRY_010	Greanagh_SC_010	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	10098.11	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
791	Turbine Delivery Route Option 3A	Limerick	19325	TDR 25m intervals	541621.85	652476.56	NA	NA	No	NA	TOBERMURRY_010	Greanagh_SC_010	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	10122.64	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
792	Turbine Delivery Route Option 3A	Limerick	19350	TDR 25m intervals	541645.55	652484.52	NA	NA	No	NA	TOBERMURRY_010	Greanagh_SC_010	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	10147.11	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
793	Turbine Delivery Route Option 3A	Limerick	19375	TDR 25m intervals	541669.24	652492.49	NA	NA	No	NA	TOBERMURRY_010	Greanagh_SC_010	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	10171.58	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
794	Turbine Delivery Route Option 3A	Limerick	19400	TDR 25m intervals	541692.96	652500.40	NA	NA	No	NA	TOBERMURRY_010	Greanagh_SC_010	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	10196.07	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
795	Turbine Delivery Route Option 3A	Limerick	19425	TDR 25m intervals	541716.67	652508.31	NA	NA	No	NA	TOBERMURRY_010	Greanagh_SC_010	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	10220.56	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
796	Turbine Delivery Route Option 3A	Limerick	19450	TDR 25m intervals	541740.39	652516.23	NA	NA	No	NA	TOBERMURRY_010	Greanagh_SC_010	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	10245.06	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
797	Turbine Delivery Route Option 3A	Limerick	19475	TDR 25m intervals	541764.10	652524.14	NA	NA	No	NA	TOBERMURRY_010	Greanagh_SC_010	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	10269.55	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
798	Turbine Delivery Route Option 3A	Limerick	19500	TDR 25m intervals	541787.77	652532.19	NA	NA	No	NA	TOBERMURRY_010	Greanagh_SC_010	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	10294.02	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
799	Turbine Delivery Route Option 3A	Limerick	19525	TDR 25m intervals	541811.40	652540.36	NA	NA	No	NA	TOBERMURRY_010	Greanagh_SC_010	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	10318.46	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
800	Turbine Delivery Route Option 3A	Limerick	19550	TDR 25m intervals	541835.02	652548.54	NA	NA	No	NA	TOBERMURRY_010	Greanagh_SC_010	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	10342.91	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
801	Turbine Delivery Route Option 3A	Limerick	19575	TDR 25m intervals	541858.65	652556.71	NA	NA	No	NA	TOBERMURRY_010	Greanagh_SC_010	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	10367.36	Yes	No	No	No	No		Within GW Buffer Zone
802	Turbine Delivery Route Option 3A	Limerick	19600	TDR 25m intervals	541882.28	652564.88	NA	NA	No	NA	TOBERMURRY_010	Greanagh_SC_010	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	10391.81	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
803	Turbine Delivery Route Option 3A	Limerick	19625	TDR 25m intervals	541905.90	652573.06	NA	NA	No	NA	TOBERMURRY_010	Greanagh_SC_010	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	10416.27	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
804	Turbine Delivery Route Option 3A	Limerick	19650	TDR 25m intervals	541929.53	652581.23	NA	NA	No	NA	TOBERMURRY_010	Greanagh_SC_010	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	10440.73	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
805	Turbine Delivery Route Option 3A	Limerick	19675	TDR 25m intervals	541953.00	652589.84	NA	NA	No	NA	TOBERMURRY_010	Greanagh_SC_010	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	10465.08	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
806	Turbine Delivery Route Option 3A	Limerick	19700	TDR 25m intervals	541976.44	652598.54	NA	NA	No	NA	TOBERMURRY_010	Greanagh_SC_010	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	10489.43	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
807	Turbine Delivery Route Option 3A	Limerick	19725	TDR 25m intervals	541999.88	652607.23	NA	NA	No	NA	TOBERMURRY_010	Greanagh_SC_010	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	10513.77	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
808	Turbine Delivery Route Option 3A	Limerick	19750	TDR 25m intervals	542023.31	652615.93	NA	NA	No	NA	TOBERMURRY_010	Greanagh_SC_010	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	10538.12	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
809	Turbine Delivery Route Option 3A	Limerick	19775	TDR 25m intervals	542046.75	652624.63	NA	NA	No	NA	TOBERMURRY_010	Greanagh_SC_010	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	10562.47	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
810	Turbine Delivery Route Option 3A	Limerick	19800	TDR 25m intervals	542070.16	652633.41	NA	NA	No	NA	TOBERMURRY_010	Greanagh_SC_010	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	10586.80	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
811	Turbine Delivery Route Option 3A	Limerick	19825	TDR 25m intervals	542093.36	652642.72	NA	NA	No	NA	TOBERMURRY_010	Greanagh_SC_010	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	10611.00	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
812	Turbine Delivery Route Option 3A	Limerick	19850	TDR 25m intervals	542116.56	652652.02	NA	NA	No	NA	TOBERMURRY_010	Greanagh_SC_010	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	10635.21	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
813	Turbine Delivery Route Option 3A	Limerick	19875	TDR 25m intervals	542139.10	652662.78	NA	NA	No	NA	TOBERMURRY_010	Greanagh_SC_010	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	10658.94	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
814	Turbine Delivery Route Option 3A	Limerick	19900	TDR 25m intervals	542161.24	652674.39	NA	NA	No	NA	TOBERMURRY_010	Greanagh_SC_010	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	10682.40	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
815	Turbine Delivery Route Option 3A	Limerick	19925	TDR 25m intervals	542183.38	652686.00	NA	NA	No	NA	TOBERMURRY_010	Greanagh_SC_010	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	10705.86	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
816	Turbine Delivery Route Option 3A	Limerick	19950	TDR 25m intervals	542205.49	652697.66	NA	NA	No	NA	TOBERMURRY_010	Greanagh_SC_010	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	10729.32	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
817	Turbine Delivery Route Option 3A	Limerick	19975	TDR 25m intervals	542227.53	652709.46	NA	NA	No	NA	TOBERMURRY_010	Greanagh_SC_010	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	10752.72	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
818	Turbine Delivery Route Option 3A	Limerick	20000	TDR 25m intervals	542249.57	652721.27	NA	NA	No	NA	TOBERMURRY_010	Greanagh_SC_010	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	10776.13	No	No	Askeaton Fen Complex SAC	No	No		ELEVATED RISK Regionally Important Aquifer Within Askeaton Fen Complex SAC Buffer
819	Turbine Delivery Route Option 3A	Limerick	20025	TDR 25m intervals	542271.60	652733.08	NA	NA	No	NA	TOBERMURRY_010	Greanagh_SC_010	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	10799.54	No	No	Askeaton Fen Complex SAC	No	No		ELEVATED RISK Regionally Important Aquifer Within Askeaton Fen Complex SAC Buffer

Appendix 10.3 - Baseline Database -Turbine Delivery Route, Option 3A
Oatfield WF, Co. Clare

Project Ref. 604569
Prepared by: Cca / DW
Date: 17/11/2023
File Ref: 604569-Geo-R03-App10.3-(00)-Baseline Database -Turbine Delivery Route

	TDR		Assessment Location		Grid Coordinates (ITM)		Construction Details		Surface Water				Groundwater / Bedrock Aquifer						Groundwater / Wells / Abstraction		Designated Areas			Assessment Graphics / Comment	
Row No.	Turbine Delivery Route (TDR)	County	Location ID	Assessment Location Category	Easting	Northing	Type of Water Crossing / Construction Activity	Approximate Construction Depth (Excavation / Drilling) Depth Relative to Ground Level)	SW 50m Buffer	Receptor Category (Mapped river = EPA / WFD mapped)	River basins	Subcatchments	Aquifer Vulnerability	Potential Depth to Bedrock (acc. To GSI categories)	GW Aquifer Type	Excavation in or near Bedrock (In line with GSI mapped Aquifer Vulnerability)	Karst 25m buffer	Distance to Karst Feature	GW Abstraction 250m Buffer	Groundwater Source Protection Area NFGWS	SAC 50m Buffer	SPA 50m Buffer	Within SAC / SPA / NHA ?	Map Tile Number	Comments & MITIGATION MEASURES
					ITM	ITM		mbGL	50m										250m						
820	Turbine Delivery Route Option 3A	Limerick	20050	TDR 25m intervals	542293.48	652745.18	NA	NA	No	NA	TOBERMURRY_010	Greanagh_SC_010	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	10822.85	No	No	Askeaton Fen Complex SAC	No	No		ELEVATED RISK Regionally Important Aquifer Within Askeaton Fen Complex SAC Buffer
821	Turbine Delivery Route Option 3A	Limerick	20075	TDR 25m intervals	542315.27	652757.44	NA	NA	No	NA	TOBERMURRY_010	Greanagh_SC_010	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	10846.09	No	No	Askeaton Fen Complex SAC	No	No		ELEVATED RISK Regionally Important Aquifer Within Askeaton Fen Complex SAC Buffer
822	Turbine Delivery Route Option 3A	Limerick	20100	TDR 25m intervals	542337.06	652769.69	NA	NA	No	NA	TOBERMURRY_010	Greanagh_SC_010	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	10869.34	No	No	Askeaton Fen Complex SAC	No	No		ELEVATED RISK Regionally Important Aquifer Within Askeaton Fen Complex SAC Buffer
823	Turbine Delivery Route Option 3A	Limerick	20125	TDR 25m intervals	542358.84	652781.95	NA	NA	No	NA	TOBERMURRY_010	Greanagh_SC_010	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	10892.60	No	No	Askeaton Fen Complex SAC	No	No		ELEVATED RISK Regionally Important Aquifer Within Askeaton Fen Complex SAC Buffer
824	Turbine Delivery Route Option 3A	Limerick	20150	TDR 25m intervals	542380.63	652794.21	NA	NA	No	NA	TOBERMURRY_010	Greanagh_SC_010	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	10915.87	No	No	Askeaton Fen Complex SAC	No	No		ELEVATED RISK Regionally Important Aquifer Within Askeaton Fen Complex SAC Buffer
825	Turbine Delivery Route Option 3A	Limerick	20175	TDR 25m intervals	542402.19	652806.87	NA	NA	No	NA	TOBERMURRY_010	Greanagh_SC_010	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	10938.98	No	No	Askeaton Fen Complex SAC	No	No		ELEVATED RISK Regionally Important Aquifer Within Askeaton Fen Complex SAC Buffer
826	Turbine Delivery Route Option 3A	Limerick	20200	TDR 25m intervals	542423.67	652819.67	NA	NA	No	NA	TOBERMURRY_010	Greanagh_SC_010	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	10962.03	No	No	Askeaton Fen Complex SAC	No	No		ELEVATED RISK Regionally Important Aquifer Within Askeaton Fen Complex SAC Buffer
827	Turbine Delivery Route Option 3A	Limerick	20225	TDR 25m intervals	542445.14	652832.46	NA	NA	No	NA	TOBERMURRY_010	Greanagh_SC_010	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	10985.09	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
828	Turbine Delivery Route Option 3A	Limerick	20250	TDR 25m intervals	542466.62	652845.26	NA	NA	No	NA	TOBERMURRY_010	Greanagh_SC_010	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	11008.15	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
829	Turbine Delivery Route Option 3A	Limerick	20275	TDR 25m intervals	542487.99	652858.23	NA	NA	No	NA	TOBERMURRY_010	Greanagh_SC_010	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	11031.15	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
830	Turbine Delivery Route Option 3A	Limerick	20300	TDR 25m intervals	542509.26	652871.37	NA	NA	No	NA	TOBERMURRY_010	Greanagh_SC_010	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	11054.08	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
831	Turbine Delivery Route Option 3A	Limerick	20325	TDR 25m intervals	542530.53	652884.51	NA	NA	No	NA	TOBERMURRY_010	Greanagh_SC_010	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	11077.02	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
832	Turbine Delivery Route Option 3A	Limerick	20350	TDR 25m intervals	542551.80	652897.65	NA	NA	No	NA	TOBERMURRY_010	Greanagh_SC_010	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	11099.96	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
833	Turbine Delivery Route Option 3A	Limerick	20375	TDR 25m intervals	542573.07	652910.78	NA	NA	No	NA	TOBERMURRY_010	Greanagh_SC_010	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	11122.92	No	No		No	No		ELEVATED RISK Regionally Important Aquifer
834	Turbine Delivery Route Option 3A	Limerick	20400	TDR 25m intervals	542594.34	652923.92	NA	NA	No	NA	TOBERMURRY_010	Greanagh_SC_010	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	11145.88	No	No	Askeaton Fen Complex SAC	No	No		ELEVATED RISK Regionally Important Aquifer Within Askeaton Fen Complex SAC Buffer
835	Turbine Delivery Route Option 3A	Limerick	20425	TDR 25m intervals	542615.61	652937.06	NA	NA	No	NA	TOBERMURRY_010	Greanagh_SC_010	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	11168.86	No	No	Askeaton Fen Complex SAC	No	No		ELEVATED RISK Regionally Important Aquifer Within Askeaton Fen Complex SAC Buffer
836	Turbine Delivery Route Option 3A	Limerick	20450	TDR 25m intervals	542636.55	652950.70	NA	NA	No	NA	TOBERMURRY_010	Greanagh_SC_010	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	11191.59	No	No	Askeaton Fen Complex SAC	No	No		ELEVATED RISK Regionally Important Aquifer Within Askeaton Fen Complex SAC Buffer
837	Turbine Delivery Route Option 3A	Limerick	20475	TDR 25m intervals	542657.15	652964.87	NA	NA	No	NA	TOBERMURRY_010	Greanagh_SC_010	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	11214.07	No	No	Askeaton Fen Complex SAC	No	No		ELEVATED RISK Regionally Important Aquifer Within Askeaton Fen Complex SAC Buffer
838	Turbine Delivery Route Option 3A	Limerick	20500	TDR 25m intervals	542677.74	652979.04	NA	NA	No	NA	TOBERMURRY_010	Greanagh_SC_010	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	11236.56	No	No	Askeaton Fen Complex SAC	No	No		ELEVATED RISK Regionally Important Aquifer Within Askeaton Fen Complex SAC Buffer
839	Turbine Delivery Route Option 3A	Limerick	20525	TDR 25m intervals	542698.34	652993.20	NA	NA	No	NA	TOBERMURRY_010	Greanagh_SC_010	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	11259.06	No	No	Askeaton Fen Complex SAC	No	No		ELEVATED RISK Regionally Important Aquifer Within Askeaton Fen Complex SAC Buffer
840	Turbine Delivery Route Option 3A	Limerick	20550	TDR 25m intervals	542718.98	653007.32	NA	NA	No	NA	TOBERMURRY_010	Greanagh_SC_010	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	11281.60	No	No	Askeaton Fen Complex SAC	No	No		ELEVATED RISK Regionally Important Aquifer Within Askeaton Fen Complex SAC Buffer
841	Turbine Delivery Route Option 3A	Limerick	20575	TDR 25m intervals	542739.75	653021.23	NA	NA	No	NA	TOBERMURRY_010	Greanagh_SC_010	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	11304.25	No	No	Askeaton Fen Complex SAC	No	No		ELEVATED RISK Regionally Important Aquifer Within Askeaton Fen Complex SAC Buffer
842	Turbine Delivery Route Option 3A	Limerick	20600	TDR 25m intervals	542760.51	653035.15	NA	NA	No	NA	TOBERMURRY_010	Greanagh_SC_010	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	11299.48	No	No	Askeaton Fen Complex SAC	No	Askeaton Fen Complex SAC		ELEVATED RISK Regionally Important Aquifer Within Askeaton Fen Complex SAC
843	Turbine Delivery Route Option 3A	Limerick	20625	TDR 25m intervals	542781.28	653049.06	NA	NA	No	NA	TOBERMURRY_010	Greanagh_SC_010	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	11278.91	Yes	No	Askeaton Fen Complex SAC	No	Askeaton Fen Complex SAC		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer Within Askeaton Fen Complex SAC
844	Turbine Delivery Route Option 3A	Limerick	20650	TDR 25m intervals	542802.03	653063.01	NA	NA	No	NA	TOBERMURRY_010	Greanagh_SC_010	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	11258.37	Yes	No	Askeaton Fen Complex SAC	No	Askeaton Fen Complex SAC		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer Within Askeaton Fen Complex SAC
845	Turbine Delivery Route Option 3A	Limerick	20675	TDR 25m intervals	542822.04	653078.00	NA	NA	No	NA	TOBERMURRY_010	Greanagh_SC_010	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	11238.60	Yes	No	Askeaton Fen Complex SAC	No	Askeaton Fen Complex SAC		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer Within Askeaton Fen Complex SAC
846	Turbine Delivery Route Option 3A	Limerick	20700	TDR 25m intervals	542842.04	653092.99	NA	NA	No	NA	TOBERMURRY_010	Greanagh_SC_010	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	11218.86	Yes	No	Askeaton Fen Complex SAC	No	Askeaton Fen Complex SAC		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer Within Askeaton Fen Complex SAC
847	Turbine Delivery Route Option 3A	Limerick	20725	TDR 25m intervals	542862.09	653107.93	NA	NA	No	NA	TOBERMURRY_010	Greanagh_SC_010	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	11199.10	Yes	No	Askeaton Fen Complex SAC	No	Askeaton Fen Complex SAC		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer Within Askeaton Fen Complex SAC
848	Turbine Delivery Route Option 3A	Limerick	20750	TDR 25m intervals	542882.15	653122.86	NA	NA	No	NA	TOBERMURRY_010	Greanagh_SC_010	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	11179.35	Yes	No	Askeaton Fen Complex SAC	No	Askeaton Fen Complex SAC		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer Within Askeaton Fen Complex SAC
849	Turbine Delivery Route Option 3A	Limerick	20775	TDR 25m intervals	542901.83	653138.24	NA	NA	No	NA	TOBERMURRY_010	Greanagh_SC_010	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	11160.00	Yes	No	Askeaton Fen Complex SAC	No	Askeaton Fen Complex SAC		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer Within Askeaton Fen Complex SAC
850	Turbine Delivery Route Option 3A	Limerick	20800	TDR 25m intervals	542920.66	653154.69	NA	NA	No	NA	TOBERMURRY_010	Greanagh_SC_010	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	11141.56	Yes	No	Askeaton Fen Complex SAC	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer Within Askeaton Fen Complex SAC Buffer
851	Turbine Delivery Route Option 3A	Limerick	20825	TDR 25m intervals	542938.80	653171.87	NA	NA	No	NA	TOBERMURRY_010	Greanagh_SC_010	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	11123.85	Yes	No	Askeaton Fen Complex SAC	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer Within Askeaton Fen Complex SAC Buffer
852	Turbine Delivery Route Option 3A	Limerick	20850	TDR 25m intervals	542956.40	653189.62	NA	NA	No	NA	TOBERMURRY_010	Greanagh_SC_010	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	11106.71	Yes	No	Askeaton Fen Complex SAC	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer Within Askeaton Fen Complex SAC Buffer
853	Turbine Delivery Route Option 3A	Limerick	20875	TDR 25m intervals	542974.39	653206.98	NA	NA	No	NA	TOBERMURRY_010	Greanagh_SC_010	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	11089.22	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
854	Turbine Delivery Route Option 3A	Limerick	20900	TDR 25m intervals	542992.84	653223.84	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	11071.27	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
855	Turbine Delivery Route Option 3A	Limerick	20925	TDR 25m intervals	543012.02	653239.79	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	11052.59	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
856	Turbine Delivery Route Option 3A	Limerick	20950	TDR 25m intervals	543032.62	653253.96	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	11032.46	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
857	Turbine Delivery Route Option 3A	Limerick	20975	TDR 25m intervals	543054.41	653266.20	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	11011.09	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
858	Turbine Delivery Route Option 3A	Limerick	21000	TDR 25m intervals	543077.30	653276.04	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	10988.56	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
859	Turbine Delivery Route Option 3A	Limerick	21025	TDR 25m intervals	543100.91	653284.27	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	10965.26	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
860	Turbine Delivery Route Option 3A	Limerick	21050	TDR 25m intervals	543125.45	653288.92	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	10940.90	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
861	Turbine Delivery Route Option 3A	Limerick	21075	TDR 25m intervals	543150.26	653291.93	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	10916.21	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer

Appendix 10.3 - Baseline Database -Turbine Delivery Route, Option 3A
Oatfield WF, Co. Clare

Project Ref. 604569
Prepared by: Cca / DW
Date: 17/11/2023
File Ref: 604569-Geo-R03-App10.3-(00)-Baseline Database -Turbine Delivery Route

	TDR		Assessment Location		Grid Coordinates (ITM)		Construction Details		Surface Water				Groundwater / Bedrock Aquifer						Groundwater / Wells / Abstraction		Designated Areas			Assessment Graphics / Comment	
Row No.	Turbine Delivery Route (TDR)	County	Location ID	Assessment Location Category	Easting	Northing	Type of Water Crossing / Construction Activity	Approximate Construction Depth (Excavation / Drilling) Depth Relative to Ground Level)	SW 50m Buffer	Receptor Category (Mapped river = EPA / WFD mapped)	River basins	Subcatchments	Aquifer Vulnerability	Potential Depth to Bedrock (acc. To GSI categories)	GW Aquifer Type	Excavation in or near Bedrock (In line with GSI mapped Aquifer Vulnerability)	Karst 25m buffer	Distance to Karst Feature	GW Abstraction 250m Buffer	Groundwater Source Protection Area NFGWS	SAC 50m Buffer	SPA 50m Buffer	Within SAC / SPA / NHA ?	Map Tile Number	Comments & MITIGATION MEASURES
					ITM	ITM		mbGL	50m										250m						
862	Turbine Delivery Route Option 3A	Limerick	21100	TDR 25m intervals	543175.18	653292.41	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	10891.32	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
863	Turbine Delivery Route Option 3A	Limerick	21125	TDR 25m intervals	543200.16	653291.25	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	10866.32	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
864	Turbine Delivery Route Option 3A	Limerick	21150	TDR 25m intervals	543225.13	653290.09	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	10841.32	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
865	Turbine Delivery Route Option 3A	Limerick	21175	TDR 25m intervals	543250.10	653288.93	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	10816.31	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
866	Turbine Delivery Route Option 3A	Limerick	21200	TDR 25m intervals	543275.07	653287.77	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	10791.31	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
867	Turbine Delivery Route Option 3A	Limerick	21225	TDR 25m intervals	543300.07	653287.21	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	10766.31	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
868	Turbine Delivery Route Option 3A	Limerick	21250	TDR 25m intervals	543325.06	653286.77	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	10741.31	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
869	Turbine Delivery Route Option 3A	Limerick	21275	TDR 25m intervals	543350.06	653286.34	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	10716.32	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
870	Turbine Delivery Route Option 3A	Limerick	21300	TDR 25m intervals	543374.97	653284.70	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	10691.35	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
871	Turbine Delivery Route Option 3A	Limerick	21325	TDR 25m intervals	543399.80	653281.75	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	10666.43	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
872	Turbine Delivery Route Option 3A	Limerick	21350	TDR 25m intervals	543424.62	653278.80	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	10641.51	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
873	Turbine Delivery Route Option 3A	Limerick	21375	TDR 25m intervals	543449.45	653275.85	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	10616.59	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
874	Turbine Delivery Route Option 3A	Limerick	21400	TDR 25m intervals	543473.87	653270.57	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	10591.99	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
875	Turbine Delivery Route Option 3A	Limerick	21425	TDR 25m intervals	543498.25	653265.04	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	10567.42	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
876	Turbine Delivery Route Option 3A	Limerick	21450	TDR 25m intervals	543522.49	653259.03	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	10542.98	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
877	Turbine Delivery Route Option 3A	Limerick	21475	TDR 25m intervals	543545.92	653250.30	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	10519.26	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
878	Turbine Delivery Route Option 3A	Limerick	21500	TDR 25m intervals	543569.34	653241.56	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	10495.55	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
879	Turbine Delivery Route Option 3A	Limerick	21525	TDR 25m intervals	543592.09	653231.32	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	10472.47	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
880	Turbine Delivery Route Option 3A	Limerick	21550	TDR 25m intervals	543614.24	653219.72	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	10449.96	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
881	Turbine Delivery Route Option 3A	Limerick	21575	TDR 25m intervals	543636.39	653208.12	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	10427.46	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
882	Turbine Delivery Route Option 3A	Limerick	21600	TDR 25m intervals	543657.39	653194.68	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	10406.05	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
883	Turbine Delivery Route Option 3A	Limerick	21625	TDR 25m intervals	543677.71	653180.11	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	10385.32	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
884	Turbine Delivery Route Option 3A	Limerick	21650	TDR 25m intervals	543697.27	653164.59	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	10365.33	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
885	Turbine Delivery Route Option 3A	Limerick	21675	TDR 25m intervals	543716.00	653148.03	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	10346.18	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
886	Turbine Delivery Route Option 3A	Limerick	21700	TDR 25m intervals	543735.28	653132.14	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	10326.52	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
887	Turbine Delivery Route Option 3A	Limerick	21725	TDR 25m intervals	543751.96	653113.52	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	10309.42	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
888	Turbine Delivery Route Option 3A	Limerick	21750	TDR 25m intervals	543768.63	653094.89	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	10292.35	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
889	Turbine Delivery Route Option 3A	Limerick	21775	TDR 25m intervals	543785.14	653076.12	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	10275.48	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
890	Turbine Delivery Route Option 3A	Limerick	21800	TDR 25m intervals	543801.51	653057.22	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	10258.79	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
891	Turbine Delivery Route Option 3A	Limerick	21825	TDR 25m intervals	543817.87	653038.32	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	10242.13	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
892	Turbine Delivery Route Option 3A	Limerick	21850	TDR 25m intervals	543834.23	653019.42	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	10225.50	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
893	Turbine Delivery Route Option 3A	Limerick	21875	TDR 25m intervals	543850.60	653000.52	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	10208.91	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
894	Turbine Delivery Route Option 3A	Limerick	21900	TDR 25m intervals	543867.25	652981.87	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	10192.07	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
895	Turbine Delivery Route Option 3A	Limerick	21925	TDR 25m intervals	543884.39	652963.69	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	10174.78	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
896	Turbine Delivery Route Option 3A	Limerick	21950	TDR 25m intervals	543902.36	652946.31	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	10156.69	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
897	Turbine Delivery Route Option 3A	Limerick	21975	TDR 25m intervals	543921.71	652930.48	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	10137.26	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
898	Turbine Delivery Route Option 3A	Limerick	22000	TDR 25m intervals	543941.49	652915.21	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	10117.41	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
899	Turbine Delivery Route Option 3A	Limerick	22025	TDR 25m intervals	543962.06	652901.00	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	10096.82	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
900	Turbine Delivery Route Option 3A	Limerick	22050	TDR 25m intervals	543982.85	652887.13	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	10076.02	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
901	Turbine Delivery Route Option 3A	Limerick	22075	TDR 25m intervals	544004.46	652874.55	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	10054.41	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
902	Turbine Delivery Route Option 3A	Limerick	22100	TDR 25m intervals	544026.83	652863.41	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	10032.06	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
903	Turbine Delivery Route Option 3A	Limerick	22125	TDR 25m intervals	544049.52	652852.97	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	10009.39	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
904	Turbine Delivery Route Option 3A	Limerick	22150	TDR 25m intervals	544072.90	652844.11	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	9986.05	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
905	Turbine Delivery Route Option 3A	Limerick	22175	TDR 25m intervals	544096.50	652835.86	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	9962.48	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
906	Turbine Delivery Route Option 3A	Limerick	22200	TDR 25m intervals	544120.10	652827.61	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	9938.93	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
907	Turbine Delivery Route Option 3A	Limerick	22225	TDR 25m intervals	544143.74	652819.48	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	9915.34	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer

	TDR		Assessment Location		Grid Coordinates (ITM)		Construction Details		Surface Water				Groundwater / Bedrock Aquifer						Groundwater / Wells / Abstraction		Designated Areas			Assessment Graphics / Comment	
Row No.	Turbine Delivery Route (TDR)	County	Location ID	Assessment Location Category	Easting	Northing	Type of Water Crossing / Construction Activity	Approximate Construction Depth (Excavation / Drilling) Depth Relative to Ground Level)	SW 50m Buffer	Receptor Category (Mapped river = EPA / WFD mapped)	River basins	Subcatchments	Aquifer Vulnerability	Potential Depth to Bedrock (acc. To GSI categories)	GW Aquifer Type	Excavation in or near Bedrock (In line with GSI mapped Aquifer Vulnerability)	Karst 25m buffer	Distance to Karst Feature	GW Abstraction 250m Buffer	Groundwater Source Protection Area NFGWS	SAC 50m Buffer	SPA 50m Buffer	Within SAC / SPA / NHA ?	Map Tile Number	Comments & MITIGATION MEASURES
					ITM	ITM		mbGL	50m										250m						
908	Turbine Delivery Route Option 3A	Limerick	22250	TDR 25m intervals	544167.38	652811.35	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	9891.75	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
909	Turbine Delivery Route Option 3A	Limerick	22275	TDR 25m intervals	544191.03	652803.23	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	9868.17	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
910	Turbine Delivery Route Option 3A	Limerick	22300	TDR 25m intervals	544214.64	652795.02	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	9844.63	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
911	Turbine Delivery Route Option 3A	Limerick	22325	TDR 25m intervals	544238.25	652786.80	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	9821.09	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
912	Turbine Delivery Route Option 3A	Limerick	22350	TDR 25m intervals	544261.74	652778.25	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	9797.70	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
913	Turbine Delivery Route Option 3A	Limerick	22375	TDR 25m intervals	544285.06	652769.25	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	9774.48	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
914	Turbine Delivery Route Option 3A	Limerick	22400	TDR 25m intervals	544308.38	652760.24	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	9751.27	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
915	Turbine Delivery Route Option 3A	Limerick	22425	TDR 25m intervals	544331.71	652751.24	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	9728.06	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
916	Turbine Delivery Route Option 3A	Limerick	22450	TDR 25m intervals	544355.03	652742.24	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	9704.87	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
917	Turbine Delivery Route Option 3A	Limerick	22475	TDR 25m intervals	544378.38	652733.30	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	9681.66	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
918	Turbine Delivery Route Option 3A	Limerick	22500	TDR 25m intervals	544402.21	652725.76	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	9657.95	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
919	Turbine Delivery Route Option 3A	Limerick	22525	TDR 25m intervals	544426.05	652718.22	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	9634.25	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
920	Turbine Delivery Route Option 3A	Limerick	22550	TDR 25m intervals	544449.88	652710.67	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	9610.55	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
921	Turbine Delivery Route Option 3A	Limerick	22575	TDR 25m intervals	544474.06	652704.34	NA	NA	Yes	TONLEGEE_010	TONLEGEE_010	Greanagh_SC_010	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	9586.49	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone Regionally Important Aquifer
922	Turbine Delivery Route Option 3A	Limerick	22600	TDR 25m intervals	544498.60	652700.05	NA	NA	Yes	TONLEGEE_010	TONLEGEE_010	Greanagh_SC_010	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	9562.03	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone Regionally Important Aquifer
923	Turbine Delivery Route Option 3A	Limerick	22625	TDR 25m intervals	544523.55	652698.78	NA	NA	Yes	TONLEGEE_010	TONLEGEE_010	Greanagh_SC_010	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	9537.11	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone Regionally Important Aquifer
924	Turbine Delivery Route Option 3A	Limerick		TDR_WCC_118	544528.85	652699.24	WCC	NA	Yes	TONLEGEE_010	TONLEGEE_010	Greanagh_SC_010	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	9537.11	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone Regionally Important Aquifer
925	Turbine Delivery Route Option 3A	Limerick	22650	TDR 25m intervals	544548.52	652699.88	NA	NA	Yes	TONLEGEE_010	TONLEGEE_010	Greanagh_SC_010	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	9512.12	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone Regionally Important Aquifer
926	Turbine Delivery Route Option 3A	Limerick	22675	TDR 25m intervals	544573.35	652702.77	NA	NA	Yes	TONLEGEE_010	TONLEGEE_010	Greanagh_SC_010	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	9487.23	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone Regionally Important Aquifer
927	Turbine Delivery Route Option 3A	Limerick	22700	TDR 25m intervals	544598.08	652706.33	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	9462.44	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
928	Turbine Delivery Route Option 3A	Limerick	22725	TDR 25m intervals	544622.35	652712.33	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	9438.05	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
929	Turbine Delivery Route Option 3A	Limerick	22750	TDR 25m intervals	544646.32	652719.33	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	9413.95	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
930	Turbine Delivery Route Option 3A	Limerick	22775	TDR 25m intervals	544669.97	652727.45	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	9390.17	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
931	Turbine Delivery Route Option 3A	Limerick	22800	TDR 25m intervals	544693.61	652735.57	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	9366.39	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
932	Turbine Delivery Route Option 3A	Limerick	22825	TDR 25m intervals	544717.26	652743.70	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	9342.61	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
933	Turbine Delivery Route Option 3A	Limerick	22850	TDR 25m intervals	544740.62	652752.55	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	9319.11	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
934	Turbine Delivery Route Option 3A	Limerick	22875	TDR 25m intervals	544763.72	652762.13	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	9295.89	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
935	Turbine Delivery Route Option 3A	Limerick	22900	TDR 25m intervals	544787.46	652769.93	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	9272.04	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
936	Turbine Delivery Route Option 3A	Limerick	22925	TDR 25m intervals	544811.25	652777.62	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	9248.15	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
937	Turbine Delivery Route Option 3A	Limerick	22950	TDR 25m intervals	544834.92	652785.65	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	9224.38	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
938	Turbine Delivery Route Option 3A	Limerick	22975	TDR 25m intervals	544858.64	652793.55	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	9200.58	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
939	Turbine Delivery Route Option 3A	Limerick	23000	TDR 25m intervals	544882.69	652800.35	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	9176.46	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
940	Turbine Delivery Route Option 3A	Limerick	23025	TDR 25m intervals	544906.44	652808.17	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	9152.64	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
941	Turbine Delivery Route Option 3A	Limerick	23050	TDR 25m intervals	544930.54	652814.68	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	9128.48	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
942	Turbine Delivery Route Option 3A	Limerick	23075	TDR 25m intervals	544955.28	652817.71	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	9103.71	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
943	Turbine Delivery Route Option 3A	Limerick	23100	TDR 25m intervals	544980.22	652816.22	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	9078.79	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
944	Turbine Delivery Route Option 3A	Limerick	23125	TDR 25m intervals	545004.44	652810.29	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	9054.61	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
945	Turbine Delivery Route Option 3A	Limerick	23150	TDR 25m intervals	545028.08	652802.27	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	9031.04	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
946	Turbine Delivery Route Option 3A	Limerick	23175	TDR 25m intervals	545051.20	652792.77	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	9008.01	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
947	Turbine Delivery Route Option 3A	Limerick	23200	TDR 25m intervals	545074.45	652783.59	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	8984.86	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
948	Turbine Delivery Route Option 3A	Limerick	23225	TDR 25m intervals	545097.58	652774.09	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	8961.85	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer

Appendix 10.3 - Baseline Database -Turbine Delivery Route, Option 3A
Oatfield WF, Co. Clare

Project Ref. 604569
Prepared by: Cca / DW
Date: 17/11/2023
File Ref: 604569-Geo-R03-App10.3-(00)-Baseline Database -Turbine Delivery Route

	TDR		Assessment Location		Grid Coordinates (ITM)		Construction Details		Surface Water				Groundwater / Bedrock Aquifer						Groundwater / Wells / Abstraction		Designated Areas			Assessment Graphics / Comment	
Row No.	Turbine Delivery Route (TDR)	County	Location ID	Assessment Location Category	Easting	Northing	Type of Water Crossing / Construction Activity	Approximate Construction Depth (Excavation / Drilling) Depth Relative to Ground Level)	SW 50m Buffer	Receptor Category (Mapped river = EPA / WFD mapped)	River basins	Subcatchments	Aquifer Vulnerability	Potential Depth to Bedrock (acc. To GSI categories)	GW Aquifer Type	Excavation in or near Bedrock (In line with GSI mapped Aquifer Vulnerability)	Karst 25m buffer	Distance to Karst Feature	GW Abstraction 250m Buffer	Groundwater Source Protection Area NFGWS	SAC 50m Buffer	SPA 50m Buffer	Within SAC / SPA / NHA ?	Map Tile Number	Comments & MITIGATION MEASURES
					ITM	ITM		mbGL	50m										250m						
949	Turbine Delivery Route Option 3A	Limerick	23250	TDR 25m intervals	545120.70	652764.59	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	8938.85	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
950	Turbine Delivery Route Option 3A	Limerick	23275	TDR 25m intervals	545143.83	652755.09	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	8915.86	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
951	Turbine Delivery Route Option 3A	Limerick	23300	TDR 25m intervals	545166.95	652745.59	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	8892.88	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
952	Turbine Delivery Route Option 3A	Limerick	23325	TDR 25m intervals	545190.08	652736.09	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	8869.91	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
953	Turbine Delivery Route Option 3A	Limerick	23350	TDR 25m intervals	545213.20	652726.59	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	8846.95	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
954	Turbine Delivery Route Option 3A	Limerick	23375	TDR 25m intervals	545236.67	652717.98	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	8823.65	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
955	Turbine Delivery Route Option 3A	Limerick	23400	TDR 25m intervals	545260.23	652709.63	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	8800.25	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
956	Turbine Delivery Route Option 3A	Limerick	23425	TDR 25m intervals	545283.82	652701.34	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	8776.84	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
957	Turbine Delivery Route Option 3A	Limerick	23450	TDR 25m intervals	545307.46	652693.21	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	8753.38	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
958	Turbine Delivery Route Option 3A	Limerick	23475	TDR 25m intervals	545331.39	652685.97	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	8729.62	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
959	Turbine Delivery Route Option 3A	Limerick	23500	TDR 25m intervals	545355.32	652678.76	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	8705.85	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
960	Turbine Delivery Route Option 3A	Limerick	23525	TDR 25m intervals	545379.26	652671.55	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	8682.10	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
961	Turbine Delivery Route Option 3A	Limerick	23550	TDR 25m intervals	545403.23	652664.45	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	8658.31	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
962	Turbine Delivery Route Option 3A	Limerick	23575	TDR 25m intervals	545427.35	652657.86	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	8634.37	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
963	Turbine Delivery Route Option 3A	Limerick	23600	TDR 25m intervals	545451.46	652651.27	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	8610.44	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
964	Turbine Delivery Route Option 3A	Limerick	23625	TDR 25m intervals	545475.58	652644.67	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	8586.52	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
965	Turbine Delivery Route Option 3A	Limerick	23650	TDR 25m intervals	545499.69	652638.08	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	8562.60	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
966	Turbine Delivery Route Option 3A	Limerick	23675	TDR 25m intervals	545523.82	652631.55	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	8538.66	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
967	Turbine Delivery Route Option 3A	Limerick	23700	TDR 25m intervals	545548.03	652625.29	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	8514.66	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
968	Turbine Delivery Route Option 3A	Limerick	23725	TDR 25m intervals	545572.23	652619.03	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	8490.66	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
969	Turbine Delivery Route Option 3A	Limerick	23750	TDR 25m intervals	545596.43	652612.77	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	8466.67	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
970	Turbine Delivery Route Option 3A	Limerick	23775	TDR 25m intervals	545620.74	652606.92	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	8442.56	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
971	Turbine Delivery Route Option 3A	Limerick	23800	TDR 25m intervals	545645.06	652601.15	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	8418.44	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
972	Turbine Delivery Route Option 3A	Limerick	23825	TDR 25m intervals	545669.39	652595.38	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	8394.33	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
973	Turbine Delivery Route Option 3A	Limerick	23850	TDR 25m intervals	545693.71	652589.60	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	8370.22	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
974	Turbine Delivery Route Option 3A	Limerick	23875	TDR 25m intervals	545718.04	652583.83	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	8346.11	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
975	Turbine Delivery Route Option 3A	Limerick	23900	TDR 25m intervals	545742.36	652578.05	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	8322.02	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
976	Turbine Delivery Route Option 3A	Limerick	23925	TDR 25m intervals	545766.71	652572.37	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	8297.90	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
977	Turbine Delivery Route Option 3A	Limerick	23950	TDR 25m intervals	545791.05	652566.70	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	8273.78	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
978	Turbine Delivery Route Option 3A	Limerick	23975	TDR 25m intervals	545815.40	652561.02	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	8249.67	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
979	Turbine Delivery Route Option 3A	Limerick	24000	TDR 25m intervals	545839.75	652555.35	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	8225.57	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
980	Turbine Delivery Route Option 3A	Limerick	24025	TDR 25m intervals	545864.08	652549.60	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	8201.49	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
981	Turbine Delivery Route Option 3A	Limerick	24050	TDR 25m intervals	545888.37	652543.71	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	8177.46	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
982	Turbine Delivery Route Option 3A	Limerick	24075	TDR 25m intervals	545912.67	652537.81	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	8153.43	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
983	Turbine Delivery Route Option 3A	Limerick	24100	TDR 25m intervals	545936.96	652531.92	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	8129.41	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
984	Turbine Delivery Route Option 3A	Limerick	24125	TDR 25m intervals	545961.31	652526.24	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	8105.34	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
985	Turbine Delivery Route Option 3A	Limerick	24150	TDR 25m intervals	545985.77	652521.08	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	8081.13	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
986	Turbine Delivery Route Option 3A	Limerick	24175	TDR 25m intervals	546010.52	652517.64	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	8056.56	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
987	Turbine Delivery Route Option 3A	Limerick	24200	TDR 25m intervals	546035.40	652515.30	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	8031.81	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
988	Turbine Delivery Route Option 3A	Limerick	24225	TDR 25m intervals	546060.36	652513.92	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	8006.94	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
989	Turbine Delivery Route Option 3A	Limerick	24250	TDR 25m intervals	546085.33	652512.71	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	7982.05	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
990	Turbine Delivery Route Option 3A	Limerick	24275	TDR 25m intervals	546110.31	652511.74	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	7957.14	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
991	Turbine Delivery Route Option 3A	Limerick	24300	TDR 25m intervals	546135.29	652510.76	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	7932.23	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer

Appendix 10.3 - Baseline Database -Turbine Delivery Route, Option 3A
Oatfield WF, Co. Clare

Project Ref. 604569
Prepared by: Cca / DW
Date: 17/11/2023
File Ref: 604569-Geo-R03-App10.3-(00)-Baseline Database -Turbine Delivery Route

	TDR		Assessment Location		Grid Coordinates (ITM)		Construction Details		Surface Water				Groundwater / Bedrock Aquifer						Groundwater / Wells / Abstraction		Designated Areas			Assessment Graphics / Comment	
Row No.	Turbine Delivery Route (TDR)	County	Location ID	Assessment Location Category	Easting	Northing	Type of Water Crossing / Construction Activity	Approximate Construction Depth (Excavation / Drilling) Depth Relative to Ground Level)	SW 50m Buffer	Receptor Category (Mapped river = EPA / WFD mapped)	River basins	Subcatchments	Aquifer Vulnerability	Potential Depth to Bedrock (acc. To GSI categories)	GW Aquifer Type	Excavation in or near Bedrock (In line with GSI mapped Aquifer Vulnerability)	Karst 25m buffer	Distance to Karst Feature	GW Abstraction 250m Buffer	Groundwater Source Protection Area NFGWS	SAC 50m Buffer	SPA 50m Buffer	Within SAC / SPA / NHA ?	Map Tile Number	Comments & MITIGATION MEASURES
					ITM	ITM		mbGL	50m										250m						
992	Turbine Delivery Route Option 3A	Limerick	24325	TDR 25m intervals	546160.27	652509.72	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	7907.32	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
993	Turbine Delivery Route Option 3A	Limerick	24350	TDR 25m intervals	546185.25	652508.67	NA	NA	Yes	TONLEGEE_010	TONLEGEE_010	Greanagh_SC_010	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	7882.42	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone Regionally Important Aquifer
994	Turbine Delivery Route Option 3A	Limerick	24375	TDR 25m intervals	546210.22	652507.54	NA	NA	Yes	TONLEGEE_010	TONLEGEE_010	Greanagh_SC_010	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	7857.53	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone Regionally Important Aquifer
995	Turbine Delivery Route Option 3A	Limerick	24400	TDR 25m intervals	546235.19	652506.41	NA	NA	Yes	TONLEGEE_010	TONLEGEE_010	Greanagh_SC_010	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	7832.63	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone Regionally Important Aquifer
996	Turbine Delivery Route Option 3A	Limerick	24425	TDR 25m intervals	546260.17	652505.41	NA	NA	Yes	TONLEGEE_010	TONLEGEE_010	Greanagh_SC_010	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	7807.73	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone Regionally Important Aquifer
997	Turbine Delivery Route Option 3A	Limerick	24450	TDR 25m intervals	546285.16	652504.52	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	7782.82	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
998	Turbine Delivery Route Option 3A	Limerick	24475	TDR 25m intervals	546310.14	652503.64	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	7757.90	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
999	Turbine Delivery Route Option 3A	Limerick	24500	TDR 25m intervals	546335.13	652502.76	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	7732.99	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
1000	Turbine Delivery Route Option 3A	Limerick	24525	TDR 25m intervals	546360.11	652501.88	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Moderate (M)	5 to 10m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	7708.08	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
1001	Turbine Delivery Route Option 3A	Limerick	24550	TDR 25m intervals	546385.10	652501.00	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Moderate (M)	5 to 10m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	7683.16	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
1002	Turbine Delivery Route Option 3A	Limerick	24575	TDR 25m intervals	546410.08	652500.11	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Low (L)	>10m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	7658.25	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
1003	Turbine Delivery Route Option 3A	Limerick	24600	TDR 25m intervals	546435.07	652499.23	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Low (L)	>10m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	7633.34	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
1004	Turbine Delivery Route Option 3A	Limerick	24625	TDR 25m intervals	546460.05	652498.48	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Low (L)	>10m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	7608.42	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
1005	Turbine Delivery Route Option 3A	Limerick	24650	TDR 25m intervals	546485.05	652497.92	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Low (L)	>10m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	7583.48	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
1006	Turbine Delivery Route Option 3A	Limerick	24675	TDR 25m intervals	546510.04	652497.36	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Low (L)	>10m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	7558.55	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
1007	Turbine Delivery Route Option 3A	Limerick	24700	TDR 25m intervals	546535.03	652496.80	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Low (L)	>10m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	7533.61	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
1008	Turbine Delivery Route Option 3A	Limerick	24725	TDR 25m intervals	546560.03	652496.24	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Low (L)	>10m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	7508.68	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
1009	Turbine Delivery Route Option 3A	Limerick	24750	TDR 25m intervals	546585.02	652495.68	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Low (L)	>10m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	7483.75	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
1010	Turbine Delivery Route Option 3A	Limerick	24775	TDR 25m intervals	546610.02	652495.12	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Low (L)	>10m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	7458.81	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
1011	Turbine Delivery Route Option 3A	Limerick	24800	TDR 25m intervals	546635.01	652494.56	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Low (L)	>10m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	7433.88	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
1012	Turbine Delivery Route Option 3A	Limerick	24825	TDR 25m intervals	546660.01	652494.14	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Moderate (M)	5 to 10m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	7408.94	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
1013	Turbine Delivery Route Option 3A	Limerick	24850	TDR 25m intervals	546685.00	652493.76	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Moderate (M)	5 to 10m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	7383.99	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
1014	Turbine Delivery Route Option 3A	Limerick	24875	TDR 25m intervals	546710.00	652493.38	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	7359.05	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
1015	Turbine Delivery Route Option 3A	Limerick	24900	TDR 25m intervals	546735.00	652493.00	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	7334.10	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
1016	Turbine Delivery Route Option 3A	Limerick	24925	TDR 25m intervals	546759.99	652492.63	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	7309.16	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
1017	Turbine Delivery Route Option 3A	Limerick	24950	TDR 25m intervals	546784.99	652492.34	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Rock near surface or karst (X)	<1m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	7284.21	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
1018	Turbine Delivery Route Option 3A	Limerick	24975	TDR 25m intervals	546809.99	652492.22	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	7259.25	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
1019	Turbine Delivery Route Option 3A	Limerick	25000	TDR 25m intervals	546834.99	652492.11	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	7234.29	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
1020	Turbine Delivery Route Option 3A	Limerick	25025	TDR 25m intervals	546859.99	652491.99	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	7209.33	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
1021	Turbine Delivery Route Option 3A	Limerick	25050	TDR 25m intervals	546884.99	652491.87	NA	NA	Yes	TONLEGEE_010	TONLEGEE_010	Greanagh_SC_010	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	7184.37	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Regionally Important Aquifer
1022	Turbine Delivery Route Option 3A	Limerick	25075	TDR 25m intervals	546909.99	652491.75	NA	NA	Yes	TONLEGEE_010	TONLEGEE_010	Greanagh_SC_010	Moderate (M)	5 to 10m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	7159.41	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Regionally Important Aquifer
1023	Turbine Delivery Route Option 3A	Limerick	25100	TDR 25m intervals	546934.99	652491.77	NA	NA	Yes	TONLEGEE_010	TONLEGEE_010	Greanagh_SC_010	Moderate (M)	5 to 10m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	7134.45	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Regionally Important Aquifer
1024	Turbine Delivery Route Option 3A	Limerick		TDR_WCC_119	546942.69	652492.23	WCC	NA	Yes	TONLEGEE_010	TONLEGEE_010	Greanagh_SC_010	Moderate (M)	5 to 10m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	7134.45	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Regionally Important Aquifer
1025	Turbine Delivery Route Option 3A	Limerick	25125	TDR 25m intervals	546959.99	652492.01	NA	NA	Yes	TONLEGEE_010	TONLEGEE_010	Greanagh_SC_010	Moderate (M)	5 to 10m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	7109.47	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Regionally Important Aquifer
1026	Turbine Delivery Route Option 3A	Limerick	25150	TDR 25m intervals	546984.99	652492.25	NA	NA	Yes	TONLEGEE_010	TONLEGEE_010	Greanagh_SC_010	Moderate (M)	5 to 10m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	7084.49	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Regionally Important Aquifer
1027	Turbine Delivery Route Option 3A	Limerick	25175	TDR 25m intervals	547009.99	652492.49	NA	NA	Yes	TONLEGEE_010	TONLEGEE_010	Greanagh_SC_010	Moderate (M)	5 to 10m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	7059.51	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone Regionally Important Aquifer
1028	Turbine Delivery Route Option 3A	Limerick	25200	TDR 25m intervals	547034.99	652492.73	NA	NA	Yes	TONLEGEE_010	TONLEGEE_010	Greanagh_SC_010	Moderate (M)	5 to 10m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	7034.54	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone Regionally Important Aquifer
1029	Turbine Delivery Route Option 3A	Limerick	25225	TDR 25m intervals	547059.98	652493.20	NA	NA	Yes	TONLEGEE_010	TONLEGEE_010	Greanagh_SC_010	Moderate (M)	5 to 10m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	7009.55	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone Regionally Important Aquifer
1030	Turbine Delivery Route Option 3A	Limerick	25250	TDR 25m intervals	547084.97	652493.77	NA	NA	Yes	TONLEGEE_010	TONLEGEE_010	Greanagh_SC_010	Moderate (M)	5 to 10m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	6984.56	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone Regionally Important Aquifer
1031	Turbine Delivery Route Option 3A	Limerick	25275	TDR 25m intervals	547109.97	652494.35	NA	NA	Yes	TONLEGEE_010	TONLEGEE_010	Greanagh_SC_010	Moderate (M)	5 to 10m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	6959.57	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone Regionally Important Aquifer
1032	Turbine Delivery Route Option 3A	Limerick	25300	TDR 25m intervals	547134.96	652494.92	NA	NA	Yes	TONLEGEE_010	TONLEGEE_010	Greanagh_SC_010	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	6934.58	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone Regionally Important Aquifer
1033	Turbine Delivery Route Option 3A	Limerick	25325	TDR 25m intervals	547159.95	652495.72	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	6909.59	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
1034	Turbine Delivery Route Option 3A	Limerick	25350	TDR 25m intervals	547184.93	652496.66	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	6884.59	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer

Appendix 10.3 - Baseline Database -Turbine Delivery Route, Option 3A
Oatfield WF, Co. Clare

Project Ref. 604569
Prepared by: Cca / DW
Date: 17/11/2023
File Ref: 604569-Geo-R03-App10.3-(00)-Baseline Database -Turbine Delivery Route

	TDR		Assessment Location		Grid Coordinates (ITM)		Construction Details		Surface Water				Groundwater / Bedrock Aquifer						Groundwater / Wells / Abstraction		Designated Areas			Assessment Graphics / Comment	
Row No.	Turbine Delivery Route (TDR)	County	Location ID	Assessment Location Category	Easting	Northing	Type of Water Crossing / Construction Activity	Approximate Construction Depth (Excavation / Drilling) Depth Relative to Ground Level)	SW 50m Buffer	Receptor Category (Mapped river = EPA / WFD mapped)	River basins	Subcatchments	Aquifer Vulnerability	Potential Depth to Bedrock (acc. To GSI categories)	GW Aquifer Type	Excavation in or near Bedrock (In line with GSI mapped Aquifer Vulnerability)	Karst 25m buffer	Distance to Karst Feature	GW Abstraction 250m Buffer	Groundwater Source Protection Area NFGWS	SAC 50m Buffer	SPA 50m Buffer	Within SAC / SPA / NHA ?	Map Tile Number	Comments & MITIGATION MEASURES
					ITM	ITM		mbGL	50m										250m						
1035	Turbine Delivery Route Option 3A	Limerick	25375	TDR 25m intervals	547209.91	652497.61	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	High (H)	3 to 5m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	6859.59	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
1036	Turbine Delivery Route Option 3A	Limerick	25400	TDR 25m intervals	547234.90	652498.43	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	6834.59	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
1037	Turbine Delivery Route Option 3A	Limerick	25425	TDR 25m intervals	547259.89	652498.91	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	6809.61	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
1038	Turbine Delivery Route Option 3A	Limerick	25450	TDR 25m intervals	547284.89	652499.26	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	6784.63	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
1039	Turbine Delivery Route Option 3A	Limerick	25475	TDR 25m intervals	547309.84	652498.01	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Extreme (E)	1 to 3m	(Rkc) Regionally Important Aquifer - Karstified (conduit)	NA	NA	6759.79	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
1040	Turbine Delivery Route Option 3A	Limerick	25500	TDR 25m intervals	547334.50	652494.03	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6735.40	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1041	Turbine Delivery Route Option 3A	Limerick	25525	TDR 25m intervals	547358.87	652488.45	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6711.40	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1042	Turbine Delivery Route Option 3A	Limerick	25550	TDR 25m intervals	547383.21	652482.75	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6687.44	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1043	Turbine Delivery Route Option 3A	Limerick	25575	TDR 25m intervals	547407.34	652476.23	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6663.75	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1044	Turbine Delivery Route Option 3A	Limerick	25600	TDR 25m intervals	547431.42	652469.49	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6640.14	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1045	Turbine Delivery Route Option 3A	Limerick	25625	TDR 25m intervals	547455.51	652462.83	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6616.51	No	No	No	No	No		NA
1046	Turbine Delivery Route Option 3A	Limerick	25650	TDR 25m intervals	547479.62	652456.20	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6592.88	No	No	No	No	No		NA
1047	Turbine Delivery Route Option 3A	Limerick	25675	TDR 25m intervals	547503.72	652449.57	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6569.27	No	No	No	No	No		NA
1048	Turbine Delivery Route Option 3A	Limerick	25700	TDR 25m intervals	547527.82	652442.93	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Low (L)	>10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6545.66	No	No	No	No	No		NA
1049	Turbine Delivery Route Option 3A	Limerick	25725	TDR 25m intervals	547551.93	652436.30	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Low (L)	>10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6522.06	No	No	No	No	No		NA
1050	Turbine Delivery Route Option 3A	Limerick	25750	TDR 25m intervals	547576.03	652429.67	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Low (L)	>10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6498.48	No	No	No	No	No		NA
1051	Turbine Delivery Route Option 3A	Limerick	25775	TDR 25m intervals	547600.14	652423.03	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Low (L)	>10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6474.90	No	No	Lower River Shannon SAC	River Shannon and River Fergus Estuaries SPA	No		ELEVATED RISK Within Lower River Shannon SAC Buffer Within River Shannon and River Fergus Estuaries SPA Buffer
1052	Turbine Delivery Route Option 3A	Limerick	25800	TDR 25m intervals	547624.24	652416.40	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Low (L)	>10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6451.34	No	No	Lower River Shannon SAC	River Shannon and River Fergus Estuaries SPA	No		ELEVATED RISK Within Lower River Shannon SAC Buffer Within River Shannon and River Fergus Estuaries SPA Buffer
1053	Turbine Delivery Route Option 3A	Limerick	25825	TDR 25m intervals	547648.34	652409.77	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Low (L)	>10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6427.79	No	No	Lower River Shannon SAC	River Shannon and River Fergus Estuaries SPA	No		ELEVATED RISK Within Lower River Shannon SAC Buffer Within River Shannon and River Fergus Estuaries SPA Buffer
1054	Turbine Delivery Route Option 3A	Limerick	25850	TDR 25m intervals	547672.45	652403.14	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Low (L)	>10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6404.24	No	No	Lower River Shannon SAC	River Shannon and River Fergus Estuaries SPA	No		ELEVATED RISK Within Lower River Shannon SAC Buffer Within River Shannon and River Fergus Estuaries SPA Buffer
1055	Turbine Delivery Route Option 3A	Limerick	25875	TDR 25m intervals	547696.55	652396.50	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Low (L)	>10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6380.71	No	No	Lower River Shannon SAC	River Shannon and River Fergus Estuaries SPA	No		ELEVATED RISK Within Lower River Shannon SAC Buffer Within River Shannon and River Fergus Estuaries SPA Buffer
1056	Turbine Delivery Route Option 3A	Limerick	25900	TDR 25m intervals	547720.66	652389.87	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Low (L)	>10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6357.19	No	No	Lower River Shannon SAC	River Shannon and River Fergus Estuaries SPA	No		ELEVATED RISK Within Lower River Shannon SAC Buffer Within River Shannon and River Fergus Estuaries SPA Buffer
1057	Turbine Delivery Route Option 3A	Limerick	25925	TDR 25m intervals	547744.76	652383.24	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Low (L)	>10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6333.69	No	No	Lower River Shannon SAC	River Shannon and River Fergus Estuaries SPA	No		ELEVATED RISK Within Lower River Shannon SAC Buffer Within River Shannon and River Fergus Estuaries SPA Buffer
1058	Turbine Delivery Route Option 3A	Limerick	25950	TDR 25m intervals	547768.86	652376.60	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Low (L)	>10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6310.19	No	No	Lower River Shannon SAC	River Shannon and River Fergus Estuaries SPA	No		ELEVATED RISK Within Lower River Shannon SAC Buffer Within River Shannon and River Fergus Estuaries SPA Buffer
1059	Turbine Delivery Route Option 3A	Limerick	25975	TDR 25m intervals	547792.97	652369.97	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Low (L)	>10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6286.70	No	No	No	River Shannon and River Fergus Estuaries SPA	No		ELEVATED RISK Within River Shannon and River Fergus Estuaries SPA Buffer
1060	Turbine Delivery Route Option 3A	Limerick	26000	TDR 25m intervals	547817.27	652364.09	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Low (L)	>10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6262.98	No	No	No	No	No		NA
1061	Turbine Delivery Route Option 3A	Limerick	26025	TDR 25m intervals	547841.56	652358.20	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Low (L)	>10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6239.26	No	No	No	No	No		NA
1062	Turbine Delivery Route Option 3A	Limerick	26050	TDR 25m intervals	547865.97	652352.83	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Low (L)	>10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6215.39	No	No	No	No	No		NA
1063	Turbine Delivery Route Option 3A	Limerick	26075	TDR 25m intervals	547890.54	652348.19	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Low (L)	>10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6191.32	No	No	No	No	No		NA
1064	Turbine Delivery Route Option 3A	Limerick	26100	TDR 25m intervals	547915.10	652343.55	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Low (L)	>10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6167.25	No	No	No	No	No		NA
1065	Turbine Delivery Route Option 3A	Limerick	26125	TDR 25m intervals	547939.76	652339.47	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Low (L)	>10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6143.05	No	No	No	No	No		NA
1066	Turbine Delivery Route Option 3A	Limerick	26150	TDR 25m intervals	547964.50	652335.89	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Low (L)	>10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6118.72	No	No	No	No	No		NA
1067	Turbine Delivery Route Option 3A	Limerick	26175	TDR 25m intervals	547989.36	652333.53	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Low (L)	>10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6094.18	No	No	No	No	No		NA
1068	Turbine Delivery Route Option 3A	Limerick	26200	TDR 25m intervals	548014.34	652332.41	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Low (L)	>10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6069.40	No	No	No	No	No		NA
1069	Turbine Delivery Route Option 3A	Limerick	26225	TDR 25m intervals	548039.32	652331.94	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Low (L)	>10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6044.56	No	No	No	No	No		NA
1070	Turbine Delivery Route Option 3A	Limerick	26250	TDR 25m intervals	548064.32	652332.25	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Low (L)	>10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6019.64	No	No	No	No	No		NA
1071	Turbine Delivery Route Option 3A	Limerick	26275	TDR 25m intervals	548089.32	652332.58	NA	NA	No	NA	TONLEGEE_010	Greanagh_SC_010	Low (L)	>10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5994.71	No	No	No	No	No		NA
1072	Turbine Delivery Route Option 3A	Limerick	26300	TDR 25m intervals	548114.32	652332.97	NA	NA	No	NA	KILMOREEN_010	Greanagh_SC_010	Low (L)	>10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5969.79	No	No	Lower River Shannon SAC	River Shannon and River Fergus Estuaries SPA	No		ELEVATED RISK Within Lower River Shannon SAC Buffer Within River Shannon and River Fergus Estuaries SPA Buffer
1073	Turbine Delivery Route Option 3A	Limerick	26325	TDR 25m intervals	548139.31	652332.57	NA	NA	No	NA	KILMOREEN_010	Greanagh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5944.94	No	No	Lower River Shannon SAC	River Shannon and River Fergus Estuaries SPA	No		ELEVATED RISK Within Lower River Shannon SAC Buffer Within River Shannon and River Fergus Estuaries SPA Buffer
1074	Turbine Delivery Route Option 3A	Limerick	26350	TDR 25m intervals	548164.04	652329.15	NA	NA	No	NA			Water	Water	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5920.63	No	No	Lower River Shannon SAC	River Shannon and River Fergus Estuaries SPA	Lower River Shannon SAC		ELEVATED RISK Within Lower River Shannon SAC Within River Shannon and River Fergus Estuaries SPA Buffer
1075	Turbine Delivery Route Option 3A	Limerick		TDR_WCC_120	548181.64	652325.84	WCC	NA	No	NA			Water	Water	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5920.63	No	No	Lower River Shannon SAC	River Shannon and River Fergus Estuaries SPA	Lower River Shannon SAC		ELEVATED RISK Within Lower River Shannon SAC Within River Shannon and River Fergus Estuaries SPA Buffer
1076	Turbine Delivery Route Option 3A	Limerick	26375	TDR 25m intervals	548188.77	652325.55	NA	NA	No	NA			Water	Water	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5896.35	No	No	Lower River Shannon SAC	River Shannon and River Fergus Estuaries SPA	Lower River Shannon SAC		ELEVATED RISK Within Lower River Shannon SAC Within River Shannon and River Fergus Estuaries SPA Buffer
1077	Turbine Delivery Route Option 3A	Limerick	26400	TDR 25m intervals	548213.61	652322.68	NA	NA	No	NA			Water	Water	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5871.90	No	No	Lower River Shannon SAC	River Shannon and River Fergus Estuaries SPA	Lower River Shannon SAC		ELEVATED RISK Within Lower River Shannon SAC Within River Shannon and River Fergus Estuaries SPA Buffer
1078	Turbine Delivery Route Option 3A	Limerick	26425	TDR 25m intervals	548238.44	652319.81	NA	NA	No	NA			Water	Water	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5847.45	No	No	Lower River Shannon SAC	River Shannon and River Fergus Estuaries SPA	Lower River Shannon SAC		ELEVATED RISK Within Lower River Shannon SAC Within River Shannon and River Fergus Estuaries SPA Buffer
1079	Turbine Delivery Route Option 3A	Limerick	26450	TDR 25m intervals	548263.29	652317.09	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5822.99	No	No	Lower River Shannon SAC	River Shannon and River Fergus Estuaries SPA	No		ELEVATED RISK Within Lower River Shannon SAC Buffer Within River Shannon and River Fergus Estuaries SPA Buffer

Appendix 10.3 - Baseline Database -Turbine Delivery Route, Option 3A
Oatfield WF, Co. Clare

Project Ref. 604569
Prepared by: Cca / DW
Date: 17/11/2023
File Ref: 604569-Geo-R03-App10.3-(00)-Baseline Database -Turbine Delivery Route

	TDR		Assessment Location		Grid Coordinates (ITM)		Construction Details		Surface Water				Groundwater / Bedrock Aquifer						Groundwater / Wells / Abstraction		Designated Areas			Assessment Graphics / Comment	
Row No.	Turbine Delivery Route (TDR)	County	Location ID	Assessment Location Category	Easting	Northing	Type of Water Crossing / Construction Activity	Approximate Construction Depth (Excavation / Drilling) Depth Relative to Ground Level)	SW 50m Buffer	Receptor Category (Mapped river = EPA / WFD mapped)	River basins	Subcatchments	Aquifer Vulnerability	Potential Depth to Bedrock (acc. To GSI categories)	GW Aquifer Type	Excavation in or near Bedrock (In line with GSI mapped Aquifer Vulnerability)	Karst 25m buffer	Distance to Karst Feature	GW Abstraction 250m Buffer	Groundwater Source Protection Area NFGWS	SAC 50m Buffer	SPA 50m Buffer	Within SAC / SPA / NHA ?	Map Tile Number	Comments & MITIGATION MEASURES
					ITM	ITM		mbGL	50m										250m						
1080	Turbine Delivery Route Option 3A	Limerick	26475	TDR 25m intervals	548288.29	652317.22	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5798.09	No	No	Lower River Shannon SAC	River Shannon and River Fergus Estuaries SPA	No		ELEVATED RISK Within Lower River Shannon SAC Buffer Within River Shannon and River Fergus Estuaries SPA Buffer
1081	Turbine Delivery Route Option 3A	Limerick	26500	TDR 25m intervals	548312.94	652321.24	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5773.16	No	No	No	No	No		NA
1082	Turbine Delivery Route Option 3A	Limerick	26525	TDR 25m intervals	548336.73	652328.77	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5748.75	No	No	No	No	No		NA
1083	Turbine Delivery Route Option 3A	Limerick	26550	TDR 25m intervals	548360.29	652337.13	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5724.49	No	No	No	No	No		NA
1084	Turbine Delivery Route Option 3A	Limerick	26575	TDR 25m intervals	548383.39	652346.67	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5700.57	No	No	No	No	No		NA
1085	Turbine Delivery Route Option 3A	Limerick	26600	TDR 25m intervals	548405.73	652357.87	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5677.27	No	No	No	No	No		NA
1086	Turbine Delivery Route Option 3A	Limerick	26625	TDR 25m intervals	548428.05	652369.14	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5654.00	No	No	No	No	No		NA
1087	Turbine Delivery Route Option 3A	Limerick	26650	TDR 25m intervals	548449.66	652381.66	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5631.35	No	No	No	No	No		NA
1088	Turbine Delivery Route Option 3A	Limerick	26675	TDR 25m intervals	548470.80	652395.00	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5609.10	No	No	No	No	No		NA
1089	Turbine Delivery Route Option 3A	Limerick	26700	TDR 25m intervals	548491.78	652408.60	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5587.02	No	No	No	No	No		NA
1090	Turbine Delivery Route Option 3A	Limerick	26725	TDR 25m intervals	548511.80	652423.56	NA	NA	Yes	BARNAKYLE_020	BARNAKYLE_020	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5565.80	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
1091	Turbine Delivery Route Option 3A	Limerick	26750	TDR 25m intervals	548530.34	652440.33	NA	NA	Yes	BARNAKYLE_020	BARNAKYLE_020	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5545.94	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
1092	Turbine Delivery Route Option 3A	Limerick		TDR_WCC_121	548542.54	652451.61	WCC	NA	Yes	BARNAKYLE_020	BARNAKYLE_020	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5545.94	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
1093	Turbine Delivery Route Option 3A	Limerick	26775	TDR 25m intervals	548548.88	652457.10	NA	NA	Yes	BARNAKYLE_020	BARNAKYLE_020	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5526.13	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
1094	Turbine Delivery Route Option 3A	Limerick	26800	TDR 25m intervals	548567.40	652473.90	NA	NA	Yes	BARNAKYLE_020	BARNAKYLE_020	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5506.38	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
1095	Turbine Delivery Route Option 3A	Limerick	26825	TDR 25m intervals	548585.91	652490.70	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5486.67	No	No	No	No	No		NA
1096	Turbine Delivery Route Option 3A	Limerick	26850	TDR 25m intervals	548604.42	652507.50	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5467.01	No	No	No	No	No		NA
1097	Turbine Delivery Route Option 3A	Limerick	26875	TDR 25m intervals	548622.93	652524.31	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5447.40	No	No	No	No	No		NA
1098	Turbine Delivery Route Option 3A	Limerick	26900	TDR 25m intervals	548641.44	652541.11	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5427.83	No	No	No	No	No		NA
1099	Turbine Delivery Route Option 3A	Limerick	26925	TDR 25m intervals	548659.95	652557.91	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5408.30	No	No	No	No	No		NA
1100	Turbine Delivery Route Option 3A	Limerick	26950	TDR 25m intervals	548678.20	652575.00	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5389.07	No	No	No	No	No		NA
1101	Turbine Delivery Route Option 3A	Limerick	26975	TDR 25m intervals	548696.13	652592.42	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5370.18	No	No	No	No	No		NA
1102	Turbine Delivery Route Option 3A	Limerick	27000	TDR 25m intervals	548714.05	652609.84	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5351.34	No	No	No	No	No		NA
1103	Turbine Delivery Route Option 3A	Limerick	27025	TDR 25m intervals	548731.98	652627.27	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5332.56	No	No	No	No	No		NA
1104	Turbine Delivery Route Option 3A	Limerick	27050	TDR 25m intervals	548749.91	652644.69	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5313.82	No	No	No	No	No		NA
1105	Turbine Delivery Route Option 3A	Limerick	27075	TDR 25m intervals	548767.84	652662.12	NA	NA	Yes	BARNAKYLE_020	BARNAKYLE_020	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5295.14	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
1106	Turbine Delivery Route Option 3A	Limerick	27100	TDR 25m intervals	548785.89	652679.41	NA	NA	Yes	BARNAKYLE_020	BARNAKYLE_020	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5276.39	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
1107	Turbine Delivery Route Option 3A	Limerick	27125	TDR 25m intervals	548803.96	652696.69	NA	NA	Yes	BARNAKYLE_020	BARNAKYLE_020	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5257.68	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
1108	Turbine Delivery Route Option 3A	Limerick	27150	TDR 25m intervals	548822.02	652713.97	NA	NA	Yes	BARNAKYLE_020	BARNAKYLE_020	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5239.02	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
1109	Turbine Delivery Route Option 3A	Limerick	27175	TDR 25m intervals	548840.09	652731.25	NA	NA	Yes	BARNAKYLE_020	BARNAKYLE_020	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5220.42	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
1110	Turbine Delivery Route Option 3A	Limerick	27200	TDR 25m intervals	548858.16	652748.53	NA	NA	Yes	BARNAKYLE_020	BARNAKYLE_020	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5201.86	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
1111	Turbine Delivery Route Option 3A	Limerick	27225	TDR 25m intervals	548876.21	652765.82	NA	NA	Yes	BARNAKYLE_020	BARNAKYLE_020	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5183.38	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
1112	Turbine Delivery Route Option 3A	Limerick	27250	TDR 25m intervals	548894.14	652783.25	NA	NA	Yes	BARNAKYLE_020	BARNAKYLE_020	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5165.07	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
1113	Turbine Delivery Route Option 3A	Limerick	27275	TDR 25m intervals	548912.07	652800.67	NA	NA	Yes	BARNAKYLE_020	BARNAKYLE_020	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5146.82	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
1114	Turbine Delivery Route Option 3A	Limerick	27300	TDR 25m intervals	548930.00	652818.09	NA	NA	Yes	BARNAKYLE_020	BARNAKYLE_020	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5128.62	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
1115	Turbine Delivery Route Option 3A	Limerick		TDR_WCC_122	548944.07	652830.48	WCC	NA	Yes	BARNAKYLE_020	BARNAKYLE_020	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5128.62	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
1116	Turbine Delivery Route Option 3A	Limerick	27325	TDR 25m intervals	548947.93	652835.51	NA	NA	Yes	BARNAKYLE_020	BARNAKYLE_020	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5110.48	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
1117	Turbine Delivery Route Option 3A	Limerick	27350	TDR 25m intervals	548965.86	652852.93	NA	NA	Yes	BARNAKYLE_020	BARNAKYLE_020	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5092.40	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
1118	Turbine Delivery Route Option 3A	Limerick	27375	TDR 25m intervals	548983.80	652870.34	NA	NA	Yes	BARNAKYLE_020	BARNAKYLE_020	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5074.37	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
1119	Turbine Delivery Route Option 3A	Limerick	27400	TDR 25m intervals	549001.75	652887.75	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5056.39	No	No	No	No	No		NA
1120	Turbine Delivery Route Option 3A	Limerick	27425	TDR 25m intervals	549019.69	652905.16	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5038.48	No	No	No	No	No		NA
1121	Turbine Delivery Route Option 3A	Limerick	27450	TDR 25m intervals	549037.63	652922.57	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5020.62	No	No	No	No	No		NA
1122	Turbine Delivery Route Option 3A	Limerick	27475	TDR 25m intervals	549055.66	652939.89	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5002.74	No	No	No	No	No		NA
1123	Turbine Delivery Route Option 3A	Limerick	27500	TDR 25m intervals	549073.74	652957.15	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	4984.87	No	No	No	No	No		NA
1124	Turbine Delivery Route Option 3A	Limerick	27525	TDR 25m intervals	549091.82	652974.42	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	4967.06	No	No	No	No	No		NA
1125	Turbine Delivery Route Option 3A	Limerick	27550	TDR 25m intervals	549109.90	652991.68	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	4949.31	No	No	No	No	No		NA
1126	Turbine Delivery Route Option 3A	Limerick	27575	TDR 25m intervals	549127.98	653008.95	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	4931.63	No	No	No	No	No		NA

Appendix 10.3 - Baseline Database -Turbine Delivery Route, Option 3A
Oatfield WF, Co. Clare

Project Ref. 604569
Prepared by: Cca / DW
Date: 17/11/2023
File Ref: 604569-Geo-R03-App10.3-(00)-Baseline Database -Turbine Delivery Route

	TDR		Assessment Location		Grid Coordinates (ITM)		Construction Details		Surface Water				Groundwater / Bedrock Aquifer						Groundwater / Wells / Abstraction		Designated Areas			Assessment Graphics / Comment	
Row No.	Turbine Delivery Route (TDR)	County	Location ID	Assessment Location Category	Easting	Northing	Type of Water Crossing / Construction Activity	Approximate Construction Depth (Excavation / Drilling) Depth Relative to Ground Level)	SW 50m Buffer	Receptor Category (Mapped river = EPA / WFD mapped)	River basins	Subcatchments	Aquifer Vulnerability	Potential Depth to Bedrock (acc. To GSI categories)	GW Aquifer Type	Excavation in or near Bedrock (In line with GSI mapped Aquifer Vulnerability)	Karst 25m buffer	Distance to Karst Feature	GW Abstraction 250m Buffer	Groundwater Source Protection Area NFGWS	SAC 50m Buffer	SPA 50m Buffer	Within SAC / SPA / NHA ?	Map Tile Number	Comments & MITIGATION MEASURES
					ITM	ITM		mbGL	50m										250m						
1127	Turbine Delivery Route Option 3A	Limerick	27600	TDR 25m intervals	549146.00	653026.28	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	4914.07	No	No	No	No	No		NA
1128	Turbine Delivery Route Option 3A	Limerick	27625	TDR 25m intervals	549163.79	653043.84	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	4896.82	No	No	No	No	No		NA
1129	Turbine Delivery Route Option 3A	Limerick	27650	TDR 25m intervals	549181.58	653061.41	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	4879.63	No	No	No	No	No		NA
1130	Turbine Delivery Route Option 3A	Limerick	27675	TDR 25m intervals	549199.37	653078.98	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	4862.51	No	No	No	No	No		NA
1131	Turbine Delivery Route Option 3A	Limerick	27700	TDR 25m intervals	549217.15	653096.54	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	4845.46	No	No	No	No	No		NA
1132	Turbine Delivery Route Option 3A	Limerick	27725	TDR 25m intervals	549234.75	653114.31	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	4828.68	No	No	No	No	No		NA
1133	Turbine Delivery Route Option 3A	Limerick	27750	TDR 25m intervals	549252.19	653132.20	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	4812.13	No	No	No	No	No		NA
1134	Turbine Delivery Route Option 3A	Limerick	27775	TDR 25m intervals	549267.82	653151.72	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	4797.56	No	No	No	No	No		NA
1135	Turbine Delivery Route Option 3A	Limerick	27800	TDR 25m intervals	549283.44	653171.24	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	4783.07	No	No	No	No	No		NA
1136	Turbine Delivery Route Option 3A	Limerick	27825	TDR 25m intervals	549297.43	653191.94	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	4770.38	No	No	No	No	No		NA
1137	Turbine Delivery Route Option 3A	Limerick	27850	TDR 25m intervals	549310.69	653213.12	NA	NA	Yes	BARNAKYLE_020	BARNAKYLE_020	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	4758.55	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
1138	Turbine Delivery Route Option 3A	Limerick	27875	TDR 25m intervals	549323.04	653234.85	NA	NA	Yes	BARNAKYLE_020	BARNAKYLE_020	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	4747.76	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
1139	Turbine Delivery Route Option 3A	Limerick	27900	TDR 25m intervals	549335.59	653256.47	NA	NA	Yes	BARNAKYLE_020	BARNAKYLE_020	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	4736.88	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
1140	Turbine Delivery Route Option 3A	Limerick		TDR_WCC_123	549344.03	653271.06	WCC	NA	Yes	BARNAKYLE_020	BARNAKYLE_020	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	4736.88	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
1141	Turbine Delivery Route Option 3A	Limerick	27925	TDR 25m intervals	549348.65	653277.79	NA	NA	Yes	BARNAKYLE_020	BARNAKYLE_020	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	4725.58	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
1142	Turbine Delivery Route Option 3A	Limerick	27950	TDR 25m intervals	549362.99	653298.23	NA	NA	Yes	BARNAKYLE_020	BARNAKYLE_020	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	4713.02	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
1143	Turbine Delivery Route Option 3A	Limerick	27975	TDR 25m intervals	549379.08	653317.22	NA	NA	Yes	BARNAKYLE_020	BARNAKYLE_020	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	4698.69	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
1144	Turbine Delivery Route Option 3A	Limerick	28000	TDR 25m intervals	549398.16	653333.38	NA	NA	Yes	BARNAKYLE_020	BARNAKYLE_020	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	4681.20	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
1145	Turbine Delivery Route Option 3A	Limerick	28025	TDR 25m intervals	549417.66	653348.97	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	4663.29	No	No	No	No	No		NA
1146	Turbine Delivery Route Option 3A	Limerick	28050	TDR 25m intervals	549438.44	653362.87	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	4644.02	No	No	No	No	No		NA
1147	Turbine Delivery Route Option 3A	Limerick	28075	TDR 25m intervals	549460.57	653374.40	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	4623.20	No	No	No	No	No		NA
1148	Turbine Delivery Route Option 3A	Limerick	28100	TDR 25m intervals	549483.68	653383.84	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	4601.23	No	No	No	No	No		NA
1149	Turbine Delivery Route Option 3A	Limerick	28125	TDR 25m intervals	549507.27	653392.11	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	4578.67	No	No	No	No	No		NA
1150	Turbine Delivery Route Option 3A	Limerick	28150	TDR 25m intervals	549530.89	653400.31	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	4556.11	No	No	No	No	No		NA
1151	Turbine Delivery Route Option 3A	Limerick	28175	TDR 25m intervals	549554.64	653408.11	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	4533.40	No	No	No	No	No		NA
1152	Turbine Delivery Route Option 3A	Limerick	28200	TDR 25m intervals	549578.38	653415.96	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	4510.73	No	No	No	No	No		NA
1153	Turbine Delivery Route Option 3A	Limerick	28225	TDR 25m intervals	549602.07	653423.94	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	4488.15	No	No	No	No	No		NA
1154	Turbine Delivery Route Option 3A	Limerick	28250	TDR 25m intervals	549625.76	653431.92	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	4465.59	No	No	No	No	No		NA
1155	Turbine Delivery Route Option 3A	Limerick	28275	TDR 25m intervals	549649.44	653439.95	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	4443.08	No	No	No	No	No		NA
1156	Turbine Delivery Route Option 3A	Limerick	28300	TDR 25m intervals	549673.10	653448.00	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	4420.60	No	No	No	No	No		NA
1157	Turbine Delivery Route Option 3A	Limerick	28325	TDR 25m intervals	549696.78	653456.03	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	4398.15	No	No	No	No	No		NA
1158	Turbine Delivery Route Option 3A	Limerick	28350	TDR 25m intervals	549720.82	653462.88	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	4375.20	No	No	No	No	No		NA
1159	Turbine Delivery Route Option 3A	Limerick	28375	TDR 25m intervals	549744.85	653469.77	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	4352.29	No	No	No	No	No		NA
1160	Turbine Delivery Route Option 3A	Limerick	28400	TDR 25m intervals	549768.76	653477.10	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	4329.59	No	No	No	No	No		NA
1161	Turbine Delivery Route Option 3A	Limerick	28425	TDR 25m intervals	549792.59	653484.63	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	4307.01	No	No	No	No	No		NA
1162	Turbine Delivery Route Option 3A	Limerick	28450	TDR 25m intervals	549816.32	653492.49	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	4284.61	No	No	No	No	No		NA
1163	Turbine Delivery Route Option 3A	Limerick	28475	TDR 25m intervals	549840.12	653500.16	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	4262.15	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1164	Turbine Delivery Route Option 3A	Limerick	28500	TDR 25m intervals	549863.87	653507.94	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	4239.77	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1165	Turbine Delivery Route Option 3A	Limerick	28525	TDR 25m intervals	549887.36	653516.51	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	4217.80	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1166	Turbine Delivery Route Option 3A	Limerick	28550	TDR 25m intervals	549910.84	653525.08	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	4195.87	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1167	Turbine Delivery Route Option 3A	Limerick	28575	TDR 25m intervals	549934.73	653532.43	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	4173.39	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1168	Turbine Delivery Route Option 3A	Limerick	28600	TDR 25m intervals	549958.72	653539.47	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	4150.79	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1169	Turbine Delivery Route Option 3A	Limerick	28625	TDR 25m intervals	549982.71	653546.51	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	4128.22	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1170	Turbine Delivery Route Option 3A	Limerick	28650	TDR 25m intervals	550006.69	653553.57	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	4105.68	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1171	Turbine Delivery Route Option 3A	Limerick	28675	TDR 25m intervals	550030.68	653560.62	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	4083.17	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1172	Turbine Delivery Route Option 3A	Limerick	28700	TDR 25m intervals	550054.54	653568.06	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	4060.86	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1173	Turbine Delivery Route Option 3A	Limerick	28725	TDR 25m intervals	550078.28	653575.89	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	4038.78	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone

Appendix 10.3 - Baseline Database -Turbine Delivery Route, Option 3A
Oatfield WF, Co. Clare

Project Ref. 604569
Prepared by: Cca / DW
Date: 17/11/2023
File Ref: 604569-Geo-R03-App10.3-(00)-Baseline Database -Turbine Delivery Route

	TDR		Assessment Location		Grid Coordinates (ITM)		Construction Details		Surface Water				Groundwater / Bedrock Aquifer						Groundwater / Wells / Abstraction		Designated Areas			Assessment Graphics / Comment	
Row No.	Turbine Delivery Route (TDR)	County	Location ID	Assessment Location Category	Easting	Northing	Type of Water Crossing / Construction Activity	Approximate Construction Depth (Excavation / Drilling) Depth Relative to Ground Level)	SW 50m Buffer	Receptor Category (Mapped river = EPA / WFD mapped)	River basins	Subcatchments	Aquifer Vulnerability	Potential Depth to Bedrock (acc. To GSI categories)	GW Aquifer Type	Excavation in or near Bedrock (In line with GSI mapped Aquifer Vulnerability)	Karst 25m buffer	Distance to Karst Feature	GW Abstraction 250m Buffer	Groundwater Source Protection Area NFGWS	SAC 50m Buffer	SPA 50m Buffer	Within SAC / SPA / NHA ?	Map Tile Number	Comments & MITIGATION MEASURES
					ITM	ITM		mbGL	50m										250m						
1174	Turbine Delivery Route Option 3A	Limerick	28750	TDR 25m intervals	550102.06	653583.60	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	4016.68	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1175	Turbine Delivery Route Option 3A	Limerick	28775	TDR 25m intervals	550125.89	653591.18	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	3994.55	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1176	Turbine Delivery Route Option 3A	Limerick	28800	TDR 25m intervals	550149.71	653598.76	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	3972.44	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1177	Turbine Delivery Route Option 3A	Limerick	28825	TDR 25m intervals	550173.57	653606.24	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	3950.33	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1178	Turbine Delivery Route Option 3A	Limerick	28850	TDR 25m intervals	550197.43	653613.68	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	3928.23	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1179	Turbine Delivery Route Option 3A	Limerick	28875	TDR 25m intervals	550221.30	653621.13	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	3906.16	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1180	Turbine Delivery Route Option 3A	Limerick	28900	TDR 25m intervals	550245.19	653628.48	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	3884.09	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1181	Turbine Delivery Route Option 3A	Limerick	28925	TDR 25m intervals	550269.14	653635.65	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	3861.96	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1182	Turbine Delivery Route Option 3A	Limerick	28950	TDR 25m intervals	550293.09	653642.82	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	3839.87	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1183	Turbine Delivery Route Option 3A	Limerick	28975	TDR 25m intervals	550317.02	653650.04	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	3817.84	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1184	Turbine Delivery Route Option 3A	Limerick	29000	TDR 25m intervals	550340.92	653657.40	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	3795.91	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1185	Turbine Delivery Route Option 3A	Limerick	29025	TDR 25m intervals	550364.81	653664.76	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	3774.02	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1186	Turbine Delivery Route Option 3A	Limerick	29050	TDR 25m intervals	550388.70	653672.12	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	3752.17	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1187	Turbine Delivery Route Option 3A	Limerick	29075	TDR 25m intervals	550412.60	653679.45	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	3730.35	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1188	Turbine Delivery Route Option 3A	Limerick	29100	TDR 25m intervals	550436.54	653686.65	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	3708.50	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1189	Turbine Delivery Route Option 3A	Limerick	29125	TDR 25m intervals	550460.48	653693.86	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	3686.70	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1190	Turbine Delivery Route Option 3A	Limerick	29150	TDR 25m intervals	550484.42	653701.06	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	3664.93	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1191	Turbine Delivery Route Option 3A	Limerick	29175	TDR 25m intervals	550508.36	653708.27	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	3643.21	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1192	Turbine Delivery Route Option 3A	Limerick	29200	TDR 25m intervals	550532.30	653715.47	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	3621.52	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1193	Turbine Delivery Route Option 3A	Limerick	29225	TDR 25m intervals	550556.33	653722.36	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	3599.72	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1194	Turbine Delivery Route Option 3A	Limerick	29250	TDR 25m intervals	550580.36	653729.25	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	3577.96	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1195	Turbine Delivery Route Option 3A	Limerick	29275	TDR 25m intervals	550604.40	653736.14	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	3556.24	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1196	Turbine Delivery Route Option 3A	Limerick	29300	TDR 25m intervals	550628.43	653743.03	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	3534.56	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1197	Turbine Delivery Route Option 3A	Limerick	29325	TDR 25m intervals	550652.46	653749.92	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	3512.93	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1198	Turbine Delivery Route Option 3A	Limerick	29350	TDR 25m intervals	550676.49	653756.81	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	3491.35	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1199	Turbine Delivery Route Option 3A	Limerick	29375	TDR 25m intervals	550700.50	653763.79	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	3469.85	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1200	Turbine Delivery Route Option 3A	Limerick	29400	TDR 25m intervals	550724.50	653770.77	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	3448.41	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1201	Turbine Delivery Route Option 3A	Limerick	29425	TDR 25m intervals	550748.51	653777.76	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	3427.02	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1202	Turbine Delivery Route Option 3A	Limerick	29450	TDR 25m intervals	550772.51	653784.74	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	3405.68	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1203	Turbine Delivery Route Option 3A	Limerick	29475	TDR 25m intervals	550796.54	653791.63	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	3384.33	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1204	Turbine Delivery Route Option 3A	Limerick	29500	TDR 25m intervals	550820.68	653798.15	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	3362.83	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1205	Turbine Delivery Route Option 3A	Limerick	29525	TDR 25m intervals	550844.81	653804.66	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	3341.39	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1206	Turbine Delivery Route Option 3A	Limerick	29550	TDR 25m intervals	550868.95	653811.18	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	3319.99	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1207	Turbine Delivery Route Option 3A	Limerick	29575	TDR 25m intervals	550893.08	653817.70	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	3298.64	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1208	Turbine Delivery Route Option 3A	Limerick	29600	TDR 25m intervals	550917.09	653824.67	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	3277.60	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1209	Turbine Delivery Route Option 3A	Limerick	29625	TDR 25m intervals	550941.10	653831.66	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	3256.62	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1210	Turbine Delivery Route Option 3A	Limerick	29650	TDR 25m intervals	550965.10	653838.64	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	3235.69	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1211	Turbine Delivery Route Option 3A	Limerick	29675	TDR 25m intervals	550989.11	653845.62	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	3214.83	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1212	Turbine Delivery Route Option 3A	Limerick	29700	TDR 25m intervals	551013.11	653852.61	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	3194.02	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1213	Turbine Delivery Route Option 3A	Limerick	29725	TDR 25m intervals	551037.12	653859.59	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	3173.28	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1214	Turbine Delivery Route Option 3A	Limerick	29750	TDR 25m intervals	551061.12	653866.57	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	3152.59	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1215	Turbine Delivery Route Option 3A	Limerick	29775	TDR 25m intervals	551085.13	653873.55	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	3131.97	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1216	Turbine Delivery Route Option 3A	Limerick	29800	TDR 25m intervals	551108.89	653881.18	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	3111.85	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1217	Turbine Delivery Route Option 3A	Limerick	29825	TDR 25m intervals	551131.51	653891.82	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	3093.85	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1218	Turbine Delivery Route Option 3A	Limerick	29850	TDR 25m intervals	551153.49	653903.62	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	3076.95	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1219	Turbine Delivery Route Option 3A	Limerick	29875	TDR 25m intervals	551174.38	653917.35	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	3061.83	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1220	Turbine Delivery Route Option 3A	Limerick	29900	TDR 25m intervals	551194.66	653931.97	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	3047.72	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone

Appendix 10.3 - Baseline Database -Turbine Delivery Route, Option 3A
Oatfield WF, Co. Clare

Project Ref. 604569
Prepared by: Cca / DW
Date: 17/11/2023
File Ref: 604569-Geo-R03-App10.3-(00)-Baseline Database -Turbine Delivery Route

	TDR		Assessment Location		Grid Coordinates (ITM)		Construction Details		Surface Water				Groundwater / Bedrock Aquifer						Groundwater / Wells / Abstraction		Designated Areas			Assessment Graphics / Comment	
Row No.	Turbine Delivery Route (TDR)	County	Location ID	Assessment Location Category	Easting	Northing	Type of Water Crossing / Construction Activity	Approximate Construction Depth (Excavation / Drilling) Depth Relative to Ground Level)	SW 50m Buffer	Receptor Category (Mapped river = EPA / WFD mapped)	River basins	Subcatchments	Aquifer Vulnerability	Potential Depth to Bedrock (acc. To GSI categories)	GW Aquifer Type	Excavation in or near Bedrock (In line with GSI mapped Aquifer Vulnerability)	Karst 25m buffer	Distance to Karst Feature	GW Abstraction 250m Buffer	Groundwater Source Protection Area NFGWS	SAC 50m Buffer	SPA 50m Buffer	Within SAC / SPA / NHA ?	Map Tile Number	Comments & MITIGATION MEASURES
					ITM	ITM		mbGL	50m										250m						
1221	Turbine Delivery Route Option 3A	Limerick	29925	TDR 25m intervals	551214.57	653947.08	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	3034.26	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1222	Turbine Delivery Route Option 3A	Limerick	29950	TDR 25m intervals	551234.57	653962.09	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	3020.83	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1223	Turbine Delivery Route Option 3A	Limerick	29975	TDR 25m intervals	551254.68	653976.94	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	3007.39	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1224	Turbine Delivery Route Option 3A	Limerick	30000	TDR 25m intervals	551274.79	653991.79	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2994.10	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1225	Turbine Delivery Route Option 3A	Limerick	30025	TDR 25m intervals	551294.88	654006.66	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	Rock near surface or karst (X)	<1m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2980.98	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1226	Turbine Delivery Route Option 3A	Limerick	30050	TDR 25m intervals	551314.75	654021.84	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	Rock near surface or karst (X)	<1m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2968.35	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1227	Turbine Delivery Route Option 3A	Limerick	30075	TDR 25m intervals	551334.61	654037.03	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	Rock near surface or karst (X)	<1m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2955.87	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1228	Turbine Delivery Route Option 3A	Limerick	30100	TDR 25m intervals	551355.25	654051.12	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	Rock near surface or karst (X)	<1m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2942.41	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1229	Turbine Delivery Route Option 3A	Limerick	30125	TDR 25m intervals	551376.43	654064.39	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	Rock near surface or karst (X)	<1m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2928.28	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1230	Turbine Delivery Route Option 3A	Limerick	30150	TDR 25m intervals	551398.39	654076.26	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	Rock near surface or karst (X)	<1m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2913.00	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1231	Turbine Delivery Route Option 3A	Limerick	30175	TDR 25m intervals	551421.29	654086.29	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	Rock near surface or karst (X)	<1m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2896.25	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1232	Turbine Delivery Route Option 3A	Limerick	30200	TDR 25m intervals	551444.90	654094.47	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	Rock near surface or karst (X)	<1m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2878.18	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1233	Turbine Delivery Route Option 3A	Limerick	30225	TDR 25m intervals	551468.79	654101.85	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	Rock near surface or karst (X)	<1m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2859.64	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1234	Turbine Delivery Route Option 3A	Limerick	30250	TDR 25m intervals	551493.20	654107.21	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	Rock near surface or karst (X)	<1m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2839.85	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1235	Turbine Delivery Route Option 3A	Limerick	30275	TDR 25m intervals	551517.97	654110.59	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	Rock near surface or karst (X)	<1m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2818.96	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1236	Turbine Delivery Route Option 3A	Limerick	30300	TDR 25m intervals	551542.84	654113.16	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	Rock near surface or karst (X)	<1m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2797.70	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1237	Turbine Delivery Route Option 3A	Limerick	30325	TDR 25m intervals	551567.77	654114.65	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	Rock near surface or karst (X)	<1m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2775.97	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1238	Turbine Delivery Route Option 3A	Limerick	30350	TDR 25m intervals	551592.77	654115.10	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	Rock near surface or karst (X)	<1m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2753.77	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1239	Turbine Delivery Route Option 3A	Limerick	30375	TDR 25m intervals	551617.76	654114.67	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2731.22	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1240	Turbine Delivery Route Option 3A	Limerick	30400	TDR 25m intervals	551642.74	654113.75	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2708.51	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1241	Turbine Delivery Route Option 3A	Limerick	30425	TDR 25m intervals	551667.72	654112.83	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2685.83	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1242	Turbine Delivery Route Option 3A	Limerick	30450	TDR 25m intervals	551692.71	654111.92	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2663.20	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1243	Turbine Delivery Route Option 3A	Limerick	30475	TDR 25m intervals	551717.69	654111.00	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2640.61	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1244	Turbine Delivery Route Option 3A	Limerick	30500	TDR 25m intervals	551742.67	654110.08	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2618.07	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1245	Turbine Delivery Route Option 3A	Limerick	30525	TDR 25m intervals	551767.65	654109.16	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2595.57	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1246	Turbine Delivery Route Option 3A	Limerick	30550	TDR 25m intervals	551792.64	654108.25	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2573.11	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1247	Turbine Delivery Route Option 3A	Limerick	30575	TDR 25m intervals	551817.62	654107.33	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2550.70	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1248	Turbine Delivery Route Option 3A	Limerick	30600	TDR 25m intervals	551842.60	654106.41	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2528.35	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1249	Turbine Delivery Route Option 3A	Limerick	30625	TDR 25m intervals	551867.57	654105.17	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2505.90	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1250	Turbine Delivery Route Option 3A	Limerick	30650	TDR 25m intervals	551892.50	654103.28	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2483.21	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1251	Turbine Delivery Route Option 3A	Limerick	30675	TDR 25m intervals	551917.43	654101.39	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2460.57	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1252	Turbine Delivery Route Option 3A	Limerick	30700	TDR 25m intervals	551942.35	654099.50	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2437.97	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1253	Turbine Delivery Route Option 3A	Limerick	30725	TDR 25m intervals	551967.28	654097.61	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2415.42	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1254	Turbine Delivery Route Option 3A	Limerick	30750	TDR 25m intervals	551992.21	654095.72	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2392.92	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1255	Turbine Delivery Route Option 3A	Limerick	30775	TDR 25m intervals	552017.14	654093.83	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2370.47	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1256	Turbine Delivery Route Option 3A	Limerick	30800	TDR 25m intervals	552042.07	654091.94	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2348.07	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1257	Turbine Delivery Route Option 3A	Limerick	30825	TDR 25m intervals	552067.00	654090.05	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2325.73	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1258	Turbine Delivery Route Option 3A	Limerick	30850	TDR 25m intervals	552091.92	654088.16	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2303.44	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1259	Turbine Delivery Route Option 3A	Limerick	30875	TDR 25m intervals	552116.85	654086.26	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2281.20	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1260	Turbine Delivery Route Option 3A	Limerick	30900	TDR 25m intervals	552141.78	654084.37	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2259.03	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1261	Turbine Delivery Route Option 3A	Limerick	30925	TDR 25m intervals	552166.71	654082.48	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2236.91	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1262	Turbine Delivery Route Option 3A	Limerick	30950	TDR 25m intervals	552191.64	654080.59	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2214.85	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1263	Turbine Delivery Route Option 3A	Limerick	30975	TDR 25m intervals	552216.57	654078.70	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2192.86	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1264	Turbine Delivery Route Option 3A	Limerick	31000	TDR 25m intervals	552241.50	654076.81	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2170.93	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1265	Turbine Delivery Route Option 3A	Limerick	31025	TDR 25m intervals	552266.42	654074.92	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2149.07	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1266	Turbine Delivery Route Option 3A	Limerick	31050	TDR 25m intervals	552291.35	654073.03	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2127.28	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1267	Turbine Delivery Route Option 3A	Limerick	31075	TDR 25m intervals	552316.28	654071.15	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2105.57	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone

Appendix 10.3 - Baseline Database -Turbine Delivery Route, Option 3A
Oatfield WF, Co. Clare

Project Ref. 604569
Prepared by: Cca / DW
Date: 17/11/2023
File Ref: 604569-Geo-R03-App10.3-(00)-Baseline Database -Turbine Delivery Route

	TDR		Assessment Location		Grid Coordinates (ITM)		Construction Details		Surface Water				Groundwater / Bedrock Aquifer						Groundwater / Wells / Abstraction		Designated Areas			Assessment Graphics / Comment	
Row No.	Turbine Delivery Route (TDR)	County	Location ID	Assessment Location Category	Easting	Northing	Type of Water Crossing / Construction Activity	Approximate Construction Depth (Excavation / Drilling) Depth Relative to Ground Level)	SW 50m Buffer	Receptor Category (Mapped river = EPA / WFD mapped)	River basins	Subcatchments	Aquifer Vulnerability	Potential Depth to Bedrock (acc. To GSI categories)	GW Aquifer Type	Excavation in or near Bedrock (In line with GSI mapped Aquifer Vulnerability)	Karst 25m buffer	Distance to Karst Feature	GW Abstraction 250m Buffer	Groundwater Source Protection Area NFGWS	SAC 50m Buffer	SPA 50m Buffer	Within SAC / SPA / NHA ?	Map Tile Number	Comments & MITIGATION MEASURES
					ITM	ITM		mbGL	50m										250m						
1268	Turbine Delivery Route Option 3A	Limerick	31100	TDR 25m intervals	552341.26	654070.15	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2084.39	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1269	Turbine Delivery Route Option 3A	Limerick	31125	TDR 25m intervals	552366.24	654069.16	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2063.29	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1270	Turbine Delivery Route Option 3A	Limerick	31150	TDR 25m intervals	552391.22	654068.16	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2042.29	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1271	Turbine Delivery Route Option 3A	Limerick	31175	TDR 25m intervals	552416.20	654067.16	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2021.37	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1272	Turbine Delivery Route Option 3A	Limerick	31200	TDR 25m intervals	552441.18	654066.17	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2000.55	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1273	Turbine Delivery Route Option 3A	Limerick	31225	TDR 25m intervals	552466.16	654065.17	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	1979.82	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1274	Turbine Delivery Route Option 3A	Limerick	31250	TDR 25m intervals	552491.14	654064.17	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	1959.20	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1275	Turbine Delivery Route Option 3A	Limerick	31275	TDR 25m intervals	552516.14	654064.01	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	1939.17	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1276	Turbine Delivery Route Option 3A	Limerick	31300	TDR 25m intervals	552541.14	654064.07	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	1919.39	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1277	Turbine Delivery Route Option 3A	Limerick	31325	TDR 25m intervals	552566.14	654064.13	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	1899.73	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1278	Turbine Delivery Route Option 3A	Limerick	31350	TDR 25m intervals	552591.14	654064.19	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	1880.21	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1279	Turbine Delivery Route Option 3A	Limerick	31375	TDR 25m intervals	552616.14	654064.45	NA	NA	No	NA	BARNAKYLE_020	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	1860.94	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1280	Turbine Delivery Route Option 3A	Limerick	31400	TDR 25m intervals	552641.13	654064.91	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	1841.93	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1281	Turbine Delivery Route Option 3A	Limerick	31425	TDR 25m intervals	552666.13	654065.37	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	1823.08	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1282	Turbine Delivery Route Option 3A	Limerick	31450	TDR 25m intervals	552691.12	654065.83	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	1804.37	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1283	Turbine Delivery Route Option 3A	Limerick	31475	TDR 25m intervals	552716.12	654066.29	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	1785.82	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1284	Turbine Delivery Route Option 3A	Limerick	31500	TDR 25m intervals	552741.11	654066.69	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	1767.38	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1285	Turbine Delivery Route Option 3A	Limerick	31525	TDR 25m intervals	552766.11	654066.92	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	1748.99	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1286	Turbine Delivery Route Option 3A	Limerick	31550	TDR 25m intervals	552791.11	654067.16	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	1730.77	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1287	Turbine Delivery Route Option 3A	Limerick	31575	TDR 25m intervals	552816.11	654067.39	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	1712.72	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1288	Turbine Delivery Route Option 3A	Limerick	31600	TDR 25m intervals	552841.11	654067.62	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	1694.85	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1289	Turbine Delivery Route Option 3A	Limerick	87900	TDR 25m intervals	552866.11	654067.85	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	1677.16	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1290	Turbine Delivery Route Option 3A	Limerick	31650	TDR 25m intervals	552891.11	654068.09	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	1659.65	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1291	Turbine Delivery Route Option 3A	Limerick	31675	TDR 25m intervals	552916.02	654070.15	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	1643.72	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1292	Turbine Delivery Route Option 3A	Limerick	31700	TDR 25m intervals	552940.76	654073.50	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	1629.07	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1293	Turbine Delivery Route Option 3A	Limerick	31725	TDR 25m intervals	552965.15	654078.87	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	1616.40	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1294	Turbine Delivery Route Option 3A	Limerick	31750	TDR 25m intervals	552989.11	654086.01	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	1605.62	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1295	Turbine Delivery Route Option 3A	Limerick	31775	TDR 25m intervals	553011.82	654096.46	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	1598.50	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1296	Turbine Delivery Route Option 3A	Limerick	31800	TDR 25m intervals	553034.26	654107.47	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	1592.33	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1297	Turbine Delivery Route Option 3A	Limerick	31825	TDR 25m intervals	553056.59	654118.71	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	1586.78	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1298	Turbine Delivery Route Option 3A	Limerick	31850	TDR 25m intervals	553078.88	654130.04	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	1581.69	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1299	Turbine Delivery Route Option 3A	Limerick	31875	TDR 25m intervals	553101.16	654141.37	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	1576.99	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1300	Turbine Delivery Route Option 3A	Limerick	31900	TDR 25m intervals	553123.45	654152.69	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	1572.67	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1301	Turbine Delivery Route Option 3A	Limerick	31925	TDR 25m intervals	553145.74	654164.02	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	1568.74	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1302	Turbine Delivery Route Option 3A	Limerick	31950	TDR 25m intervals	553168.02	654175.35	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	1565.20	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1303	Turbine Delivery Route Option 3A	Limerick	87375	TDR 25m intervals	553190.10	654187.08	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	1562.50	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1304	Turbine Delivery Route Option 3A	Limerick	32000	TDR 25m intervals	553212.18	654198.81	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	1560.20	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1305	Turbine Delivery Route Option 3A	Limerick	32025	TDR 25m intervals	553234.26	654210.54	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	1558.30	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1306	Turbine Delivery Route Option 3A	Limerick	32050	TDR 25m intervals	553256.33	654222.27	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	1556.80	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1307	Turbine Delivery Route Option 3A	Limerick	32075	TDR 25m intervals	553278.41	654234.00	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	1555.69	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1308	Turbine Delivery Route Option 3A	Limerick	32100	TDR 25m intervals	553300.49	654245.73	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	1554.99	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1309	Turbine Delivery Route Option 3A	Limerick	32125	TDR 25m intervals	553322.56	654257.46	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	1554.69	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1310	Turbine Delivery Route Option 3A	Limerick	32150	TDR 25m intervals	553344.64	654269.19	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Rock near surface or karst (X)	<1m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	1554.79	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1311	Turbine Delivery Route Option 3A	Limerick	32175	TDR 25m intervals	553366.72	654280.92	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Rock near surface or karst (X)	<1m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	1555.30	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1312	Turbine Delivery Route Option 3A	Limerick	32200	TDR 25m intervals	553388.69	654292.84	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Rock near surface or karst (X)	<1m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	1556.41	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1313	Turbine Delivery Route Option 3A	Limerick	32225	TDR 25m intervals	553410.52	654305.04	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Rock near surface or karst (X)	<1m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	1558.25	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1314	Turbine Delivery Route Option 3A	Limerick	32250	TDR 25m intervals	553432.34	654317.23	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Rock near surface or karst (X)	<1m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	1560.49	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone

Appendix 10.3 - Baseline Database -Turbine Delivery Route, Option 3A
Oatfield WF, Co. Clare

Project Ref. 604569
Prepared by: Cca / DW
Date: 17/11/2023
File Ref: 604569-Geo-R03-App10.3-(00)-Baseline Database -Turbine Delivery Route

	TDR		Assessment Location		Grid Coordinates (ITM)		Construction Details		Surface Water				Groundwater / Bedrock Aquifer						Groundwater / Wells / Abstraction		Designated Areas			Assessment Graphics / Comment	
Row No.	Turbine Delivery Route (TDR)	County	Location ID	Assessment Location Category	Easting	Northing	Type of Water Crossing / Construction Activity	Approximate Construction Depth (Excavation / Drilling) Depth Relative to Ground Level)	SW 50m Buffer	Receptor Category (Mapped river = EPA / WFD mapped)	River basins	Subcatchments	Aquifer Vulnerability	Potential Depth to Bedrock (acc. To GSI categories)	GW Aquifer Type	Excavation in or near Bedrock (In line with GSI mapped Aquifer Vulnerability)	Karst 25m buffer	Distance to Karst Feature	GW Abstraction 250m Buffer	Groundwater Source Protection Area NFGWS	SAC 50m Buffer	SPA 50m Buffer	Within SAC / SPA / NHA ?	Map Tile Number	Comments & MITIGATION MEASURES
					ITM	ITM		mbGL	50m										250m						
1315	Turbine Delivery Route Option 3A	Limerick	87075	TDR 25m intervals	553454.13	654329.49	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Rock near surface or karst (X)	<1m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	1563.19	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1316	Turbine Delivery Route Option 3A	Limerick	32300	TDR 25m intervals	553475.48	654342.48	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Rock near surface or karst (X)	<1m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	1567.13	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1317	Turbine Delivery Route Option 3A	Limerick	32325	TDR 25m intervals	553496.84	654355.48	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	1571.45	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1318	Turbine Delivery Route Option 3A	Limerick	32350	TDR 25m intervals	553518.20	654368.47	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	1576.16	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1319	Turbine Delivery Route Option 3A	Limerick	32375	TDR 25m intervals	553538.82	654382.55	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	1582.53	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1320	Turbine Delivery Route Option 3A	Limerick	32400	TDR 25m intervals	553558.81	654397.56	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	1590.34	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1321	Turbine Delivery Route Option 3A	Limerick	32425	TDR 25m intervals	553578.81	654412.57	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	1598.50	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1322	Turbine Delivery Route Option 3A	Limerick	32450	TDR 25m intervals	553598.81	654427.57	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	1606.99	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1323	Turbine Delivery Route Option 3A	Limerick	32475	TDR 25m intervals	553618.83	654442.54	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	1615.80	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1324	Turbine Delivery Route Option 3A	Limerick	32500	TDR 25m intervals	553638.85	654457.52	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	1624.95	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1325	Turbine Delivery Route Option 3A	Limerick	32525	TDR 25m intervals	553658.87	654472.49	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	1634.42	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1326	Turbine Delivery Route Option 3A	Limerick	32550	TDR 25m intervals	553678.65	654487.78	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	1644.59	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1327	Turbine Delivery Route Option 3A	Limerick	32575	TDR 25m intervals	553698.41	654503.09	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	1655.09	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1328	Turbine Delivery Route Option 3A	Limerick	32600	TDR 25m intervals	553718.18	654518.39	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	1665.90	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1329	Turbine Delivery Route Option 3A	Limerick	32625	TDR 25m intervals	553737.95	654533.70	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	1677.01	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1330	Turbine Delivery Route Option 3A	Limerick	32650	TDR 25m intervals	553757.72	654549.00	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	1688.42	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1331	Turbine Delivery Route Option 3A	Limerick	32675	TDR 25m intervals	553777.48	654564.31	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	1700.12	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1332	Turbine Delivery Route Option 3A	Limerick	32700	TDR 25m intervals	553797.25	654579.61	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	1712.10	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1333	Turbine Delivery Route Option 3A	Limerick	32725	TDR 25m intervals	553817.39	654594.42	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	1723.82	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1334	Turbine Delivery Route Option 3A	Limerick	32750	TDR 25m intervals	553837.68	654609.02	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Rock near surface or karst (X)	<1m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	1735.60	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1335	Turbine Delivery Route Option 3A	Limerick	32775	TDR 25m intervals	553857.97	654623.63	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Rock near surface or karst (X)	<1m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	1747.66	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1336	Turbine Delivery Route Option 3A	Limerick	32800	TDR 25m intervals	553878.26	654638.23	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Rock near surface or karst (X)	<1m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	1759.99	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1337	Turbine Delivery Route Option 3A	Limerick	32825	TDR 25m intervals	553898.51	654652.89	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Rock near surface or karst (X)	<1m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	1772.64	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1338	Turbine Delivery Route Option 3A	Limerick	32850	TDR 25m intervals	553918.06	654668.47	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Rock near surface or karst (X)	<1m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	1786.53	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1339	Turbine Delivery Route Option 3A	Limerick	32875	TDR 25m intervals	553937.61	654684.05	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Rock near surface or karst (X)	<1m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	1800.67	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1340	Turbine Delivery Route Option 3A	Limerick	32900	TDR 25m intervals	553957.16	654699.64	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Rock near surface or karst (X)	<1m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	1815.03	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1341	Turbine Delivery Route Option 3A	Limerick	32925	TDR 25m intervals	553976.83	654715.07	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Rock near surface or karst (X)	<1m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	1829.47	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1342	Turbine Delivery Route Option 3A	Limerick	32950	TDR 25m intervals	553996.70	654730.23	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Rock near surface or karst (X)	<1m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	1843.86	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1343	Turbine Delivery Route Option 3A	Limerick	32975	TDR 25m intervals	554017.42	654744.21	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	1857.27	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1344	Turbine Delivery Route Option 3A	Limerick	33000	TDR 25m intervals	554038.06	654758.31	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	1871.05	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1345	Turbine Delivery Route Option 3A	Limerick	33025	TDR 25m intervals	554057.74	654773.73	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	1886.37	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1346	Turbine Delivery Route Option 3A	Limerick	33050	TDR 25m intervals	554077.42	654789.14	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	1901.89	No	No	No	No	No		NA
1347	Turbine Delivery Route Option 3A	Limerick	33075	TDR 25m intervals	554097.11	654804.56	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	1917.61	No	No	No	No	No		NA
1348	Turbine Delivery Route Option 3A	Limerick	33100	TDR 25m intervals	554116.79	654819.97	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	1933.53	No	No	No	No	No		NA
1349	Turbine Delivery Route Option 3A	Limerick	33125	TDR 25m intervals	554136.65	654835.16	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	1949.42	No	No	No	No	No		NA
1350	Turbine Delivery Route Option 3A	Limerick	33150	TDR 25m intervals	554156.63	654850.18	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	1965.34	No	No	No	No	No		NA
1351	Turbine Delivery Route Option 3A	Limerick	86000	TDR 25m intervals	554176.62	654865.20	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	1981.44	No	No	No	No	No		NA
1352	Turbine Delivery Route Option 3A	Limerick	33200	TDR 25m intervals	554196.60	654880.22	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	1997.73	No	No	No	No	No		NA
1353	Turbine Delivery Route Option 3A	Limerick	33225	TDR 25m intervals	554216.58	654895.24	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2014.20	No	No	No	No	No		NA
1354	Turbine Delivery Route Option 3A	Limerick	85875	TDR 25m intervals	554236.57	654910.26	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2030.84	No	No	No	No	No		NA
1355	Turbine Delivery Route Option 3A	Limerick	33275	TDR 25m intervals	554256.55	654925.28	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2047.66	No	No	No	No	No		NA
1356	Turbine Delivery Route Option 3A	Limerick	85225	TDR 25m intervals	554276.54	654940.30	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2064.63	No	No	No	No	No		NA
1357	Turbine Delivery Route Option 3A	Limerick	33325	TDR 25m intervals	554296.52	654955.32	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2081.78	No	No	No	No	No		NA
1358	Turbine Delivery Route Option 3A	Limerick	85200	TDR 25m intervals	554316.50	654970.35	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2099.08	No	No	No	No	No		NA
1359	Turbine Delivery Route Option 3A	Limerick	85175	TDR 25m intervals	554336.09	654985.88	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2116.98	No	No	No	No	No		NA
1360	Turbine Delivery Route Option 3A	Limerick	85150	TDR 25m intervals	554355.69	655001.41	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2135.03	No	No	No	No	No		NA
1361	Turbine Delivery Route Option 3A	Limerick	85125	TDR 25m intervals	554375.28	655016.93	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2153.22	No	No	No	No	No		NA

Appendix 10.3 - Baseline Database -Turbine Delivery Route, Option 3A
Oatfield WF, Co. Clare

Project Ref. 604569
Prepared by: Cca / DW
Date: 17/11/2023
File Ref: 604569-Geo-R03-App10.3-(00)-Baseline Database -Turbine Delivery Route

	TDR		Assessment Location		Grid Coordinates (ITM)		Construction Details		Surface Water				Groundwater / Bedrock Aquifer						Groundwater / Wells / Abstraction		Designated Areas			Assessment Graphics / Comment	
Row No.	Turbine Delivery Route (TDR)	County	Location ID	Assessment Location Category	Easting	Northing	Type of Water Crossing / Construction Activity	Approximate Construction Depth (Excavation / Drilling) Depth Relative to Ground Level)	SW 50m Buffer	Receptor Category (Mapped river = EPA / WFD mapped)	River basins	Subcatchments	Aquifer Vulnerability	Potential Depth to Bedrock (acc. To GSI categories)	GW Aquifer Type	Excavation in or near Bedrock (In line with GSI mapped Aquifer Vulnerability)	Karst 25m buffer	Distance to Karst Feature	GW Abstraction 250m Buffer	Groundwater Source Protection Area NFGWS	SAC 50m Buffer	SPA 50m Buffer	Within SAC / SPA / NHA ?	Map Tile Number	Comments & MITIGATION MEASURES
					ITM	ITM		mbGL	50m										250m						
1362	Turbine Delivery Route Option 3A	Limerick	33450	TDR 25m intervals	554394.87	655032.46	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2171.54	No	No	No	No	No		NA
1363	Turbine Delivery Route Option 3A	Limerick	85100	TDR 25m intervals	554414.47	655047.99	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2189.99	No	No	No	No	No		NA
1364	Turbine Delivery Route Option 3A	Limerick	85075	TDR 25m intervals	554434.06	655063.52	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2208.57	No	No	No	No	No		NA
1365	Turbine Delivery Route Option 3A	Clare	85525	TDR 25m intervals	554198.00	667345.00	NA	NA	Yes	BLACKWATER (CLARE)	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(Ll) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8384.52	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone
1366	Turbine Delivery Route Option 3A	Clare	85475	TDR 25m intervals	554179.45	667361.60	NA	NA	Yes	BLACKWATER (CLARE)	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(Ll) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8371.43	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone
1367	Turbine Delivery Route Option 3A	Clare		Site No. 19	554172.82	667359.53	Road widening	0.45	Yes	BLACKWATER (CLARE)	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(Ll) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	8371.43	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone
1368	Turbine Delivery Route Option 3A	Clare	85375	TDR 25m intervals	554168.35	667383.40	NA	NA	Yes	BLACKWATER (CLARE)	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(Ll) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8351.95	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone
1369	Turbine Delivery Route Option 3A	Clare	86025	TDR 25m intervals	554163.20	667407.56	NA	NA	Yes	BLACKWATER (CLARE)	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(Ll) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8329.09	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone
1370	Turbine Delivery Route Option 3A	Clare	85425	TDR 25m intervals	554168.30	667432.04	NA	NA	Yes	BLACKWATER (CLARE)	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(Ll) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8304.10	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone
1371	Turbine Delivery Route Option 3A	Clare	33175	TDR 25m intervals	554177.42	667455.28	NA	NA	Yes	BLACKWATER (CLARE)	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(Ll) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8279.59	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone
1372	Turbine Delivery Route Option 3A	Clare	85350	TDR 25m intervals	554185.63	667478.90	NA	NA	Yes	BLACKWATER (CLARE)	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(Ll) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8254.88	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone
1373	Turbine Delivery Route Option 3A	Clare	85500	TDR 25m intervals	554193.83	667502.51	NA	NA	Yes	BLACKWATER (CLARE)	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(Ll) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8230.18	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone
1374	Turbine Delivery Route Option 3A	Clare	85950	TDR 25m intervals	554202.04	667526.13	NA	NA	Yes	BLACKWATER (CLARE)	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(Ll) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8205.48	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone
1375	Turbine Delivery Route Option 3A	Clare	85550	TDR 25m intervals	554210.24	667549.74	NA	NA	Yes	BLACKWATER (CLARE)	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(Ll) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8180.78	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone
1376	Turbine Delivery Route Option 3A	Clare	85300	TDR 25m intervals	554218.44	667573.36	NA	NA	Yes	BLACKWATER (CLARE)	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(Ll) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8156.08	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone
1377	Turbine Delivery Route Option 3A	Clare	85900	TDR 25m intervals	554227.20	667596.77	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(Ll) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8131.48	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1378	Turbine Delivery Route Option 3A	Clare	33250	TDR 25m intervals	554236.26	667620.07	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(Ll) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8106.95	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1379	Turbine Delivery Route Option 3A	Clare	85850	TDR 25m intervals	554245.33	667643.37	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(Ll) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8082.42	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1380	Turbine Delivery Route Option 3A	Clare	85825	TDR 25m intervals	554253.64	667666.94	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(Ll) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8057.76	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1381	Turbine Delivery Route Option 3A	Clare	85800	TDR 25m intervals	554261.36	667690.71	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	High (H)	3 to 5m	(Ll) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8032.99	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1382	Turbine Delivery Route Option 3A	Clare	85775	TDR 25m intervals	554265.47	667715.36	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(Ll) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8008.00	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1383	Turbine Delivery Route Option 3A	Clare	85250	TDR 25m intervals	554267.86	667740.15	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(Ll) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7983.18	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1384	Turbine Delivery Route Option 3A	Clare	85750	TDR 25m intervals	554266.65	667765.10	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(Ll) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7958.82	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1385	Turbine Delivery Route Option 3A	Clare	85725	TDR 25m intervals	554262.99	667789.83	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(Ll) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7935.11	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1386	Turbine Delivery Route Option 3A	Clare	85700	TDR 25m intervals	554256.80	667814.04	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(Ll) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7912.38	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1387	Turbine Delivery Route Option 3A	Clare	85275	TDR 25m intervals	554247.46	667837.22	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(Ll) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7891.22	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1388	Turbine Delivery Route Option 3A	Clare	85650	TDR 25m intervals	554237.13	667859.98	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(Ll) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7870.69	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1389	Turbine Delivery Route Option 3A	Clare	85600	TDR 25m intervals	554226.01	667882.34	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(Ll) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7850.72	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1390	Turbine Delivery Route Option 3A	Clare	85925	TDR 25m intervals	554213.47	667903.97	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Rock near surface or karst (X)	<1m	(Ll) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7831.76	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1391	Turbine Delivery Route Option 3A	Clare	85325	TDR 25m intervals	554201.16	667925.73	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(Ll) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7812.66	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1392	Turbine Delivery Route Option 3A	Clare	85975	TDR 25m intervals	554188.86	667947.49	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(Ll) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7793.59	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1393	Turbine Delivery Route Option 3A	Clare	85450	TDR 25m intervals	554176.56	667969.26	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(Ll) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7774.55	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1394	Turbine Delivery Route Option 3A	Clare	85400	TDR 25m intervals	554164.13	667990.95	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(Ll) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7755.65	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1395	Turbine Delivery Route Option 3A	Clare	86050	TDR 25m intervals	554150.82	668012.10	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(Ll) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7737.48	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1396	Turbine Delivery Route Option 3A	Clare	86075	TDR 25m intervals	554136.74	668032.75	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(Ll) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7720.00	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1397	Turbine Delivery Route Option 3A	Clare	86100	TDR 25m intervals	554122.18	668053.07	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(Ll) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7702.96	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone

Appendix 10.3 - Baseline Database -Turbine Delivery Route, Option 3A
Oatfield WF, Co. Clare

Project Ref. 604569
Prepared by: Cca / DW
Date: 17/11/2023
File Ref: 604569-Geo-R03-App10.3-(00)-Baseline Database -Turbine Delivery Route

	TDR		Assessment Location		Grid Coordinates (ITM)		Construction Details		Surface Water				Groundwater / Bedrock Aquifer						Groundwater / Wells / Abstraction		Designated Areas			Assessment Graphics / Comment	
Row No.	Turbine Delivery Route (TDR)	County	Location ID	Assessment Location Category	Easting	Northing	Type of Water Crossing / Construction Activity	Approximate Construction Depth (Excavation / Drilling) Depth Relative to Ground Level)	SW 50m Buffer	Receptor Category (Mapped river = EPA / WFD mapped)	River basins	Subcatchments	Aquifer Vulnerability	Potential Depth to Bedrock (acc. To GSI categories)	GW Aquifer Type	Excavation in or near Bedrock (In line with GSI mapped Aquifer Vulnerability)	Karst 25m buffer	Distance to Karst Feature	GW Abstraction 250m Buffer	Groundwater Source Protection Area NFGWS	SAC 50m Buffer	SPA 50m Buffer	Within SAC / SPA / NHA ?	Map Tile Number	Comments & MITIGATION MEASURES
					ITM	ITM		mbGL	50m										250m						
1398	Turbine Delivery Route Option 3A	Clare	86125	TDR 25m intervals	554106.82	668072.72	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7686.80	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1399	Turbine Delivery Route Option 3A	Clare	86150	TDR 25m intervals	554088.01	668089.03	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7674.66	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1400	Turbine Delivery Route Option 3A	Clare		WCC_42	554070.14	668098.77	WCC	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7674.66	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1401	Turbine Delivery Route Option 3A	Clare	86175	TDR 25m intervals	554066.29	668101.28	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7667.15	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1402	Turbine Delivery Route Option 3A	Clare		WCC_41	554057.44	668127.17	WCC	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7667.15	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1403	Turbine Delivery Route Option 3A	Clare	86200	TDR 25m intervals	554043.79	668112.08	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7661.30	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1404	Turbine Delivery Route Option 3A	Clare	86225	TDR 25m intervals	554020.00	668119.76	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7658.85	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1405	Turbine Delivery Route Option 3A	Clare	86250	TDR 25m intervals	553996.90	668129.24	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7654.58	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1406	Turbine Delivery Route Option 3A	Clare	86275	TDR 25m intervals	553976.65	668143.58	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7645.02	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1407	Turbine Delivery Route Option 3A	Clare	86300	TDR 25m intervals	553957.71	668159.88	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7633.32	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1408	Turbine Delivery Route Option 3A	Clare	86325	TDR 25m intervals	553939.65	668177.17	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7620.52	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1409	Turbine Delivery Route Option 3A	Clare	86350	TDR 25m intervals	553922.84	668195.64	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7606.35	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1410	Turbine Delivery Route Option 3A	Clare	86375	TDR 25m intervals	553908.93	668216.39	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7589.35	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1411	Turbine Delivery Route Option 3A	Clare	86400	TDR 25m intervals	553897.23	668238.34	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7570.70	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1412	Turbine Delivery Route Option 3A	Clare	86425	TDR 25m intervals	553889.14	668262.00	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7549.59	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1413	Turbine Delivery Route Option 3A	Clare	86450	TDR 25m intervals	553879.68	668285.10	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7529.37	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1414	Turbine Delivery Route Option 3A	Clare	86475	TDR 25m intervals	553863.86	668304.01	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7514.75	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1415	Turbine Delivery Route Option 3A	Clare	86500	TDR 25m intervals	553844.16	668319.38	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7504.57	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1416	Turbine Delivery Route Option 3A	Clare	86525	TDR 25m intervals	553823.71	668333.72	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7495.65	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1417	Turbine Delivery Route Option 3A	Clare	86550	TDR 25m intervals	553802.18	668346.42	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7488.65	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1418	Turbine Delivery Route Option 3A	Clare	86575	TDR 25m intervals	553779.47	668356.86	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7484.20	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1419	Turbine Delivery Route Option 3A	Clare		WCC_37	553762.79	668358.11	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7484.20	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1420	Turbine Delivery Route Option 3A	Clare	86600	TDR 25m intervals	553756.57	668366.89	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7480.29	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1421	Turbine Delivery Route Option 3A	Clare	86625	TDR 25m intervals	553734.09	668377.48	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7475.81	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1422	Turbine Delivery Route Option 3A	Clare	86650	TDR 25m intervals	553714.70	668393.25	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7465.60	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1423	Turbine Delivery Route Option 3A	Clare	86675	TDR 25m intervals	553696.30	668410.16	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7454.11	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1424	Turbine Delivery Route Option 3A	Clare	86700	TDR 25m intervals	553678.27	668427.48	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7442.18	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1425	Turbine Delivery Route Option 3A	Clare	86725	TDR 25m intervals	553660.19	668444.74	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7430.39	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1426	Turbine Delivery Route Option 3A	Clare	86750	TDR 25m intervals	553642.10	668461.99	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7418.68	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1427	Turbine Delivery Route Option 3A	Clare	86775	TDR 25m intervals	553626.45	668481.35	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7404.33	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1428	Turbine Delivery Route Option 3A	Clare	86800	TDR 25m intervals	553613.70	668502.67	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7387.35	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1429	Turbine Delivery Route Option 3A	Clare	86825	TDR 25m intervals	553603.45	668525.33	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7368.43	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1430	Turbine Delivery Route Option 3A	Clare		WCC_36	553596.25	668536.01	WCC	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7368.43	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1431	Turbine Delivery Route Option 3A	Clare	86850	TDR 25m intervals	553588.76	668545.56	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7353.13	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1432	Turbine Delivery Route Option 3A	Clare	86875	TDR 25m intervals	553572.11	668563.61	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7340.53	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone

Appendix 10.3 - Baseline Database -Turbine Delivery Route, Option 3A
Oatfield WF, Co. Clare

Project Ref. 604569
Prepared by: Cca / DW
Date: 17/11/2023
File Ref: 604569-Geo-R03-App10.3-(00)-Baseline Database -Turbine Delivery Route

	TDR		Assessment Location		Grid Coordinates (ITM)		Construction Details		Surface Water				Groundwater / Bedrock Aquifer						Groundwater / Wells / Abstraction		Designated Areas			Assessment Graphics / Comment	
Row No.	Turbine Delivery Route (TDR)	County	Location ID	Assessment Location Category	Easting	Northing	Type of Water Crossing / Construction Activity	Approximate Construction Depth (Excavation / Drilling) Depth Relative to Ground Level)	SW 50m Buffer	Receptor Category (Mapped river = EPA / WFD mapped)	River basins	Subcatchments	Aquifer Vulnerability	Potential Depth to Bedrock (acc. To GSI categories)	GW Aquifer Type	Excavation in or near Bedrock (In line with GSI mapped Aquifer Vulnerability)	Karst 25m buffer	Distance to Karst Feature	GW Abstraction 250m Buffer	Groundwater Source Protection Area NFGWS	SAC 50m Buffer	SPA 50m Buffer	Within SAC / SPA / NHA ?	Map Tile Number	Comments & MITIGATION MEASURES
					ITM	ITM		mbGL	50m										250m						
1433	Turbine Delivery Route Option 3A	Clare	86900	TDR 25m intervals	553550.47	668576.13	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7334.73	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1434	Turbine Delivery Route Option 3A	Clare	86925	TDR 25m intervals	553529.93	668590.26	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7327.14	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1435	Turbine Delivery Route Option 3A	Clare	86950	TDR 25m intervals	553512.36	668607.50	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7315.79	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1436	Turbine Delivery Route Option 3A	Clare		WCC_35	553506.68	668613.01	WCC	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7315.79	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1437	Turbine Delivery Route Option 3A	Clare	86975	TDR 25m intervals	553500.48	668629.49	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7298.27	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1438	Turbine Delivery Route Option 3A	Clare	87000	TDR 25m intervals	553488.60	668651.49	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7280.79	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1439	Turbine Delivery Route Option 3A	Clare	87025	TDR 25m intervals	553477.67	668673.94	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7262.64	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1440	Turbine Delivery Route Option 3A	Clare	87050	TDR 25m intervals	553468.26	668697.10	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7243.40	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1441	Turbine Delivery Route Option 3A	Clare	32275	TDR 25m intervals	553456.13	668718.75	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7226.45	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1442	Turbine Delivery Route Option 3A	Clare	87100	TDR 25m intervals	553435.21	668731.13	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7221.08	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1443	Turbine Delivery Route Option 3A	Clare		WCC_31	553419.57	668730.66	WCC	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7221.08	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1444	Turbine Delivery Route Option 3A	Clare	87125	TDR 25m intervals	553411.74	668730.48	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7228.97	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1445	Turbine Delivery Route Option 3A	Clare	87150	TDR 25m intervals	553387.96	668722.75	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7243.74	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1446	Turbine Delivery Route Option 3A	Clare	87175	TDR 25m intervals	553363.72	668716.76	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7257.06	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1447	Turbine Delivery Route Option 3A	Clare	87200	TDR 25m intervals	553339.25	668711.68	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7269.67	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1448	Turbine Delivery Route Option 3A	Clare	87225	TDR 25m intervals	553314.77	668706.59	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7282.34	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1449	Turbine Delivery Route Option 3A	Clare	87250	TDR 25m intervals	553290.07	668702.82	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7293.90	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1450	Turbine Delivery Route Option 3A	Clare	87275	TDR 25m intervals	553266.06	668705.41	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7299.29	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1451	Turbine Delivery Route Option 3A	Clare		WCC_34	553253.67	668706.24	WCC	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7299.29	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1452	Turbine Delivery Route Option 3A	Clare	87300	TDR 25m intervals	553244.87	668717.88	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7294.50	No	No	No	No	No		NA
1453	Turbine Delivery Route Option 3A	Clare	87325	TDR 25m intervals	553226.80	668735.16	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7284.21	No	No	No	No	No		NA
1454	Turbine Delivery Route Option 3A	Clare	87350	TDR 25m intervals	553208.67	668752.37	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7274.09	No	No	No	No	No		NA
1455	Turbine Delivery Route Option 3A	Clare	31975	TDR 25m intervals	553191.25	668770.30	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7263.11	No	No	No	No	No		NA
1456	Turbine Delivery Route Option 3A	Clare	87400	TDR 25m intervals	553173.94	668788.34	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7252.06	No	No	No	No	No		NA
1457	Turbine Delivery Route Option 3A	Clare	87425	TDR 25m intervals	553154.78	668804.06	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7243.90	No	No	No	No	No		NA
1458	Turbine Delivery Route Option 3A	Clare		WCC_25	553153.33	668804.72	WCC	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7243.90	No	No	No	No	No		NA
1459	Turbine Delivery Route Option 3A	Clare	87450	TDR 25m intervals	553133.06	668816.34	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7239.94	No	No	No	No	No		NA
1460	Turbine Delivery Route Option 3A	Clare	87475	TDR 25m intervals	553109.83	668825.45	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7239.55	No	No	No	No	No		NA
1461	Turbine Delivery Route Option 3A	Clare	87500	TDR 25m intervals	553085.00	668828.35	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7245.63	No	No	No	No	No		NA
1462	Turbine Delivery Route Option 3A	Clare	87525	TDR 25m intervals	553061.07	668835.42	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7247.56	No	No	No	No	No		NA
1463	Turbine Delivery Route Option 3A	Clare		WCC_23	553042.37	668832.86	WCC	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7247.56	No	No	No	No	No		NA
1464	Turbine Delivery Route Option 3A	Clare	87550	TDR 25m intervals	553037.74	668844.32	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7247.67	No	No	No	No	No		NA
1465	Turbine Delivery Route Option 3A	Clare	87575	TDR 25m intervals	553014.89	668854.45	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7246.54	No	No	No	No	No		NA
1466	Turbine Delivery Route Option 3A	Clare	87600	TDR 25m intervals	552993.16	668866.81	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7243.00	No	No	No	No	No		NA
1467	Turbine Delivery Route Option 3A	Clare	87625	TDR 25m intervals	552971.32	668878.97	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7239.78	No	No	No	No	No		NA

Appendix 10.3 - Baseline Database -Turbine Delivery Route, Option 3A
Oatfield WF, Co. Clare

Project Ref. 604569
Prepared by: Cca / DW
Date: 17/11/2023
File Ref: 604569-Geo-R03-App10.3-(00)-Baseline Database -Turbine Delivery Route

	TDR		Assessment Location		Grid Coordinates (ITM)		Construction Details		Surface Water				Groundwater / Bedrock Aquifer						Groundwater / Wells / Abstraction		Designated Areas			Assessment Graphics / Comment	
Row No.	Turbine Delivery Route (TDR)	County	Location ID	Assessment Location Category	Easting	Northing	Type of Water Crossing / Construction Activity	Approximate Construction Depth (Excavation / Drilling) Depth Relative to Ground Level)	SW 50m Buffer	Receptor Category (Mapped river = EPA / WFD mapped)	River basins	Subcatchments	Aquifer Vulnerability	Potential Depth to Bedrock (acc. To GSI categories)	GW Aquifer Type	Excavation in or near Bedrock (In line with GSI mapped Aquifer Vulnerability)	Karst 25m buffer	Distance to Karst Feature	GW Abstraction 250m Buffer	Groundwater Source Protection Area NFGWS	SAC 50m Buffer	SPA 50m Buffer	Within SAC / SPA / NHA ?	Map Tile Number	Comments & MITIGATION MEASURES
					ITM	ITM		mbGL	50m										250m						
1468	Turbine Delivery Route Option 3A	Clare	87650	TDR 25m intervals	552949.31	668890.82	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7237.00	No	No	No	No	No		NA
1469	Turbine Delivery Route Option 3A	Clare	87675	TDR 25m intervals	552927.51	668903.04	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7233.88	No	No	No	No	No		NA
1470	Turbine Delivery Route Option 3A	Clare	87700	TDR 25m intervals	552906.02	668915.83	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7230.20	No	No	No	No	No		NA
1471	Turbine Delivery Route Option 3A	Clare	87725	TDR 25m intervals	552889.87	668934.56	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7219.07	No	No	No	No	No		NA
1472	Turbine Delivery Route Option 3A	Clare	87750	TDR 25m intervals	552882.61	668957.65	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7200.55	No	No	No	No	No		NA
1473	Turbine Delivery Route Option 3A	Clare	87775	TDR 25m intervals	552881.71	668982.49	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Rock near surface or karst (X)	<1m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	7177.98	No	No	No	No	No		NA
1474	Turbine Delivery Route Option 3A	Clare	87800	TDR 25m intervals	552884.27	669007.36	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Rock near surface or karst (X)	<1m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	7154.06	No	No	No	No	No		NA
1475	Turbine Delivery Route Option 3A	Clare	87825	TDR 25m intervals	552882.64	669032.26	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Rock near surface or karst (X)	<1m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	7131.75	No	No	No	No	No		NA
1476	Turbine Delivery Route Option 3A	Clare		WCC_20	552870.89	669038.32	WCC	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Rock near surface or karst (X)	<1m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	7131.75	No	No	No	No	No		NA
1477	Turbine Delivery Route Option 3A	Clare	87850	TDR 25m intervals	552878.63	669056.89	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Rock near surface or karst (X)	<1m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	7110.64	No	No	No	No	No		NA
1478	Turbine Delivery Route Option 3A	Clare	87875	TDR 25m intervals	552873.33	669081.32	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Rock near surface or karst (X)	<1m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	7090.24	No	No	No	No	No		NA
1479	Turbine Delivery Route Option 3A	Clare	31625	TDR 25m intervals	552866.43	669105.34	NA	NA	No	NA	OWENOGARNEY_030	Owenogarney_SC_010	Rock near surface or karst (X)	<1m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	7070.88	No	No	No	No	No		NA
1480	Turbine Delivery Route Option 3A	Clare	87925	TDR 25m intervals	552858.96	669129.16	NA	NA	No	NA	OWENOGARNEY_030	Owenogarney_SC_010	Rock near surface or karst (X)	<1m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	7051.97	No	No	No	No	No		NA
1481	Turbine Delivery Route Option 3A	Clare		Site No. 19	554204.79	667325.79	Road widening	0.45	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	8393.89	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1482	Turbine Delivery Route Option 3A	Clare	85575	TDR 25m intervals	554217.55	667332.04	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8393.89	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1483	Turbine Delivery Route Option 3A	Clare	87975	TDR 25m intervals	558517.05	666120.62	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5276.82	No	No	No	No	No		NA
1484	Turbine Delivery Route Option 3A	Clare	88000	TDR 25m intervals	558492.47	666125.19	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5296.08	No	No	No	No	No		NA
1485	Turbine Delivery Route Option 3A	Clare	37750	TDR 25m intervals	558467.88	666129.73	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5315.36	No	No	No	No	No		NA
1486	Turbine Delivery Route Option 3A	Clare	88075	TDR 25m intervals	558443.30	666134.26	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5334.67	No	No	No	No	No		NA
1487	Turbine Delivery Route Option 3A	Clare	88125	TDR 25m intervals	558418.71	666138.78	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5354.03	No	No	No	No	No		NA
1488	Turbine Delivery Route Option 3A	Clare	37675	TDR 25m intervals	558394.12	666143.31	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5373.44	No	No	No	No	No		NA
1489	Turbine Delivery Route Option 3A	Clare	88600	TDR 25m intervals	558369.52	666147.76	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5392.86	No	No	No	No	No		NA
1490	Turbine Delivery Route Option 3A	Clare	88825	TDR 25m intervals	558344.74	666150.71	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5411.29	No	No	No	No	No		NA
1491	Turbine Delivery Route Option 3A	Clare	89100	TDR 25m intervals	558319.79	666152.31	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5428.88	No	No	No	No	No		NA
1492	Turbine Delivery Route Option 3A	Clare	89375	TDR 25m intervals	558294.84	666153.92	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5446.53	No	No	No	No	No		NA
1493	Turbine Delivery Route Option 3A	Clare	89575	TDR 25m intervals	558269.89	666155.53	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5464.23	No	No	No	No	No		NA
1494	Turbine Delivery Route Option 3A	Clare	89700	TDR 25m intervals	558244.93	666156.93	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5481.84	No	No	No	No	No		NA
1495	Turbine Delivery Route Option 3A	Clare	89850	TDR 25m intervals	558219.95	666157.70	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5499.06	No	No	No	No	No		NA
1496	Turbine Delivery Route Option 3A	Clare	89975	TDR 25m intervals	558195.10	666160.05	NA	NA	Yes	MOUNTRICE_010	MOUNTRICE_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5517.42	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
1497	Turbine Delivery Route Option 3A	Clare		Crossing No. 36A (IPE	558182.08	666158.04	WCC	NA	Yes	MOUNTRICE_010	MOUNTRICE_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5517.42	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
1498	Turbine Delivery Route Option 3A	Clare	90075	TDR 25m intervals	558170.40	666163.88	NA	NA	Yes	MOUNTRICE_010	MOUNTRICE_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5536.83	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
1499	Turbine Delivery Route Option 3A	Clare	90175	TDR 25m intervals	558145.69	666167.71	NA	NA	Yes	MOUNTRICE_010	MOUNTRICE_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5556.29	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
1500	Turbine Delivery Route Option 3A	Clare	90250	TDR 25m intervals	558121.29	666173.10	NA	NA	Yes	MOUNTRICE_010	MOUNTRICE_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5576.74	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
1501	Turbine Delivery Route Option 3A	Clare	90325	TDR 25m intervals	558096.90	666178.61	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5597.30	No	No	No	No	No		NA
1502	Turbine Delivery Route Option 3A	Clare	90400	TDR 25m intervals	558072.65	666184.68	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5618.22	No	No	No	No	No		NA

Appendix 10.3 - Baseline Database -Turbine Delivery Route, Option 3A
Oatfield WF, Co. Clare

Project Ref. 604569
Prepared by: Cca / DW
Date: 17/11/2023
File Ref: 604569-Geo-R03-App10.3-(00)-Baseline Database -Turbine Delivery Route

	TDR		Assessment Location		Grid Coordinates (ITM)		Construction Details		Surface Water				Groundwater / Bedrock Aquifer						Groundwater / Wells / Abstraction		Designated Areas			Assessment Graphics / Comment	
Row No.	Turbine Delivery Route (TDR)	County	Location ID	Assessment Location Category	Easting	Northing	Type of Water Crossing / Construction Activity	Approximate Construction Depth (Excavation / Drilling) Depth Relative to Ground Level)	SW 50m Buffer	Receptor Category (Mapped river = EPA / WFD mapped)	River basins	Subcatchments	Aquifer Vulnerability	Potential Depth to Bedrock (acc. To GSI categories)	GW Aquifer Type	Excavation in or near Bedrock (In line with GSI mapped Aquifer Vulnerability)	Karst 25m buffer	Distance to Karst Feature	GW Abstraction 250m Buffer	Groundwater Source Protection Area NFGWS	SAC 50m Buffer	SPA 50m Buffer	Within SAC / SPA / NHA ?	Map Tile Number	Comments & MITIGATION MEASURES
					ITM	ITM		mbGL	50m										250m						
1503	Turbine Delivery Route Option 3A	Clare	90475	TDR 25m intervals	558048.43	666190.88	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5639.24	No	No	No	No	No		NA
1504	Turbine Delivery Route Option 3A	Clare	90550	TDR 25m intervals	558024.27	666197.30	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5660.41	No	No	No	No	No		NA
1505	Turbine Delivery Route Option 3A	Clare	90600	TDR 25m intervals	558000.38	666204.65	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5682.11	No	No	No	No	No		NA
1506	Turbine Delivery Route Option 3A	Clare	90650	TDR 25m intervals	557976.48	666212.00	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5703.84	No	No	No	No	No		NA
1507	Turbine Delivery Route Option 3A	Clare	90700	TDR 25m intervals	557952.59	666219.35	NA	NA	Yes	BLACKWATER (CLARE)	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5725.60	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
1508	Turbine Delivery Route Option 3A	Clare	90750	TDR 25m intervals	557928.69	666226.70	NA	NA	Yes	BLACKWATER (CLARE)	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5747.38	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
1509	Turbine Delivery Route Option 3A	Clare		Crossing No. 32A (IPF	557914.65	666227.87	WCC	NA	Yes	BLACKWATER (CLARE)	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5747.38	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
1510	Turbine Delivery Route Option 3A	Clare	90800	TDR 25m intervals	557904.80	666234.05	NA	NA	Yes	BLACKWATER (CLARE)	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5769.19	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
1511	Turbine Delivery Route Option 3A	Clare	90850	TDR 25m intervals	557880.91	666241.41	NA	NA	Yes	BLACKWATER (CLARE)	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5791.03	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
1512	Turbine Delivery Route Option 3A	Clare	90900	TDR 25m intervals	557856.84	666248.19	NA	NA	Yes	BLACKWATER (CLARE)	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5812.60	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
1513	Turbine Delivery Route Option 3A	Clare	90950	TDR 25m intervals	557832.78	666254.96	NA	NA	Yes	BLACKWATER (CLARE)	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5834.19	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
1514	Turbine Delivery Route Option 3A	Clare	81550	TDR 25m intervals	557808.71	666261.73	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5855.81	No	No	No	No	No		NA
1515	Turbine Delivery Route Option 3A	Clare	92675	TDR 25m intervals	557784.65	666268.50	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5877.45	No	No	No	No	No		NA
1516	Turbine Delivery Route Option 3A	Clare	92825	TDR 25m intervals	557760.58	666275.27	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5899.12	No	No	No	No	No		NA
1517	Turbine Delivery Route Option 3A	Clare	92550	TDR 25m intervals	557736.70	666282.66	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5921.13	No	No	No	No	No		NA
1518	Turbine Delivery Route Option 3A	Clare	91200	TDR 25m intervals	557712.85	666290.14	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5943.21	No	No	No	No	No		NA
1519	Turbine Delivery Route Option 3A	Clare	91275	TDR 25m intervals	557688.99	666297.62	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5965.30	No	No	No	No	No		NA
1520	Turbine Delivery Route Option 3A	Clare	92275	TDR 25m intervals	557665.12	666305.05	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5987.40	No	No	No	No	No		NA
1521	Turbine Delivery Route Option 3A	Clare	91500	TDR 25m intervals	557641.25	666312.49	NA	NA	Yes	BLACKWATER (CLARE)	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6009.53	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
1522	Turbine Delivery Route Option 3A	Clare	91950	TDR 25m intervals	557617.32	666319.73	NA	NA	Yes	BLACKWATER (CLARE)	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6031.58	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
1523	Turbine Delivery Route Option 3A	Clare	36875	TDR 25m intervals	557593.35	666326.82	NA	NA	Yes	BLACKWATER (CLARE)	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6053.58	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
1524	Turbine Delivery Route Option 3A	Clare	93025	TDR 25m intervals	557569.37	666333.90	NA	NA	Yes	BLACKWATER (CLARE)	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6075.60	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
1525	Turbine Delivery Route Option 3A	Clare		Crossing No. 26A (IPF	557544.83	666339.27	WCC	NA	Yes	BLACKWATER (CLARE)	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6075.60	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
1526	Turbine Delivery Route Option 3A	Clare	93050	TDR 25m intervals	557545.40	666340.98	NA	NA	Yes	BLACKWATER (CLARE)	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6097.64	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
1527	Turbine Delivery Route Option 3A	Clare	93075	TDR 25m intervals	557521.44	666348.13	NA	NA	Yes	BLACKWATER (CLARE)	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6119.74	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
1528	Turbine Delivery Route Option 3A	Clare	93100	TDR 25m intervals	557497.86	666356.44	NA	NA	Yes	BLACKWATER (CLARE)	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6142.40	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
1529	Turbine Delivery Route Option 3A	Clare	93125	TDR 25m intervals	557474.28	666364.74	NA	NA	Yes	BLACKWATER (CLARE)	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6165.08	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
1530	Turbine Delivery Route Option 3A	Clare	81900	TDR 25m intervals	557450.69	666373.01	NA	NA	Yes	BLACKWATER (CLARE)	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6187.76	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
1531	Turbine Delivery Route Option 3A	Clare	81925	TDR 25m intervals	557426.96	666380.89	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6210.28	No	No	No	No	No		NA
1532	Turbine Delivery Route Option 3A	Clare	81950	TDR 25m intervals	557403.24	666388.77	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6232.82	No	No	No	No	No		NA
1533	Turbine Delivery Route Option 3A	Clare	81975	TDR 25m intervals	557379.51	666396.65	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6255.38	No	No	No	No	No		NA
1534	Turbine Delivery Route Option 3A	Clare	82000	TDR 25m intervals	557355.79	666404.53	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6277.96	No	No	No	No	No		NA
1535	Turbine Delivery Route Option 3A	Clare	82025	TDR 25m intervals	557332.06	666412.41	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6300.56	No	No	No	No	No		NA
1536	Turbine Delivery Route Option 3A	Clare	82050	TDR 25m intervals	557308.33	666420.29	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6323.17	No	No	No	No	No		NA
1537	Turbine Delivery Route Option 3A	Clare	82075	TDR 25m intervals	557284.61	666428.16	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6345.80	No	No	No	No	No		NA

Appendix 10.3 - Baseline Database -Turbine Delivery Route, Option 3A
Oatfield WF, Co. Clare

Project Ref. 604569
Prepared by: Cca / DW
Date: 17/11/2023
File Ref: 604569-Geo-R03-App10.3-(00)-Baseline Database -Turbine Delivery Route

	TDR		Assessment Location		Grid Coordinates (ITM)		Construction Details		Surface Water				Groundwater / Bedrock Aquifer						Groundwater / Wells / Abstraction		Designated Areas			Assessment Graphics / Comment	
Row No.	Turbine Delivery Route (TDR)	County	Location ID	Assessment Location Category	Easting	Northing	Type of Water Crossing / Construction Activity	Approximate Construction Depth (Excavation / Drilling) Depth Relative to Ground Level)	SW 50m Buffer	Receptor Category (Mapped river = EPA / WFD mapped)	River basins	Subcatchments	Aquifer Vulnerability	Potential Depth to Bedrock (acc. To GSI categories)	GW Aquifer Type	Excavation in or near Bedrock (In line with GSI mapped Aquifer Vulnerability)	Karst 25m buffer	Distance to Karst Feature	GW Abstraction 250m Buffer	Groundwater Source Protection Area NFGWS	SAC 50m Buffer	SPA 50m Buffer	Within SAC / SPA / NHA ?	Map Tile Number	Comments & MITIGATION MEASURES
					ITM	ITM		mbGL	50m										250m						
1538	Turbine Delivery Route Option 3A	Clare	82100	TDR 25m intervals	557260.88	666436.04	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6368.45	No	No	No	No	No		NA
1539	Turbine Delivery Route Option 3A	Clare	36525	TDR 25m intervals	557237.16	666443.92	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6391.12	No	No	No	No	No		NA
1540	Turbine Delivery Route Option 3A	Clare	36500	TDR 25m intervals	557213.61	666452.32	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6414.03	No	No	No	No	No		NA
1541	Turbine Delivery Route Option 3A	Clare	36475	TDR 25m intervals	557190.08	666460.76	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6436.97	No	No	No	No	No		NA
1542	Turbine Delivery Route Option 3A	Clare	36450	TDR 25m intervals	557166.54	666469.19	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6459.93	No	No	No	No	No		NA
1543	Turbine Delivery Route Option 3A	Clare	36425	TDR 25m intervals	557143.01	666477.62	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6482.90	No	No	No	No	No		NA
1544	Turbine Delivery Route Option 3A	Clare	82250	TDR 25m intervals	557119.53	666486.21	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6505.95	No	No	No	No	No		NA
1545	Turbine Delivery Route Option 3A	Clare	82275	TDR 25m intervals	557096.20	666495.18	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6529.17	No	No	No	No	No		NA
1546	Turbine Delivery Route Option 3A	Clare	82300	TDR 25m intervals	557072.86	666504.16	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6552.41	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1547	Turbine Delivery Route Option 3A	Clare	82325	TDR 25m intervals	557049.53	666513.14	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6575.65	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1548	Turbine Delivery Route Option 3A	Clare	82350	TDR 25m intervals	557026.47	666522.76	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6599.15	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1549	Turbine Delivery Route Option 3A	Clare	82375	TDR 25m intervals	557003.76	666533.22	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6622.96	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1550	Turbine Delivery Route Option 3A	Clare	82400	TDR 25m intervals	556981.06	666543.68	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6646.78	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1551	Turbine Delivery Route Option 3A	Clare	82425	TDR 25m intervals	556958.33	666554.10	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6670.60	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1552	Turbine Delivery Route Option 3A	Clare	82450	TDR 25m intervals	556935.48	666564.23	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6694.33	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1553	Turbine Delivery Route Option 3A	Clare	82475	TDR 25m intervals	556912.62	666574.37	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6718.06	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1554	Turbine Delivery Route Option 3A	Clare	36175	TDR 25m intervals	556889.77	666584.50	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6741.81	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1555	Turbine Delivery Route Option 3A	Clare	36150	TDR 25m intervals	556866.92	666594.64	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6765.57	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1556	Turbine Delivery Route Option 3A	Clare	36125	TDR 25m intervals	556844.06	666604.77	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6789.33	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1557	Turbine Delivery Route Option 3A	Clare	82575	TDR 25m intervals	556821.21	666614.91	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6813.10	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1558	Turbine Delivery Route Option 3A	Clare	82600	TDR 25m intervals	556798.01	666624.22	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6836.60	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1559	Turbine Delivery Route Option 3A	Clare	82625	TDR 25m intervals	556774.81	666633.53	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6860.10	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1560	Turbine Delivery Route Option 3A	Clare	82650	TDR 25m intervals	556751.53	666642.66	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6883.54	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1561	Turbine Delivery Route Option 3A	Clare	82675	TDR 25m intervals	556728.15	666651.49	NA	NA	Yes	BLACKWATER (CLARE)	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6906.88	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone
1562	Turbine Delivery Route Option 3A	Clare	82700	TDR 25m intervals	556704.76	666660.32	NA	NA	Yes	BLACKWATER (CLARE)	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6930.24	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone
1563	Turbine Delivery Route Option 3A	Clare	82725	TDR 25m intervals	556681.40	666669.24	NA	NA	Yes	BLACKWATER (CLARE)	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6953.64	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone
1564	Turbine Delivery Route Option 3A	Clare	82750	TDR 25m intervals	556658.10	666678.29	NA	NA	Yes	BLACKWATER (CLARE)	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6977.10	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone
1565	Turbine Delivery Route Option 3A	Clare		Crossing No. 19A (IPI	556655.91	666677.46	WCC	NA	Yes	BLACKWATER (CLARE)	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6977.10	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone
1566	Turbine Delivery Route Option 3A	Clare	82775	TDR 25m intervals	556634.80	666687.34	NA	NA	Yes	BLACKWATER (CLARE)	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7000.57	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone
1567	Turbine Delivery Route Option 3A	Clare	82800	TDR 25m intervals	556611.49	666696.39	NA	NA	Yes	BLACKWATER (CLARE)	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7024.05	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone
1568	Turbine Delivery Route Option 3A	Clare	82825	TDR 25m intervals	556588.02	666705.00	NA	NA	Yes	BLACKWATER (CLARE)	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7047.38	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone
1569	Turbine Delivery Route Option 3A	Clare	82850	TDR 25m intervals	556564.50	666713.46	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7070.66	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1570	Turbine Delivery Route Option 3A	Clare	82875	TDR 25m intervals	556540.98	666721.94	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7093.96	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1571	Turbine Delivery Route Option 3A	Clare	82900	TDR 25m intervals	556517.46	666730.41	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7117.27	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1572	Turbine Delivery Route Option 3A	Clare	35775	TDR 25m intervals	556493.94	666738.89	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7140.59	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone

Appendix 10.3 - Baseline Database -Turbine Delivery Route, Option 3A
Oatfield WF, Co. Clare

Project Ref. 604569
Prepared by: Cca / DW
Date: 17/11/2023
File Ref: 604569-Geo-R03-App10.3-(00)-Baseline Database -Turbine Delivery Route

	TDR		Assessment Location		Grid Coordinates (ITM)		Construction Details		Surface Water				Groundwater / Bedrock Aquifer						Groundwater / Wells / Abstraction		Designated Areas			Assessment Graphics / Comment	
Row No.	Turbine Delivery Route (TDR)	County	Location ID	Assessment Location Category	Easting	Northing	Type of Water Crossing / Construction Activity	Approximate Construction Depth (Excavation / Drilling) Depth Relative to Ground Level)	SW 50m Buffer	Receptor Category (Mapped river = EPA / WFD mapped)	River basins	Subcatchments	Aquifer Vulnerability	Potential Depth to Bedrock (acc. To GSI categories)	GW Aquifer Type	Excavation in or near Bedrock (In line with GSI mapped Aquifer Vulnerability)	Karst 25m buffer	Distance to Karst Feature	GW Abstraction 250m Buffer	Groundwater Source Protection Area NFGWS	SAC 50m Buffer	SPA 50m Buffer	Within SAC / SPA / NHA ?	Map Tile Number	Comments & MITIGATION MEASURES
					ITM	ITM		mbGL	50m										250m						
1573	Turbine Delivery Route Option 3A	Clare	35750	TDR 25m intervals	556470.42	666747.37	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7163.93	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1574	Turbine Delivery Route Option 3A	Clare	35725	TDR 25m intervals	556446.90	666755.85	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7187.27	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1575	Turbine Delivery Route Option 3A	Clare	35700	TDR 25m intervals	556423.39	666764.33	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7210.63	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1576	Turbine Delivery Route Option 3A	Clare	35675	TDR 25m intervals	556399.87	666772.81	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7233.99	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1577	Turbine Delivery Route Option 3A	Clare	35650	TDR 25m intervals	556376.35	666781.29	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7257.37	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1578	Turbine Delivery Route Option 3A	Clare	83075	TDR 25m intervals	556352.83	666789.76	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7280.76	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1579	Turbine Delivery Route Option 3A	Clare	83100	TDR 25m intervals	556329.43	666798.57	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7304.28	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1580	Turbine Delivery Route Option 3A	Clare	83125	TDR 25m intervals	556306.05	666807.42	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7327.83	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1581	Turbine Delivery Route Option 3A	Clare	83150	TDR 25m intervals	556282.67	666816.27	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7351.38	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1582	Turbine Delivery Route Option 3A	Clare	83175	TDR 25m intervals	556259.29	666825.12	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7374.95	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1583	Turbine Delivery Route Option 3A	Clare	83200	TDR 25m intervals	556235.83	666833.75	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7398.44	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1584	Turbine Delivery Route Option 3A	Clare	83225	TDR 25m intervals	556212.22	666841.97	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7421.80	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1585	Turbine Delivery Route Option 3A	Clare	83250	TDR 25m intervals	556188.61	666850.19	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7445.16	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1586	Turbine Delivery Route Option 3A	Clare	83275	TDR 25m intervals	556165.00	666858.41	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7468.53	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1587	Turbine Delivery Route Option 3A	Clare	83300	TDR 25m intervals	556141.39	666866.62	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7491.92	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1588	Turbine Delivery Route Option 3A	Clare	83325	TDR 25m intervals	556117.78	666874.84	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7515.31	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1589	Turbine Delivery Route Option 3A	Clare	83350	TDR 25m intervals	556094.16	666883.06	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7538.72	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1590	Turbine Delivery Route Option 3A	Clare	83375	TDR 25m intervals	556070.35	666890.65	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7561.89	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1591	Turbine Delivery Route Option 3A	Clare	83400	TDR 25m intervals	556046.48	666898.08	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7585.01	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1592	Turbine Delivery Route Option 3A	Clare	35300	TDR 25m intervals	556022.60	666905.50	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7608.15	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1593	Turbine Delivery Route Option 3A	Clare	35275	TDR 25m intervals	555998.77	666913.05	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7631.34	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1594	Turbine Delivery Route Option 3A	Clare	35250	TDR 25m intervals	555975.04	666920.90	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7654.66	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1595	Turbine Delivery Route Option 3A	Clare	35225	TDR 25m intervals	555951.30	666928.75	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7677.99	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1596	Turbine Delivery Route Option 3A	Clare	35200	TDR 25m intervals	555927.56	666936.59	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7701.34	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1597	Turbine Delivery Route Option 3A	Clare	83550	TDR 25m intervals	555903.83	666944.44	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7724.69	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1598	Turbine Delivery Route Option 3A	Clare	83575	TDR 25m intervals	555880.04	666952.13	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7747.99	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1599	Turbine Delivery Route Option 3A	Clare	83600	TDR 25m intervals	555856.17	666959.55	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7771.20	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1600	Turbine Delivery Route Option 3A	Clare	83625	TDR 25m intervals	555832.29	666966.97	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7794.42	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1601	Turbine Delivery Route Option 3A	Clare	83650	TDR 25m intervals	555808.42	666974.39	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7817.65	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1602	Turbine Delivery Route Option 3A	Clare	83675	TDR 25m intervals	555784.54	666981.81	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7840.89	No	No	No	No	No		NA
1603	Turbine Delivery Route Option 3A	Clare	83700	TDR 25m intervals	555760.67	666989.23	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7864.15	No	No	No	No	No		NA
1604	Turbine Delivery Route Option 3A	Clare	83725	TDR 25m intervals	555736.80	666996.65	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7887.41	No	No	No	No	No		NA
1605	Turbine Delivery Route Option 3A	Clare	83750	TDR 25m intervals	555712.92	667004.07	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7910.69	No	No	No	No	No		NA
1606	Turbine Delivery Route Option 3A	Clare	83775	TDR 25m intervals	555689.05	667011.49	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7933.97	No	No	No	No	No		NA
1607	Turbine Delivery Route Option 3A	Clare	83800	TDR 25m intervals	555665.18	667018.90	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7957.27	No	No	No	No	No		NA

Appendix 10.3 - Baseline Database -Turbine Delivery Route, Option 3A
Oatfield WF, Co. Clare

Project Ref. 604569
Prepared by: Cca / DW
Date: 17/11/2023
File Ref: 604569-Geo-R03-App10.3-(00)-Baseline Database -Turbine Delivery Route

	TDR		Assessment Location		Grid Coordinates (ITM)		Construction Details		Surface Water				Groundwater / Bedrock Aquifer						Groundwater / Wells / Abstraction		Designated Areas			Assessment Graphics / Comment	
Row No.	Turbine Delivery Route (TDR)	County	Location ID	Assessment Location Category	Easting	Northing	Type of Water Crossing / Construction Activity	Approximate Construction Depth (Excavation / Drilling) Depth Relative to Ground Level)	SW 50m Buffer	Receptor Category (Mapped river = EPA / WFD mapped)	River basins	Subcatchments	Aquifer Vulnerability	Potential Depth to Bedrock (acc. To GSI categories)	GW Aquifer Type	Excavation in or near Bedrock (In line with GSI mapped Aquifer Vulnerability)	Karst 25m buffer	Distance to Karst Feature	GW Abstraction 250m Buffer	Groundwater Source Protection Area NFGWS	SAC 50m Buffer	SPA 50m Buffer	Within SAC / SPA / NHA ?	Map Tile Number	Comments & MITIGATION MEASURES
					ITM	ITM		mbGL	50m										250m						
1608	Turbine Delivery Route Option 3A	Clare	83825	TDR 25m intervals	555641.35	667026.46	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7980.62	No	No	No	No	No		NA
1609	Turbine Delivery Route Option 3A	Clare	83850	TDR 25m intervals	555617.56	667034.14	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8004.04	No	No	No	No	No		NA
1610	Turbine Delivery Route Option 3A	Clare	83875	TDR 25m intervals	555593.77	667041.83	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8027.46	No	No	No	No	No		NA
1611	Turbine Delivery Route Option 3A	Clare	83900	TDR 25m intervals	555569.98	667049.51	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8050.90	No	No	No	No	No		NA
1612	Turbine Delivery Route Option 3A	Clare	83925	TDR 25m intervals	555546.19	667057.20	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8074.34	No	No	No	No	No		NA
1613	Turbine Delivery Route Option 3A	Clare	83950	TDR 25m intervals	555522.40	667064.88	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8097.79	No	No	No	No	No		NA
1614	Turbine Delivery Route Option 3A	Clare	34775	TDR 25m intervals	555498.61	667072.57	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8121.26	No	No	No	No	No		NA
1615	Turbine Delivery Route Option 3A	Clare	34750	TDR 25m intervals	555474.72	667079.93	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8144.60	No	No	No	No	No		NA
1616	Turbine Delivery Route Option 3A	Clare	34725	TDR 25m intervals	555450.62	667086.56	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8167.68	No	No	No	No	No		NA
1617	Turbine Delivery Route Option 3A	Clare	34700	TDR 25m intervals	555426.54	667093.30	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8190.82	No	No	No	No	No		NA
1618	Turbine Delivery Route Option 3A	Clare	34675	TDR 25m intervals	555402.52	667100.22	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8214.04	No	No	No	No	No		NA
1619	Turbine Delivery Route Option 3A	Clare	34650	TDR 25m intervals	555378.50	667107.14	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8237.26	No	No	No	No	No		NA
1620	Turbine Delivery Route Option 3A	Clare	34625	TDR 25m intervals	555354.47	667114.05	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8260.50	No	No	No	No	No		NA
1621	Turbine Delivery Route Option 3A	Clare	84150	TDR 25m intervals	555330.45	667120.97	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8283.74	No	No	No	No	No		NA
1622	Turbine Delivery Route Option 3A	Clare	84175	TDR 25m intervals	555306.42	667127.89	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8307.00	No	No	No	No	No		NA
1623	Turbine Delivery Route Option 3A	Clare	84200	TDR 25m intervals	555282.40	667134.80	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8330.26	No	No	No	No	No		NA
1624	Turbine Delivery Route Option 3A	Clare	84225	TDR 25m intervals	555258.37	667141.71	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8353.54	No	No	No	No	No		NA
1625	Turbine Delivery Route Option 3A	Clare	84250	TDR 25m intervals	555234.33	667148.58	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8376.81	No	No	No	No	No		NA
1626	Turbine Delivery Route Option 3A	Clare	84275	TDR 25m intervals	555210.30	667155.44	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8400.08	No	No	No	No	No		NA
1627	Turbine Delivery Route Option 3A	Clare	84300	TDR 25m intervals	555186.26	667162.31	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8423.37	No	No	No	No	No		NA
1628	Turbine Delivery Route Option 3A	Clare	84325	TDR 25m intervals	555162.22	667169.17	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8446.67	No	No	No	No	No		NA
1629	Turbine Delivery Route Option 3A	Clare	84350	TDR 25m intervals	555138.18	667176.04	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8441.15	No	No	No	No	No		NA
1630	Turbine Delivery Route Option 3A	Clare	84375	TDR 25m intervals	555114.05	667182.58	NA	NA	Yes	BLACKWATER (CLARE)	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8436.15	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
1631	Turbine Delivery Route Option 3A	Clare	84400	TDR 25m intervals	555089.92	667189.12	NA	NA	Yes	BLACKWATER (CLARE)	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8431.22	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
1632	Turbine Delivery Route Option 3A	Clare		Crossing No. 10A (IPF	555079.20	667189.74	WCC	NA	Yes	BLACKWATER (CLARE)	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8431.22	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
1633	Turbine Delivery Route Option 3A	Clare	84425	TDR 25m intervals	555065.23	667192.57	NA	NA	Yes	BLACKWATER (CLARE)	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8429.48	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
1634	Turbine Delivery Route Option 3A	Clare	84450	TDR 25m intervals	555040.34	667195.00	NA	NA	Yes	BLACKWATER (CLARE)	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8428.86	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
1635	Turbine Delivery Route Option 3A	Clare	84475	TDR 25m intervals	555015.46	667197.42	NA	NA	Yes	BLACKWATER (CLARE)	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8428.30	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
1636	Turbine Delivery Route Option 3A	Clare	84500	TDR 25m intervals	554990.58	667199.88	NA	NA	Yes	BLACKWATER (CLARE)	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8427.80	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
1637	Turbine Delivery Route Option 3A	Clare	84525	TDR 25m intervals	554965.73	667202.55	NA	NA	Yes	BLACKWATER (CLARE)	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8427.14	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
1638	Turbine Delivery Route Option 3A	Clare	84550	TDR 25m intervals	554940.87	667205.22	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8426.57	No	No	No	No	No		NA
1639	Turbine Delivery Route Option 3A	Clare	84575	TDR 25m intervals	554916.06	667208.28	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8425.68	No	No	No	No	No		NA
1640	Turbine Delivery Route Option 3A	Clare	34150	TDR 25m intervals	554891.31	667211.79	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8424.40	No	No	No	No	No		NA
1641	Turbine Delivery Route Option 3A	Clare	34125	TDR 25m intervals	554866.56	667215.30	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8423.20	No	No	No	No	No		NA
1642	Turbine Delivery Route Option 3A	Clare	34100	TDR 25m intervals	554841.80	667218.81	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8422.07	No	No	No	No	No		NA

Appendix 10.3 - Baseline Database -Turbine Delivery Route, Option 3A
Oatfield WF, Co. Clare

Project Ref. 604569
Prepared by: Cca / DW
Date: 17/11/2023
File Ref: 604569-Geo-R03-App10.3-(00)-Baseline Database -Turbine Delivery Route

	TDR		Assessment Location		Grid Coordinates (ITM)		Construction Details		Surface Water				Groundwater / Bedrock Aquifer						Groundwater / Wells / Abstraction		Designated Areas			Assessment Graphics / Comment	
Row No.	Turbine Delivery Route (TDR)	County	Location ID	Assessment Location Category	Easting	Northing	Type of Water Crossing / Construction Activity	Approximate Construction Depth (Excavation / Drilling) Depth Relative to Ground Level)	SW 50m Buffer	Receptor Category (Mapped river = EPA / WFD mapped)	River basins	Subcatchments	Aquifer Vulnerability	Potential Depth to Bedrock (acc. To GSI categories)	GW Aquifer Type	Excavation in or near Bedrock (In line with GSI mapped Aquifer Vulnerability)	Karst 25m buffer	Distance to Karst Feature	GW Abstraction 250m Buffer	Groundwater Source Protection Area NFGWS	SAC 50m Buffer	SPA 50m Buffer	Within SAC / SPA / NHA ?	Map Tile Number	Comments & MITIGATION MEASURES
					ITM	ITM		mbGL	50m										250m						
1643	Turbine Delivery Route Option 3A	Clare	84675	TDR 25m intervals	554817.14	667222.90	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8420.43	No	No	No	No	No		NA
1644	Turbine Delivery Route Option 3A	Clare	84700	TDR 25m intervals	554792.52	667227.21	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8418.65	No	No	No	No	No		NA
1645	Turbine Delivery Route Option 3A	Clare	34000	TDR 25m intervals	554767.89	667231.52	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8416.94	No	No	No	No	No		NA
1646	Turbine Delivery Route Option 3A	Clare	33975	TDR 25m intervals	554743.21	667235.47	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8415.66	No	No	No	No	No		NA
1647	Turbine Delivery Route Option 3A	Clare	33925	TDR 25m intervals	554718.46	667239.02	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8414.87	No	No	No	No	No		NA
1648	Turbine Delivery Route Option 3A	Clare	84800	TDR 25m intervals	554693.71	667242.56	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8414.16	No	No	No	No	No		NA
1649	Turbine Delivery Route Option 3A	Clare	33800	TDR 25m intervals	554668.98	667246.23	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8413.39	No	No	No	No	No		NA
1650	Turbine Delivery Route Option 3A	Clare	33775	TDR 25m intervals	554644.26	667249.93	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8412.66	No	No	No	No	No		NA
1651	Turbine Delivery Route Option 3A	Clare	33750	TDR 25m intervals	554619.54	667253.63	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8412.01	No	No	No	No	No		NA
1652	Turbine Delivery Route Option 3A	Clare	33725	TDR 25m intervals	554594.81	667257.34	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8411.44	No	No	No	No	No		NA
1653	Turbine Delivery Route Option 3A	Clare	84925	TDR 25m intervals	554570.09	667261.04	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8410.93	No	No	No	No	No		NA
1654	Turbine Delivery Route Option 3A	Clare	33650	TDR 25m intervals	554545.33	667264.49	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8410.75	No	No	No	No	No		NA
1655	Turbine Delivery Route Option 3A	Clare	33625	TDR 25m intervals	554520.55	667267.84	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8410.76	No	No	No	No	No		NA
1656	Turbine Delivery Route Option 3A	Clare	33600	TDR 25m intervals	554495.78	667271.19	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8410.83	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1657	Turbine Delivery Route Option 3A	Clare	85025	TDR 25m intervals	554471.00	667274.54	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8410.98	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1658	Turbine Delivery Route Option 3A	Clare	33525	TDR 25m intervals	554446.41	667279.03	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8410.05	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1659	Turbine Delivery Route Option 3A	Clare	33500	TDR 25m intervals	554421.84	667283.64	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8409.08	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1660	Turbine Delivery Route Option 3A	Clare	33475	TDR 25m intervals	554397.24	667288.10	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8408.32	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1661	Turbine Delivery Route Option 3A	Clare	33425	TDR 25m intervals	554372.63	667292.49	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8407.71	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1662	Turbine Delivery Route Option 3A	Clare	33400	TDR 25m intervals	554348.10	667297.25	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8406.81	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1663	Turbine Delivery Route Option 3A	Clare	33375	TDR 25m intervals	554323.89	667303.50	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8404.45	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1664	Turbine Delivery Route Option 3A	Clare	33350	TDR 25m intervals	554299.69	667309.75	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8402.16	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1665	Turbine Delivery Route Option 3A	Clare	33300	TDR 25m intervals	554275.70	667316.77	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8399.16	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1666	Turbine Delivery Route Option 3A	Clare		Site No. 19	554246.52	667316.28	Road widening	0.45	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	8399.16	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1667	Turbine Delivery Route Option 3A	Clare	85675	TDR 25m intervals	554251.75	667323.95	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8396.06	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1668	Turbine Delivery Route Option 3A	Clare	85625	TDR 25m intervals	554227.44	667329.75	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8394.46	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1669	Turbine Delivery Route Option 3A	Limerick	85050	TDR 25m intervals	554447.47	655073.90	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2221.12	No	No	No	No	No		NA
1670	Turbine Delivery Route Option 3A	Limerick	33550	TDR 25m intervals	554467.17	655089.29	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2239.80	No	No	No	No	No		NA
1671	Turbine Delivery Route Option 3A	Limerick	33575	TDR 25m intervals	554486.88	655104.68	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2258.59	No	No	No	No	No		NA
1672	Turbine Delivery Route Option 3A	Limerick	85000	TDR 25m intervals	554506.58	655120.06	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2277.51	No	No	No	No	No		NA
1673	Turbine Delivery Route Option 3A	Limerick		Site No. 1	554508.03	655149.32	Road widening	0.45	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	Not likely	NA	2277.51	No	No	No	No	No		NA
1674	Turbine Delivery Route Option 3A	Limerick	84975	TDR 25m intervals	554526.28	655135.45	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2296.54	No	No	No	No	No		NA
1675	Turbine Delivery Route Option 3A	Limerick	84950	TDR 25m intervals	554545.99	655150.84	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2315.69	No	No	No	No	No		NA
1676	Turbine Delivery Route Option 3A	Limerick	33675	TDR 25m intervals	554565.69	655166.22	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2334.94	No	No	No	No	No		NA
1677	Turbine Delivery Route Option 3A	Limerick	33700	TDR 25m intervals	554585.39	655181.61	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2354.31	No	No	No	No	No		NA
1678	Turbine Delivery Route Option 3A	Limerick	84900	TDR 25m intervals	554605.10	655197.00	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2373.78	No	No	No	No	No		NA
1679	Turbine Delivery Route Option 3A	Limerick	84875	TDR 25m intervals	554624.71	655212.49	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2393.44	No	No	No	No	No		NA
1680	Turbine Delivery Route Option 3A	Limerick	84850	TDR 25m intervals	554646.08	655223.65	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2409.40	No	No	No	No	No		NA

Appendix 10.3 - Baseline Database -Turbine Delivery Route, Option 3A
Oatfield WF, Co. Clare

Project Ref. 604569
Prepared by: Cca / DW
Date: 17/11/2023
File Ref: 604569-Geo-R03-App10.3-(00)-Baseline Database -Turbine Delivery Route

	TDR		Assessment Location		Grid Coordinates (ITM)		Construction Details		Surface Water				Groundwater / Bedrock Aquifer						Groundwater / Wells / Abstraction		Designated Areas			Assessment Graphics / Comment	
Row No.	Turbine Delivery Route (TDR)	County	Location ID	Assessment Location Category	Easting	Northing	Type of Water Crossing / Construction Activity	Approximate Construction Depth (Excavation / Drilling) Depth Relative to Ground Level)	SW 50m Buffer	Receptor Category (Mapped river = EPA / WFD mapped)	River basins	Subcatchments	Aquifer Vulnerability	Potential Depth to Bedrock (acc. To GSI categories)	GW Aquifer Type	Excavation in or near Bedrock (In line with GSI mapped Aquifer Vulnerability)	Karst 25m buffer	Distance to Karst Feature	GW Abstraction 250m Buffer	Groundwater Source Protection Area NFGWS	SAC 50m Buffer	SPA 50m Buffer	Within SAC / SPA / NHA ?	Map Tile Number	Comments & MITIGATION MEASURES
					ITM	ITM		mbGL	50m										250m						
1681	Turbine Delivery Route Option 3A	Limerick		Site No. 1	554648.34	655215.11	Road widening	0.45	80	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	Not likely	NA	2409.40	No	No	No	No	No		NA
1682	Turbine Delivery Route Option 3A	Limerick	33825	TDR 25m intervals	554670.00	655219.68	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2411.53	No	No	No	No	No		NA
1683	Turbine Delivery Route Option 3A	Limerick	84825	TDR 25m intervals	554678.82	655196.63	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2391.52	No	No	No	No	No		NA
1684	Turbine Delivery Route Option 3A	Limerick	33850	TDR 25m intervals	554677.92	655171.65	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2367.16	No	No	No	No	No		NA
1685	Turbine Delivery Route Option 3A	Limerick	33875	TDR 25m intervals	554691.60	655151.25	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2351.13	No	No	No	No	No		NA
1686	Turbine Delivery Route Option 3A	Limerick	33900	TDR 25m intervals	554706.63	655131.27	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2336.04	No	No	No	No	No		NA
1687	Turbine Delivery Route Option 3A	Limerick	84775	TDR 25m intervals	554721.67	655111.30	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2321.11	No	No	No	No	No		NA
1688	Turbine Delivery Route Option 3A	Limerick	33950	TDR 25m intervals	554736.70	655091.32	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2306.36	No	No	No	No	No		NA
1689	Turbine Delivery Route Option 3A	Limerick	84750	TDR 25m intervals	554752.99	655072.48	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2293.25	No	No	No	No	No		NA
1690	Turbine Delivery Route Option 3A	Limerick	84725	TDR 25m intervals	554771.29	655055.45	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2282.68	No	No	No	No	No		NA
1691	Turbine Delivery Route Option 3A	Limerick	34025	TDR 25m intervals	554789.59	655038.41	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2272.33	No	No	No	No	No		NA
1692	Turbine Delivery Route Option 3A	Limerick	34050	TDR 25m intervals	554807.88	655021.38	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2262.22	No	No	No	No	No		NA
1693	Turbine Delivery Route Option 3A	Limerick	34075	TDR 25m intervals	554827.29	655005.90	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2254.18	No	No	No	No	No		NA
1694	Turbine Delivery Route Option 3A	Limerick	84650	TDR 25m intervals	554849.37	654994.18	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2250.84	No	No	No	No	No		NA
1695	Turbine Delivery Route Option 3A	Limerick	84625	TDR 25m intervals	554871.45	654982.46	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2247.78	No	No	No	No	No		NA
1696	Turbine Delivery Route Option 3A	Limerick	84600	TDR 25m intervals	554893.54	654970.74	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2244.99	No	No	No	No	No		NA
1697	Turbine Delivery Route Option 3A	Limerick	34175	TDR 25m intervals	554915.62	654959.02	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2242.47	No	No	No	No	No		NA
1698	Turbine Delivery Route Option 3A	Limerick	34200	TDR 25m intervals	554937.70	654947.30	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Rock near surface or karst (X)	<1m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2240.24	No	No	No	No	No		NA
1699	Turbine Delivery Route Option 3A	Limerick	34225	TDR 25m intervals	554961.18	654939.01	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Rock near surface or karst (X)	<1m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2241.99	No	No	No	No	No		NA
1700	Turbine Delivery Route Option 3A	Limerick	34250	TDR 25m intervals	554985.18	654932.03	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Rock near surface or karst (X)	<1m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2245.41	No	No	No	No	No		NA
1701	Turbine Delivery Route Option 3A	Limerick	34275	TDR 25m intervals	555009.19	654925.05	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Rock near surface or karst (X)	<1m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2249.11	No	No	No	No	No		NA
1702	Turbine Delivery Route Option 3A	Limerick	34300	TDR 25m intervals	555033.19	654918.06	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Rock near surface or karst (X)	<1m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2253.08	No	No	No	No	No		NA
1703	Turbine Delivery Route Option 3A	Limerick	34325	TDR 25m intervals	555057.20	654911.08	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2257.32	No	No	No	No	No		NA
1704	Turbine Delivery Route Option 3A	Limerick	34350	TDR 25m intervals	555081.20	654904.10	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2261.83	No	No	No	No	No		NA
1705	Turbine Delivery Route Option 3A	Limerick	34375	TDR 25m intervals	555105.53	654898.63	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2268.09	No	No	No	No	No		NA
1706	Turbine Delivery Route Option 3A	Limerick	34400	TDR 25m intervals	555130.31	654895.30	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2276.72	No	No	No	No	No		NA
1707	Turbine Delivery Route Option 3A	Limerick	34425	TDR 25m intervals	555155.08	654891.98	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2285.59	No	No	No	No	No		NA
1708	Turbine Delivery Route Option 3A	Limerick	34450	TDR 25m intervals	555179.91	654889.20	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2295.20	No	No	No	No	No		NA
1709	Turbine Delivery Route Option 3A	Limerick	34475	TDR 25m intervals	555204.89	654888.28	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2306.72	No	No	No	No	No		NA
1710	Turbine Delivery Route Option 3A	Limerick	34500	TDR 25m intervals	555229.87	654887.35	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2318.45	No	No	No	No	No		NA
1711	Turbine Delivery Route Option 3A	Limerick	34525	TDR 25m intervals	555254.86	654886.43	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2330.40	No	No	No	No	No		NA
1712	Turbine Delivery Route Option 3A	Limerick	34550	TDR 25m intervals	555279.84	654886.80	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2343.65	No	No	No	No	No		NA
1713	Turbine Delivery Route Option 3A	Limerick	34575	TDR 25m intervals	555304.83	654887.61	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2357.48	No	No	No	No	No		NA
1714	Turbine Delivery Route Option 3A	Limerick	34600	TDR 25m intervals	555329.82	654888.42	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2371.49	No	No	No	No	No		NA
1715	Turbine Delivery Route Option 3A	Limerick	84125	TDR 25m intervals	555354.71	654890.71	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2386.85	No	No	No	No	No		NA
1716	Turbine Delivery Route Option 3A	Limerick	84100	TDR 25m intervals	555379.59	654893.14	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2402.51	No	No	No	No	No		NA
1717	Turbine Delivery Route Option 3A	Limerick	84075	TDR 25m intervals	555404.47	654895.58	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2418.32	No	No	No	No	No		NA
1718	Turbine Delivery Route Option 3A	Limerick	84050	TDR 25m intervals	555429.35	654898.06	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2434.31	No	No	No	No	No		NA
1719	Turbine Delivery Route Option 3A	Limerick	84025	TDR 25m intervals	555454.22	654900.55	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2450.47	No	No	No	No	No		NA
1720	Turbine Delivery Route Option 3A	Limerick	84000	TDR 25m intervals	555479.10	654903.04	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2466.77	No	No	No	No	No		NA
1721	Turbine Delivery Route Option 3A	Limerick	83975	TDR 25m intervals	555503.97	654905.53	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2483.22	No	No	No	No	No		NA
1722	Turbine Delivery Route Option 3A	Limerick	34800	TDR 25m intervals	555528.93	654906.96	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Low (L)	>10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2499.00	No	No	No	No	No		NA
1723	Turbine Delivery Route Option 3A	Limerick	34825	TDR 25m intervals	555553.89	654908.38	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Low (L)	>10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2514.93	No	No	No	No	No		NA
1724	Turbine Delivery Route Option 3A	Limerick	34850	TDR 25m intervals	555578.85	654909.80	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Low (L)	>10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2531.00	No	No	No	No	No		NA
1725	Turbine Delivery Route Option 3A	Limerick	34875	TDR 25m intervals	555603.82	654911.12	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Low (L)	>10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2547.14	No	No	No	No	No		NA
1726	Turbine Delivery Route Option 3A	Limerick	34900	TDR 25m intervals	555628.81	654911.68	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Low (L)	>10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2562.84	No	No	No	No	No		NA
1727	Turbine Delivery Route Option 3A	Limerick	34925	TDR 25m intervals	555653.80	654912.24	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Low (L)	>10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2578.68	No	No	No	No	No		NA

Appendix 10.3 - Baseline Database -Turbine Delivery Route, Option 3A
Oatfield WF, Co. Clare

Project Ref. 604569
Prepared by: Cca / DW
Date: 17/11/2023
File Ref: 604569-Geo-R03-App10.3-(00)-Baseline Database -Turbine Delivery Route

	TDR		Assessment Location		Grid Coordinates (ITM)		Construction Details		Surface Water				Groundwater / Bedrock Aquifer						Groundwater / Wells / Abstraction		Designated Areas			Assessment Graphics / Comment	
Row No.	Turbine Delivery Route (TDR)	County	Location ID	Assessment Location Category	Easting	Northing	Type of Water Crossing / Construction Activity	Approximate Construction Depth (Excavation / Drilling) Depth Relative to Ground Level)	SW 50m Buffer	Receptor Category (Mapped river = EPA / WFD mapped)	River basins	Subcatchments	Aquifer Vulnerability	Potential Depth to Bedrock (acc. To GSI categories)	GW Aquifer Type	Excavation in or near Bedrock (In line with GSI mapped Aquifer Vulnerability)	Karst 25m buffer	Distance to Karst Feature	GW Abstraction 250m Buffer	Groundwater Source Protection Area NFGWS	SAC 50m Buffer	SPA 50m Buffer	Within SAC / SPA / NHA ?	Map Tile Number	Comments & MITIGATION MEASURES
					ITM	ITM		mbGL	50m										250m						
1728	Turbine Delivery Route Option 3A	Limerick	34950	TDR 25m intervals	555678.79	654912.86	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Low (L)	>10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2594.72	No	No	No	No	No		NA
1729	Turbine Delivery Route Option 3A	Limerick	34975	TDR 25m intervals	555703.78	654913.70	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Low (L)	>10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2611.06	No	No	No	No	No		NA
1730	Turbine Delivery Route Option 3A	Limerick	35000	TDR 25m intervals	555728.77	654914.53	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Low (L)	>10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2627.53	No	No	No	No	No		NA
1731	Turbine Delivery Route Option 3A	Limerick	35025	TDR 25m intervals	555753.76	654914.52	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Low (L)	>10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2643.50	No	No	No	No	No		NA
1732	Turbine Delivery Route Option 3A	Limerick	35050	TDR 25m intervals	555778.76	654914.24	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Low (L)	>10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2659.40	No	No	No	No	No		NA
1733	Turbine Delivery Route Option 3A	Limerick	35075	TDR 25m intervals	555803.76	654913.96	NA	NA	No	NA			Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2675.45	No	No	No	No	No		NA
1734	Turbine Delivery Route Option 3A	Limerick	35100	TDR 25m intervals	555828.76	654913.57	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2691.54	No	No	No	No	No		NA
1735	Turbine Delivery Route Option 3A	Limerick	35125	TDR 25m intervals	555853.75	654913.05	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2707.67	No	No	No	No	No		NA
1736	Turbine Delivery Route Option 3A	Limerick	35150	TDR 25m intervals	555878.75	654912.54	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2723.94	No	No	No	No	No		NA
1737	Turbine Delivery Route Option 3A	Limerick	35175	TDR 25m intervals	555903.74	654912.07	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2740.38	No	No	No	No	No		NA
1738	Turbine Delivery Route Option 3A	Limerick	83525	TDR 25m intervals	555928.74	654911.70	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2757.02	No	No	No	No	No		NA
1739	Turbine Delivery Route Option 3A	Limerick	83500	TDR 25m intervals	555953.74	654911.34	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2773.78	No	No	No	No	No		NA
1740	Turbine Delivery Route Option 3A	Limerick	83475	TDR 25m intervals	555978.66	654909.58	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2789.61	No	No	No	No	No		NA
1741	Turbine Delivery Route Option 3A	Limerick	83450	TDR 25m intervals	556003.57	654907.44	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2805.29	No	No	No	No	No		NA
1742	Turbine Delivery Route Option 3A	Limerick	83425	TDR 25m intervals	556028.48	654905.31	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2821.11	No	No	No	No	No		NA
1743	Turbine Delivery Route Option 3A	Limerick	35325	TDR 25m intervals	556053.44	654903.98	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2837.67	No	No	No	No	No		NA
1744	Turbine Delivery Route Option 3A	Limerick	35350	TDR 25m intervals	556078.41	654902.76	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2854.43	No	No	No	No	No		NA
1745	Turbine Delivery Route Option 3A	Limerick	35375	TDR 25m intervals	556103.38	654901.54	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2871.32	No	No	No	No	No		NA
1746	Turbine Delivery Route Option 3A	Limerick	35400	TDR 25m intervals	556128.30	654899.57	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2887.76	No	No	No	No	No		NA
1747	Turbine Delivery Route Option 3A	Limerick	35425	TDR 25m intervals	556153.22	654897.47	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2904.23	No	No	No	No	No		NA
1748	Turbine Delivery Route Option 3A	Limerick	35450	TDR 25m intervals	556178.13	654895.37	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2920.82	No	No	No	No	No		NA
1749	Turbine Delivery Route Option 3A	Limerick	35475	TDR 25m intervals	556203.01	654893.00	NA	NA	No	NA			Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2937.32	No	No	No	No	No		NA
1750	Turbine Delivery Route Option 3A	Limerick	35500	TDR 25m intervals	556227.84	654890.11	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2953.55	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1751	Turbine Delivery Route Option 3A	Limerick	35525	TDR 25m intervals	556252.68	654887.21	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2969.90	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1752	Turbine Delivery Route Option 3A	Limerick	35550	TDR 25m intervals	556277.51	654884.33	NA	NA	No	NA			Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	2986.39	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1753	Turbine Delivery Route Option 3A	Limerick	35575	TDR 25m intervals	556302.34	654881.46	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	3002.99	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1754	Turbine Delivery Route Option 3A	Limerick	35600	TDR 25m intervals	556327.18	654878.59	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	3019.71	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1755	Turbine Delivery Route Option 3A	Limerick	35625	TDR 25m intervals	556351.96	654875.29	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	3036.23	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1756	Turbine Delivery Route Option 3A	Limerick	83050	TDR 25m intervals	556376.70	654871.71	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	3052.65	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1757	Turbine Delivery Route Option 3A	Limerick	83025	TDR 25m intervals	556401.44	654868.13	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	3069.19	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1758	Turbine Delivery Route Option 3A	Limerick	83000	TDR 25m intervals	556426.18	654864.56	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	3085.83	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1759	Turbine Delivery Route Option 3A	Limerick	82975	TDR 25m intervals	556450.71	654859.69	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	3101.61	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1760	Turbine Delivery Route Option 3A	Limerick	82950	TDR 25m intervals	556475.23	654854.83	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	3117.51	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1761	Turbine Delivery Route Option 3A	Limerick	82925	TDR 25m intervals	556499.83	654850.39	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	3133.85	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1762	Turbine Delivery Route Option 3A	Limerick	35800	TDR 25m intervals	556524.51	654846.40	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	3150.64	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1763	Turbine Delivery Route Option 3A	Limerick	35825	TDR 25m intervals	556549.19	654842.41	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	3167.54	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1764	Turbine Delivery Route Option 3A	Limerick	35850	TDR 25m intervals	556573.72	654837.61	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	3183.94	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1765	Turbine Delivery Route Option 3A	Limerick	35875	TDR 25m intervals	556598.22	654832.63	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	3200.32	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1766	Turbine Delivery Route Option 3A	Limerick	35900	TDR 25m intervals	556622.83	654828.32	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	3217.30	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1767	Turbine Delivery Route Option 3A	Limerick	35925	TDR 25m intervals	556647.58	654824.79	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	3234.96	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1768	Turbine Delivery Route Option 3A	Limerick	35950	TDR 25m intervals	556672.32	654821.20	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	3252.67	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1769	Turbine Delivery Route Option 3A	Limerick	35975	TDR 25m intervals	556697.04	654817.42	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	3270.34	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1770	Turbine Delivery Route Option 3A	Limerick	36000	TDR 25m intervals	556721.75	654813.64	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	3288.12	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1771	Turbine Delivery Route Option 3A	Limerick	36025	TDR 25m intervals	556746.46	654809.87	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	3305.98	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1772	Turbine Delivery Route Option 3A	Limerick	36050	TDR 25m intervals	556771.22	654806.42	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	3324.17	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1773	Turbine Delivery Route Option 3A	Limerick	36075	TDR 25m intervals	556796.01	654803.14	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	3342.56	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1774	Turbine Delivery Route Option 3A	Limerick	36100	TDR 25m intervals	556820.79	654799.86	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	3361.03	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone

Appendix 10.3 - Baseline Database -Turbine Delivery Route, Option 3A
Oatfield WF, Co. Clare

Project Ref. 604569
Prepared by: Cca / DW
Date: 17/11/2023
File Ref: 604569-Geo-R03-App10.3-(00)-Baseline Database -Turbine Delivery Route

	TDR		Assessment Location		Grid Coordinates (ITM)		Construction Details		Surface Water				Groundwater / Bedrock Aquifer						Groundwater / Wells / Abstraction		Designated Areas			Assessment Graphics / Comment	
Row No.	Turbine Delivery Route (TDR)	County	Location ID	Assessment Location Category	Easting	Northing	Type of Water Crossing / Construction Activity	Approximate Construction Depth (Excavation / Drilling) Depth Relative to Ground Level)	SW 50m Buffer	Receptor Category (Mapped river = EPA / WFD mapped)	River basins	Subcatchments	Aquifer Vulnerability	Potential Depth to Bedrock (acc. To GSI categories)	GW Aquifer Type	Excavation in or near Bedrock (In line with GSI mapped Aquifer Vulnerability)	Karst 25m buffer	Distance to Karst Feature	GW Abstraction 250m Buffer	Groundwater Source Protection Area NFGWS	SAC 50m Buffer	SPA 50m Buffer	Within SAC / SPA / NHA ?	Map Tile Number	Comments & MITIGATION MEASURES
					ITM	ITM		mbGL	50m										250m						
1775	Turbine Delivery Route Option 3A	Limerick	82550	TDR 25m intervals	556845.58	654796.59	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	3379.60	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1776	Turbine Delivery Route Option 3A	Limerick	82525	TDR 25m intervals	556870.36	654793.33	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	3398.25	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1777	Turbine Delivery Route Option 3A	Limerick	82500	TDR 25m intervals	556895.15	654790.07	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	3416.99	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1778	Turbine Delivery Route Option 3A	Limerick	36200	TDR 25m intervals	556919.94	654786.81	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	3435.80	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1779	Turbine Delivery Route Option 3A	Limerick	36225	TDR 25m intervals	556944.72	654783.51	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	3454.67	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1780	Turbine Delivery Route Option 3A	Limerick	36250	TDR 25m intervals	556969.48	654780.10	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	3473.54	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1781	Turbine Delivery Route Option 3A	Limerick	36275	TDR 25m intervals	556994.25	654776.70	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	3492.50	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1782	Turbine Delivery Route Option 3A	Limerick	36300	TDR 25m intervals	557019.02	654773.29	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Low (L)	>10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	3511.53	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1783	Turbine Delivery Route Option 3A	Limerick	36325	TDR 25m intervals	557043.78	654769.89	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Low (L)	>10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	3530.63	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1784	Turbine Delivery Route Option 3A	Limerick	36350	TDR 25m intervals	557068.55	654766.48	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Low (L)	>10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	3549.81	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1785	Turbine Delivery Route Option 3A	Limerick	36375	TDR 25m intervals	557093.38	654763.56	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Low (L)	>10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	3569.36	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1786	Turbine Delivery Route Option 3A	Limerick	36400	TDR 25m intervals	557118.22	654760.71	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Low (L)	>10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	3589.03	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1787	Turbine Delivery Route Option 3A	Limerick	82225	TDR 25m intervals	557143.05	654757.87	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Low (L)	>10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	3608.77	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1788	Turbine Delivery Route Option 3A	Limerick	82200	TDR 25m intervals	557167.89	654755.03	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Low (L)	>10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	3628.57	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1789	Turbine Delivery Route Option 3A	Limerick	82175	TDR 25m intervals	557192.73	654752.18	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Low (L)	>10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	3648.44	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1790	Turbine Delivery Route Option 3A	Limerick	82150	TDR 25m intervals	557217.55	654749.22	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Low (L)	>10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	3668.29	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1791	Turbine Delivery Route Option 3A	Limerick	82125	TDR 25m intervals	557242.33	654745.91	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Low (L)	>10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	3688.00	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1792	Turbine Delivery Route Option 3A	Limerick	36550	TDR 25m intervals	557267.11	654742.59	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Low (L)	>10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	3707.76	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1793	Turbine Delivery Route Option 3A	Limerick	36575	TDR 25m intervals	557291.89	654739.28	NA	NA	Yes	BALLYNACLOGH_010	BALLYNACLOGH_010	Ballynaclogh_SC_010	Low (L)	>10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	3728.69	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone
1794	Turbine Delivery Route Option 3A	Limerick	36600	TDR 25m intervals	557316.67	654735.97	NA	NA	Yes	BALLYNACLOGH_010	BALLYNACLOGH_010	Ballynaclogh_SC_010	Low (L)	>10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	3744.87	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone
1795	Turbine Delivery Route Option 3A	Limerick		TDR_WCC_124	557342.51	654732.64	WCC	NA	Yes	BALLYNACLOGH_010	BALLYNACLOGH_010	Ballynaclogh_SC_010	Low (L)	>10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	3744.87	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone
1796	Turbine Delivery Route Option 3A	Limerick	36625	TDR 25m intervals	557341.45	654732.66	NA	NA	Yes	BALLYNACLOGH_010	BALLYNACLOGH_010	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	3761.14	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone
1797	Turbine Delivery Route Option 3A	Limerick	36650	TDR 25m intervals	557366.23	654729.35	NA	NA	Yes	BALLYNACLOGH_010	BALLYNACLOGH_010	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	3777.52	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone
1798	Turbine Delivery Route Option 3A	Limerick	36675	TDR 25m intervals	557390.95	654725.61	NA	NA	Yes	BALLYNACLOGH_010	BALLYNACLOGH_010	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	3793.66	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone
1799	Turbine Delivery Route Option 3A	Limerick	36700	TDR 25m intervals	557415.64	654721.71	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	3809.78	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1800	Turbine Delivery Route Option 3A	Limerick	36725	TDR 25m intervals	557440.34	654717.82	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	3825.99	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1801	Turbine Delivery Route Option 3A	Limerick	36750	TDR 25m intervals	557465.03	654713.92	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	3842.30	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1802	Turbine Delivery Route Option 3A	Limerick	81875	TDR 25m intervals	557489.73	654710.03	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	3858.70	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1803	Turbine Delivery Route Option 3A	Limerick	81850	TDR 25m intervals	557514.42	654706.14	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	3875.19	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1804	Turbine Delivery Route Option 3A	Limerick	81825	TDR 25m intervals	557539.12	654702.24	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	3891.77	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1805	Turbine Delivery Route Option 3A	Limerick	81800	TDR 25m intervals	557563.81	654698.35	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	3908.44	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1806	Turbine Delivery Route Option 3A	Limerick	81775	TDR 25m intervals	557588.50	654694.40	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	3925.16	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1807	Turbine Delivery Route Option 3A	Limerick	91900	TDR 25m intervals	557613.02	654689.52	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	3941.26	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
1808	Turbine Delivery Route Option 3A	Limerick	81725	TDR 25m intervals	557637.54	654684.64	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	3957.46	No	No	No	No	No		NA
1809	Turbine Delivery Route Option 3A	Limerick	92250	TDR 25m intervals	557662.06	654679.77	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	3973.74	No	No	No	No	No		NA
1810	Turbine Delivery Route Option 3A	Limerick	92375	TDR 25m intervals	557686.58	654674.89	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	3990.11	No	No	No	No	No		NA
1811	Turbine Delivery Route Option 3A	Limerick	81650	TDR 25m intervals	557711.10	654670.02	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	4006.58	No	No	No	No	No		NA
1812	Turbine Delivery Route Option 3A	Limerick	91150	TDR 25m intervals	557735.62	654665.14	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	4023.13	No	No	No	No	No		NA
1813	Turbine Delivery Route Option 3A	Limerick	92625	TDR 25m intervals	557760.14	654660.26	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	4039.77	No	No	No	No	No		NA
1814	Turbine Delivery Route Option 3A	Limerick	91025	TDR 25m intervals	557784.66	654655.39	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	4056.49	No	No	No	No	No		NA
1815	Turbine Delivery Route Option 3A	Limerick	90975	TDR 25m intervals	557809.13	654650.28	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Low (L)	>10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	4073.12	No	No	No	No	No		NA
1816	Turbine Delivery Route Option 3A	Limerick	90925	TDR 25m intervals	557833.57	654645.01	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Low (L)	>10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	4089.72	No	No	No	No	No		NA
1817	Turbine Delivery Route Option 3A	Limerick	90875	TDR 25m intervals	557858.01	654639.75	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Low (L)	>10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	4106.41	No	No	No	No	No		NA
1818	Turbine Delivery Route Option 3A	Limerick	90825	TDR 25m intervals	557882.45	654634.49	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Low (L)	>10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	4123.18	No	No	No	No	No		NA
1819	Turbine Delivery Route Option 3A	Limerick	90775	TDR 25m intervals	557906.95	654629.56	NA	NA	Yes	BALLYNACLOGH_010	BALLYNACLOGH_010	Ballynaclogh_SC_010	Low (L)	>10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	4140.28	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
1820	Turbine Delivery Route Option 3A	Limerick	90725	TDR 25m intervals	557931.53	654625.00	NA	NA	Yes	BALLYNACLOGH_010	BALLYNACLOGH_010	Ballynaclogh_SC_010	Low (L)	>10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	4157.73	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
1821	Turbine Delivery Route Option 3A	Limerick		TDR_WCC_125	557951.05	654620.94	WCC	NA	Yes	BALLYNACLOGH_010	BALLYNACLOGH_010	Ballynaclogh_SC_010	Low (L)	>10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	4157.73	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone

Appendix 10.3 - Baseline Database -Turbine Delivery Route, Option 3A
Oatfield WF, Co. Clare

Project Ref. 604569
Prepared by: Cca / DW
Date: 17/11/2023
File Ref: 604569-Geo-R03-App10.3-(00)-Baseline Database -Turbine Delivery Route

	TDR		Assessment Location		Grid Coordinates (ITM)		Construction Details		Surface Water				Groundwater / Bedrock Aquifer						Groundwater / Wells / Abstraction		Designated Areas			Assessment Graphics / Comment	
Row No.	Turbine Delivery Route (TDR)	County	Location ID	Assessment Location Category	Easting	Northing	Type of Water Crossing / Construction Activity	Approximate Construction Depth (Excavation / Drilling) Depth Relative to Ground Level)	SW 50m Buffer	Receptor Category (Mapped river = EPA / WFD mapped)	River basins	Subcatchments	Aquifer Vulnerability	Potential Depth to Bedrock (acc. To GSI categories)	GW Aquifer Type	Excavation in or near Bedrock (In line with GSI mapped Aquifer Vulnerability)	Karst 25m buffer	Distance to Karst Feature	GW Abstraction 250m Buffer	Groundwater Source Protection Area NFGWS	SAC 50m Buffer	SPA 50m Buffer	Within SAC / SPA / NHA ?	Map Tile Number	Comments & MITIGATION MEASURES
					ITM	ITM		mbGL	50m										250m						
1822	Turbine Delivery Route Option 3A	Limerick	90675	TDR 25m intervals	557956.11	654620.44	NA	NA	Yes	BALLYNACLOGH_010	BALLYNACLOGH_010	Ballynaclogh_SC_010	Low (L)	>10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	4175.27	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
1823	Turbine Delivery Route Option 3A	Limerick	90625	TDR 25m intervals	557980.70	654615.89	NA	NA	Yes	BALLYNACLOGH_010	BALLYNACLOGH_010	Ballynaclogh_SC_010	Low (L)	>10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	4192.87	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
1824	Turbine Delivery Route Option 3A	Limerick	90575	TDR 25m intervals	558005.27	654611.28	NA	NA	Yes	BALLYNACLOGH_010	BALLYNACLOGH_010	Ballynaclogh_SC_010	Low (L)	>10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	4210.52	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
1825	Turbine Delivery Route Option 3A	Limerick	90500	TDR 25m intervals	558029.83	654606.60	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Low (L)	>10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	4228.19	No	No	No	No	No		NA
1826	Turbine Delivery Route Option 3A	Limerick	90425	TDR 25m intervals	558054.38	654601.92	NA	NA	Yes	BALLYNACLOGH_010	BALLYNACLOGH_010	Ballynaclogh_SC_010	Low (L)	>10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	4245.93	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
1827	Turbine Delivery Route Option 3A	Limerick	90350	TDR 25m intervals	558079.22	654599.14	NA	NA	Yes	BALLYNACLOGH_010	BALLYNACLOGH_010	Ballynaclogh_SC_010	Low (L)	>10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	4265.04	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
1828	Turbine Delivery Route Option 3A	Limerick	90275	TDR 25m intervals	558104.09	654596.56	NA	NA	Yes	BALLYNACLOGH_010	BALLYNACLOGH_010	Ballynaclogh_SC_010	Low (L)	>10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	4284.33	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
1829	Turbine Delivery Route Option 3A	Limerick	90200	TDR 25m intervals	558128.95	654593.97	NA	NA	Yes	BALLYNACLOGH_010	BALLYNACLOGH_010	Ballynaclogh_SC_010	Low (L)	>10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	4303.68	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
1830	Turbine Delivery Route Option 3A	Limerick	90125	TDR 25m intervals	558153.80	654591.23	NA	NA	Yes	BALLYNACLOGH_010	BALLYNACLOGH_010	Ballynaclogh_SC_010	Low (L)	>10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	4322.99	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
1831	Turbine Delivery Route Option 3A	Limerick		TDR_WCC_126	558162.75	654591.25	WCC	NA	Yes	BALLYNACLOGH_010	BALLYNACLOGH_010	Ballynaclogh_SC_010	Low (L)	>10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	4322.99	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
1832	Turbine Delivery Route Option 3A	Limerick	90000	TDR 25m intervals	558178.60	654588.04	NA	NA	Yes	BALLYNACLOGH_010	BALLYNACLOGH_010	Ballynaclogh_SC_010	Low (L)	>10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	4342.07	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
1833	Turbine Delivery Route Option 3A	Limerick	89900	TDR 25m intervals	558203.39	654584.86	NA	NA	Yes	BALLYNACLOGH_010	BALLYNACLOGH_010	Ballynaclogh_SC_010	Low (L)	>10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	4361.22	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
1834	Turbine Delivery Route Option 3A	Limerick	89775	TDR 25m intervals	558228.19	654581.67	NA	NA	Yes	BALLYNACLOGH_010	BALLYNACLOGH_010	Ballynaclogh_SC_010	Low (L)	>10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	4380.42	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
1835	Turbine Delivery Route Option 3A	Limerick	89650	TDR 25m intervals	558253.01	654578.72	NA	NA	Yes	BALLYNACLOGH_010	BALLYNACLOGH_010	Ballynaclogh_SC_010	Low (L)	>10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	4399.82	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
1836	Turbine Delivery Route Option 3A	Limerick		TDR_WCC_127	558262.74	654577.97	WCC	NA	Yes	BALLYNACLOGH_010	BALLYNACLOGH_010	Ballynaclogh_SC_010	Low (L)	>10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	4399.82	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
1837	Turbine Delivery Route Option 3A	Limerick	89500	TDR 25m intervals	558277.89	654576.22	NA	NA	Yes	BALLYNACLOGH_010	BALLYNACLOGH_010	Ballynaclogh_SC_010	Low (L)	>10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	4419.57	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
1838	Turbine Delivery Route Option 3A	Limerick	89275	TDR 25m intervals	558302.76	654573.72	NA	NA	Yes	BALLYNACLOGH_010	BALLYNACLOGH_010	Ballynaclogh_SC_010	Low (L)	>10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	4439.38	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
1839	Turbine Delivery Route Option 3A	Limerick	89000	TDR 25m intervals	558327.64	654571.23	NA	NA	Yes	BALLYNACLOGH_010	BALLYNACLOGH_010	Ballynaclogh_SC_010	Low (L)	>10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	4459.23	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
1840	Turbine Delivery Route Option 3A	Limerick	88725	TDR 25m intervals	558352.51	654568.73	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	4479.14	No	No	No	No	No		NA
1841	Turbine Delivery Route Option 3A	Limerick	88300	TDR 25m intervals	558377.35	654565.93	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	4498.91	No	No	No	No	No		NA
1842	Turbine Delivery Route Option 3A	Limerick	88150	TDR 25m intervals	558402.19	654563.11	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	4518.72	No	No	No	No	No		NA
1843	Turbine Delivery Route Option 3A	Limerick	88100	TDR 25m intervals	558427.04	654560.29	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	4538.58	No	No	No	No	No		NA
1844	Turbine Delivery Route Option 3A	Limerick	88050	TDR 25m intervals	558451.88	654557.47	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	4558.50	No	No	No	No	No		NA
1845	Turbine Delivery Route Option 3A	Limerick	80850	TDR 25m intervals	558476.72	654554.65	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	4578.46	No	No	No	No	No		NA
1846	Turbine Delivery Route Option 3A	Limerick	80825	TDR 25m intervals	558501.57	654551.91	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	4598.52	No	No	No	No	No		NA
1847	Turbine Delivery Route Option 3A	Limerick	80800	TDR 25m intervals	558526.43	654549.35	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	4618.74	No	No	No	No	No		NA
1848	Turbine Delivery Route Option 3A	Limerick	87950	TDR 25m intervals	558551.30	654546.80	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	4639.01	No	No	No	No	No		NA
1849	Turbine Delivery Route Option 3A	Limerick	80750	TDR 25m intervals	558576.22	654544.85	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	4659.66	No	No	No	No	No		NA
1850	Turbine Delivery Route Option 3A	Limerick	80725	TDR 25m intervals	558601.17	654543.28	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	4680.58	No	No	No	No	No		NA
1851	Turbine Delivery Route Option 3A	Limerick	80700	TDR 25m intervals	558626.12	654541.71	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	4701.53	No	No	No	No	No		NA
1852	Turbine Delivery Route Option 3A	Limerick	80675	TDR 25m intervals	558650.99	654539.12	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	4721.94	No	No	No	No	No		NA
1853	Turbine Delivery Route Option 3A	Limerick	80650	TDR 25m intervals	558675.83	654536.32	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	4742.29	No	No	No	No	No		NA
1854	Turbine Delivery Route Option 3A	Limerick	80625	TDR 25m intervals	558700.67	654533.52	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	4762.67	No	No	No	No	No		NA
1855	Turbine Delivery Route Option 3A	Limerick	80600	TDR 25m intervals	558725.51	654530.70	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	4783.09	No	No	No	No	No		NA
1856	Turbine Delivery Route Option 3A	Limerick	80575	TDR 25m intervals	558750.35	654527.85	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	4803.53	No	No	No	No	No		NA
1857	Turbine Delivery Route Option 3A	Limerick	80550	TDR 25m intervals	558775.18	654524.99	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	4824.02	No	No	No	No	No		NA
1858	Turbine Delivery Route Option 3A	Limerick	80525	TDR 25m intervals	558800.03	654522.26	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	4844.61	No	No	No	No	No		NA
1859	Turbine Delivery Route Option 3A	Limerick	80500	TDR 25m intervals	558824.90	654519.72	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	4865.36	No	No	No	No	No		NA
1860	Turbine Delivery Route Option 3A	Limerick	80475	TDR 25m intervals	558849.77	654517.17	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	4886.14	No	No	No	No	No		NA
1861	Turbine Delivery Route Option 3A	Limerick	80450	TDR 25m intervals	558874.51	654513.58	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	4906.36	No	No	No	No	No		NA
1862	Turbine Delivery Route Option 3A	Limerick	38175	TDR 25m intervals	558899.25	654509.93	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	4926.59	No	No	No	No	No		NA
1863	Turbine Delivery Route Option 3A	Limerick	80375	TDR 25m intervals	558923.96	654506.15	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	4946.79	No	No	No	No	No		NA
1864	Turbine Delivery Route Option 3A	Limerick	80350	TDR 25m intervals	558948.51	654501.47	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	4966.48	No	No	No	No	No		NA
1865	Turbine Delivery Route Option 3A	Limerick	80325	TDR 25m intervals	558973.07	654496.79	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	4986.23	No	No	No	No	No		NA
1866	Turbine Delivery Route Option 3A	Limerick	80300	TDR 25m intervals	558997.62	654492.07	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5005.99	No	No	No	No	No		NA
1867	Turbine Delivery Route Option 3A	Limerick	80275	TDR 25m intervals	559022.08	654486.88	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5025.50	No	No	No	No	No		NA
1868	Turbine Delivery Route Option 3A	Limerick	80250	TDR 25m intervals	559046.53	654481.68	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5045.06	No	No	No	No	No		NA

Appendix 10.3 - Baseline Database -Turbine Delivery Route, Option 3A
Oatfield WF, Co. Clare

Project Ref. 604569
Prepared by: Cca / DW
Date: 17/11/2023
File Ref: 604569-Geo-R03-App10.3-(00)-Baseline Database -Turbine Delivery Route

	TDR		Assessment Location		Grid Coordinates (ITM)		Construction Details		Surface Water				Groundwater / Bedrock Aquifer						Groundwater / Wells / Abstraction		Designated Areas			Assessment Graphics / Comment	
Row No.	Turbine Delivery Route (TDR)	County	Location ID	Assessment Location Category	Easting	Northing	Type of Water Crossing / Construction Activity	Approximate Construction Depth (Excavation / Drilling) Depth Relative to Ground Level)	SW 50m Buffer	Receptor Category (Mapped river = EPA / WFD mapped)	River basins	Subcatchments	Aquifer Vulnerability	Potential Depth to Bedrock (acc. To GSI categories)	GW Aquifer Type	Excavation in or near Bedrock (In line with GSI mapped Aquifer Vulnerability)	Karst 25m buffer	Distance to Karst Feature	GW Abstraction 250m Buffer	Groundwater Source Protection Area NFGWS	SAC 50m Buffer	SPA 50m Buffer	Within SAC / SPA / NHA ?	Map Tile Number	Comments & MITIGATION MEASURES
					ITM	ITM		mbGL	50m										250m						
1869	Turbine Delivery Route Option 3A	Limerick	80225	TDR 25m intervals	559070.92	654476.18	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5064.47	No	No	No	No	No		NA
1870	Turbine Delivery Route Option 3A	Limerick	80200	TDR 25m intervals	559095.30	654470.64	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5083.90	No	No	No	No	No		NA
1871	Turbine Delivery Route Option 3A	Limerick	80175	TDR 25m intervals	559119.67	654465.09	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5103.38	No	No	No	No	No		NA
1872	Turbine Delivery Route Option 3A	Limerick	80150	TDR 25m intervals	559144.05	654459.55	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5122.91	No	No	No	No	No		NA
1873	Turbine Delivery Route Option 3A	Limerick	80125	TDR 25m intervals	559168.24	654453.24	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5141.99	No	No	No	No	No		NA
1874	Turbine Delivery Route Option 3A	Limerick	80100	TDR 25m intervals	559192.37	654446.70	NA	NA	Yes	BALLYNACLOGH_010	BALLYNACLOGH_010	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5160.96	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
1875	Turbine Delivery Route Option 3A	Limerick	80075	TDR 25m intervals	559216.50	654440.16	NA	NA	Yes	BALLYNACLOGH_010	BALLYNACLOGH_010	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5179.99	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
1876	Turbine Delivery Route Option 3A	Limerick	80050	TDR 25m intervals	559240.62	654433.60	NA	NA	Yes	BALLYNACLOGH_010	BALLYNACLOGH_010	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5199.05	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
1877	Turbine Delivery Route Option 3A	Limerick	80025	TDR 25m intervals	559264.74	654427.03	NA	NA	Yes	BALLYNACLOGH_010	BALLYNACLOGH_010	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5218.15	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
1878	Turbine Delivery Route Option 3A	Limerick	80000	TDR 25m intervals	559288.86	654420.46	NA	NA	Yes	BALLYNACLOGH_010	BALLYNACLOGH_010	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5237.31	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
1879	Turbine Delivery Route Option 3A	Limerick	79975	TDR 25m intervals	559312.98	654413.88	NA	NA	Yes	BALLYNACLOGH_010	BALLYNACLOGH_010	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5256.51	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
1880	Turbine Delivery Route Option 3A	Limerick	79950	TDR 25m intervals	559336.95	654406.79	NA	NA	Yes	BALLYNACLOGH_010	BALLYNACLOGH_010	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5275.41	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
1881	Turbine Delivery Route Option 3A	Limerick	79925	TDR 25m intervals	559360.92	654399.66	NA	NA	Yes	BALLYNACLOGH_010	BALLYNACLOGH_010	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5294.34	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
1882	Turbine Delivery Route Option 3A	Limerick	79900	TDR 25m intervals	559384.88	654392.54	NA	NA	Yes	BALLYNACLOGH_010	BALLYNACLOGH_010	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5313.33	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
1883	Turbine Delivery Route Option 3A	Limerick	79875	TDR 25m intervals	559408.85	654385.43	NA	NA	Yes	BALLYNACLOGH_010	BALLYNACLOGH_010	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5332.37	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
1884	Turbine Delivery Route Option 3A	Limerick	79850	TDR 25m intervals	559432.82	654378.33	NA	NA	Yes	BALLYNACLOGH_010	BALLYNACLOGH_010	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5351.47	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
1885	Turbine Delivery Route Option 3A	Limerick	79825	TDR 25m intervals	559456.79	654371.23	NA	NA	Yes	BALLYNACLOGH_010	BALLYNACLOGH_010	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5370.61	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
1886	Turbine Delivery Route Option 3A	Limerick	79800	TDR 25m intervals	559480.76	654364.12	NA	NA	Yes	BALLYNACLOGH_010	BALLYNACLOGH_010	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5389.80	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
1887	Turbine Delivery Route Option 3A	Limerick	79775	TDR 25m intervals	559504.73	654357.02	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5409.04	No	No	No	No	No		NA
1888	Turbine Delivery Route Option 3A	Limerick	79750	TDR 25m intervals	559528.70	654349.92	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5428.33	No	No	No	No	No		NA
1889	Turbine Delivery Route Option 3A	Limerick	79725	TDR 25m intervals	559552.80	654343.29	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5447.97	No	No	No	No	No		NA
1890	Turbine Delivery Route Option 3A	Limerick	79700	TDR 25m intervals	559576.95	654336.80	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5467.74	No	No	No	No	No		NA
1891	Turbine Delivery Route Option 3A	Limerick	79675	TDR 25m intervals	559601.11	654330.41	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5487.61	No	No	No	No	No		NA
1892	Turbine Delivery Route Option 3A	Limerick	79650	TDR 25m intervals	559625.50	654324.93	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5508.09	No	No	No	No	No		NA
1893	Turbine Delivery Route Option 3A	Limerick	79625	TDR 25m intervals	559650.15	654320.82	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5529.35	No	No	No	No	No		NA
1894	Turbine Delivery Route Option 3A	Limerick	79600	TDR 25m intervals	559674.89	654317.19	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5550.90	No	No	No	No	No		NA
1895	Turbine Delivery Route Option 3A	Limerick	79575	TDR 25m intervals	559699.49	654312.79	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5572.08	No	No	No	No	No		NA
1896	Turbine Delivery Route Option 3A	Limerick	79550	TDR 25m intervals	559724.18	654309.18	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5593.66	No	No	No	No	No		NA
1897	Turbine Delivery Route Option 3A	Limerick	79525	TDR 25m intervals	559749.13	654307.69	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5616.29	No	No	No	No	No		NA
1898	Turbine Delivery Route Option 3A	Limerick	79500	TDR 25m intervals	559774.09	654306.20	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5638.95	No	No	No	No	No		NA
1899	Turbine Delivery Route Option 3A	Limerick	79475	TDR 25m intervals	559799.04	654304.71	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5661.62	No	No	No	No	No		NA
1900	Turbine Delivery Route Option 3A	Limerick	79450	TDR 25m intervals	559824.03	654304.55	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5684.83	No	No	No	No	No		NA
1901	Turbine Delivery Route Option 3A	Limerick	79425	TDR 25m intervals	559849.02	654305.10	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5708.32	No	No	No	No	No		NA
1902	Turbine Delivery Route Option 3A	Limerick	79400	TDR 25m intervals	559873.99	654306.27	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5732.02	No	No	No	No	No		NA
1903	Turbine Delivery Route Option 3A	Limerick	79375	TDR 25m intervals	559898.93	654307.89	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5755.87	No	No	No	No	No		NA
1904	Turbine Delivery Route Option 3A	Limerick	79350	TDR 25m intervals	559923.78	654310.60	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5780.04	No	No	No	No	No		NA
1905	Turbine Delivery Route Option 3A	Limerick	79325	TDR 25m intervals	559948.55	654313.95	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5804.37	No	No	No	No	No		NA
1906	Turbine Delivery Route Option 3A	Limerick	79300	TDR 25m intervals	559973.29	654317.57	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5828.76	No	No	No	No	No		NA
1907	Turbine Delivery Route Option 3A	Limerick	79275	TDR 25m intervals	559997.97	654321.54	NA	NA	No	NA	BALLYNACLOGH_010	Ballynaclogh_SC_010	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5853.24	No	No	No	No	No		NA
1908	Turbine Delivery Route Option 3A	Limerick	79250	TDR 25m intervals	560022.65	654325.54	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5877.73	No	No	No	No	No		NA
1909	Turbine Delivery Route Option 3A	Limerick	79225	TDR 25m intervals	560047.17	654330.35	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Rock near surface or karst (X)	<1m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5902.36	No	No	No	No	No		NA
1910	Turbine Delivery Route Option 3A	Limerick	79200	TDR 25m intervals	560071.58	654335.78	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Rock near surface or karst (X)	<1m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5927.11	No	No	No	No	No		NA
1911	Turbine Delivery Route Option 3A	Limerick	79175	TDR 25m intervals	560095.44	654343.10	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Rock near surface or karst (X)	<1m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5952.02	No	No	No	No	No		NA
1912	Turbine Delivery Route Option 3A	Limerick	79150	TDR 25m intervals	560119.02	654351.39	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5977.02	No	No	No	No	No		NA
1913	Turbine Delivery Route Option 3A	Limerick	79125	TDR 25m intervals	560142.77	654359.20	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6001.99	No	No	No	No	No		NA
1914	Turbine Delivery Route Option 3A	Limerick	79100	TDR 25m intervals	560166.62	654366.69	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6026.95	No	No	No	No	No		NA
1915	Turbine Delivery Route Option 3A	Limerick	79075	TDR 25m intervals	560190.10	654375.28	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6051.96	No	No	No	No	No		NA

Appendix 10.3 - Baseline Database -Turbine Delivery Route, Option 3A
Oatfield WF, Co. Clare

Project Ref. 604569
Prepared by: Cca / DW
Date: 17/11/2023
File Ref: 604569-Geo-R03-App10.3-(00)-Baseline Database -Turbine Delivery Route

	TDR		Assessment Location		Grid Coordinates (ITM)		Construction Details		Surface Water				Groundwater / Bedrock Aquifer						Groundwater / Wells / Abstraction		Designated Areas			Assessment Graphics / Comment	
Row No.	Turbine Delivery Route (TDR)	County	Location ID	Assessment Location Category	Easting	Northing	Type of Water Crossing / Construction Activity	Approximate Construction Depth (Excavation / Drilling) Depth Relative to Ground Level)	SW 50m Buffer	Receptor Category (Mapped river = EPA / WFD mapped)	River basins	Subcatchments	Aquifer Vulnerability	Potential Depth to Bedrock (acc. To GSI categories)	GW Aquifer Type	Excavation in or near Bedrock (In line with GSI mapped Aquifer Vulnerability)	Karst 25m buffer	Distance to Karst Feature	GW Abstraction 250m Buffer	Groundwater Source Protection Area NFGWS	SAC 50m Buffer	SPA 50m Buffer	Within SAC / SPA / NHA ?	Map Tile Number	Comments & MITIGATION MEASURES
					ITM	ITM		mbGL	50m										250m						
1916	Turbine Delivery Route Option 3A	Limerick	79050	TDR 25m intervals	560213.57	654383.87	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6076.96	No	No	No	No	No		NA
1917	Turbine Delivery Route Option 3A	Limerick	79025	TDR 25m intervals	560237.17	654392.14	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6101.96	No	No	No	No	No		NA
1918	Turbine Delivery Route Option 3A	Limerick	79000	TDR 25m intervals	560260.78	654400.36	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6126.95	No	No	No	No	No		NA
1919	Turbine Delivery Route Option 3A	Limerick	78975	TDR 25m intervals	560284.32	654408.75	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6151.95	No	No	No	No	No		NA
1920	Turbine Delivery Route Option 3A	Limerick	78950	TDR 25m intervals	560307.81	654417.32	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6176.95	No	No	No	No	No		NA
1921	Turbine Delivery Route Option 3A	Limerick	78925	TDR 25m intervals	560331.29	654425.90	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6201.96	No	No	No	No	No		NA
1922	Turbine Delivery Route Option 3A	Limerick	78900	TDR 25m intervals	560354.78	654434.47	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6226.96	No	No	No	No	No		NA
1923	Turbine Delivery Route Option 3A	Limerick	78875	TDR 25m intervals	560378.26	654443.04	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6251.96	No	No	No	No	No		NA
1924	Turbine Delivery Route Option 3A	Limerick	78850	TDR 25m intervals	560401.75	654451.61	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6276.96	No	No	No	No	No		NA
1925	Turbine Delivery Route Option 3A	Limerick	78825	TDR 25m intervals	560425.23	654460.18	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6301.97	No	No	No	No	No		NA
1926	Turbine Delivery Route Option 3A	Limerick	78800	TDR 25m intervals	560448.72	654468.76	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6326.97	No	No	No	No	No		NA
1927	Turbine Delivery Route Option 3A	Limerick	78775	TDR 25m intervals	560472.20	654477.33	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6351.97	No	No	No	No	No		NA
1928	Turbine Delivery Route Option 3A	Limerick	78750	TDR 25m intervals	560495.68	654485.90	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6376.97	No	No	No	No	No		NA
1929	Turbine Delivery Route Option 3A	Limerick	78725	TDR 25m intervals	560519.18	654494.45	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6401.97	No	No	No	No	No		NA
1930	Turbine Delivery Route Option 3A	Limerick	78700	TDR 25m intervals	560542.68	654502.96	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6426.98	No	No	No	No	No		NA
1931	Turbine Delivery Route Option 3A	Limerick	78675	TDR 25m intervals	560566.19	654511.48	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6451.98	No	No	No	No	No		NA
1932	Turbine Delivery Route Option 3A	Limerick	39925	TDR 25m intervals	560589.69	654520.00	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6476.98	No	No	No	No	No		NA
1933	Turbine Delivery Route Option 3A	Limerick	78600	TDR 25m intervals	560613.19	654528.52	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6501.98	No	No	No	No	No		NA
1934	Turbine Delivery Route Option 3A	Limerick	78575	TDR 25m intervals	560636.70	654537.04	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6526.98	No	No	No	No	No		NA
1935	Turbine Delivery Route Option 3A	Limerick	78550	TDR 25m intervals	560660.20	654545.56	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6551.99	No	No	No	No	No		NA
1936	Turbine Delivery Route Option 3A	Limerick	78525	TDR 25m intervals	560683.70	654554.08	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6576.99	No	No	No	No	No		NA
1937	Turbine Delivery Route Option 3A	Limerick	78500	TDR 25m intervals	560707.21	654562.60	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6601.99	No	No	No	No	No		NA
1938	Turbine Delivery Route Option 3A	Limerick	78475	TDR 25m intervals	560730.71	654571.12	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6626.99	No	No	No	No	No		NA
1939	Turbine Delivery Route Option 3A	Limerick	40100	TDR 25m intervals	560754.22	654579.63	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6651.99	No	No	No	No	No		NA
1940	Turbine Delivery Route Option 3A	Limerick	78400	TDR 25m intervals	560777.73	654588.14	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6677.00	No	No	No	No	No		NA
1941	Turbine Delivery Route Option 3A	Limerick	78375	TDR 25m intervals	560801.23	654596.65	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6702.00	No	No	No	No	No		NA
1942	Turbine Delivery Route Option 3A	Limerick	78350	TDR 25m intervals	560824.74	654605.17	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6727.00	No	No	No	No	No		NA
1943	Turbine Delivery Route Option 3A	Limerick	78325	TDR 25m intervals	560848.24	654613.68	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6752.00	No	No	No	No	No		NA
1944	Turbine Delivery Route Option 3A	Limerick	78300	TDR 25m intervals	560871.75	654622.19	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6777.00	No	No	No	No	No		NA
1945	Turbine Delivery Route Option 3A	Limerick	78275	TDR 25m intervals	560895.31	654630.55	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6802.00	No	No	No	No	No		NA
1946	Turbine Delivery Route Option 3A	Limerick	78250	TDR 25m intervals	560918.93	654638.75	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6827.00	No	No	No	No	No		NA
1947	Turbine Delivery Route Option 3A	Limerick	78200	TDR 25m intervals	560942.54	654646.95	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6851.99	No	No	No	No	No		NA
1948	Turbine Delivery Route Option 3A	Limerick	78175	TDR 25m intervals	560966.16	654655.15	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6876.99	No	No	No	No	No		NA
1949	Turbine Delivery Route Option 3A	Limerick	78150	TDR 25m intervals	560989.78	654663.35	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6901.99	No	No	No	No	No		NA
1950	Turbine Delivery Route Option 3A	Limerick	78100	TDR 25m intervals	561013.40	654671.55	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6926.98	No	No	No	No	No		NA
1951	Turbine Delivery Route Option 3A	Limerick	78075	TDR 25m intervals	561037.01	654679.75	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6951.98	No	No	No	No	No		NA
1952	Turbine Delivery Route Option 3A	Limerick	78050	TDR 25m intervals	561060.56	654688.13	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6976.98	No	No	No	No	No		NA
1953	Turbine Delivery Route Option 3A	Limerick	78025	TDR 25m intervals	561084.08	654696.63	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	7001.98	No	No	No	No	No		NA
1954	Turbine Delivery Route Option 3A	Limerick	77975	TDR 25m intervals	561107.59	654705.12	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	7026.98	No	No	No	No	No		NA
1955	Turbine Delivery Route Option 3A	Limerick	77950	TDR 25m intervals	561131.10	654713.61	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	7051.98	No	No	No	No	No		NA
1956	Turbine Delivery Route Option 3A	Limerick	77925	TDR 25m intervals	561154.62	654722.10	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	7076.99	No	No	No	No	No		NA
1957	Turbine Delivery Route Option 3A	Limerick	77875	TDR 25m intervals	561177.97	654731.03	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	7101.99	No	No	No	No	No		NA
1958	Turbine Delivery Route Option 3A	Limerick	77850	TDR 25m intervals	561201.31	654739.97	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	7126.99	No	No	No	No	No		NA
1959	Turbine Delivery Route Option 3A	Limerick	77825	TDR 25m intervals	561224.66	654748.92	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	7152.00	No	No	No	No	No		NA
1960	Turbine Delivery Route Option 3A	Limerick	77775	TDR 25m intervals	561247.92	654758.07	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	7177.00	No	No	No	No	No		NA
1961	Turbine Delivery Route Option 3A	Limerick	77750	TDR 25m intervals	561271.10	654767.43	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	7201.99	No	No	No	No	No		NA
1962	Turbine Delivery Route Option 3A	Limerick	77725	TDR 25m intervals	561294.29	654776.79	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	7226.99	No	No	No	No	No		NA

Appendix 10.3 - Baseline Database -Turbine Delivery Route, Option 3A
Oatfield WF, Co. Clare

Project Ref. 604569
Prepared by: Cca / DW
Date: 17/11/2023
File Ref: 604569-Geo-R03-App10.3-(00)-Baseline Database -Turbine Delivery Route

	TDR		Assessment Location		Grid Coordinates (ITM)		Construction Details		Surface Water				Groundwater / Bedrock Aquifer						Groundwater / Wells / Abstraction		Designated Areas			Assessment Graphics / Comment	
Row No.	Turbine Delivery Route (TDR)	County	Location ID	Assessment Location Category	Easting	Northing	Type of Water Crossing / Construction Activity	Approximate Construction Depth (Excavation / Drilling) Depth Relative to Ground Level)	SW 50m Buffer	Receptor Category (Mapped river = EPA / WFD mapped)	River basins	Subcatchments	Aquifer Vulnerability	Potential Depth to Bedrock (acc. To GSI categories)	GW Aquifer Type	Excavation in or near Bedrock (In line with GSI mapped Aquifer Vulnerability)	Karst 25m buffer	Distance to Karst Feature	GW Abstraction 250m Buffer	Groundwater Source Protection Area NFGWS	SAC 50m Buffer	SPA 50m Buffer	Within SAC / SPA / NHA ?	Map Tile Number	Comments & MITIGATION MEASURES
					ITM	ITM		mbGL	50m										250m						
1963	Turbine Delivery Route Option 3A	Limerick	77700	TDR 25m intervals	561317.47	654786.15	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	7251.99	No	No	No	No	No		NA
1964	Turbine Delivery Route Option 3A	Limerick	77650	TDR 25m intervals	561340.65	654795.51	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	7276.98	No	No	No	No	No		NA
1965	Turbine Delivery Route Option 3A	Limerick	77625	TDR 25m intervals	561363.69	654805.16	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	7277.60	No	No	No	No	No		NA
1966	Turbine Delivery Route Option 3A	Limerick	77600	TDR 25m intervals	561385.45	654817.47	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	7263.78	No	No	No	No	No		NA
1967	Turbine Delivery Route Option 3A	Limerick	77575	TDR 25m intervals	561407.21	654829.79	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	7250.02	No	No	No	No	No		NA
1968	Turbine Delivery Route Option 3A	Limerick	77525	TDR 25m intervals	561428.97	654842.09	NA	NA	No	NA	GROODY_010	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	7236.32	No	No	No	No	No		NA
1969	Turbine Delivery Route Option 3A	Limerick	77500	TDR 25m intervals	561450.73	654854.40	NA	NA	No	NA	GROODY_010	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	7222.68	No	No	No	No	No		NA
1970	Turbine Delivery Route Option 3A	Limerick	77475	TDR 25m intervals	561471.23	654868.62	NA	NA	No	NA	GROODY_010	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	7207.27	No	No	No	No	No		NA
1971	Turbine Delivery Route Option 3A	Limerick	77450	TDR 25m intervals	561492.00	654882.49	NA	NA	No	NA	GROODY_010	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	7192.25	No	No	No	No	No		NA
1972	Turbine Delivery Route Option 3A	Limerick	77425	TDR 25m intervals	561513.20	654895.74	NA	NA	No	NA	GROODY_010	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	7177.87	No	No	No	No	No		NA
1973	Turbine Delivery Route Option 3A	Limerick	77400	TDR 25m intervals	561533.13	654910.79	NA	NA	No	NA	GROODY_010	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	7161.82	No	No	No	No	No		NA
1974	Turbine Delivery Route Option 3A	Limerick	40975	TDR 25m intervals	561552.64	654926.42	NA	NA	No	NA	GROODY_010	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	7145.27	No	No	No	No	No		NA
1975	Turbine Delivery Route Option 3A	Limerick	41000	TDR 25m intervals	561571.48	654942.85	NA	NA	No	NA	GROODY_010	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	7127.98	No	No	No	No	No		NA
1976	Turbine Delivery Route Option 3A	Limerick	41025	TDR 25m intervals	561589.52	654960.14	NA	NA	No	NA	GROODY_010	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	7109.93	No	No	No	No	No		NA
1977	Turbine Delivery Route Option 3A	Limerick	41050	TDR 25m intervals	561607.25	654977.77	NA	NA	No	NA	GROODY_010	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	7091.59	No	No	No	No	No		NA
1978	Turbine Delivery Route Option 3A	Limerick	41075	TDR 25m intervals	561624.97	654995.40	NA	NA	No	NA	GROODY_010	Shannon[Lower]_SC_090	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	7073.28	No	No	No	No	No		NA
1979	Turbine Delivery Route Option 3A	Limerick	41100	TDR 25m intervals	561642.70	655013.03	NA	NA	No	NA	GROODY_010	Shannon[Lower]_SC_090	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	7055.02	No	No	No	No	No		NA
1980	Turbine Delivery Route Option 3A	Limerick	41125	TDR 25m intervals	561660.42	655030.66	NA	NA	No	NA	GROODY_010	Shannon[Lower]_SC_090	Rock near surface or karst (X)	<1m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	7036.80	No	No	No	No	No		NA
1981	Turbine Delivery Route Option 3A	Limerick	41150	TDR 25m intervals	561678.15	655048.29	NA	NA	No	NA	GROODY_010	Shannon[Lower]_SC_090	Rock near surface or karst (X)	<1m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	7018.62	No	No	No	No	No		NA
1982	Turbine Delivery Route Option 3A	Limerick	77175	TDR 25m intervals	561695.87	655065.92	NA	NA	Yes	GROODY_010	GROODY_010	Shannon[Lower]_SC_090	Rock near surface or karst (X)	<1m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	7000.49	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
1983	Turbine Delivery Route Option 3A	Limerick	77150	TDR 25m intervals	561712.25	655084.74	NA	NA	Yes	GROODY_010	GROODY_010	Shannon[Lower]_SC_090	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6981.24	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
1984	Turbine Delivery Route Option 3A	Limerick		TDR_WCC_128	561725.70	655102.14	WCC	NA	Yes	GROODY_010	GROODY_010	Shannon[Lower]_SC_090	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6981.24	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
1985	Turbine Delivery Route Option 3A	Limerick	77125	TDR 25m intervals	561727.53	655104.52	NA	NA	Yes	GROODY_010	GROODY_010	Shannon[Lower]_SC_090	Rock near surface or karst (X)	<1m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6961.09	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
1986	Turbine Delivery Route Option 3A	Limerick	77100	TDR 25m intervals	561742.81	655124.31	NA	NA	Yes	GROODY_010	GROODY_010	Shannon[Lower]_SC_090	Rock near surface or karst (X)	<1m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6940.96	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
1987	Turbine Delivery Route Option 3A	Limerick	77075	TDR 25m intervals	561758.08	655144.10	NA	NA	Yes	GROODY_010	GROODY_010	Shannon[Lower]_SC_090	Extreme (E)	1 to 3m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6920.87	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
1988	Turbine Delivery Route Option 3A	Limerick	77050	TDR 25m intervals	561773.58	655163.72	NA	NA	No	NA	GROODY_010	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6900.97	No	No	No	No	No		NA
1989	Turbine Delivery Route Option 3A	Limerick	77025	TDR 25m intervals	561789.12	655183.30	NA	NA	No	NA	GROODY_010	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6881.15	No	No	No	No	No		NA
1990	Turbine Delivery Route Option 3A	Limerick	41350	TDR 25m intervals	561804.66	655202.88	NA	NA	No	NA	GROODY_010	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6861.36	No	No	No	No	No		NA
1991	Turbine Delivery Route Option 3A	Limerick	77000	TDR 25m intervals	561820.21	655222.46	NA	NA	No	NA	GROODY_010	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6841.60	No	No	No	No	No		NA
1992	Turbine Delivery Route Option 3A	Limerick	76975	TDR 25m intervals	561835.75	655242.04	NA	NA	No	NA	GROODY_010	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6821.88	No	No	No	No	No		NA
1993	Turbine Delivery Route Option 3A	Limerick	76950	TDR 25m intervals	561851.74	655261.26	NA	NA	No	NA	GROODY_010	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6802.56	No	No	No	No	No		NA
1994	Turbine Delivery Route Option 3A	Limerick	76925	TDR 25m intervals	561867.81	655280.41	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6783.33	No	No	No	No	No		NA
1995	Turbine Delivery Route Option 3A	Limerick	76900	TDR 25m intervals	561884.75	655298.80	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6764.91	No	No	No	No	No		NA
1996	Turbine Delivery Route Option 3A	Limerick	76875	TDR 25m intervals	561901.69	655317.18	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6746.54	No	No	No	No	No		NA
1997	Turbine Delivery Route Option 3A	Limerick	76850	TDR 25m intervals	561918.03	655336.09	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6727.68	No	No	No	No	No		NA
1998	Turbine Delivery Route Option 3A	Limerick	76825	TDR 25m intervals	561934.10	655355.22	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6708.63	No	No	No	No	No		NA
1999	Turbine Delivery Route Option 3A	Limerick	76800	TDR 25m intervals	561951.08	655373.58	NA	NA	No	NA	GROODY_010	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6690.41	No	No	No	No	No		NA
2000	Turbine Delivery Route Option 3A	Limerick	76775	TDR 25m intervals	561968.09	655391.90	NA	NA	No	NA	GROODY_010	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6672.27	No	No	No	No	No		NA
2001	Turbine Delivery Route Option 3A	Limerick	41625	TDR 25m intervals	561984.97	655410.34	NA	NA	No	NA	GROODY_010	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6654.05	No	No	No	No	No		NA
2002	Turbine Delivery Route Option 3A	Limerick	41650	TDR 25m intervals	562001.70	655428.92	NA	NA	No	NA	GROODY_010	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6635.73	No	No	No	No	No		NA
2003	Turbine Delivery Route Option 3A	Limerick	76725	TDR 25m intervals	562018.54	655447.40	NA	NA	No	NA	GROODY_010	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6617.56	No	No	No	No	No		NA
2004	Turbine Delivery Route Option 3A	Limerick	76700	TDR 25m intervals	562035.67	655465.59	NA	NA	No	NA	GROODY_010	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6599.73	No	No	No	No	No		NA
2005	Turbine Delivery Route Option 3A	Limerick	76675	TDR 25m intervals	562053.19	655483.43	NA	NA	No	NA	GROODY_010	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6582.31	No	No	No	No	No		NA
2006	Turbine Delivery Route Option 3A	Limerick	76650	TDR 25m intervals	562070.44	655501.52	NA	NA	No	NA	GROODY_010	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6564.67	No	No	No	No	No		NA
2007	Turbine Delivery Route Option 3A	Limerick	76625	TDR 25m intervals	562087.38	655519.91	NA	NA	No	NA	GROODY_010	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6546.78	No	No	No	No	No		NA
2008	Turbine Delivery Route Option 3A	Limerick	76600	TDR 25m intervals	562104.24	655538.36	NA	NA	No	NA	GROODY_010	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6528.87	No	No	No	No	No		NA
2009	Turbine Delivery Route Option 3A	Limerick	76575	TDR 25m intervals	562121.41	655556.52	NA	NA	No	NA	GROODY_010	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6511.31	No	No	No	No	No		NA

Appendix 10.3 - Baseline Database -Turbine Delivery Route, Option 3A
Oatfield WF, Co. Clare

Project Ref. 604569
Prepared by: Cca / DW
Date: 17/11/2023
File Ref: 604569-Geo-R03-App10.3-(00)-Baseline Database -Turbine Delivery Route

	TDR		Assessment Location		Grid Coordinates (ITM)		Construction Details		Surface Water				Groundwater / Bedrock Aquifer						Groundwater / Wells / Abstraction		Designated Areas			Assessment Graphics / Comment	
Row No.	Turbine Delivery Route (TDR)	County	Location ID	Assessment Location Category	Easting	Northing	Type of Water Crossing / Construction Activity	Approximate Construction Depth (Excavation / Drilling) Depth Relative to Ground Level)	SW 50m Buffer	Receptor Category (Mapped river = EPA / WFD mapped)	River basins	Subcatchments	Aquifer Vulnerability	Potential Depth to Bedrock (acc. To GSI categories)	GW Aquifer Type	Excavation in or near Bedrock (In line with GSI mapped Aquifer Vulnerability)	Karst 25m buffer	Distance to Karst Feature	GW Abstraction 250m Buffer	Groundwater Source Protection Area NFGWS	SAC 50m Buffer	SPA 50m Buffer	Within SAC / SPA / NHA ?	Map Tile Number	Comments & MITIGATION MEASURES
					ITM	ITM		mbGL	50m										250m						
2010	Turbine Delivery Route Option 3A	Limerick	76550	TDR 25m intervals	562139.18	655574.11	NA	NA	No	NA	GROODY_010	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6494.39	No	No	No	No	No		NA
2011	Turbine Delivery Route Option 3A	Limerick	76525	TDR 25m intervals	562156.95	655591.70	NA	NA	No	NA	GROODY_010	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6477.52	No	No	No	No	No		NA
2012	Turbine Delivery Route Option 3A	Limerick	76500	TDR 25m intervals	562174.73	655609.27	NA	NA	No	NA	GROODY_010	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6460.72	No	No	No	No	No		NA
2013	Turbine Delivery Route Option 3A	Limerick	76475	TDR 25m intervals	562192.80	655626.55	NA	NA	No	NA	GROODY_010	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6444.29	No	No	No	No	No		NA
2014	Turbine Delivery Route Option 3A	Limerick	76450	TDR 25m intervals	562210.86	655643.83	NA	NA	No	NA	GROODY_010	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6427.90	No	No	No	No	No		NA
2015	Turbine Delivery Route Option 3A	Limerick	76425	TDR 25m intervals	562228.93	655661.11	NA	NA	No	NA	GROODY_010	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6411.57	No	No	No	No	No		NA
2016	Turbine Delivery Route Option 3A	Limerick	76400	TDR 25m intervals	562246.98	655678.40	NA	NA	No	NA	GROODY_010	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6395.29	No	No	No	No	No		NA
2017	Turbine Delivery Route Option 3A	Limerick	76375	TDR 25m intervals	562265.04	655695.69	NA	NA	No	NA	GROODY_010	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6379.07	No	No	No	No	No		NA
2018	Turbine Delivery Route Option 3A	Limerick	76350	TDR 25m intervals	562283.42	655712.63	NA	NA	No	NA	GROODY_010	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6363.27	No	No	No	No	No		NA
2019	Turbine Delivery Route Option 3A	Limerick	76325	TDR 25m intervals	562302.31	655729.01	NA	NA	No	NA	GROODY_010	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6348.12	No	No	No	No	No		NA
2020	Turbine Delivery Route Option 3A	Limerick	76300	TDR 25m intervals	562321.19	655745.39	NA	NA	No	NA	GROODY_010	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6333.04	No	No	No	No	No		NA
2021	Turbine Delivery Route Option 3A	Limerick	76275	TDR 25m intervals	562340.08	655761.77	NA	NA	No	NA	GROODY_010	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6318.01	No	No	No	No	No		NA
2022	Turbine Delivery Route Option 3A	Limerick	76250	TDR 25m intervals	562358.94	655778.17	NA	NA	No	NA	GROODY_010	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6303.03	No	No	No	No	No		NA
2023	Turbine Delivery Route Option 3A	Limerick	76225	TDR 25m intervals	562377.80	655794.59	NA	NA	No	NA	GROODY_010	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6288.09	No	No	No	No	No		NA
2024	Turbine Delivery Route Option 3A	Limerick	76200	TDR 25m intervals	562396.65	655811.01	NA	NA	No	NA	GROODY_010	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6273.22	No	No	No	No	No		NA
2025	Turbine Delivery Route Option 3A	Limerick	76175	TDR 25m intervals	562415.60	655827.32	NA	NA	No	NA	GROODY_010	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6258.53	No	No	No	No	No		NA
2026	Turbine Delivery Route Option 3A	Limerick	76150	TDR 25m intervals	562434.61	655843.55	NA	NA	No	NA	GROODY_010	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6243.98	No	No	No	No	No		NA
2027	Turbine Delivery Route Option 3A	Limerick	76125	TDR 25m intervals	562453.79	655859.59	NA	NA	No	NA	GROODY_010	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6229.71	No	No	No	No	No		NA
2028	Turbine Delivery Route Option 3A	Limerick	76100	TDR 25m intervals	562472.96	655875.64	NA	NA	No	NA	GROODY_010	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6215.51	No	No	No	No	No		NA
2029	Turbine Delivery Route Option 3A	Limerick	76075	TDR 25m intervals	562492.15	655891.66	NA	NA	No	NA	GROODY_010	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6201.39	No	No	No	No	No		NA
2030	Turbine Delivery Route Option 3A	Limerick	76050	TDR 25m intervals	562511.61	655907.35	NA	NA	No	NA	GROODY_010	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6187.70	No	No	No	No	No		NA
2031	Turbine Delivery Route Option 3A	Limerick	42375	TDR 25m intervals	562531.05	655923.07	NA	NA	No	NA	GROODY_010	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6174.05	No	No	No	No	No		NA
2032	Turbine Delivery Route Option 3A	Limerick	75975	TDR 25m intervals	562550.45	655938.84	NA	NA	No	NA	GROODY_010	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6160.42	No	No	No	No	No		NA
2033	Turbine Delivery Route Option 3A	Limerick	75950	TDR 25m intervals	562569.85	655954.61	NA	NA	No	NA	GROODY_010	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6146.86	No	No	No	No	No		NA
2034	Turbine Delivery Route Option 3A	Limerick	75925	TDR 25m intervals	562589.60	655969.93	NA	NA	No	NA	GROODY_010	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6133.86	No	No	No	No	No		NA
2035	Turbine Delivery Route Option 3A	Limerick	75875	TDR 25m intervals	562609.48	655985.09	NA	NA	No	NA	GROODY_010	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6121.10	No	No	No	No	No		NA
2036	Turbine Delivery Route Option 3A	Limerick	75850	TDR 25m intervals	562629.30	656000.33	NA	NA	No	NA	GROODY_010	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6108.34	No	No	No	No	No		NA
2037	Turbine Delivery Route Option 3A	Limerick	75825	TDR 25m intervals	562649.00	656015.72	NA	NA	No	NA	GROODY_010	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6095.48	No	No	No	No	No		NA
2038	Turbine Delivery Route Option 3A	Limerick	75800	TDR 25m intervals	562668.73	656031.07	NA	NA	No	NA	GROODY_010	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6082.75	No	No	No	No	No		NA
2039	Turbine Delivery Route Option 3A	Limerick	75750	TDR 25m intervals	562689.57	656044.87	NA	NA	No	NA	GROODY_010	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6071.78	No	No	No	No	No		NA
2040	Turbine Delivery Route Option 3A	Limerick	75700	TDR 25m intervals	562709.90	656059.42	NA	NA	No	NA	GROODY_010	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6060.07	No	No	No	No	No		NA
2041	Turbine Delivery Route Option 3A	Limerick	75675	TDR 25m intervals	562730.14	656074.10	NA	NA	No	NA	GROODY_010	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6048.31	No	No	No	No	No		NA
2042	Turbine Delivery Route Option 3A	Limerick	75625	TDR 25m intervals	562750.20	656089.02	NA	NA	No	NA	GROODY_010	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6036.37	No	No	No	No	No		NA
2043	Turbine Delivery Route Option 3A	Limerick	75600	TDR 25m intervals	562770.26	656103.94	NA	NA	No	NA	GROODY_010	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6024.50	No	No	No	No	No		NA
2044	Turbine Delivery Route Option 3A	Limerick	75550	TDR 25m intervals	562790.59	656118.49	NA	NA	No	NA	GROODY_010	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6013.12	No	No	No	No	No		NA
2045	Turbine Delivery Route Option 3A	Limerick	75500	TDR 25m intervals	562811.13	656132.73	NA	NA	No	NA	MULKEAR (LIMERICK)_050	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	6002.17	No	No	No	No	No		NA
2046	Turbine Delivery Route Option 3A	Limerick	75475	TDR 25m intervals	562831.68	656146.97	NA	NA	No	NA	MULKEAR (LIMERICK)_050	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5991.29	No	No	No	No	No		NA
2047	Turbine Delivery Route Option 3A	Limerick	75425	TDR 25m intervals	562852.23	656161.21	NA	NA	No	NA	MULKEAR (LIMERICK)_050	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5980.51	No	No	No	No	No		NA
2048	Turbine Delivery Route Option 3A	Limerick	75400	TDR 25m intervals	562872.78	656175.45	NA	NA	No	NA	MULKEAR (LIMERICK)_050	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5969.80	No	No	No	No	No		NA
2049	Turbine Delivery Route Option 3A	Limerick	75375	TDR 25m intervals	562893.32	656189.69	NA	NA	No	NA	MULKEAR (LIMERICK)_050	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5959.19	No	No	No	No	No		NA
2050	Turbine Delivery Route Option 3A	Limerick	75325	TDR 25m intervals	562914.56	656202.86	NA	NA	No	NA	MULKEAR (LIMERICK)_050	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5949.82	No	No	No	No	No		NA
2051	Turbine Delivery Route Option 3A	Limerick	75300	TDR 25m intervals	562935.88	656215.92	NA	NA	No	NA	MULKEAR (LIMERICK)_050	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5940.69	No	No	No	No	No		NA
2052	Turbine Delivery Route Option 3A	Limerick	75275	TDR 25m intervals	562956.84	656229.55	NA	NA	No	NA	MULKEAR (LIMERICK)_050	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5931.01	No	No	No	No	No		NA
2053	Turbine Delivery Route Option 3A	Limerick	75250	TDR 25m intervals	562977.80	656243.18	NA	NA	No	NA	MULKEAR (LIMERICK)_050	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5921.42	No	No	No	No	No		NA
2054	Turbine Delivery Route Option 3A	Limerick	75225	TDR 25m intervals	562998.76	656256.81	NA	NA	No	NA	MULKEAR (LIMERICK)_050	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5911.92	No	No	No	No	No		NA
2055	Turbine Delivery Route Option 3A	Limerick	75200	TDR 25m intervals	563019.47	656270.80	NA	NA	No	NA	MULKEAR (LIMERICK)_050	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5902.11	No	No	No	No	No		NA
2056	Turbine Delivery Route Option 3A	Limerick	75175	TDR 25m intervals	563040.13	656284.89	NA	NA	No	NA	MULKEAR (LIMERICK)_050	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5892.29	No	No	No	No	No		NA

Appendix 10.3 - Baseline Database -Turbine Delivery Route, Option 3A
Oatfield WF, Co. Clare

Project Ref. 604569
Prepared by: Cca / DW
Date: 17/11/2023
File Ref: 604569-Geo-R03-App10.3-(00)-Baseline Database -Turbine Delivery Route

	TDR		Assessment Location		Grid Coordinates (ITM)		Construction Details		Surface Water				Groundwater / Bedrock Aquifer						Groundwater / Wells / Abstraction		Designated Areas			Assessment Graphics / Comment	
Row No.	Turbine Delivery Route (TDR)	County	Location ID	Assessment Location Category	Easting	Northing	Type of Water Crossing / Construction Activity	Approximate Construction Depth (Excavation / Drilling) Depth Relative to Ground Level)	SW 50m Buffer	Receptor Category (Mapped river = EPA / WFD mapped)	River basins	Subcatchments	Aquifer Vulnerability	Potential Depth to Bedrock (acc. To GSI categories)	GW Aquifer Type	Excavation in or near Bedrock (In line with GSI mapped Aquifer Vulnerability)	Karst 25m buffer	Distance to Karst Feature	GW Abstraction 250m Buffer	Groundwater Source Protection Area NFGWS	SAC 50m Buffer	SPA 50m Buffer	Within SAC / SPA / NHA ?	Map Tile Number	Comments & MITIGATION MEASURES
					ITM	ITM		mbGL	50m										250m						
2057	Turbine Delivery Route Option 3A	Limerick	43025	TDR 25m intervals	563060.78	656298.97	NA	NA	No	NA	MULKEAR (LIMERICK)_050	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5882.55	No	No	No	No	No		NA
2058	Turbine Delivery Route Option 3A	Limerick	75150	TDR 25m intervals	563081.43	656313.06	NA	NA	No	NA	MULKEAR (LIMERICK)_050	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5872.91	No	No	No	No	No		NA
2059	Turbine Delivery Route Option 3A	Limerick	75125	TDR 25m intervals	563102.09	656327.15	NA	NA	No	NA	MULKEAR (LIMERICK)_050	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5863.35	No	No	No	No	No		NA
2060	Turbine Delivery Route Option 3A	Limerick	75100	TDR 25m intervals	563122.74	656341.23	NA	NA	No	NA	MULKEAR (LIMERICK)_050	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5853.89	No	No	No	No	No		NA
2061	Turbine Delivery Route Option 3A	Limerick	75075	TDR 25m intervals	563143.52	656355.13	NA	NA	No	NA	MULKEAR (LIMERICK)_050	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5844.74	No	No	No	No	No		NA
2062	Turbine Delivery Route Option 3A	Limerick	75050	TDR 25m intervals	563164.36	656368.94	NA	NA	No	NA	MULKEAR (LIMERICK)_050	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5835.76	No	No	No	No	No		NA
2063	Turbine Delivery Route Option 3A	Limerick	75025	TDR 25m intervals	563185.20	656382.75	NA	NA	No	NA	MULKEAR (LIMERICK)_050	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5826.88	No	No	No	No	No		NA
2064	Turbine Delivery Route Option 3A	Limerick	75000	TDR 25m intervals	563206.19	656396.33	NA	NA	No	NA	MULKEAR (LIMERICK)_050	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5818.37	No	No	No	No	No		NA
2065	Turbine Delivery Route Option 3A	Limerick	74975	TDR 25m intervals	563227.65	656409.15	NA	NA	No	NA	MULKEAR (LIMERICK)_050	Shannon[Lower]_SC_090	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5810.78	No	No	No	No	No		NA
2066	Turbine Delivery Route Option 3A	Limerick	74950	TDR 25m intervals	563249.12	656421.95	NA	NA	No	NA	MULKEAR (LIMERICK)_050	Shannon[Lower]_SC_090	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5803.33	No	No	No	No	No		NA
2067	Turbine Delivery Route Option 3A	Limerick	43275	TDR 25m intervals	563270.80	656434.40	NA	NA	No	NA	MULKEAR (LIMERICK)_050	Shannon[Lower]_SC_090	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5796.36	No	No	No	No	No		NA
2068	Turbine Delivery Route Option 3A	Limerick	43300	TDR 25m intervals	563292.48	656446.85	NA	NA	No	NA	MULKEAR (LIMERICK)_050	Shannon[Lower]_SC_090	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5789.48	No	No	No	No	No		NA
2069	Turbine Delivery Route Option 3A	Limerick	43325	TDR 25m intervals	563314.38	656458.89	NA	NA	No	NA	MULKEAR (LIMERICK)_050	Shannon[Lower]_SC_090	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5783.16	No	No	No	No	No		NA
2070	Turbine Delivery Route Option 3A	Limerick	74875	TDR 25m intervals	563336.69	656470.18	NA	NA	No	NA	MULKEAR (LIMERICK)_050	Shannon[Lower]_SC_090	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5777.77	No	No	No	No	No		NA
2071	Turbine Delivery Route Option 3A	Limerick	74850	TDR 25m intervals	563359.18	656481.09	NA	NA	No	NA	MULKEAR (LIMERICK)_050	Shannon[Lower]_SC_090	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5772.90	No	No	No	No	No		NA
2072	Turbine Delivery Route Option 3A	Limerick	74825	TDR 25m intervals	563381.79	656491.76	NA	NA	No	NA	MULKEAR (LIMERICK)_050	Shannon[Lower]_SC_090	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5768.39	No	No	No	No	No		NA
2073	Turbine Delivery Route Option 3A	Limerick	74800	TDR 25m intervals	563404.19	656502.85	NA	NA	No	NA	MULKEAR (LIMERICK)_050	Shannon[Lower]_SC_090	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5763.54	No	No	No	No	No		NA
2074	Turbine Delivery Route Option 3A	Limerick	74775	TDR 25m intervals	563426.73	656513.64	NA	NA	No	NA	MULKEAR (LIMERICK)_050	Shannon[Lower]_SC_090	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5759.10	No	No	No	No	No		NA
2075	Turbine Delivery Route Option 3A	Limerick	74750	TDR 25m intervals	563449.88	656523.05	NA	NA	No	NA	MULKEAR (LIMERICK)_050	Shannon[Lower]_SC_090	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5756.27	No	No	No	No	No		NA
2076	Turbine Delivery Route Option 3A	Limerick	74725	TDR 25m intervals	563473.40	656531.53	NA	NA	No	NA	MULKEAR (LIMERICK)_050	Shannon[Lower]_SC_090	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5754.54	No	No	No	No	No		NA
2077	Turbine Delivery Route Option 3A	Limerick	74700	TDR 25m intervals	563497.26	656539.00	NA	NA	No	NA	MULKEAR (LIMERICK)_050	Shannon[Lower]_SC_090	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5753.99	No	No	No	No	No		NA
2078	Turbine Delivery Route Option 3A	Limerick	74675	TDR 25m intervals	563520.65	656547.81	NA	NA	No	NA	MULKEAR (LIMERICK)_050	Shannon[Lower]_SC_090	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5752.12	No	No	No	No	No		NA
2079	Turbine Delivery Route Option 3A	Limerick	74650	TDR 25m intervals	563544.05	656556.62	NA	NA	No	NA	MULKEAR (LIMERICK)_050	Shannon[Lower]_SC_090	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5750.36	No	No	No	No	No		NA
2080	Turbine Delivery Route Option 3A	Limerick	74625	TDR 25m intervals	563567.97	656563.87	NA	NA	No	NA	MULKEAR (LIMERICK)_050	Shannon[Lower]_SC_090	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5750.37	No	No	No	No	No		NA
2081	Turbine Delivery Route Option 3A	Limerick	74600	TDR 25m intervals	563591.91	656571.07	NA	NA	No	NA	MULKEAR (LIMERICK)_050	Shannon[Lower]_SC_090	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5750.52	No	No	No	No	No		NA
2082	Turbine Delivery Route Option 3A	Limerick	74575	TDR 25m intervals	563615.94	656577.97	NA	NA	Yes	MULKEAR (LIMERICK)_0	MULKEAR (LIMERICK)_050	Shannon[Lower]_SC_090	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5751.10	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
2083	Turbine Delivery Route Option 3A	Limerick	74550	TDR 25m intervals	563640.04	656584.60	NA	NA	Yes	MULKEAR (LIMERICK)_0	MULKEAR (LIMERICK)_050	Shannon[Lower]_SC_090	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5752.08	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
2084	Turbine Delivery Route Option 3A	Limerick	74525	TDR 25m intervals	563664.15	656591.23	NA	NA	Yes	MULKEAR (LIMERICK)_0	MULKEAR (LIMERICK)_050	Shannon[Lower]_SC_090	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5753.16	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
2085	Turbine Delivery Route Option 3A	Limerick		TDR_WCC_129	563674.74	656593.41	WCC	NA	Yes	MULKEAR (LIMERICK)_0	MULKEAR (LIMERICK)_050	Shannon[Lower]_SC_090	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5753.16	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
2086	Turbine Delivery Route Option 3A	Limerick	74500	TDR 25m intervals	563688.47	656596.86	NA	NA	Yes	MULKEAR (LIMERICK)_0	MULKEAR (LIMERICK)_050	Shannon[Lower]_SC_090	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5755.37	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
2087	Turbine Delivery Route Option 3A	Limerick	74475	TDR 25m intervals	563713.14	656600.90	NA	NA	Yes	MULKEAR (LIMERICK)_0	MULKEAR (LIMERICK)_050	Shannon[Lower]_SC_090	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5759.29	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
2088	Turbine Delivery Route Option 3A	Limerick	74450	TDR 25m intervals	563737.72	656605.44	NA	NA	Yes	MULKEAR (LIMERICK)_0	MULKEAR (LIMERICK)_050	Shannon[Lower]_SC_090	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5762.83	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
2089	Turbine Delivery Route Option 3A	Limerick	74425	TDR 25m intervals	563762.18	656610.60	NA	NA	Yes	MULKEAR (LIMERICK)_0	MULKEAR (LIMERICK)_050	Shannon[Lower]_SC_090	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5765.85	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
2090	Turbine Delivery Route Option 3A	Limerick	74400	TDR 25m intervals	563786.65	656615.76	NA	NA	Yes	MULKEAR (LIMERICK)_0	MULKEAR (LIMERICK)_050	Shannon[Lower]_SC_090	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5768.97	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
2091	Turbine Delivery Route Option 3A	Limerick	74375	TDR 25m intervals	563811.12	656620.88	NA	NA	Yes	MULKEAR (LIMERICK)_0	MULKEAR (LIMERICK)_050	Shannon[Lower]_SC_090	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5772.24	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
2092	Turbine Delivery Route Option 3A	Limerick		TDR_WCC_130	563835.66	656625.44	WCC	NA	Yes	MULKEAR (LIMERICK)_0	MULKEAR (LIMERICK)_050	Shannon[Lower]_SC_090	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5772.24	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
2093	Turbine Delivery Route Option 3A	Limerick	74350	TDR 25m intervals	563835.59	656625.96	NA	NA	Yes	MULKEAR (LIMERICK)_0	MULKEAR (LIMERICK)_050	Shannon[Lower]_SC_090	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5775.66	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
2094	Turbine Delivery Route Option 3A	Limerick	74325	TDR 25m intervals	563860.07	656631.04	NA	NA	Yes	MULKEAR (LIMERICK)_0	MULKEAR (LIMERICK)_050	Shannon[Lower]_SC_090	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5779.17	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
2095	Turbine Delivery Route Option 3A	Limerick	74300	TDR 25m intervals	563884.57	656636.03	NA	NA	Yes	MULKEAR (LIMERICK)_0	MULKEAR (LIMERICK)_050	Shannon[Lower]_SC_090	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5782.90	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
2096	Turbine Delivery Route Option 3A	Limerick	74275	TDR 25m intervals	563909.07	656641.00	NA	NA	Yes	MULKEAR (LIMERICK)_0	MULKEAR (LIMERICK)_050	Shannon[Lower]_SC_090	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5786.74	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
2097	Turbine Delivery Route Option 3A	Limerick	74250	TDR 25m intervals	563933.57	656645.97	NA	NA	Yes	MULKEAR (LIMERICK)_0	MULKEAR (LIMERICK)_050	Shannon[Lower]_SC_090	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5790.69	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
2098	Turbine Delivery Route Option 3A	Limerick	74225	TDR 25m intervals	563958.07	656650.94	NA	NA	Yes	MULKEAR (LIMERICK)_0	MULKEAR (LIMERICK)_050	Shannon[Lower]_SC_090	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5794.75	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
2099	Turbine Delivery Route Option 3A	Limerick	74200	TDR 25m intervals	563982.57	656655.91	NA	NA	No	NA	MULKEAR (LIMERICK)_050	Shannon[Lower]_SC_090	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5798.91	No	No	No	No	No		NA
2100	Turbine Delivery Route Option 3A	Limerick	74175	TDR 25m intervals	564007.08	656660.86	NA	NA	No	NA	MULKEAR (LIMERICK)_050	Shannon[Lower]_SC_090	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5803.20	No	No	No	No	No		NA
2101	Turbine Delivery Route Option 3A	Limerick	74150	TDR 25m intervals	564031.59	656665.80	NA	NA	No	NA	MULKEAR (LIMERICK)_050	Shannon[Lower]_SC_090	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5807.60	No	No	No	No	No		NA
2102	Turbine Delivery Route Option 3A	Limerick	74125	TDR 25m intervals	564056.09	656670.74	NA	NA	No	NA	MULKEAR (LIMERICK)_050	Shannon[Lower]_SC_090	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5812.11	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2103	Turbine Delivery Route Option 3A	Limerick	74100	TDR 25m intervals	564080.60	656675.68	NA	NA	Yes	MULKEAR (LIMERICK)_0	MULKEAR (LIMERICK)_050	Shannon[Lower]_SC_090	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5816.72	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone

Appendix 10.3 - Baseline Database -Turbine Delivery Route, Option 3A
Oatfield WF, Co. Clare

Project Ref. 604569
Prepared by: Cca / DW
Date: 17/11/2023
File Ref: 604569-Geo-R03-App10.3-(00)-Baseline Database -Turbine Delivery Route

	TDR		Assessment Location		Grid Coordinates (ITM)		Construction Details		Surface Water				Groundwater / Bedrock Aquifer						Groundwater / Wells / Abstraction		Designated Areas			Assessment Graphics / Comment	
Row No.	Turbine Delivery Route (TDR)	County	Location ID	Assessment Location Category	Easting	Northing	Type of Water Crossing / Construction Activity	Approximate Construction Depth (Excavation / Drilling) Depth Relative to Ground Level)	SW 50m Buffer	Receptor Category (Mapped river = EPA / WFD mapped)	River basins	Subcatchments	Aquifer Vulnerability	Potential Depth to Bedrock (acc. To GSI categories)	GW Aquifer Type	Excavation in or near Bedrock (In line with GSI mapped Aquifer Vulnerability)	Karst 25m buffer	Distance to Karst Feature	GW Abstraction 250m Buffer	Groundwater Source Protection Area NFGWS	SAC 50m Buffer	SPA 50m Buffer	Within SAC / SPA / NHA ?	Map Tile Number	Comments & MITIGATION MEASURES
					ITM	ITM		mbGL	50m										250m						
2104	Turbine Delivery Route Option 3A	Limerick	74075	TDR 25m intervals	564105.11	656680.62	NA	NA	Yes	MULKEAR (LIMERICK)_0	MULKEAR (LIMERICK)_050	Shannon[Lower]_SC_090	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5821.43	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone
2105	Turbine Delivery Route Option 3A	Limerick	74050	TDR 25m intervals	564129.54	656685.89	NA	NA	Yes	MULKEAR (LIMERICK)_0	MULKEAR (LIMERICK)_050	Shannon[Lower]_SC_090	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5825.91	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone
2106	Turbine Delivery Route Option 3A	Limerick		TDR_WCC_131	564146.57	656690.28	WCC	NA	Yes	MULKEAR (LIMERICK)_0	MULKEAR (LIMERICK)_050	Shannon[Lower]_SC_090	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5825.91	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone
2107	Turbine Delivery Route Option 3A	Limerick	74025	TDR 25m intervals	564153.97	656691.24	NA	NA	Yes	MULKEAR (LIMERICK)_0	MULKEAR (LIMERICK)_050	Shannon[Lower]_SC_090	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5830.43	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone
2108	Turbine Delivery Route Option 3A	Limerick	44225	TDR 25m intervals	564178.39	656696.58	NA	NA	Yes	MULKEAR (LIMERICK)_0	MULKEAR (LIMERICK)_050	Shannon[Lower]_SC_090	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5835.05	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone
2109	Turbine Delivery Route Option 3A	Limerick	73950	TDR 25m intervals	564202.81	656701.92	NA	NA	Yes	MULKEAR (LIMERICK)_0	MULKEAR (LIMERICK)_050	Shannon[Lower]_SC_090	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5839.77	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone
2110	Turbine Delivery Route Option 3A	Limerick	73925	TDR 25m intervals	564227.23	656707.26	NA	NA	No	NA	MULKEAR (LIMERICK)_050	Shannon[Lower]_SC_090	Moderate (M)	5 to 10m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5844.60	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2111	Turbine Delivery Route Option 3A	Limerick	73900	TDR 25m intervals	564251.66	656712.60	NA	NA	No	NA	MULKEAR (LIMERICK)_050	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Lm) Locally Important Aquifer - Bedrock which is Generally Moderately Productive	NA	NA	5849.53	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2112	Turbine Delivery Route Option 3A	Limerick	73850	TDR 25m intervals	564276.13	656717.71	NA	NA	No	NA	MULKEAR (LIMERICK)_050	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5854.80	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
2113	Turbine Delivery Route Option 3A	Limerick	73800	TDR 25m intervals	564300.61	656722.78	NA	NA	No	NA	MULKEAR (LIMERICK)_050	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5860.20	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
2114	Turbine Delivery Route Option 3A	Limerick	73775	TDR 25m intervals	564325.09	656727.85	NA	NA	Yes	MULKEAR (LIMERICK)_0	MULKEAR (LIMERICK)_050	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5865.71	Yes	No	Lower River Shannon SAC	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone Regionally Important Aquifer Within Lower River Shannon SAC Buffer
2115	Turbine Delivery Route Option 3A	Limerick	73725	TDR 25m intervals	564349.57	656732.92	NA	NA	Yes	MULKEAR (LIMERICK)_0	MULKEAR (LIMERICK)_050	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5871.32	Yes	No	Lower River Shannon SAC	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone Regionally Important Aquifer Within Lower River Shannon SAC Buffer
2116	Turbine Delivery Route Option 3A	Limerick		TDR_WCC_132	564364.52	656736.36	WCC	NA	Yes	MULKEAR (LIMERICK)_0	MULKEAR (LIMERICK)_050	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5871.32	Yes	No	Lower River Shannon SAC	No	Lower River Shannon SAC		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone Regionally Important Aquifer Within Lower River Shannon SAC
2117	Turbine Delivery Route Option 3A	Limerick	73675	TDR 25m intervals	564373.89	656738.69	NA	NA	Yes	MULKEAR (LIMERICK)_0	MULKEAR (LIMERICK)_050	Shannon[Lower]_SC_090	Extreme (E)	1 to 3m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5876.33	Yes	No	Lower River Shannon SAC	No	Lower River Shannon SAC		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone Regionally Important Aquifer Within Lower River Shannon SAC
2118	Turbine Delivery Route Option 3A	Limerick	73650	TDR 25m intervals	564398.14	656744.76	NA	NA	Yes	MULKEAR (LIMERICK)_0	MULKEAR (LIMERICK)_050	Shannon[Lower]_SC_090	Extreme (E)	1 to 3m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5881.14	Yes	No	Lower River Shannon SAC	No	Lower River Shannon SAC		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone Regionally Important Aquifer Within Lower River Shannon SAC
2119	Turbine Delivery Route Option 3A	Limerick	73600	TDR 25m intervals	564422.26	656751.29	NA	NA	No	NA	MULKEAR (LIMERICK)_050	Shannon[Lower]_SC_090	Rock near surface or karst (X)	<1m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5885.58	Yes	No	Lower River Shannon SAC	No	Lower River Shannon SAC		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer Within Lower River Shannon SAC
2120	Turbine Delivery Route Option 3A	Limerick	73550	TDR 25m intervals	564445.84	656759.58	NA	NA	No	NA	MULKEAR (LIMERICK)_050	Shannon[Lower]_SC_090	Extreme (E)	1 to 3m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5888.30	Yes	No	Lower River Shannon SAC	No	Lower River Shannon SAC		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer Within Lower River Shannon SAC
2121	Turbine Delivery Route Option 3A	Limerick	73525	TDR 25m intervals	564469.42	656767.88	NA	NA	No	NA	MULKEAR (LIMERICK)_050	Shannon[Lower]_SC_090	Extreme (E)	1 to 3m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5891.12	Yes	No	Lower River Shannon SAC	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer Within Lower River Shannon SAC Buffer
2122	Turbine Delivery Route Option 3A	Limerick	73500	TDR 25m intervals	564492.77	656776.81	NA	NA	No	NA	MULKEAR (LIMERICK)_050	Shannon[Lower]_SC_090	Extreme (E)	1 to 3m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5893.38	Yes	No	Lower River Shannon SAC	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer Within Lower River Shannon SAC Buffer
2123	Turbine Delivery Route Option 3A	Limerick	73475	TDR 25m intervals	564516.04	656785.95	NA	NA	No	NA	MULKEAR (LIMERICK)_050	Shannon[Lower]_SC_090	Extreme (E)	1 to 3m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5895.51	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
2124	Turbine Delivery Route Option 3A	Limerick	73450	TDR 25m intervals	564538.95	656795.91	NA	NA	No	NA	MULKEAR (LIMERICK)_050	Shannon[Lower]_SC_090	Extreme (E)	1 to 3m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5896.86	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2125	Turbine Delivery Route Option 3A	Limerick	73425	TDR 25m intervals	564561.42	656806.87	NA	NA	No	NA	MULKEAR (LIMERICK)_050	Shannon[Lower]_SC_090	Extreme (E)	1 to 3m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5897.23	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2126	Turbine Delivery Route Option 3A	Limerick	73400	TDR 25m intervals	564583.89	656817.82	NA	NA	No	NA	MULKEAR (LIMERICK)_050	Shannon[Lower]_SC_090	Extreme (E)	1 to 3m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5897.70	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2127	Turbine Delivery Route Option 3A	Limerick	73375	TDR 25m intervals	564606.25	656829.00	NA	NA	No	NA	MULKEAR (LIMERICK)_050	Shannon[Lower]_SC_090	Extreme (E)	1 to 3m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5898.04	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2128	Turbine Delivery Route Option 3A	Limerick	73350	TDR 25m intervals	564628.24	656840.89	NA	NA	No	NA	MULKEAR (LIMERICK)_050	Shannon[Lower]_SC_090	Extreme (E)	1 to 3m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5897.66	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2129	Turbine Delivery Route Option 3A	Limerick	73325	TDR 25m intervals	564650.23	656852.79	NA	NA	No	NA	MULKEAR (LIMERICK)_050	Shannon[Lower]_SC_090	Extreme (E)	1 to 3m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5897.40	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2130	Turbine Delivery Route Option 3A	Limerick	73300	TDR 25m intervals	564671.62	656865.68	NA	NA	No	NA	MULKEAR (LIMERICK)_050	Shannon[Lower]_SC_090	Extreme (E)	1 to 3m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5896.08	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2131	Turbine Delivery Route Option 3A	Limerick	73275	TDR 25m intervals	564692.43	656879.53	NA	NA	No	NA	MULKEAR (LIMERICK)_050	Shannon[Lower]_SC_090	Extreme (E)	1 to 3m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5893.74	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2132	Turbine Delivery Route Option 3A	Limerick	73250	TDR 25m intervals	564713.24	656893.38	NA	NA	No	NA	MULKEAR (LIMERICK)_050	Shannon[Lower]_SC_090	Extreme (E)	1 to 3m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5891.52	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2133	Turbine Delivery Route Option 3A	Limerick	73200	TDR 25m intervals	564732.83	656908.86	NA	NA	No	NA	MULKEAR (LIMERICK)_050	Shannon[Lower]_SC_090	Extreme (E)	1 to 3m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5887.37	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2134	Turbine Delivery Route Option 3A	Limerick	73175	TDR 25m intervals	564751.92	656925.00	NA	NA	No	NA	MULKEAR (LIMERICK)_050	Shannon[Lower]_SC_090	Extreme (E)	1 to 3m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5882.52	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2135	Turbine Delivery Route Option 3A	Limerick	73050	TDR 25m intervals	564770.91	656941.27	NA	NA	No	NA	MULKEAR (LIMERICK)_050	Shannon[Lower]_SC_090	Extreme (E)	1 to 3m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5877.60	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2136	Turbine Delivery Route Option 3A	Limerick	73000	TDR 25m intervals	564789.89	656957.54	NA	NA	No	NA	MULKEAR (LIMERICK)_050	Shannon[Lower]_SC_090	Extreme (E)	1 to 3m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5872.78	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2137	Turbine Delivery Route Option 3A	Limerick	72975	TDR 25m intervals	564808.59	656974.11	NA	NA	No	NA	MULKEAR (LIMERICK)_050	Shannon[Lower]_SC_090	Extreme (E)	1 to 3m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5867.66	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2138	Turbine Delivery Route Option 3A	Limerick	72925	TDR 25m intervals	564826.47	656991.58	NA	NA	No	NA	MULKEAR (LIMERICK)_050	Shannon[Lower]_SC_090	Extreme (E)	1 to 3m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5861.46	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2139	Turbine Delivery Route Option 3A	Limerick	72900	TDR 25m intervals	564844.36	657009.05	NA	NA	No	NA	MULKEAR (LIMERICK)_050	Shannon[Lower]_SC_090	Extreme (E)	1 to 3m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5855.35	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2140	Turbine Delivery Route Option 3A	Limerick	72850	TDR 25m intervals	564861.60	657027.15	NA	NA	No	NA	MULKEAR (LIMERICK)_050	Shannon[Lower]_SC_090	Extreme (E)	1 to 3m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5848.48	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
2141	Turbine Delivery Route Option 3A	Limerick	72825	TDR 25m intervals	564878.82	657045.28	NA	NA	No	NA	MULKEAR (LIMERICK)_050	Shannon[Lower]_SC_090	Extreme (E)	1 to 3m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5841.67	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
2142	Turbine Delivery Route Option 3A	Limerick	72775	TDR 25m intervals	564894.80	657064.50	NA	NA	No	NA	MULKEAR (LIMERICK)_050	Shannon[Lower]_SC_090	Extreme (E)	1 to 3m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5833.39	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
2143	Turbine Delivery Route Option 3A	Limerick	72750	TDR 25m intervals	564910.61	657083.86	NA	NA	No	NA	MULKEAR (LIMERICK)_050	Shannon[Lower]_SC_090	Extreme (E)	1 to 3m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5825.00	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
2144	Turbine Delivery Route Option 3A	Limerick	72725	TDR 25m intervals	564925.75	657103.75	NA	NA	No	NA	MULKEAR (LIMERICK)_050	Shannon[Lower]_SC_090	Extreme (E)	1 to 3m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5815.89	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
2145	Turbine Delivery Route Option 3A	Limerick	72700	TDR 25m intervals	564940.90	657123.65	NA	NA	No	NA	MULKEAR (LIMERICK)_050	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5806.88	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
2146	Turbine Delivery Route Option 3A	Limerick	45150	TDR 25m intervals	564954.92	657144.33	NA	NA	No	NA	MULKEAR (LIMERICK)_050	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5796.70	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
2147	Turbine Delivery Route Option 3A	Limerick	72675	TDR 25m intervals	564968.68	657165.21	NA	NA	No	NA	MULKEAR (LIMERICK)_050	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5786.31	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer

Appendix 10.3 - Baseline Database -Turbine Delivery Route, Option 3A
Oatfield WF, Co. Clare

Project Ref. 604569
Prepared by: Cca / DW
Date: 17/11/2023
File Ref: 604569-Geo-R03-App10.3-(00)-Baseline Database -Turbine Delivery Route

	TDR		Assessment Location		Grid Coordinates (ITM)		Construction Details		Surface Water				Groundwater / Bedrock Aquifer						Groundwater / Wells / Abstraction		Designated Areas			Assessment Graphics / Comment	
Row No.	Turbine Delivery Route (TDR)	County	Location ID	Assessment Location Category	Easting	Northing	Type of Water Crossing / Construction Activity	Approximate Construction Depth (Excavation / Drilling) Depth Relative to Ground Level)	SW 50m Buffer	Receptor Category (Mapped river = EPA / WFD mapped)	River basins	Subcatchments	Aquifer Vulnerability	Potential Depth to Bedrock (acc. To GSI categories)	GW Aquifer Type	Excavation in or near Bedrock (In line with GSI mapped Aquifer Vulnerability)	Karst 25m buffer	Distance to Karst Feature	GW Abstraction 250m Buffer	Groundwater Source Protection Area NFGWS	SAC 50m Buffer	SPA 50m Buffer	Within SAC / SPA / NHA ?	Map Tile Number	Comments & MITIGATION MEASURES
					ITM	ITM		mbGL	50m										250m						
2148	Turbine Delivery Route Option 3A	Limerick	72650	TDR 25m intervals	564981.13	657186.87	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5774.64	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
2149	Turbine Delivery Route Option 3A	Limerick	72625	TDR 25m intervals	564993.45	657208.61	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5762.92	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
2150	Turbine Delivery Route Option 3A	Limerick	72600	TDR 25m intervals	565006.18	657230.13	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5751.69	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
2151	Turbine Delivery Route Option 3A	Limerick	45275	TDR 25m intervals	565018.30	657251.97	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5739.95	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
2152	Turbine Delivery Route Option 3A	Limerick	72575	TDR 25m intervals	565029.20	657274.47	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5727.07	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
2153	Turbine Delivery Route Option 3A	Limerick	72550	TDR 25m intervals	565039.57	657297.21	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5713.78	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
2154	Turbine Delivery Route Option 3A	Limerick	45350	TDR 25m intervals	565049.43	657320.19	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5700.09	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
2155	Turbine Delivery Route Option 3A	Limerick	72525	TDR 25m intervals	565059.18	657343.21	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5686.38	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
2156	Turbine Delivery Route Option 3A	Limerick	45400	TDR 25m intervals	565068.47	657366.40	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5672.34	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
2157	Turbine Delivery Route Option 3A	Limerick	45450	TDR 25m intervals	565076.50	657390.08	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5657.27	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
2158	Turbine Delivery Route Option 3A	Limerick	72500	TDR 25m intervals	565083.02	657414.21	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5641.03	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
2159	Turbine Delivery Route Option 3A	Limerick	45475	TDR 25m intervals	565089.53	657438.35	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5624.86	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2160	Turbine Delivery Route Option 3A	Limerick	45525	TDR 25m intervals	565096.05	657462.48	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5608.76	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2161	Turbine Delivery Route Option 3A	Limerick	72475	TDR 25m intervals	565102.57	657486.62	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5592.72	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2162	Turbine Delivery Route Option 3A	Limerick	45550	TDR 25m intervals	565109.09	657510.75	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5576.74	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2163	Turbine Delivery Route Option 3A	Limerick	45575	TDR 25m intervals	565113.80	657535.29	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5559.46	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2164	Turbine Delivery Route Option 3A	Limerick	45625	TDR 25m intervals	565118.17	657559.91	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5541.97	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2165	Turbine Delivery Route Option 3A	Limerick	46025	TDR 25m intervals	565120.95	657584.74	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5523.43	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2166	Turbine Delivery Route Option 3A	Limerick	46100	TDR 25m intervals	565123.28	657609.63	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5504.64	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2167	Turbine Delivery Route Option 3A	Limerick	45700	TDR 25m intervals	565125.56	657634.52	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5485.86	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2168	Turbine Delivery Route Option 3A	Limerick	46150	TDR 25m intervals	565126.78	657659.49	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5466.44	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2169	Turbine Delivery Route Option 3A	Limerick	45825	TDR 25m intervals	565128.00	657684.46	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5447.06	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2170	Turbine Delivery Route Option 3A	Limerick	72450	TDR 25m intervals	565129.22	657709.43	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5427.73	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2171	Turbine Delivery Route Option 3A	Clare	37825	TDR 25m intervals	558529.49	666122.95	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5270.67	No	No	No	No	No		NA
2172	Turbine Delivery Route Option 3A	Clare	37800	TDR 25m intervals	558507.87	666135.50	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5294.13	No	No	No	No	No		NA
2173	Turbine Delivery Route Option 3A	Clare	37775	TDR 25m intervals	558486.25	666148.04	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5317.61	No	No	No	No	No		NA
2174	Turbine Delivery Route Option 3A	Clare	88025	TDR 25m intervals	558470.73	666167.52	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5342.51	No	No	No	No	No		NA
2175	Turbine Delivery Route Option 3A	Clare	80875	TDR 25m intervals	558455.56	666187.39	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5367.49	No	No	No	No	No		NA
2176	Turbine Delivery Route Option 3A	Clare	37725	TDR 25m intervals	558440.39	666207.26	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5392.47	No	No	No	No	No		NA
2177	Turbine Delivery Route Option 3A	Clare	80900	TDR 25m intervals	558427.69	666228.55	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5416.97	No	No	No	No	No		NA
2178	Turbine Delivery Route Option 3A	Clare	37700	TDR 25m intervals	558418.15	666251.66	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5440.85	No	No	No	No	No		NA
2179	Turbine Delivery Route Option 3A	Clare	80925	TDR 25m intervals	558408.71	666274.80	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5464.70	No	No	No	No	No		NA
2180	Turbine Delivery Route Option 3A	Clare	88175	TDR 25m intervals	558401.83	666298.84	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5487.62	No	No	No	No	No		NA
2181	Turbine Delivery Route Option 3A	Clare	88200	TDR 25m intervals	558394.85	666322.84	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5510.61	No	No	No	No	No		NA
2182	Turbine Delivery Route Option 3A	Clare	88225	TDR 25m intervals	558387.15	666346.63	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5533.89	No	No	No	No	No		NA
2183	Turbine Delivery Route Option 3A	Clare	88350	TDR 25m intervals	558379.73	666370.50	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5557.08	No	No	No	No	No		NA
2184	Turbine Delivery Route Option 3A	Clare	88325	TDR 25m intervals	558377.95	666395.32	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5577.47	No	No	No	No	No		NA
2185	Turbine Delivery Route Option 3A	Clare	88475	TDR 25m intervals	558377.64	666420.29	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5597.09	No	No	No	No	No		NA
2186	Turbine Delivery Route Option 3A	Clare	88375	TDR 25m intervals	558380.08	666445.17	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5614.97	No	No	No	No	No		NA
2187	Turbine Delivery Route Option 3A	Clare	88425	TDR 25m intervals	558382.51	666470.05	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5632.90	No	No	No	No	No		NA
2188	Turbine Delivery Route Option 3A	Clare	88400	TDR 25m intervals	558383.77	666495.02	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5651.68	No	No	No	No	No		NA
2189	Turbine Delivery Route Option 3A	Clare	80950	TDR 25m intervals	558384.35	666519.98	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5670.93	No	No	No	No	No		NA
2190	Turbine Delivery Route Option 3A	Clare	88250	TDR 25m intervals	558382.57	666544.92	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5691.65	No	No	No	No	No		NA

Appendix 10.3 - Baseline Database -Turbine Delivery Route, Option 3A
Oatfield WF, Co. Clare

Project Ref. 604569
Prepared by: Cca / DW
Date: 17/11/2023
File Ref: 604569-Geo-R03-App10.3-(00)-Baseline Database -Turbine Delivery Route

	TDR		Assessment Location		Grid Coordinates (ITM)		Construction Details		Surface Water				Groundwater / Bedrock Aquifer						Groundwater / Wells / Abstraction		Designated Areas			Assessment Graphics / Comment	
Row No.	Turbine Delivery Route (TDR)	County	Location ID	Assessment Location Category	Easting	Northing	Type of Water Crossing / Construction Activity	Approximate Construction Depth (Excavation / Drilling) Depth Relative to Ground Level)	SW 50m Buffer	Receptor Category (Mapped river = EPA / WFD mapped)	River basins	Subcatchments	Aquifer Vulnerability	Potential Depth to Bedrock (acc. To GSI categories)	GW Aquifer Type	Excavation in or near Bedrock (In line with GSI mapped Aquifer Vulnerability)	Karst 25m buffer	Distance to Karst Feature	GW Abstraction 250m Buffer	Groundwater Source Protection Area NFGWS	SAC 50m Buffer	SPA 50m Buffer	Within SAC / SPA / NHA ?	Map Tile Number	Comments & MITIGATION MEASURES
					ITM	ITM		mbGL	50m										250m						
2191	Turbine Delivery Route Option 3A	Clare	88450	TDR 25m intervals	558379.65	666569.75	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5713.03	No	No	No	No	No		NA
2192	Turbine Delivery Route Option 3A	Clare	88275	TDR 25m intervals	558377.41	666594.64	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5734.07	No	No	No	No	No		NA
2193	Turbine Delivery Route Option 3A	Clare	88500	TDR 25m intervals	558375.34	666619.56	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5755.05	No	No	No	No	No		NA
2194	Turbine Delivery Route Option 3A	Clare	88525	TDR 25m intervals	558373.51	666644.49	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5775.93	No	No	No	No	No		NA
2195	Turbine Delivery Route Option 3A	Clare	88550	TDR 25m intervals	558371.69	666669.43	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5796.84	No	No	No	No	No		NA
2196	Turbine Delivery Route Option 3A	Clare	88575	TDR 25m intervals	558369.87	666694.36	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5817.78	No	No	No	No	No		NA
2197	Turbine Delivery Route Option 3A	Clare	88625	TDR 25m intervals	558367.91	666719.28	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5838.83	No	No	No	No	No		NA
2198	Turbine Delivery Route Option 3A	Clare	37650	TDR 25m intervals	558365.04	666744.11	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5860.39	No	No	No	No	No		NA
2199	Turbine Delivery Route Option 3A	Clare	80975	TDR 25m intervals	558362.17	666768.95	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5881.98	No	No	No	No	No		NA
2200	Turbine Delivery Route Option 3A	Clare	88650	TDR 25m intervals	558359.30	666793.78	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5903.59	No	No	No	No	No		NA
2201	Turbine Delivery Route Option 3A	Clare	88675	TDR 25m intervals	558356.42	666818.62	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5925.23	No	No	No	No	No		NA
2202	Turbine Delivery Route Option 3A	Clare	88700	TDR 25m intervals	558353.85	666843.48	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5946.74	No	No	No	No	No		NA
2203	Turbine Delivery Route Option 3A	Clare	88750	TDR 25m intervals	558351.58	666868.38	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5968.13	No	No	No	No	No		NA
2204	Turbine Delivery Route Option 3A	Clare	88775	TDR 25m intervals	558349.31	666893.28	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5989.54	No	No	No	No	No		NA
2205	Turbine Delivery Route Option 3A	Clare	88800	TDR 25m intervals	558347.05	666918.17	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6010.98	No	No	No	No	No		NA
2206	Turbine Delivery Route Option 3A	Clare	88850	TDR 25m intervals	558344.53	666943.05	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6032.57	No	No	No	No	No		NA
2207	Turbine Delivery Route Option 3A	Clare	37625	TDR 25m intervals	558341.95	666967.91	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6054.23	No	No	No	No	No		NA
2208	Turbine Delivery Route Option 3A	Clare	81000	TDR 25m intervals	558339.45	666992.79	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6075.87	No	No	No	No	No		NA
2209	Turbine Delivery Route Option 3A	Clare	88875	TDR 25m intervals	558337.21	667017.69	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6097.40	No	No	No	No	No		NA
2210	Turbine Delivery Route Option 3A	Clare	88900	TDR 25m intervals	558334.98	667042.59	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6118.95	No	No	No	No	No		NA
2211	Turbine Delivery Route Option 3A	Clare	88925	TDR 25m intervals	558332.74	667067.49	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6140.54	No	No	No	No	No		NA
2212	Turbine Delivery Route Option 3A	Clare	88950	TDR 25m intervals	558330.51	667092.39	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6162.15	No	No	No	No	No		NA
2213	Turbine Delivery Route Option 3A	Clare	88975	TDR 25m intervals	558328.27	667117.29	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6183.78	No	No	No	No	No		NA
2214	Turbine Delivery Route Option 3A	Clare	89025	TDR 25m intervals	558326.04	667142.19	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6205.44	No	No	No	No	No		NA
2215	Turbine Delivery Route Option 3A	Clare	89050	TDR 25m intervals	558323.80	667167.09	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6227.13	No	No	No	No	No		NA
2216	Turbine Delivery Route Option 3A	Clare	89075	TDR 25m intervals	558321.57	667191.99	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6248.84	No	No	No	No	No		NA
2217	Turbine Delivery Route Option 3A	Clare	89125	TDR 25m intervals	558319.33	667216.89	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6270.57	No	No	No	No	No		NA
2218	Turbine Delivery Route Option 3A	Clare	37600	TDR 25m intervals	558317.10	667241.79	NA	NA	Yes	MOUNTRICE_010	MOUNTRICE_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6292.33	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
2219	Turbine Delivery Route Option 3A	Clare		Crossing No. 43A (IPF	558311.88	667258.46	WCC	NA	Yes	MOUNTRICE_010	MOUNTRICE_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6292.33	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
2220	Turbine Delivery Route Option 3A	Clare	89150	TDR 25m intervals	558314.86	667266.69	NA	NA	Yes	MOUNTRICE_010	MOUNTRICE_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6314.11	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
2221	Turbine Delivery Route Option 3A	Clare	81025	TDR 25m intervals	558312.63	667291.59	NA	NA	Yes	MOUNTRICE_010	MOUNTRICE_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6335.92	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
2222	Turbine Delivery Route Option 3A	Clare	89175	TDR 25m intervals	558310.39	667316.49	NA	NA	Yes	MOUNTRICE_010	MOUNTRICE_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6357.75	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
2223	Turbine Delivery Route Option 3A	Clare	89200	TDR 25m intervals	558308.15	667341.39	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6379.60	No	No	No	No	No		NA
2224	Turbine Delivery Route Option 3A	Clare	89225	TDR 25m intervals	558305.92	667366.28	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6401.48	No	No	No	No	No		NA
2225	Turbine Delivery Route Option 3A	Clare	89250	TDR 25m intervals	558303.68	667391.18	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6423.38	No	No	No	No	No		NA

Appendix 10.3 - Baseline Database -Turbine Delivery Route, Option 3A
Oatfield WF, Co. Clare

Project Ref. 604569
Prepared by: Cca / DW
Date: 17/11/2023
File Ref: 604569-Geo-R03-App10.3-(00)-Baseline Database -Turbine Delivery Route

	TDR		Assessment Location		Grid Coordinates (ITM)		Construction Details		Surface Water				Groundwater / Bedrock Aquifer						Groundwater / Wells / Abstraction		Designated Areas			Assessment Graphics / Comment	
Row No.	Turbine Delivery Route (TDR)	County	Location ID	Assessment Location Category	Easting	Northing	Type of Water Crossing / Construction Activity	Approximate Construction Depth (Excavation / Drilling) Depth Relative to Ground Level)	SW 50m Buffer	Receptor Category (Mapped river = EPA / WFD mapped)	River basins	Subcatchments	Aquifer Vulnerability	Potential Depth to Bedrock (acc. To GSI categories)	GW Aquifer Type	Excavation in or near Bedrock (In line with GSI mapped Aquifer Vulnerability)	Karst 25m buffer	Distance to Karst Feature	GW Abstraction 250m Buffer	Groundwater Source Protection Area NFGWS	SAC 50m Buffer	SPA 50m Buffer	Within SAC / SPA / NHA ?	Map Tile Number	Comments & MITIGATION MEASURES
					ITM	ITM		mbGL	50m										250m						
2226	Turbine Delivery Route Option 3A	Clare	89300	TDR 25m intervals	558301.45	667416.08	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6445.30	No	No	No	No	No		NA
2227	Turbine Delivery Route Option 3A	Clare	89325	TDR 25m intervals	558299.21	667440.98	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6467.24	No	No	No	No	No		NA
2228	Turbine Delivery Route Option 3A	Clare	89350	TDR 25m intervals	558296.98	667465.88	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6489.21	No	No	No	No	No		NA
2229	Turbine Delivery Route Option 3A	Clare	89400	TDR 25m intervals	558294.74	667490.78	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6511.20	No	No	No	No	No		NA
2230	Turbine Delivery Route Option 3A	Clare	37575	TDR 25m intervals	558292.51	667515.68	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6533.21	No	No	No	No	No		NA
2231	Turbine Delivery Route Option 3A	Clare	89425	TDR 25m intervals	558290.27	667540.58	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6555.24	No	No	No	No	No		NA
2232	Turbine Delivery Route Option 3A	Clare	81050	TDR 25m intervals	558288.00	667565.48	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6577.31	No	No	No	No	No		NA
2233	Turbine Delivery Route Option 3A	Clare	89450	TDR 25m intervals	558283.69	667590.10	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6600.28	No	No	No	No	No		NA
2234	Turbine Delivery Route Option 3A	Clare	89475	TDR 25m intervals	558279.37	667614.73	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6623.28	No	No	No	No	No		NA
2235	Turbine Delivery Route Option 3A	Clare	89525	TDR 25m intervals	558275.06	667639.35	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6646.29	No	No	No	No	No		NA
2236	Turbine Delivery Route Option 3A	Clare	89550	TDR 25m intervals	558270.74	667663.98	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6669.31	No	No	No	No	No		NA
2237	Turbine Delivery Route Option 3A	Clare	37550	TDR 25m intervals	558266.43	667688.60	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6692.35	No	No	No	No	No		NA
2238	Turbine Delivery Route Option 3A	Clare	81075	TDR 25m intervals	558262.11	667713.23	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6715.40	No	No	No	No	No		NA
2239	Turbine Delivery Route Option 3A	Clare	89600	TDR 25m intervals	558257.80	667737.85	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6738.46	No	No	No	No	No		NA
2240	Turbine Delivery Route Option 3A	Clare	89625	TDR 25m intervals	558253.48	667762.48	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6761.54	No	No	No	No	No		NA
2241	Turbine Delivery Route Option 3A	Clare	89675	TDR 25m intervals	558249.17	667787.10	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6784.63	No	No	No	No	No		NA
2242	Turbine Delivery Route Option 3A	Clare	89725	TDR 25m intervals	558244.85	667811.73	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6807.74	No	No	No	No	No		NA
2243	Turbine Delivery Route Option 3A	Clare	37525	TDR 25m intervals	558240.53	667836.35	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6830.86	No	No	No	No	No		NA
2244	Turbine Delivery Route Option 3A	Clare	81100	TDR 25m intervals	558236.22	667860.98	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6853.99	No	No	No	No	No		NA
2245	Turbine Delivery Route Option 3A	Clare	89750	TDR 25m intervals	558231.90	667885.60	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6877.14	No	No	No	No	No		NA
2246	Turbine Delivery Route Option 3A	Clare	89800	TDR 25m intervals	558227.59	667910.23	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6900.30	No	No	No	No	No		NA
2247	Turbine Delivery Route Option 3A	Clare	89825	TDR 25m intervals	558223.24	667934.84	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6923.48	No	No	No	No	No		NA
2248	Turbine Delivery Route Option 3A	Clare	37500	TDR 25m intervals	558217.62	667959.20	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6947.13	No	No	No	No	No		NA
2249	Turbine Delivery Route Option 3A	Clare	81125	TDR 25m intervals	558212.00	667983.56	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6970.79	No	No	No	No	No		NA
2250	Turbine Delivery Route Option 3A	Clare	89875	TDR 25m intervals	558206.38	668007.92	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6994.46	No	No	No	No	No		NA
2251	Turbine Delivery Route Option 3A	Clare	89925	TDR 25m intervals	558200.76	668032.28	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7018.13	No	No	No	No	No		NA
2252	Turbine Delivery Route Option 3A	Clare	89950	TDR 25m intervals	558195.13	668056.64	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7041.82	No	No	No	No	No		NA
2253	Turbine Delivery Route Option 3A	Clare	37475	TDR 25m intervals	558189.51	668081.00	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7065.52	No	No	No	No	No		NA
2254	Turbine Delivery Route Option 3A	Clare	81150	TDR 25m intervals	558183.89	668105.36	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7089.22	No	No	No	No	No		NA
2255	Turbine Delivery Route Option 3A	Clare	90025	TDR 25m intervals	558178.27	668129.72	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7112.94	No	No	No	No	No		NA
2256	Turbine Delivery Route Option 3A	Clare	90050	TDR 25m intervals	558172.65	668154.08	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7136.66	No	No	No	No	No		NA
2257	Turbine Delivery Route Option 3A	Clare	37450	TDR 25m intervals	558167.03	668178.44	NA	NA	Yes	MOUNTRICE_010	MOUNTRICE_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7160.39	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
2258	Turbine Delivery Route Option 3A	Clare	81175	TDR 25m intervals	558161.40	668202.80	NA	NA	Yes	MOUNTRICE_010	MOUNTRICE_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7184.13	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
2259	Turbine Delivery Route Option 3A	Clare		Crossing No. 48A (IPF	558154.70	668222.56	WCC	NA	Yes	MOUNTRICE_010	MOUNTRICE_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7184.13	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
2260	Turbine Delivery Route Option 3A	Clare	90100	TDR 25m intervals	558155.78	668227.16	NA	NA	Yes	MOUNTRICE_010	MOUNTRICE_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7207.88	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone

Appendix 10.3 - Baseline Database -Turbine Delivery Route, Option 3A
Oatfield WF, Co. Clare

Project Ref. 604569
Prepared by: Cca / DW
Date: 17/11/2023
File Ref: 604569-Geo-R03-App10.3-(00)-Baseline Database -Turbine Delivery Route

	TDR		Assessment Location		Grid Coordinates (ITM)		Construction Details		Surface Water				Groundwater / Bedrock Aquifer						Groundwater / Wells / Abstraction		Designated Areas			Assessment Graphics / Comment	
Row No.	Turbine Delivery Route (TDR)	County	Location ID	Assessment Location Category	Easting	Northing	Type of Water Crossing / Construction Activity	Approximate Construction Depth (Excavation / Drilling) Depth Relative to Ground Level)	SW 50m Buffer	Receptor Category (Mapped river = EPA / WFD mapped)	River basins	Subcatchments	Aquifer Vulnerability	Potential Depth to Bedrock (acc. To GSI categories)	GW Aquifer Type	Excavation in or near Bedrock (In line with GSI mapped Aquifer Vulnerability)	Karst 25m buffer	Distance to Karst Feature	GW Abstraction 250m Buffer	Groundwater Source Protection Area NFGWS	SAC 50m Buffer	SPA 50m Buffer	Within SAC / SPA / NHA ?	Map Tile Number	Comments & MITIGATION MEASURES
					ITM	ITM		mbGL	50m										250m						
2261	Turbine Delivery Route Option 3A	Clare	90150	TDR 25m intervals	558150.16	668251.52	NA	NA	Yes	MOUNTRICE_010	MOUNTRICE_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7231.64	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
2262	Turbine Delivery Route Option 3A	Clare	37425	TDR 25m intervals	558143.54	668275.59	NA	NA	Yes	MOUNTRICE_010	MOUNTRICE_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7255.67	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
2263	Turbine Delivery Route Option 3A	Clare	81200	TDR 25m intervals	558135.38	668299.23	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7280.13	No	No	No	No	No		NA
2264	Turbine Delivery Route Option 3A	Clare	90225	TDR 25m intervals	558127.22	668322.86	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7304.59	No	No	No	No	No		NA
2265	Turbine Delivery Route Option 3A	Clare	37400	TDR 25m intervals	558119.07	668346.49	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7329.05	No	No	No	No	No		NA
2266	Turbine Delivery Route Option 3A	Clare	81225	TDR 25m intervals	558110.91	668370.12	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7353.52	No	No	No	No	No		NA
2267	Turbine Delivery Route Option 3A	Clare	90300	TDR 25m intervals	558102.75	668393.75	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7377.99	No	No	No	No	No		NA
2268	Turbine Delivery Route Option 3A	Clare	81250	TDR 25m intervals	558094.59	668417.38	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7402.46	No	No	No	No	No		NA
2269	Turbine Delivery Route Option 3A	Clare	37375	TDR 25m intervals	558086.44	668441.01	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7426.94	No	No	No	No	No		NA
2270	Turbine Delivery Route Option 3A	Clare	90375	TDR 25m intervals	558078.28	668464.65	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7451.42	No	No	No	No	No		NA
2271	Turbine Delivery Route Option 3A	Clare	81275	TDR 25m intervals	558070.12	668488.28	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7475.91	No	No	No	No	No		NA
2272	Turbine Delivery Route Option 3A	Clare	37350	TDR 25m intervals	558061.96	668511.91	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7484.87	No	No	No	No	No		NA
2273	Turbine Delivery Route Option 3A	Clare	90450	TDR 25m intervals	558053.80	668535.54	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7459.86	No	No	No	No	No		NA
2274	Turbine Delivery Route Option 3A	Clare	81300	TDR 25m intervals	558045.65	668559.17	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7434.86	No	No	No	No	No		NA
2275	Turbine Delivery Route Option 3A	Clare	37325	TDR 25m intervals	558037.49	668582.80	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7409.86	No	No	No	No	No		NA
2276	Turbine Delivery Route Option 3A	Clare	90525	TDR 25m intervals	558029.33	668606.44	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7384.85	No	No	No	No	No		NA
2277	Turbine Delivery Route Option 3A	Clare	81325	TDR 25m intervals	558020.36	668629.70	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7359.93	No	No	No	No	No		NA
2278	Turbine Delivery Route Option 3A	Clare	37300	TDR 25m intervals	558008.19	668651.54	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7335.34	No	No	No	No	No		NA
2279	Turbine Delivery Route Option 3A	Clare	81350	TDR 25m intervals	557996.01	668673.37	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7310.76	No	No	No	No	No		NA
2280	Turbine Delivery Route Option 3A	Clare	37275	TDR 25m intervals	557983.83	668695.21	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7286.18	No	No	No	No	No		NA
2281	Turbine Delivery Route Option 3A	Clare	81375	TDR 25m intervals	557971.66	668717.04	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7261.60	No	No	No	No	No		NA
2282	Turbine Delivery Route Option 3A	Clare	37250	TDR 25m intervals	557959.48	668738.88	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7237.02	No	No	No	No	No		NA
2283	Turbine Delivery Route Option 3A	Clare	81400	TDR 25m intervals	557947.31	668760.71	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7212.44	No	No	No	No	No		NA
2284	Turbine Delivery Route Option 3A	Clare	37225	TDR 25m intervals	557935.13	668782.55	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7187.87	No	No	No	No	No		NA
2285	Turbine Delivery Route Option 3A	Clare	81425	TDR 25m intervals	557922.96	668804.38	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7163.30	No	No	No	No	No		NA
2286	Turbine Delivery Route Option 3A	Clare	37200	TDR 25m intervals	557910.78	668826.22	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7138.74	No	No	No	No	No		NA
2287	Turbine Delivery Route Option 3A	Clare	81450	TDR 25m intervals	557898.61	668848.05	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7114.18	No	No	No	No	No		NA
2288	Turbine Delivery Route Option 3A	Clare	37175	TDR 25m intervals	557886.30	668869.81	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7089.65	No	No	No	No	No		NA
2289	Turbine Delivery Route Option 3A	Clare	81475	TDR 25m intervals	557873.53	668891.30	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7065.23	No	No	No	No	No		NA
2290	Turbine Delivery Route Option 3A	Clare	37150	TDR 25m intervals	557860.76	668912.80	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7040.82	No	No	No	No	No		NA
2291	Turbine Delivery Route Option 3A	Clare	81500	TDR 25m intervals	557847.99	668934.29	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7016.41	No	No	No	No	No		NA
2292	Turbine Delivery Route Option 3A	Clare	37125	TDR 25m intervals	557835.22	668955.78	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6992.00	No	No	No	No	No		NA
2293	Turbine Delivery Route Option 3A	Clare	81525	TDR 25m intervals	557822.45	668977.27	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6967.60	No	No	No	No	No		NA
2294	Turbine Delivery Route Option 3A	Clare	37100	TDR 25m intervals	557809.67	668998.76	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6943.21	No	No	No	No	No		NA
2295	Turbine Delivery Route Option 3A	Clare	37075	TDR 25m intervals	557796.90	669020.25	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6918.82	No	No	No	No	No		NA

Appendix 10.3 - Baseline Database -Turbine Delivery Route, Option 3A
Oatfield WF, Co. Clare

Project Ref. 604569
Prepared by: Cca / DW
Date: 17/11/2023
File Ref: 604569-Geo-R03-App10.3-(00)-Baseline Database -Turbine Delivery Route

	TDR		Assessment Location		Grid Coordinates (ITM)		Construction Details		Surface Water				Groundwater / Bedrock Aquifer						Groundwater / Wells / Abstraction		Designated Areas			Assessment Graphics / Comment	
Row No.	Turbine Delivery Route (TDR)	County	Location ID	Assessment Location Category	Easting	Northing	Type of Water Crossing / Construction Activity	Approximate Construction Depth (Excavation / Drilling) Depth Relative to Ground Level)	SW 50m Buffer	Receptor Category (Mapped river = EPA / WFD mapped)	River basins	Subcatchments	Aquifer Vulnerability	Potential Depth to Bedrock (acc. To GSI categories)	GW Aquifer Type	Excavation in or near Bedrock (In line with GSI mapped Aquifer Vulnerability)	Karst 25m buffer	Distance to Karst Feature	GW Abstraction 250m Buffer	Groundwater Source Protection Area NFGWS	SAC 50m Buffer	SPA 50m Buffer	Within SAC / SPA / NHA ?	Map Tile Number	Comments & MITIGATION MEASURES
					ITM	ITM		mbGL	50m										250m						
2296	Turbine Delivery Route Option 3A	Clare	92800	TDR 25m intervals	557784.13	669041.75	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6894.43	No	No	No	No	No		NA
2297	Turbine Delivery Route Option 3A	Clare	37050	TDR 25m intervals	557771.89	669063.53	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6869.93	No	No	No	No	No		NA
2298	Turbine Delivery Route Option 3A	Clare	91075	TDR 25m intervals	557760.90	669085.98	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6845.19	No	No	No	No	No		NA
2299	Turbine Delivery Route Option 3A	Clare	37025	TDR 25m intervals	557749.90	669108.43	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6820.44	No	No	No	No	No		NA
2300	Turbine Delivery Route Option 3A	Clare	92600	TDR 25m intervals	557739.02	669130.93	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6795.68	No	No	No	No	No		NA
2301	Turbine Delivery Route Option 3A	Clare	92525	TDR 25m intervals	557729.11	669153.89	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6770.79	No	No	No	No	No		NA
2302	Turbine Delivery Route Option 3A	Clare	37000	TDR 25m intervals	557719.20	669176.84	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6745.91	No	No	No	No	No		NA
2303	Turbine Delivery Route Option 3A	Clare	92450	TDR 25m intervals	557709.29	669199.79	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6721.02	No	No	No	No	No		NA
2304	Turbine Delivery Route Option 3A	Clare	92900	TDR 25m intervals	557699.39	669222.75	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6696.14	No	No	No	No	No		NA
2305	Turbine Delivery Route Option 3A	Clare	92400	TDR 25m intervals	557691.03	669246.18	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6671.26	No	No	No	No	No		NA
2306	Turbine Delivery Route Option 3A	Clare	81675	TDR 25m intervals	557686.07	669270.69	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6646.41	No	No	No	No	No		NA
2307	Turbine Delivery Route Option 3A	Clare	92350	TDR 25m intervals	557681.11	669295.19	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6621.56	No	No	No	No	No		NA
2308	Turbine Delivery Route Option 3A	Clare	91325	TDR 25m intervals	557676.31	669319.72	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6596.73	No	No	No	No	No		NA
2309	Turbine Delivery Route Option 3A	Clare	36950	TDR 25m intervals	557671.52	669344.26	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6571.90	No	No	No	No	No		NA
2310	Turbine Delivery Route Option 3A	Clare	91375	TDR 25m intervals	557666.73	669368.80	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6547.07	No	No	No	No	No		NA
2311	Turbine Delivery Route Option 3A	Clare	81700	TDR 25m intervals	557661.94	669393.34	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6522.24	No	No	No	No	No		NA
2312	Turbine Delivery Route Option 3A	Clare	92225	TDR 25m intervals	557657.15	669417.87	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6497.42	No	No	No	No	No		NA
2313	Turbine Delivery Route Option 3A	Clare	91450	TDR 25m intervals	557651.73	669442.28	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6472.52	No	No	No	No	No		NA
2314	Turbine Delivery Route Option 3A	Clare	36925	TDR 25m intervals	557646.22	669466.66	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Rock near surface or karst (X)	<1m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	6447.62	No	No	No	No	No		NA
2315	Turbine Delivery Route Option 3A	Clare	92150	TDR 25m intervals	557640.71	669491.05	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Rock near surface or karst (X)	<1m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	6422.72	No	No	No	No	No		NA
2316	Turbine Delivery Route Option 3A	Clare	92125	TDR 25m intervals	557635.20	669515.43	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6397.82	No	No	No	No	No		NA
2317	Turbine Delivery Route Option 3A	Clare	92975	TDR 25m intervals	557629.69	669539.82	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6372.92	No	No	No	No	No		NA
2318	Turbine Delivery Route Option 3A	Clare	92050	TDR 25m intervals	557625.58	669564.47	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6348.20	No	No	No	No	No		NA
2319	Turbine Delivery Route Option 3A	Clare	92025	TDR 25m intervals	557621.53	669589.14	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6323.49	No	No	No	No	No		NA
2320	Turbine Delivery Route Option 3A	Clare	91625	TDR 25m intervals	557617.49	669613.82	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6298.78	No	No	No	No	No		NA
2321	Turbine Delivery Route Option 3A	Clare	81750	TDR 25m intervals	557613.53	669638.50	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6274.09	No	No	No	No	No		NA
2322	Turbine Delivery Route Option 3A	Clare	91700	TDR 25m intervals	557612.30	669663.47	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6249.97	No	No	No	No	No		NA
2323	Turbine Delivery Route Option 3A	Clare	91875	TDR 25m intervals	557611.06	669688.43	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6225.87	No	No	No	No	No		NA
2324	Turbine Delivery Route Option 3A	Clare	91850	TDR 25m intervals	557609.82	669713.40	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6201.77	No	No	No	No	No		NA
2325	Turbine Delivery Route Option 3A	Clare	91825	TDR 25m intervals	557608.58	669738.37	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6177.67	No	No	No	No	No		NA
2326	Turbine Delivery Route Option 3A	Clare	93000	TDR 25m intervals	557607.34	669763.34	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6153.59	No	No	No	No	No		NA
2327	Turbine Delivery Route Option 3A	Clare	91775	TDR 25m intervals	557607.37	669788.30	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6129.92	No	No	No	No	No		NA
2328	Turbine Delivery Route Option 3A	Clare	91750	TDR 25m intervals	557609.03	669813.25	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6106.80	No	No	No	No	No		NA
2329	Turbine Delivery Route Option 3A	Clare	91725	TDR 25m intervals	557610.70	669838.19	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6083.70	No	No	No	No	No		NA
2330	Turbine Delivery Route Option 3A	Clare	91675	TDR 25m intervals	557612.36	669863.14	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6060.61	No	No	No	No	No		NA

Appendix 10.3 - Baseline Database -Turbine Delivery Route, Option 3A
Oatfield WF, Co. Clare

Project Ref. 604569
Prepared by: Cca / DW
Date: 17/11/2023
File Ref: 604569-Geo-R03-App10.3-(00)-Baseline Database -Turbine Delivery Route

	TDR		Assessment Location		Grid Coordinates (ITM)		Construction Details		Surface Water				Groundwater / Bedrock Aquifer						Groundwater / Wells / Abstraction		Designated Areas			Assessment Graphics / Comment	
Row No.	Turbine Delivery Route (TDR)	County	Location ID	Assessment Location Category	Easting	Northing	Type of Water Crossing / Construction Activity	Approximate Construction Depth (Excavation / Drilling) Depth Relative to Ground Level)	SW 50m Buffer	Receptor Category (Mapped river = EPA / WFD mapped)	River basins	Subcatchments	Aquifer Vulnerability	Potential Depth to Bedrock (acc. To GSI categories)	GW Aquifer Type	Excavation in or near Bedrock (In line with GSI mapped Aquifer Vulnerability)	Karst 25m buffer	Distance to Karst Feature	GW Abstraction 250m Buffer	Groundwater Source Protection Area NFGWS	SAC 50m Buffer	SPA 50m Buffer	Within SAC / SPA / NHA ?	Map Tile Number	Comments & MITIGATION MEASURES
					ITM	ITM		mbGL	50m										250m						
2331	Turbine Delivery Route Option 3A	Clare	91925	TDR 25m intervals	557614.02	669888.08	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6037.53	No	No	No	No	No		NA
2332	Turbine Delivery Route Option 3A	Clare	91650	TDR 25m intervals	557615.68	669913.02	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6014.47	No	No	No	No	No		NA
2333	Turbine Delivery Route Option 3A	Clare	91975	TDR 25m intervals	557617.34	669937.97	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5991.43	No	No	No	No	No		NA
2334	Turbine Delivery Route Option 3A	Clare	91600	TDR 25m intervals	557620.21	669962.80	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5968.90	No	No	No	No	No		NA
2335	Turbine Delivery Route Option 3A	Clare	36900	TDR 25m intervals	557623.08	669987.64	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5946.39	No	No	No	No	No		NA
2336	Turbine Delivery Route Option 3A	Clare	91575	TDR 25m intervals	557625.95	670012.47	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5923.90	No	No	No	No	No		NA
2337	Turbine Delivery Route Option 3A	Clare	92075	TDR 25m intervals	557628.82	670037.31	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5901.43	No	No	No	No	No		NA
2338	Turbine Delivery Route Option 3A	Clare	91550	TDR 25m intervals	557631.69	670062.14	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5878.99	No	No	No	No	No		NA
2339	Turbine Delivery Route Option 3A	Clare	92100	TDR 25m intervals	557635.07	670086.90	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5856.81	No	No	No	No	No		NA
2340	Turbine Delivery Route Option 3A	Clare	91525	TDR 25m intervals	557639.97	670111.41	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5835.39	No	No	No	No	No		NA
2341	Turbine Delivery Route Option 3A	Clare	91475	TDR 25m intervals	557644.87	670135.93	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5814.00	No	No	No	No	No		NA
2342	Turbine Delivery Route Option 3A	Clare	92200	TDR 25m intervals	557649.76	670160.44	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5792.64	No	No	No	No	No		NA
2343	Turbine Delivery Route Option 3A	Clare	92950	TDR 25m intervals	557654.66	670184.96	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5771.31	No	No	No	No	No		NA
2344	Turbine Delivery Route Option 3A	Clare	91425	TDR 25m intervals	557659.56	670209.48	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5750.01	No	No	No	No	No		NA
2345	Turbine Delivery Route Option 3A	Clare	91400	TDR 25m intervals	557664.45	670233.99	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5728.74	No	No	No	No	No		NA
2346	Turbine Delivery Route Option 3A	Clare	91350	TDR 25m intervals	557669.35	670258.51	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5707.50	No	No	No	No	No		NA
2347	Turbine Delivery Route Option 3A	Clare	92325	TDR 25m intervals	557674.25	670283.02	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5686.29	No	No	No	No	No		NA
2348	Turbine Delivery Route Option 3A	Clare	92925	TDR 25m intervals	557679.14	670307.54	NA	NA	No	NA	MOUNTRICE_010	Shannon[Lower]_SC_100	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5665.11	No	No	No	No	No		NA
2349	Turbine Delivery Route Option 3A	Clare	91300	TDR 25m intervals	557684.62	670331.92	NA	NA	No	NA	BROADFORD_030	Owenogarney_SC_010	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5644.30	No	No	No	No	No		NA
2350	Turbine Delivery Route Option 3A	Clare	36975	TDR 25m intervals	557691.28	670356.01	NA	NA	No	NA	BROADFORD_030	Owenogarney_SC_010	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5624.21	No	No	No	No	No		NA
2351	Turbine Delivery Route Option 3A	Clare	92425	TDR 25m intervals	557697.94	670380.11	NA	NA	No	NA	BROADFORD_030	Owenogarney_SC_010	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5604.17	No	No	No	No	No		NA
2352	Turbine Delivery Route Option 3A	Clare	91225	TDR 25m intervals	557704.60	670404.21	NA	NA	No	NA	BROADFORD_030	Owenogarney_SC_010	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5584.16	No	No	No	No	No		NA
2353	Turbine Delivery Route Option 3A	Clare	92475	TDR 25m intervals	557711.26	670428.30	NA	NA	No	NA	BROADFORD_030	Owenogarney_SC_010	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5564.19	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2354	Turbine Delivery Route Option 3A	Clare	91175	TDR 25m intervals	557717.92	670452.40	NA	NA	No	NA	BROADFORD_030	Owenogarney_SC_010	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5544.27	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2355	Turbine Delivery Route Option 3A	Clare	92875	TDR 25m intervals	557724.60	670476.49	NA	NA	No	NA	BROADFORD_030	Owenogarney_SC_010	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5524.40	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2356	Turbine Delivery Route Option 3A	Clare	81625	TDR 25m intervals	557731.66	670500.47	NA	NA	No	NA	BROADFORD_030	Owenogarney_SC_010	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5504.80	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2357	Turbine Delivery Route Option 3A	Clare	91125	TDR 25m intervals	557738.71	670524.46	NA	NA	No	NA	BROADFORD_030	Owenogarney_SC_010	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5485.26	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2358	Turbine Delivery Route Option 3A	Clare	92850	TDR 25m intervals	557744.73	670548.72	NA	NA	No	NA	BROADFORD_030	Owenogarney_SC_010	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5465.11	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2359	Turbine Delivery Route Option 3A	Clare	91100	TDR 25m intervals	557753.63	670571.72	NA	NA	No	NA	BROADFORD_030	Owenogarney_SC_010	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5447.26	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2360	Turbine Delivery Route Option 3A	Clare	92650	TDR 25m intervals	557766.83	670592.95	NA	NA	No	NA	BROADFORD_030	Owenogarney_SC_010	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5432.77	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2361	Turbine Delivery Route Option 3A	Clare	81575	TDR 25m intervals	557779.55	670614.45	NA	NA	No	NA	BROADFORD_030	Owenogarney_SC_010	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5417.92	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2362	Turbine Delivery Route Option 3A	Clare	92700	TDR 25m intervals	557790.44	670636.95	NA	NA	No	NA	BROADFORD_030	Owenogarney_SC_010	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5401.51	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2363	Turbine Delivery Route Option 3A	Clare	92750	TDR 25m intervals	557799.78	670660.13	NA	NA	No	NA	BROADFORD_030	Owenogarney_SC_010	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5383.92	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2364	Turbine Delivery Route Option 3A	Clare	91000	TDR 25m intervals	557801.90	670684.92	NA	NA	No	NA	BROADFORD_030	Owenogarney_SC_010	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5362.02	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2365	Turbine Delivery Route Option 3A	Clare	92725	TDR 25m intervals	557798.74	670709.23	NA	NA	No	NA	BROADFORD_030	Owenogarney_SC_010	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5338.47	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone

Appendix 10.3 - Baseline Database -Turbine Delivery Route, Option 3A
Oatfield WF, Co. Clare

Project Ref. 604569
Prepared by: Cca / DW
Date: 17/11/2023
File Ref: 604569-Geo-R03-App10.3-(00)-Baseline Database -Turbine Delivery Route

	TDR		Assessment Location		Grid Coordinates (ITM)		Construction Details		Surface Water				Groundwater / Bedrock Aquifer						Groundwater / Wells / Abstraction		Designated Areas			Assessment Graphics / Comment	
Row No.	Turbine Delivery Route (TDR)	County	Location ID	Assessment Location Category	Easting	Northing	Type of Water Crossing / Construction Activity	Approximate Construction Depth (Excavation / Drilling) Depth Relative to Ground Level)	SW 50m Buffer	Receptor Category (Mapped river = EPA / WFD mapped)	River basins	Subcatchments	Aquifer Vulnerability	Potential Depth to Bedrock (acc. To GSI categories)	GW Aquifer Type	Excavation in or near Bedrock (In line with GSI mapped Aquifer Vulnerability)	Karst 25m buffer	Distance to Karst Feature	GW Abstraction 250m Buffer	Groundwater Source Protection Area NFGWS	SAC 50m Buffer	SPA 50m Buffer	Within SAC / SPA / NHA ?	Map Tile Number	Comments & MITIGATION MEASURES
					ITM	ITM		mbGL	50m										250m						
2366	Turbine Delivery Route Option 3A	Clare	92775	TDR 25m intervals	557789.05	670732.05	NA	NA	No	NA	BROADFORD_030	Owenogarney_SC_010	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5313.68	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2367	Turbine Delivery Route Option 3A	Clare	91050	TDR 25m intervals	557773.15	670751.34	NA	NA	No	NA	BROADFORD_030	Owenogarney_SC_010	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5289.63	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2368	Turbine Delivery Route Option 3A	Clare	81600	TDR 25m intervals	557756.11	670769.59	NA	NA	No	NA	BROADFORD_030	Owenogarney_SC_010	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5266.09	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2369	Turbine Delivery Route Option 3A	Clare	92575	TDR 25m intervals	557737.69	670786.17	NA	NA	No	NA	BROADFORD_030	Owenogarney_SC_010	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5243.57	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2370	Turbine Delivery Route Option 3A	Clare	92500	TDR 25m intervals	557714.50	670795.50	NA	NA	No	NA	BROADFORD_030	Owenogarney_SC_010	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5225.84	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2371	Turbine Delivery Route Option 3A	Clare	91250	TDR 25m intervals	557691.20	670804.56	NA	NA	No	NA	BROADFORD_030	Owenogarney_SC_010	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5208.37	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2372	Turbine Delivery Route Option 3A	Clare	92300	TDR 25m intervals	557667.68	670813.01	NA	NA	No	NA	BROADFORD_030	Owenogarney_SC_010	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5191.45	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2373	Turbine Delivery Route Option 3A	Clare	92175	TDR 25m intervals	557643.15	670817.77	NA	NA	No	NA	BROADFORD_030	Owenogarney_SC_010	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5177.61	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2374	Turbine Delivery Route Option 3A	Clare	92000	TDR 25m intervals	557618.57	670822.34	NA	NA	No	NA	BROADFORD_030	Owenogarney_SC_010	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5164.01	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2375	Turbine Delivery Route Option 3A	Clare	91800	TDR 25m intervals	557593.60	670823.46	NA	NA	No	NA	BROADFORD_030	Owenogarney_SC_010	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5153.55	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2376	Turbine Delivery Route Option 3A	Clare	36850	TDR 25m intervals	557568.62	670824.41	NA	NA	No	NA	BROADFORD_030	Owenogarney_SC_010	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5143.35	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2377	Turbine Delivery Route Option 3A	Clare	36825	TDR 25m intervals	557543.62	670824.75	NA	NA	No	NA	BROADFORD_030	Owenogarney_SC_010	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5133.80	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2378	Turbine Delivery Route Option 3A	Clare	36800	TDR 25m intervals	557518.63	670825.32	NA	NA	No	NA	BROADFORD_030	Owenogarney_SC_010	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5124.16	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2379	Turbine Delivery Route Option 3A	Clare	36775	TDR 25m intervals	557493.67	670826.73	NA	NA	No	NA	BROADFORD_030	Owenogarney_SC_010	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5113.84	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2380	Turbine Delivery Route Option 3A	Clare	47350	TDR 25m intervals	565824.50	667202.45	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6474.69	No	No	No	No	No		NA
2381	Turbine Delivery Route Option 3A	Clare	47325	TDR 25m intervals	565800.61	667195.08	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6454.33	No	No	No	No	No		NA
2382	Turbine Delivery Route Option 3A	Clare	47275	TDR 25m intervals	565777.23	667186.38	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6433.24	No	No	No	No	No		NA
2383	Turbine Delivery Route Option 3A	Clare	47250	TDR 25m intervals	565754.42	667176.14	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6411.30	No	No	No	No	No		NA
2384	Turbine Delivery Route Option 3A	Clare	47225	TDR 25m intervals	565731.61	667165.90	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6389.39	No	No	No	No	No		NA
2385	Turbine Delivery Route Option 3A	Clare	47200	TDR 25m intervals	565709.74	667154.13	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6366.84	No	No	No	No	No		NA
2386	Turbine Delivery Route Option 3A	Clare	47175	TDR 25m intervals	565690.23	667138.50	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6342.62	No	No	No	No	No		NA
2387	Turbine Delivery Route Option 3A	Clare	47150	TDR 25m intervals	565670.72	667122.86	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6318.41	No	No	No	No	No		NA
2388	Turbine Delivery Route Option 3A	Clare	71425	TDR 25m intervals	565654.50	667103.97	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6293.57	No	No	No	No	No		NA
2389	Turbine Delivery Route Option 3A	Clare	47125	TDR 25m intervals	565639.05	667084.32	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6268.57	No	No	No	No	No		NA
2390	Turbine Delivery Route Option 3A	Clare	47100	TDR 25m intervals	565623.59	667064.67	NA	NA	No	NA	BRIDGETOWN (CLARE)_010	Shannon[Lower]_SC_080	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6243.57	No	No	No	No	No		NA
2391	Turbine Delivery Route Option 3A	Clare	71525	TDR 25m intervals	565608.14	667045.02	NA	NA	No	NA	BRIDGETOWN (CLARE)_010	Shannon[Lower]_SC_080	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6218.58	No	No	No	No	No		NA
2392	Turbine Delivery Route Option 3A	Clare	47075	TDR 25m intervals	565592.68	667025.37	NA	NA	No	NA	BRIDGETOWN (CLARE)_010	Shannon[Lower]_SC_080	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6193.58	No	No	No	No	No		NA
2393	Turbine Delivery Route Option 3A	Clare	47050	TDR 25m intervals	565577.23	667005.72	NA	NA	No	NA	BRIDGETOWN (CLARE)_010	Shannon[Lower]_SC_080	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6168.59	No	No	No	No	No		NA
2394	Turbine Delivery Route Option 3A	Clare	47025	TDR 25m intervals	565561.77	666986.07	NA	NA	No	NA	BRIDGETOWN (CLARE)_010	Shannon[Lower]_SC_080	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6143.59	No	No	No	No	No		NA
2395	Turbine Delivery Route Option 3A	Clare	71625	TDR 25m intervals	565546.32	666966.42	NA	NA	No	NA	BRIDGETOWN (CLARE)_010	Shannon[Lower]_SC_080	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6118.59	No	No	No	No	No		NA
2396	Turbine Delivery Route Option 3A	Clare	47000	TDR 25m intervals	565530.86	666946.77	NA	NA	No	NA	BRIDGETOWN (CLARE)_010	Shannon[Lower]_SC_080	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6093.60	No	No	No	No	No		NA
2397	Turbine Delivery Route Option 3A	Clare	46975	TDR 25m intervals	565515.40	666927.12	NA	NA	No	NA	BRIDGETOWN (CLARE)_010	Shannon[Lower]_SC_080	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6068.60	No	No	No	No	No		NA
2398	Turbine Delivery Route Option 3A	Clare	46950	TDR 25m intervals	565501.32	666906.48	NA	NA	No	NA	BRIDGETOWN (CLARE)_010	Shannon[Lower]_SC_080	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6043.63	No	No	No	No	No		NA
2399	Turbine Delivery Route Option 3A	Clare	46925	TDR 25m intervals	565487.46	666885.67	NA	NA	No	NA	BRIDGETOWN (CLARE)_010	Shannon[Lower]_SC_080	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6018.66	No	No	No	No	No		NA
2400	Turbine Delivery Route Option 3A	Clare	71725	TDR 25m intervals	565473.60	666864.86	NA	NA	No	NA	BRIDGETOWN (CLARE)_010	Shannon[Lower]_SC_080	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5993.69	No	No	No	No	No		NA

Appendix 10.3 - Baseline Database -Turbine Delivery Route, Option 3A
Oatfield WF, Co. Clare

Project Ref. 604569
Prepared by: Cca / DW
Date: 17/11/2023
File Ref: 604569-Geo-R03-App10.3-(00)-Baseline Database -Turbine Delivery Route

	TDR		Assessment Location		Grid Coordinates (ITM)		Construction Details		Surface Water				Groundwater / Bedrock Aquifer						Groundwater / Wells / Abstraction		Designated Areas			Assessment Graphics / Comment	
Row No.	Turbine Delivery Route (TDR)	County	Location ID	Assessment Location Category	Easting	Northing	Type of Water Crossing / Construction Activity	Approximate Construction Depth (Excavation / Drilling) Depth Relative to Ground Level)	SW 50m Buffer	Receptor Category (Mapped river = EPA / WFD mapped)	River basins	Subcatchments	Aquifer Vulnerability	Potential Depth to Bedrock (acc. To GSI categories)	GW Aquifer Type	Excavation in or near Bedrock (In line with GSI mapped Aquifer Vulnerability)	Karst 25m buffer	Distance to Karst Feature	GW Abstraction 250m Buffer	Groundwater Source Protection Area NFGWS	SAC 50m Buffer	SPA 50m Buffer	Within SAC / SPA / NHA ?	Map Tile Number	Comments & MITIGATION MEASURES
					ITM	ITM		mbGL	50m										250m						
2401	Turbine Delivery Route Option 3A	Clare	46900	TDR 25m intervals	565463.61	666841.96	NA	NA	No	NA	BRIDGETOWN (CLARE)_010	Shannon[Lower]_SC_080	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5969.36	No	No	No	No	No		NA
2402	Turbine Delivery Route Option 3A	Clare	71775	TDR 25m intervals	565454.42	666818.74	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5945.27	No	No	No	No	No		NA
2403	Turbine Delivery Route Option 3A	Clare	46875	TDR 25m intervals	565447.48	666794.73	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5921.89	No	No	No	No	No		NA
2404	Turbine Delivery Route Option 3A	Clare	71825	TDR 25m intervals	565440.55	666770.71	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5898.53	No	No	No	No	No		NA
2405	Turbine Delivery Route Option 3A	Clare	71875	TDR 25m intervals	565432.11	666747.18	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5874.66	No	No	No	No	No		NA
2406	Turbine Delivery Route Option 3A	Clare	46850	TDR 25m intervals	565423.66	666723.65	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5850.80	No	No	No	No	No		NA
2407	Turbine Delivery Route Option 3A	Clare	71925	TDR 25m intervals	565415.22	666700.12	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5826.95	No	No	No	No	No		NA
2408	Turbine Delivery Route Option 3A	Clare	46825	TDR 25m intervals	565406.77	666676.59	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5803.11	No	No	No	No	No		NA
2409	Turbine Delivery Route Option 3A	Clare	71975	TDR 25m intervals	565399.17	666652.78	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5779.57	No	No	No	No	No		NA
2410	Turbine Delivery Route Option 3A	Clare	46800	TDR 25m intervals	565392.21	666628.77	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5756.28	No	No	No	No	No		NA
2411	Turbine Delivery Route Option 3A	Clare	72000	TDR 25m intervals	565385.25	666604.76	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5732.99	No	No	No	No	No		NA
2412	Turbine Delivery Route Option 3A	Clare	46775	TDR 25m intervals	565379.33	666580.48	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5710.15	No	No	No	No	No		NA
2413	Turbine Delivery Route Option 3A	Clare	72050	TDR 25m intervals	565373.95	666556.07	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5687.55	No	No	No	No	No		NA
2414	Turbine Delivery Route Option 3A	Clare	72075	TDR 25m intervals	565368.57	666531.65	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5664.97	No	No	No	No	No		NA
2415	Turbine Delivery Route Option 3A	Clare	46750	TDR 25m intervals	565362.97	666507.29	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5642.31	No	No	No	No	No		NA
2416	Turbine Delivery Route Option 3A	Clare	72125	TDR 25m intervals	565356.69	666483.09	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5619.38	No	No	No	No	No		NA
2417	Turbine Delivery Route Option 3A	Clare	46725	TDR 25m intervals	565348.99	666459.32	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5595.92	No	No	No	No	No		NA
2418	Turbine Delivery Route Option 3A	Clare	72175	TDR 25m intervals	565341.06	666435.61	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5572.39	No	No	No	No	No		NA
2419	Turbine Delivery Route Option 3A	Clare	46700	TDR 25m intervals	565328.58	666413.98	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5547.68	No	No	No	No	No		NA
2420	Turbine Delivery Route Option 3A	Clare	46675	TDR 25m intervals	565314.23	666393.53	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5522.73	No	No	No	No	No		NA
2421	Turbine Delivery Route Option 3A	Clare	46650	TDR 25m intervals	565297.86	666374.82	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5497.90	No	No	No	No	No		NA
2422	Turbine Delivery Route Option 3A	Clare	46600	TDR 25m intervals	565278.74	666358.73	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5473.42	No	No	No	No	No		NA
2423	Turbine Delivery Route Option 3A	Clare	46575	TDR 25m intervals	565258.20	666344.55	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5449.56	No	No	No	No	No		NA
2424	Turbine Delivery Route Option 3A	Clare	46525	TDR 25m intervals	565236.38	666332.64	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5426.72	No	No	No	No	No		NA
2425	Turbine Delivery Route Option 3A	Clare	46475	TDR 25m intervals	565212.62	666324.87	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5405.96	No	No	No	No	No		NA
2426	Turbine Delivery Route Option 3A	Clare	46400	TDR 25m intervals	565188.86	666317.10	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5385.23	No	No	No	No	No		NA
2427	Turbine Delivery Route Option 3A	Clare	46350	TDR 25m intervals	565165.10	666309.31	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5364.53	No	No	No	No	No		NA
2428	Turbine Delivery Route Option 3A	Clare	46250	TDR 25m intervals	565141.35	666301.52	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5343.86	No	No	No	No	No		NA
2429	Turbine Delivery Route Option 3A	Clare	45600	TDR 25m intervals	565117.72	666293.36	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5323.02	No	No	No	No	No		NA
2430	Turbine Delivery Route Option 3A	Clare	45500	TDR 25m intervals	565094.20	666284.87	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5302.02	No	No	No	No	No		NA
2431	Turbine Delivery Route Option 3A	Clare	45425	TDR 25m intervals	565072.58	666272.65	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5279.22	No	No	No	No	No		NA
2432	Turbine Delivery Route Option 3A	Clare	45375	TDR 25m intervals	565053.60	666256.41	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5254.82	No	No	No	No	No		NA
2433	Turbine Delivery Route Option 3A	Clare	45325	TDR 25m intervals	565037.06	666237.66	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5229.89	No	No	No	No	No		NA
2434	Turbine Delivery Route Option 3A	Clare	45300	TDR 25m intervals	565021.16	666218.38	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5204.91	No	No	No	No	No		NA
2435	Turbine Delivery Route Option 3A	Clare	45250	TDR 25m intervals	565005.11	666199.21	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5179.94	No	No	No	No	No		NA

Appendix 10.3 - Baseline Database -Turbine Delivery Route, Option 3A
Oatfield WF, Co. Clare

Project Ref. 604569
Prepared by: Cca / DW
Date: 17/11/2023
File Ref: 604569-Geo-R03-App10.3-(00)-Baseline Database -Turbine Delivery Route

	TDR		Assessment Location		Grid Coordinates (ITM)		Construction Details		Surface Water				Groundwater / Bedrock Aquifer						Groundwater / Wells / Abstraction		Designated Areas			Assessment Graphics / Comment	
Row No.	Turbine Delivery Route (TDR)	County	Location ID	Assessment Location Category	Easting	Northing	Type of Water Crossing / Construction Activity	Approximate Construction Depth (Excavation / Drilling) Depth Relative to Ground Level)	SW 50m Buffer	Receptor Category (Mapped river = EPA / WFD mapped)	River basins	Subcatchments	Aquifer Vulnerability	Potential Depth to Bedrock (acc. To GSI categories)	GW Aquifer Type	Excavation in or near Bedrock (In line with GSI mapped Aquifer Vulnerability)	Karst 25m buffer	Distance to Karst Feature	GW Abstraction 250m Buffer	Groundwater Source Protection Area NFGWS	SAC 50m Buffer	SPA 50m Buffer	Within SAC / SPA / NHA ?	Map Tile Number	Comments & MITIGATION MEASURES
					ITM	ITM		mbGL	50m										250m						
2436	Turbine Delivery Route Option 3A	Clare	45225	TDR 25m intervals	564989.01	666180.08	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5154.97	No	No	No	No	No		NA
2437	Turbine Delivery Route Option 3A	Clare	45200	TDR 25m intervals	564972.70	666161.14	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5130.02	No	No	No	No	No		NA
2438	Turbine Delivery Route Option 3A	Clare	45175	TDR 25m intervals	564956.12	666142.43	NA	NA	Yes	SHANNON (LOWER)_050	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5105.10	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
2439	Turbine Delivery Route Option 3A	Clare	45125	TDR 25m intervals	564939.53	666123.72	NA	NA	Yes	SHANNON (LOWER)_050	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5080.18	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
2440	Turbine Delivery Route Option 3A	Clare		TDR_WCC_144	564926.96	666107.37	WCC	NA	Yes	SHANNON (LOWER)_050	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5080.18	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
2441	Turbine Delivery Route Option 3A	Clare	45100	TDR 25m intervals	564923.12	666104.88	NA	NA	Yes	SHANNON (LOWER)_050	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5055.25	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
2442	Turbine Delivery Route Option 3A	Clare	45075	TDR 25m intervals	564908.96	666084.28	NA	NA	Yes	SHANNON (LOWER)_050	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5030.27	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
2443	Turbine Delivery Route Option 3A	Clare	45050	TDR 25m intervals	564894.79	666063.68	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5005.29	No	No	No	No	No		NA
2444	Turbine Delivery Route Option 3A	Clare	72800	TDR 25m intervals	564881.85	666042.31	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	4980.42	No	No	No	No	No		NA
2445	Turbine Delivery Route Option 3A	Clare	45025	TDR 25m intervals	564869.66	666020.49	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	4955.66	No	No	No	No	No		NA
2446	Turbine Delivery Route Option 3A	Clare	45000	TDR 25m intervals	564858.41	665998.16	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	4931.05	No	No	No	No	No		NA
2447	Turbine Delivery Route Option 3A	Clare	72875	TDR 25m intervals	564847.16	665975.84	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	4906.45	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2448	Turbine Delivery Route Option 3A	Clare	44975	TDR 25m intervals	564835.90	665953.52	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	4881.86	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2449	Turbine Delivery Route Option 3A	Clare	44950	TDR 25m intervals	564824.39	665931.34	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	4857.23	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2450	Turbine Delivery Route Option 3A	Clare	72950	TDR 25m intervals	564810.59	665910.50	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	4832.27	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2451	Turbine Delivery Route Option 3A	Clare	44925	TDR 25m intervals	564796.78	665889.66	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	4807.32	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2452	Turbine Delivery Route Option 3A	Clare	44900	TDR 25m intervals	564783.77	665868.31	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	4782.45	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2453	Turbine Delivery Route Option 3A	Clare	73025	TDR 25m intervals	564774.31	665845.45	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	4758.53	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2454	Turbine Delivery Route Option 3A	Clare	73075	TDR 25m intervals	564769.98	665820.96	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	4736.44	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2455	Turbine Delivery Route Option 3A	Clare	73100	TDR 25m intervals	564768.75	665795.99	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	4715.89	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2456	Turbine Delivery Route Option 3A	Clare	73125	TDR 25m intervals	564767.56	665771.01	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	4695.41	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2457	Turbine Delivery Route Option 3A	Clare	44875	TDR 25m intervals	564764.12	665746.40	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	4673.87	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2458	Turbine Delivery Route Option 3A	Clare	73150	TDR 25m intervals	564757.34	665722.35	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	4650.74	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2459	Turbine Delivery Route Option 3A	Clare	44850	TDR 25m intervals	564746.33	665700.00	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	4626.35	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2460	Turbine Delivery Route Option 3A	Clare	73225	TDR 25m intervals	564732.52	665679.16	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	4601.44	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2461	Turbine Delivery Route Option 3A	Clare	44825	TDR 25m intervals	564717.20	665659.45	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	4576.47	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2462	Turbine Delivery Route Option 3A	Clare	44800	TDR 25m intervals	564698.70	665642.65	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	4551.82	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2463	Turbine Delivery Route Option 3A	Clare	44775	TDR 25m intervals	564678.97	665627.31	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	4527.58	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2464	Turbine Delivery Route Option 3A	Clare	44750	TDR 25m intervals	564657.59	665614.46	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	4504.29	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2465	Turbine Delivery Route Option 3A	Clare	44725	TDR 25m intervals	564635.09	665603.67	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	4481.95	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2466	Turbine Delivery Route Option 3A	Clare	44700	TDR 25m intervals	564611.95	665594.19	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	4460.29	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2467	Turbine Delivery Route Option 3A	Clare	44675	TDR 25m intervals	564589.27	665583.68	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	4438.14	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2468	Turbine Delivery Route Option 3A	Clare	44650	TDR 25m intervals	564566.61	665573.13	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	4415.98	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2469	Turbine Delivery Route Option 3A	Clare	44625	TDR 25m intervals	564543.94	665562.57	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	4393.85	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2470	Turbine Delivery Route Option 3A	Clare	44600	TDR 25m intervals	564521.97	665550.68	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	4371.11	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone

Appendix 10.3 - Baseline Database -Turbine Delivery Route, Option 3A
Oatfield WF, Co. Clare

Project Ref. 604569
Prepared by: Cca / DW
Date: 17/11/2023
File Ref: 604569-Geo-R03-App10.3-(00)-Baseline Database -Turbine Delivery Route

	TDR		Assessment Location		Grid Coordinates (ITM)		Construction Details		Surface Water				Groundwater / Bedrock Aquifer						Groundwater / Wells / Abstraction		Designated Areas			Assessment Graphics / Comment	
Row No.	Turbine Delivery Route (TDR)	County	Location ID	Assessment Location Category	Easting	Northing	Type of Water Crossing / Construction Activity	Approximate Construction Depth (Excavation / Drilling) Depth Relative to Ground Level)	SW 50m Buffer	Receptor Category (Mapped river = EPA / WFD mapped)	River basins	Subcatchments	Aquifer Vulnerability	Potential Depth to Bedrock (acc. To GSI categories)	GW Aquifer Type	Excavation in or near Bedrock (In line with GSI mapped Aquifer Vulnerability)	Karst 25m buffer	Distance to Karst Feature	GW Abstraction 250m Buffer	Groundwater Source Protection Area NFGWS	SAC 50m Buffer	SPA 50m Buffer	Within SAC / SPA / NHA ?	Map Tile Number	Comments & MITIGATION MEASURES
					ITM	ITM		mbGL	50m										250m						
2471	Turbine Delivery Route Option 3A	Clare	44575	TDR 25m intervals	564500.26	665538.28	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	4348.14	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2472	Turbine Delivery Route Option 3A	Clare	44550	TDR 25m intervals	564479.88	665523.82	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	4324.34	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2473	Turbine Delivery Route Option 3A	Clare	44525	TDR 25m intervals	564461.32	665507.24	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	4299.95	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2474	Turbine Delivery Route Option 3A	Clare	73575	TDR 25m intervals	564444.52	665488.74	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	4275.06	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2475	Turbine Delivery Route Option 3A	Clare	44500	TDR 25m intervals	564428.93	665469.21	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	4250.09	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2476	Turbine Delivery Route Option 3A	Clare	44475	TDR 25m intervals	564413.98	665449.18	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	4225.08	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2477	Turbine Delivery Route Option 3A	Clare	73625	TDR 25m intervals	564399.03	665429.14	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	4200.08	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2478	Turbine Delivery Route Option 3A	Clare	44450	TDR 25m intervals	564384.08	665409.10	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	4175.07	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2479	Turbine Delivery Route Option 3A	Clare	44425	TDR 25m intervals	564369.33	665388.92	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	4150.07	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2480	Turbine Delivery Route Option 3A	Clare	73700	TDR 25m intervals	564355.26	665368.25	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	4125.09	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2481	Turbine Delivery Route Option 3A	Clare	44400	TDR 25m intervals	564341.20	665347.59	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	4100.11	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2482	Turbine Delivery Route Option 3A	Clare	73750	TDR 25m intervals	564327.13	665326.92	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	4075.13	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2483	Turbine Delivery Route Option 3A	Clare	44375	TDR 25m intervals	564313.17	665306.18	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	4050.16	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2484	Turbine Delivery Route Option 3A	Clare	73825	TDR 25m intervals	564299.37	665285.34	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	4025.20	No	No	No	No	No		NA
2485	Turbine Delivery Route Option 3A	Clare	44350	TDR 25m intervals	564285.56	665264.49	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	4000.23	No	No	No	No	No		NA
2486	Turbine Delivery Route Option 3A	Clare	44325	TDR 25m intervals	564271.76	665243.65	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	3975.27	No	No	No	No	No		NA
2487	Turbine Delivery Route Option 3A	Clare	73875	TDR 25m intervals	564257.61	665223.07	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	3950.31	No	No	No	No	No		NA
2488	Turbine Delivery Route Option 3A	Clare		Site No. 13	564261.61	665220.08	Road widening	0.45	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	Not likely	NA	3950.31	No	No	No	No	No		NA
2489	Turbine Delivery Route Option 3A	Clare	44300	TDR 25m intervals	564241.31	665204.11	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	3925.36	No	No	No	No	No		NA
2490	Turbine Delivery Route Option 3A	Clare	44275	TDR 25m intervals	564222.99	665187.55	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	3901.12	No	No	No	No	No		NA
2491	Turbine Delivery Route Option 3A	Clare	44250	TDR 25m intervals	564201.57	665174.66	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	3877.99	No	No	No	No	No		NA
2492	Turbine Delivery Route Option 3A	Clare	73975	TDR 25m intervals	564179.73	665162.59	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	3855.28	No	No	No	No	No		NA
2493	Turbine Delivery Route Option 3A	Clare	74000	TDR 25m intervals	564156.71	665152.84	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	3833.77	No	No	No	No	No		NA
2494	Turbine Delivery Route Option 3A	Clare	44200	TDR 25m intervals	564133.69	665143.08	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	3812.31	No	No	No	No	No		NA
2495	Turbine Delivery Route Option 3A	Clare	44175	TDR 25m intervals	564110.68	665133.32	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	3790.89	No	No	No	No	No		NA
2496	Turbine Delivery Route Option 3A	Clare	44150	TDR 25m intervals	564087.66	665123.57	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	3769.51	No	No	No	No	No		NA
2497	Turbine Delivery Route Option 3A	Clare	44125	TDR 25m intervals	564064.64	665113.81	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	3748.17	No	No	No	No	No		NA
2498	Turbine Delivery Route Option 3A	Clare	44100	TDR 25m intervals	564040.82	665106.52	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	3728.43	No	No	No	No	No		NA
2499	Turbine Delivery Route Option 3A	Clare	44075	TDR 25m intervals	564016.48	665100.81	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	3709.76	No	No	No	No	No		NA
2500	Turbine Delivery Route Option 3A	Clare	44050	TDR 25m intervals	563991.80	665097.05	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	3692.56	No	No	No	No	No		NA
2501	Turbine Delivery Route Option 3A	Clare	44025	TDR 25m intervals	563966.96	665094.23	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	3676.14	No	No	No	No	No		NA
2502	Turbine Delivery Route Option 3A	Clare	44000	TDR 25m intervals	563942.12	665091.41	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	3659.82	No	No	No	No	No		NA
2503	Turbine Delivery Route Option 3A	Clare	43975	TDR 25m intervals	563917.32	665088.35	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	3643.41	No	No	No	No	No		NA
2504	Turbine Delivery Route Option 3A	Clare	43950	TDR 25m intervals	563892.78	665083.59	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	3625.82	No	No	No	No	No		NA
2505	Turbine Delivery Route Option 3A	Clare	43925	TDR 25m intervals	563868.55	665077.57	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	3607.45	No	No	No	No	No		NA

Appendix 10.3 - Baseline Database -Turbine Delivery Route, Option 3A
Oatfield WF, Co. Clare

Project Ref. 604569
Prepared by: Cca / DW
Date: 17/11/2023
File Ref: 604569-Geo-R03-App10.3-(00)-Baseline Database -Turbine Delivery Route

	TDR		Assessment Location		Grid Coordinates (ITM)		Construction Details		Surface Water				Groundwater / Bedrock Aquifer						Groundwater / Wells / Abstraction		Designated Areas			Assessment Graphics / Comment	
Row No.	Turbine Delivery Route (TDR)	County	Location ID	Assessment Location Category	Easting	Northing	Type of Water Crossing / Construction Activity	Approximate Construction Depth (Excavation / Drilling) Depth Relative to Ground Level)	SW 50m Buffer	Receptor Category (Mapped river = EPA / WFD mapped)	River basins	Subcatchments	Aquifer Vulnerability	Potential Depth to Bedrock (acc. To GSI categories)	GW Aquifer Type	Excavation in or near Bedrock (In line with GSI mapped Aquifer Vulnerability)	Karst 25m buffer	Distance to Karst Feature	GW Abstraction 250m Buffer	Groundwater Source Protection Area NFGWS	SAC 50m Buffer	SPA 50m Buffer	Within SAC / SPA / NHA ?	Map Tile Number	Comments & MITIGATION MEASURES
					ITM	ITM		mbGL	50m										250m						
2506	Turbine Delivery Route Option 3A	Clare	43900	TDR 25m intervals	563844.68	665070.13	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	3588.17	No	No	No	No	No		NA
2507	Turbine Delivery Route Option 3A	Clare	43875	TDR 25m intervals	563820.82	665062.69	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	3568.95	No	No	No	No	No		NA
2508	Turbine Delivery Route Option 3A	Clare	43850	TDR 25m intervals	563796.76	665055.95	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	3550.30	No	No	No	No	No		NA
2509	Turbine Delivery Route Option 3A	Clare	43825	TDR 25m intervals	563772.31	665050.76	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	3532.82	No	No	No	No	No		NA
2510	Turbine Delivery Route Option 3A	Clare	43800	TDR 25m intervals	563747.54	665047.36	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	3516.78	No	No	No	No	No		NA
2511	Turbine Delivery Route Option 3A	Clare	43775	TDR 25m intervals	563722.68	665045.03	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	3501.71	No	No	No	No	No		NA
2512	Turbine Delivery Route Option 3A	Clare	43750	TDR 25m intervals	563697.71	665043.80	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	3487.65	No	No	No	No	No		NA
2513	Turbine Delivery Route Option 3A	Clare	43725	TDR 25m intervals	563672.74	665042.58	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	3473.71	No	No	No	No	No		NA
2514	Turbine Delivery Route Option 3A	Clare	43700	TDR 25m intervals	563647.77	665041.33	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	3459.87	No	No	No	No	No		NA
2515	Turbine Delivery Route Option 3A	Clare	43675	TDR 25m intervals	563622.80	665039.98	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	3446.08	No	No	No	No	No		NA
2516	Turbine Delivery Route Option 3A	Clare	43650	TDR 25m intervals	563597.84	665038.63	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	3432.41	No	No	No	No	No		NA
2517	Turbine Delivery Route Option 3A	Clare	43625	TDR 25m intervals	563573.20	665034.44	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	3416.56	No	No	No	No	No		NA
2518	Turbine Delivery Route Option 3A	Clare	43600	TDR 25m intervals	563549.60	665026.51	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	3398.06	No	No	No	No	No		NA
2519	Turbine Delivery Route Option 3A	Clare	43575	TDR 25m intervals	563526.35	665017.30	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	3378.69	No	No	No	No	No		NA
2520	Turbine Delivery Route Option 3A	Clare	43550	TDR 25m intervals	563503.11	665008.09	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	3359.41	No	No	No	No	No		NA
2521	Turbine Delivery Route Option 3A	Clare	43525	TDR 25m intervals	563479.87	664998.89	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	3340.20	No	No	No	No	No		NA
2522	Turbine Delivery Route Option 3A	Clare	43500	TDR 25m intervals	563456.63	664989.68	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	3321.07	No	No	No	No	No		NA
2523	Turbine Delivery Route Option 3A	Clare	43475	TDR 25m intervals	563433.38	664980.47	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	3302.01	No	No	No	No	No		NA
2524	Turbine Delivery Route Option 3A	Clare	43450	TDR 25m intervals	563410.14	664971.26	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	3283.04	No	No	No	No	No		NA
2525	Turbine Delivery Route Option 3A	Clare	43425	TDR 25m intervals	563386.90	664962.06	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	3264.14	No	No	No	No	No		NA
2526	Turbine Delivery Route Option 3A	Clare	43400	TDR 25m intervals	563363.65	664952.85	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	3245.33	No	No	No	No	No		NA
2527	Turbine Delivery Route Option 3A	Clare	43375	TDR 25m intervals	563340.41	664943.64	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	3226.60	No	No	No	No	No		NA
2528	Turbine Delivery Route Option 3A	Clare	43350	TDR 25m intervals	563317.17	664934.43	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	3207.96	No	No	No	No	No		NA
2529	Turbine Delivery Route Option 3A	Clare	74900	TDR 25m intervals	563294.04	664924.94	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	3189.20	No	No	No	No	No		NA
2530	Turbine Delivery Route Option 3A	Clare	74925	TDR 25m intervals	563270.91	664915.45	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	3170.53	No	No	No	No	No		NA
2531	Turbine Delivery Route Option 3A	Clare	43250	TDR 25m intervals	563247.79	664905.95	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	3151.94	No	No	No	No	No		NA
2532	Turbine Delivery Route Option 3A	Clare	43225	TDR 25m intervals	563224.66	664896.46	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	3133.45	No	No	No	No	No		NA
2533	Turbine Delivery Route Option 3A	Clare	43200	TDR 25m intervals	563201.53	664886.97	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	3115.04	No	No	No	No	No		NA
2534	Turbine Delivery Route Option 3A	Clare	43175	TDR 25m intervals	563178.41	664877.47	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	3096.73	No	No	No	No	No		NA
2535	Turbine Delivery Route Option 3A	Clare	43150	TDR 25m intervals	563155.26	664868.02	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	3078.54	No	No	No	No	No		NA
2536	Turbine Delivery Route Option 3A	Clare	43125	TDR 25m intervals	563131.99	664858.89	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	3060.69	No	No	No	No	No		NA
2537	Turbine Delivery Route Option 3A	Clare	43100	TDR 25m intervals	563108.71	664849.76	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	3042.94	No	No	No	No	No		NA
2538	Turbine Delivery Route Option 3A	Clare	43075	TDR 25m intervals	563085.44	664840.63	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	3025.29	No	No	No	No	No		NA
2539	Turbine Delivery Route Option 3A	Clare	43050	TDR 25m intervals	563062.17	664831.51	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	3007.75	No	No	No	No	No		NA
2540	Turbine Delivery Route Option 3A	Clare	43000	TDR 25m intervals	563038.89	664822.38	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	2990.32	No	No	No	No	No		NA

Appendix 10.3 - Baseline Database -Turbine Delivery Route, Option 3A
Oatfield WF, Co. Clare

Project Ref. 604569
Prepared by: Cca / DW
Date: 17/11/2023
File Ref: 604569-Geo-R03-App10.3-(00)-Baseline Database -Turbine Delivery Route

	TDR		Assessment Location		Grid Coordinates (ITM)		Construction Details		Surface Water				Groundwater / Bedrock Aquifer						Groundwater / Wells / Abstraction		Designated Areas			Assessment Graphics / Comment	
Row No.	Turbine Delivery Route (TDR)	County	Location ID	Assessment Location Category	Easting	Northing	Type of Water Crossing / Construction Activity	Approximate Construction Depth (Excavation / Drilling) Depth Relative to Ground Level)	SW 50m Buffer	Receptor Category (Mapped river = EPA / WFD mapped)	River basins	Subcatchments	Aquifer Vulnerability	Potential Depth to Bedrock (acc. To GSI categories)	GW Aquifer Type	Excavation in or near Bedrock (In line with GSI mapped Aquifer Vulnerability)	Karst 25m buffer	Distance to Karst Feature	GW Abstraction 250m Buffer	Groundwater Source Protection Area NFGWS	SAC 50m Buffer	SPA 50m Buffer	Within SAC / SPA / NHA ?	Map Tile Number	Comments & MITIGATION MEASURES
					ITM	ITM		mbGL	50m										250m						
2541	Turbine Delivery Route Option 3A	Clare	42975	TDR 25m intervals	563015.62	664813.25	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	2972.99	No	No	No	No	No		NA
2542	Turbine Delivery Route Option 3A	Clare	42950	TDR 25m intervals	562992.84	664803.01	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	2954.93	No	No	No	No	No		NA
2543	Turbine Delivery Route Option 3A	Clare	42925	TDR 25m intervals	562970.60	664791.61	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	2936.08	No	No	No	No	No		NA
2544	Turbine Delivery Route Option 3A	Clare	42900	TDR 25m intervals	562949.33	664778.65	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	2916.23	No	No	No	No	No		NA
2545	Turbine Delivery Route Option 3A	Clare		Site No. 14	562944.92	664781.33	Road widening	0.45	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	Not likely	NA	2916.23	No	No	No	No	No		NA
2546	Turbine Delivery Route Option 3A	Clare	42875	TDR 25m intervals	562929.43	664763.51	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	2894.91	No	No	No	No	No		NA
2547	Turbine Delivery Route Option 3A	Clare	42850	TDR 25m intervals	562910.67	664747.12	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	2872.90	No	No	No	No	No		NA
2548	Turbine Delivery Route Option 3A	Clare	75350	TDR 25m intervals	562895.13	664727.54	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	2849.08	No	No	No	No	No		NA
2549	Turbine Delivery Route Option 3A	Clare	42825	TDR 25m intervals	562880.18	664707.51	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	2825.06	No	No	No	No	No		NA
2550	Turbine Delivery Route Option 3A	Clare	42800	TDR 25m intervals	562865.23	664687.47	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	2801.05	No	No	No	No	No		NA
2551	Turbine Delivery Route Option 3A	Clare	75450	TDR 25m intervals	562851.11	664666.85	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	2776.80	No	No	No	No	No		NA
2552	Turbine Delivery Route Option 3A	Clare	42775	TDR 25m intervals	562837.34	664645.98	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	2752.46	No	No	No	No	No		NA
2553	Turbine Delivery Route Option 3A	Clare	42750	TDR 25m intervals	562823.56	664625.12	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	2728.13	No	No	No	No	No		NA
2554	Turbine Delivery Route Option 3A	Clare	75525	TDR 25m intervals	562809.92	664604.18	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	2703.78	No	No	No	No	No		NA
2555	Turbine Delivery Route Option 3A	Clare	42725	TDR 25m intervals	562797.41	664582.53	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	2679.17	No	No	No	No	No		NA
2556	Turbine Delivery Route Option 3A	Clare	42700	TDR 25m intervals	562784.90	664560.89	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	2654.56	No	No	No	No	No		NA
2557	Turbine Delivery Route Option 3A	Clare	75575	TDR 25m intervals	562772.38	664539.24	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	2629.97	No	No	No	No	No		NA
2558	Turbine Delivery Route Option 3A	Clare	42675	TDR 25m intervals	562759.87	664517.60	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	2605.38	No	No	No	No	No		NA
2559	Turbine Delivery Route Option 3A	Clare	42650	TDR 25m intervals	562747.36	664495.96	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	2580.79	No	No	No	No	No		NA
2560	Turbine Delivery Route Option 3A	Clare	75650	TDR 25m intervals	562734.85	664474.31	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	2556.22	No	No	No	No	No		NA
2561	Turbine Delivery Route Option 3A	Clare	42625	TDR 25m intervals	562722.31	664452.69	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	2531.66	No	No	No	No	No		NA
2562	Turbine Delivery Route Option 3A	Clare	75725	TDR 25m intervals	562709.30	664431.34	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	2507.22	No	No	No	No	No		NA
2563	Turbine Delivery Route Option 3A	Clare	42600	TDR 25m intervals	562696.30	664409.98	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2482.79	No	No	No	No	No		NA
2564	Turbine Delivery Route Option 3A	Clare	42575	TDR 25m intervals	562683.29	664388.63	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2458.37	No	No	No	No	No		NA
2565	Turbine Delivery Route Option 3A	Clare	75775	TDR 25m intervals	562669.33	664367.90	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2434.25	No	No	No	No	No		NA
2566	Turbine Delivery Route Option 3A	Clare	42550	TDR 25m intervals	562654.34	664347.95	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2410.55	No	No	No	No	No		NA
2567	Turbine Delivery Route Option 3A	Clare	42525	TDR 25m intervals	562637.90	664329.12	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2387.49	No	No	No	No	No		NA
2568	Turbine Delivery Route Option 3A	Clare	42500	TDR 25m intervals	562622.33	664309.56	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2364.04	No	No	No	No	No		NA
2569	Turbine Delivery Route Option 3A	Clare	42475	TDR 25m intervals	562606.75	664290.00	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2340.63	No	No	No	No	No		NA
2570	Turbine Delivery Route Option 3A	Clare	75900	TDR 25m intervals	562591.18	664270.45	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2317.25	No	No	No	No	No		NA
2571	Turbine Delivery Route Option 3A	Clare	42450	TDR 25m intervals	562575.67	664250.84	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2293.88	No	No	No	No	No		NA
2572	Turbine Delivery Route Option 3A	Clare	42425	TDR 25m intervals	562561.09	664230.53	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2270.15	No	No	No	No	No		NA
2573	Turbine Delivery Route Option 3A	Clare	42400	TDR 25m intervals	562546.51	664210.23	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2246.44	No	No	No	No	No		NA
2574	Turbine Delivery Route Option 3A	Clare	76000	TDR 25m intervals	562531.42	664190.34	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2223.02	No	No	No	No	No		NA
2575	Turbine Delivery Route Option 3A	Clare	76025	TDR 25m intervals	562514.22	664172.19	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2200.70	No	No	No	No	No		NA

Appendix 10.3 - Baseline Database -Turbine Delivery Route, Option 3A
Oatfield WF, Co. Clare

Project Ref. 604569
Prepared by: Cca / DW
Date: 17/11/2023
File Ref: 604569-Geo-R03-App10.3-(00)-Baseline Database -Turbine Delivery Route

	TDR		Assessment Location		Grid Coordinates (ITM)		Construction Details		Surface Water				Groundwater / Bedrock Aquifer						Groundwater / Wells / Abstraction		Designated Areas			Assessment Graphics / Comment	
Row No.	Turbine Delivery Route (TDR)	County	Location ID	Assessment Location Category	Easting	Northing	Type of Water Crossing / Construction Activity	Approximate Construction Depth (Excavation / Drilling) Depth Relative to Ground Level)	SW 50m Buffer	Receptor Category (Mapped river = EPA / WFD mapped)	River basins	Subcatchments	Aquifer Vulnerability	Potential Depth to Bedrock (acc. To GSI categories)	GW Aquifer Type	Excavation in or near Bedrock (In line with GSI mapped Aquifer Vulnerability)	Karst 25m buffer	Distance to Karst Feature	GW Abstraction 250m Buffer	Groundwater Source Protection Area NFGWS	SAC 50m Buffer	SPA 50m Buffer	Within SAC / SPA / NHA ?	Map Tile Number	Comments & MITIGATION MEASURES
					ITM	ITM		mbGL	50m										250m						
2576	Turbine Delivery Route Option 3A	Clare	42350	TDR 25m intervals	562496.54	664154.56	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2178.80	No	No	No	No	No		NA
2577	Turbine Delivery Route Option 3A	Clare	42325	TDR 25m intervals	562477.42	664138.46	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2158.04	No	No	No	No	No		NA
2578	Turbine Delivery Route Option 3A	Clare	42300	TDR 25m intervals	562458.30	664122.36	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2137.38	No	No	No	No	No		NA
2579	Turbine Delivery Route Option 3A	Clare	42275	TDR 25m intervals	562439.17	664106.25	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2116.80	No	No	No	No	No		NA
2580	Turbine Delivery Route Option 3A	Clare	42250	TDR 25m intervals	562420.05	664090.15	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2096.32	No	No	No	No	No		NA
2581	Turbine Delivery Route Option 3A	Clare		Site No. 15	562421.49	664080.09	Road widening	0.45	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	2096.32	No	No	No	No	No		NA
2582	Turbine Delivery Route Option 3A	Clare	42225	TDR 25m intervals	562400.93	664074.04	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2075.95	No	No	No	No	No		NA
2583	Turbine Delivery Route Option 3A	Clare	42200	TDR 25m intervals	562381.92	664057.81	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2055.57	No	No	No	No	No		NA
2584	Turbine Delivery Route Option 3A	Clare	42175	TDR 25m intervals	562363.50	664044.05	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2037.84	No	No	No	No	No		NA
2585	Turbine Delivery Route Option 3A	Clare		Site No. 15	562362.13	664068.22	Road widening	0.45	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	2037.84	No	No	No	No	No		NA
2586	Turbine Delivery Route Option 3A	Clare	42150	TDR 25m intervals	562345.81	664061.72	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2051.02	No	No	No	No	No		NA
2587	Turbine Delivery Route Option 3A	Clare	42125	TDR 25m intervals	562327.99	664079.25	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2064.25	No	No	No	No	No		NA
2588	Turbine Delivery Route Option 3A	Clare	42100	TDR 25m intervals	562309.93	664096.54	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2077.41	No	No	No	No	No		NA
2589	Turbine Delivery Route Option 3A	Clare	42075	TDR 25m intervals	562291.87	664113.82	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2090.78	No	No	No	No	No		NA
2590	Turbine Delivery Route Option 3A	Clare	42050	TDR 25m intervals	562273.81	664131.11	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2104.37	No	No	No	No	No		NA
2591	Turbine Delivery Route Option 3A	Clare	42025	TDR 25m intervals	562255.75	664148.39	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2118.16	No	No	No	No	No		NA
2592	Turbine Delivery Route Option 3A	Clare	42000	TDR 25m intervals	562237.69	664165.68	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2132.16	No	No	No	No	No		NA
2593	Turbine Delivery Route Option 3A	Clare	41975	TDR 25m intervals	562219.62	664182.96	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2146.36	No	No	No	No	No		NA
2594	Turbine Delivery Route Option 3A	Clare	41950	TDR 25m intervals	562201.56	664200.25	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2160.75	No	No	No	No	No		NA
2595	Turbine Delivery Route Option 3A	Clare	41925	TDR 25m intervals	562183.50	664217.54	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2175.34	No	No	No	No	No		NA
2596	Turbine Delivery Route Option 3A	Clare	41900	TDR 25m intervals	562165.44	664234.82	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2190.11	No	No	No	No	No		NA
2597	Turbine Delivery Route Option 3A	Clare	41875	TDR 25m intervals	562147.38	664252.11	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2205.07	No	No	No	No	No		NA
2598	Turbine Delivery Route Option 3A	Clare	41850	TDR 25m intervals	562129.32	664269.39	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	2220.21	No	No	No	No	No		NA
2599	Turbine Delivery Route Option 3A	Clare	41825	TDR 25m intervals	562111.25	664286.68	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	2235.53	No	No	No	No	No		NA
2600	Turbine Delivery Route Option 3A	Clare	41800	TDR 25m intervals	562093.19	664303.96	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	2251.02	No	No	No	No	No		NA
2601	Turbine Delivery Route Option 3A	Clare	41775	TDR 25m intervals	562075.13	664321.25	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	2266.68	No	No	No	No	No		NA
2602	Turbine Delivery Route Option 3A	Clare	41750	TDR 25m intervals	562057.20	664338.67	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	2282.65	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2603	Turbine Delivery Route Option 3A	Clare	41725	TDR 25m intervals	562039.34	664356.16	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	2298.86	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2604	Turbine Delivery Route Option 3A	Clare	41700	TDR 25m intervals	562021.49	664373.66	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	2315.23	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2605	Turbine Delivery Route Option 3A	Clare	41675	TDR 25m intervals	562003.63	664391.16	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	2331.76	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2606	Turbine Delivery Route Option 3A	Clare	76750	TDR 25m intervals	561985.78	664408.66	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	2348.43	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2607	Turbine Delivery Route Option 3A	Clare	41600	TDR 25m intervals	561967.92	664426.15	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	2365.25	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2608	Turbine Delivery Route Option 3A	Clare	41575	TDR 25m intervals	561950.06	664443.65	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	2382.21	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2609	Turbine Delivery Route Option 3A	Clare	41550	TDR 25m intervals	561932.21	664461.15	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	2399.32	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2610	Turbine Delivery Route Option 3A	Clare	41525	TDR 25m intervals	561914.35	664478.65	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	2416.56	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone

Appendix 10.3 - Baseline Database -Turbine Delivery Route, Option 3A
Oatfield WF, Co. Clare

Project Ref. 604569
Prepared by: Cca / DW
Date: 17/11/2023
File Ref: 604569-Geo-R03-App10.3-(00)-Baseline Database -Turbine Delivery Route

	TDR		Assessment Location		Grid Coordinates (ITM)		Construction Details		Surface Water				Groundwater / Bedrock Aquifer						Groundwater / Wells / Abstraction		Designated Areas			Assessment Graphics / Comment	
Row No.	Turbine Delivery Route (TDR)	County	Location ID	Assessment Location Category	Easting	Northing	Type of Water Crossing / Construction Activity	Approximate Construction Depth (Excavation / Drilling) Depth Relative to Ground Level)	SW 50m Buffer	Receptor Category (Mapped river = EPA / WFD mapped)	River basins	Subcatchments	Aquifer Vulnerability	Potential Depth to Bedrock (acc. To GSI categories)	GW Aquifer Type	Excavation in or near Bedrock (In line with GSI mapped Aquifer Vulnerability)	Karst 25m buffer	Distance to Karst Feature	GW Abstraction 250m Buffer	Groundwater Source Protection Area NFGWS	SAC 50m Buffer	SPA 50m Buffer	Within SAC / SPA / NHA ?	Map Tile Number	Comments & MITIGATION MEASURES
					ITM	ITM		mbGL	50m										250m						
2611	Turbine Delivery Route Option 3A	Clare	41500	TDR 25m intervals	561896.50	664496.15	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	2433.94	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2612	Turbine Delivery Route Option 3A	Clare	41475	TDR 25m intervals	561878.64	664513.64	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	2451.45	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2613	Turbine Delivery Route Option 3A	Clare	41450	TDR 25m intervals	561860.64	664530.99	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	2468.93	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2614	Turbine Delivery Route Option 3A	Clare	41425	TDR 25m intervals	561842.58	664548.28	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2486.50	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2615	Turbine Delivery Route Option 3A	Clare	41400	TDR 25m intervals	561824.53	664565.58	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2504.19	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2616	Turbine Delivery Route Option 3A	Clare	41375	TDR 25m intervals	561806.48	664582.87	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2522.01	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2617	Turbine Delivery Route Option 3A	Clare	41325	TDR 25m intervals	561788.43	664600.17	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2539.95	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2618	Turbine Delivery Route Option 3A	Clare	41300	TDR 25m intervals	561770.38	664617.46	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2558.01	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2619	Turbine Delivery Route Option 3A	Clare	41275	TDR 25m intervals	561752.32	664634.76	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2576.18	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2620	Turbine Delivery Route Option 3A	Clare	41250	TDR 25m intervals	561734.27	664652.05	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2594.46	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2621	Turbine Delivery Route Option 3A	Clare	41225	TDR 25m intervals	561716.22	664669.35	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2612.86	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2622	Turbine Delivery Route Option 3A	Clare	41200	TDR 25m intervals	561698.17	664686.64	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2631.37	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2623	Turbine Delivery Route Option 3A	Clare	41175	TDR 25m intervals	561680.11	664703.94	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2649.98	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2624	Turbine Delivery Route Option 3A	Clare	77200	TDR 25m intervals	561662.06	664721.23	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2668.70	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2625	Turbine Delivery Route Option 3A	Clare	77225	TDR 25m intervals	561644.01	664738.53	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2687.52	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2626	Turbine Delivery Route Option 3A	Clare	77250	TDR 25m intervals	561625.96	664755.82	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2706.44	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2627	Turbine Delivery Route Option 3A	Clare	77275	TDR 25m intervals	561607.91	664773.12	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2725.46	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2628	Turbine Delivery Route Option 3A	Clare	77300	TDR 25m intervals	561589.85	664790.41	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2744.57	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2629	Turbine Delivery Route Option 3A	Clare	77325	TDR 25m intervals	561571.80	664807.71	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2763.78	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2630	Turbine Delivery Route Option 3A	Clare	77350	TDR 25m intervals	561553.75	664825.00	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2783.08	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2631	Turbine Delivery Route Option 3A	Clare	77375	TDR 25m intervals	561535.70	664842.30	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2802.47	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2632	Turbine Delivery Route Option 3A	Clare	40950	TDR 25m intervals	561517.64	664859.59	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2821.95	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2633	Turbine Delivery Route Option 3A	Clare	40925	TDR 25m intervals	561499.59	664876.89	NA	NA	No	NA	BLACKWATER (CLARE)_020	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2841.52	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2634	Turbine Delivery Route Option 3A	Clare	40900	TDR 25m intervals	561481.54	664894.18	NA	NA	No	NA	BLACKWATER (CLARE)_020	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2861.17	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2635	Turbine Delivery Route Option 3A	Clare	40875	TDR 25m intervals	561463.49	664911.48	NA	NA	No	NA	BLACKWATER (CLARE)_020	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2880.90	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2636	Turbine Delivery Route Option 3A	Clare	40850	TDR 25m intervals	561445.44	664928.77	NA	NA	No	NA	BLACKWATER (CLARE)_020	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2900.71	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2637	Turbine Delivery Route Option 3A	Clare	40825	TDR 25m intervals	561427.38	664946.07	NA	NA	No	NA	BLACKWATER (CLARE)_020	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2920.61	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2638	Turbine Delivery Route Option 3A	Clare	77550	TDR 25m intervals	561409.29	664963.31	NA	NA	No	NA	BLACKWATER (CLARE)_020	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2940.54	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2639	Turbine Delivery Route Option 3A	Clare	40800	TDR 25m intervals	561391.18	664980.55	NA	NA	No	NA	BLACKWATER (CLARE)_020	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2960.54	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2640	Turbine Delivery Route Option 3A	Clare	40775	TDR 25m intervals	561373.07	664997.79	NA	NA	No	NA	BLACKWATER (CLARE)_020	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	2980.62	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2641	Turbine Delivery Route Option 3A	Clare	40750	TDR 25m intervals	561354.96	665015.02	NA	NA	No	NA	BLACKWATER (CLARE)_020	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	3000.76	No	No	No	No	No		NA
2642	Turbine Delivery Route Option 3A	Clare	40725	TDR 25m intervals	561336.85	665032.26	NA	NA	No	NA	BLACKWATER (CLARE)_020	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	3020.99	No	No	No	No	No		NA
2643	Turbine Delivery Route Option 3A	Clare	77675	TDR 25m intervals	561318.82	665049.58	NA	NA	No	NA	BLACKWATER (CLARE)_020	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	3041.35	No	No	No	No	No		NA
2644	Turbine Delivery Route Option 3A	Clare	40700	TDR 25m intervals	561300.97	665067.08	NA	NA	No	NA	BLACKWATER (CLARE)_020	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	3061.92	No	No	No	No	No		NA
2645	Turbine Delivery Route Option 3A	Clare	40675	TDR 25m intervals	561283.12	665084.58	NA	NA	No	NA	BLACKWATER (CLARE)_020	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	3082.56	No	No	No	No	No		NA

Appendix 10.3 - Baseline Database -Turbine Delivery Route, Option 3A
Oatfield WF, Co. Clare

Project Ref. 604569
Prepared by: Cca / DW
Date: 17/11/2023
File Ref: 604569-Geo-R03-App10.3-(00)-Baseline Database -Turbine Delivery Route

	TDR		Assessment Location		Grid Coordinates (ITM)		Construction Details		Surface Water				Groundwater / Bedrock Aquifer						Groundwater / Wells / Abstraction		Designated Areas			Assessment Graphics / Comment	
Row No.	Turbine Delivery Route (TDR)	County	Location ID	Assessment Location Category	Easting	Northing	Type of Water Crossing / Construction Activity	Approximate Construction Depth (Excavation / Drilling) Depth Relative to Ground Level)	SW 50m Buffer	Receptor Category (Mapped river = EPA / WFD mapped)	River basins	Subcatchments	Aquifer Vulnerability	Potential Depth to Bedrock (acc. To GSI categories)	GW Aquifer Type	Excavation in or near Bedrock (In line with GSI mapped Aquifer Vulnerability)	Karst 25m buffer	Distance to Karst Feature	GW Abstraction 250m Buffer	Groundwater Source Protection Area NFGWS	SAC 50m Buffer	SPA 50m Buffer	Within SAC / SPA / NHA ?	Map Tile Number	Comments & MITIGATION MEASURES
					ITM	ITM		mbGL	50m										250m						
2646	Turbine Delivery Route Option 3A	Clare	40650	TDR 25m intervals	561265.26	665102.08	NA	NA	No	NA	BLACKWATER (CLARE)_020	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	3103.26	No	No	No	No	No		NA
2647	Turbine Delivery Route Option 3A	Clare	40625	TDR 25m intervals	561247.41	665119.58	NA	NA	No	NA	BLACKWATER (CLARE)_020	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	3124.02	No	No	No	No	No		NA
2648	Turbine Delivery Route Option 3A	Clare	77800	TDR 25m intervals	561229.55	665137.07	NA	NA	No	NA	BLACKWATER (CLARE)_020	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	3144.85	No	No	No	No	No		NA
2649	Turbine Delivery Route Option 3A	Clare	40600	TDR 25m intervals	561211.61	665154.48	NA	NA	No	NA	BLACKWATER (CLARE)_020	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	3165.66	No	No	No	No	No		NA
2650	Turbine Delivery Route Option 3A	Clare	40575	TDR 25m intervals	561193.45	665171.66	NA	NA	No	NA	BLACKWATER (CLARE)_020	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	3186.37	No	No	No	No	No		NA
2651	Turbine Delivery Route Option 3A	Clare	40550	TDR 25m intervals	561175.28	665188.84	NA	NA	No	NA	BLACKWATER (CLARE)_020	Shannon[Lower]_SC_100	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	3207.13	No	No	No	No	No		NA
2652	Turbine Delivery Route Option 3A	Clare	77900	TDR 25m intervals	561157.12	665206.02	NA	NA	No	NA	BLACKWATER (CLARE)_020	Shannon[Lower]_SC_100	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	3227.95	No	No	No	No	No		NA
2653	Turbine Delivery Route Option 3A	Clare	40525	TDR 25m intervals	561138.96	665223.20	NA	NA	No	NA	BLACKWATER (CLARE)_020	Shannon[Lower]_SC_100	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	3248.84	No	No	No	No	No		NA
2654	Turbine Delivery Route Option 3A	Clare	40500	TDR 25m intervals	561120.80	665240.38	NA	NA	No	NA	BLACKWATER (CLARE)_020	Shannon[Lower]_SC_100	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	3269.78	No	No	No	No	No		NA
2655	Turbine Delivery Route Option 3A	Clare	40475	TDR 25m intervals	561102.64	665257.56	NA	NA	No	NA	BLACKWATER (CLARE)_020	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	3290.78	No	No	No	No	No		NA
2656	Turbine Delivery Route Option 3A	Clare	78000	TDR 25m intervals	561084.48	665274.74	NA	NA	No	NA	BLACKWATER (CLARE)_020	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	3311.83	No	No	No	No	No		NA
2657	Turbine Delivery Route Option 3A	Clare	40450	TDR 25m intervals	561066.32	665291.92	NA	NA	No	NA	BLACKWATER (CLARE)_020	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	3332.94	No	No	No	No	No		NA
2658	Turbine Delivery Route Option 3A	Clare	40425	TDR 25m intervals	561048.23	665309.18	NA	NA	No	NA	BLACKWATER (CLARE)_020	Shannon[Lower]_SC_100	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	3354.16	No	No	No	No	No		NA
2659	Turbine Delivery Route Option 3A	Clare	40400	TDR 25m intervals	561030.24	665326.54	NA	NA	No	NA	BLACKWATER (CLARE)_020	Shannon[Lower]_SC_100	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	3375.50	No	No	No	No	No		NA
2660	Turbine Delivery Route Option 3A	Clare	40375	TDR 25m intervals	561012.24	665343.90	NA	NA	No	NA	BLACKWATER (CLARE)_020	Shannon[Lower]_SC_100	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	3396.89	No	No	No	No	No		NA
2661	Turbine Delivery Route Option 3A	Clare	78125	TDR 25m intervals	560994.25	665361.25	NA	NA	No	NA	BLACKWATER (CLARE)_020	Shannon[Lower]_SC_100	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	3418.33	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2662	Turbine Delivery Route Option 3A	Clare	40350	TDR 25m intervals	560976.29	665378.64	NA	NA	No	NA	BLACKWATER (CLARE)_020	Shannon[Lower]_SC_100	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	3439.84	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2663	Turbine Delivery Route Option 3A	Clare	40325	TDR 25m intervals	560958.47	665396.17	NA	NA	No	NA	GLENOMRA WOOD STREAM_	Shannon[Lower]_SC_100	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	3461.50	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2664	Turbine Delivery Route Option 3A	Clare	40300	TDR 25m intervals	560940.64	665413.70	NA	NA	No	NA	GLENOMRA WOOD STREAM_	Shannon[Lower]_SC_100	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	3483.20	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2665	Turbine Delivery Route Option 3A	Clare	78225	TDR 25m intervals	560922.82	665431.24	NA	NA	No	NA	GLENOMRA WOOD STREAM_	Shannon[Lower]_SC_100	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	3504.95	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2666	Turbine Delivery Route Option 3A	Clare	40275	TDR 25m intervals	560903.06	665446.55	NA	NA	No	NA	GLENOMRA WOOD STREAM_	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	3525.14	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2667	Turbine Delivery Route Option 3A	Clare	40250	TDR 25m intervals	560881.13	665458.50	NA	NA	No	NA	GLENOMRA WOOD STREAM_	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	3542.80	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2668	Turbine Delivery Route Option 3A	Clare	40225	TDR 25m intervals	560858.51	665469.12	NA	NA	No	NA	GLENOMRA WOOD STREAM_	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	3559.47	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2669	Turbine Delivery Route Option 3A	Clare	40200	TDR 25m intervals	560835.73	665479.41	NA	NA	No	NA	GLENOMRA WOOD STREAM_	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	3575.97	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2670	Turbine Delivery Route Option 3A	Clare	40175	TDR 25m intervals	560813.56	665490.74	NA	NA	No	NA	GLENOMRA WOOD STREAM_	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	3593.37	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2671	Turbine Delivery Route Option 3A	Clare	40150	TDR 25m intervals	560794.17	665506.51	NA	NA	No	NA	GLENOMRA WOOD STREAM_	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	3614.25	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2672	Turbine Delivery Route Option 3A	Clare	40125	TDR 25m intervals	560774.26	665521.63	NA	NA	No	NA	GLENOMRA WOOD STREAM_	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	3634.72	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2673	Turbine Delivery Route Option 3A	Clare	78425	TDR 25m intervals	560754.35	665536.74	NA	NA	No	NA	GLENOMRA WOOD STREAM_	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	3655.25	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2674	Turbine Delivery Route Option 3A	Clare	78450	TDR 25m intervals	560734.43	665551.86	NA	NA	No	NA	GLENOMRA WOOD STREAM_	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	3675.83	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2675	Turbine Delivery Route Option 3A	Clare	40075	TDR 25m intervals	560714.52	665566.97	NA	NA	No	NA	GLENOMRA WOOD STREAM_	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	3696.46	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2676	Turbine Delivery Route Option 3A	Clare	40050	TDR 25m intervals	560694.61	665582.09	NA	NA	No	NA	GLENOMRA WOOD STREAM_	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	3717.15	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2677	Turbine Delivery Route Option 3A	Clare	40025	TDR 25m intervals	560674.69	665597.21	NA	NA	No	NA	GLENOMRA WOOD STREAM_	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	3737.89	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2678	Turbine Delivery Route Option 3A	Clare	40000	TDR 25m intervals	560654.78	665612.32	NA	NA	No	NA	GLENOMRA WOOD STREAM_	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	3758.69	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2679	Turbine Delivery Route Option 3A	Clare	39975	TDR 25m intervals	560633.74	665625.79	NA	NA	No	NA	GLENOMRA WOOD STREAM_	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	3778.35	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2680	Turbine Delivery Route Option 3A	Clare	39950	TDR 25m intervals	560612.29	665638.62	NA	NA	No	NA	GLENOMRA WOOD STREAM_	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	3797.62	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone

Appendix 10.3 - Baseline Database -Turbine Delivery Route, Option 3A
Oatfield WF, Co. Clare

Project Ref. 604569
Prepared by: Cca / DW
Date: 17/11/2023
File Ref: 604569-Geo-R03-App10.3-(00)-Baseline Database -Turbine Delivery Route

	TDR		Assessment Location		Grid Coordinates (ITM)		Construction Details		Surface Water				Groundwater / Bedrock Aquifer						Groundwater / Wells / Abstraction		Designated Areas			Assessment Graphics / Comment	
Row No.	Turbine Delivery Route (TDR)	County	Location ID	Assessment Location Category	Easting	Northing	Type of Water Crossing / Construction Activity	Approximate Construction Depth (Excavation / Drilling) Depth Relative to Ground Level)	SW 50m Buffer	Receptor Category (Mapped river = EPA / WFD mapped)	River basins	Subcatchments	Aquifer Vulnerability	Potential Depth to Bedrock (acc. To GSI categories)	GW Aquifer Type	Excavation in or near Bedrock (In line with GSI mapped Aquifer Vulnerability)	Karst 25m buffer	Distance to Karst Feature	GW Abstraction 250m Buffer	Groundwater Source Protection Area NFGWS	SAC 50m Buffer	SPA 50m Buffer	Within SAC / SPA / NHA ?	Map Tile Number	Comments & MITIGATION MEASURES
					ITM	ITM		mbGL	50m										250m						
2681	Turbine Delivery Route Option 3A	Clare	78625	TDR 25m intervals	560590.43	665650.76	NA	NA	No	NA	GLENOMRA WOOD STREAM, Shannon[Lower]_SC_100		Extreme (E)	1 to 3m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	3816.43	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2682	Turbine Delivery Route Option 3A	Clare	78650	TDR 25m intervals	560568.38	665662.53	NA	NA	No	NA	GLENOMRA WOOD STREAM, Shannon[Lower]_SC_100		Extreme (E)	1 to 3m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	3835.05	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2683	Turbine Delivery Route Option 3A	Clare	39900	TDR 25m intervals	560546.18	665674.01	NA	NA	No	NA	GLENOMRA WOOD STREAM, Shannon[Lower]_SC_100		High (H)	3 to 5m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	3853.51	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2684	Turbine Delivery Route Option 3A	Clare	39875	TDR 25m intervals	560523.84	665685.21	NA	NA	No	NA	GLENOMRA WOOD STREAM, Shannon[Lower]_SC_100		Extreme (E)	1 to 3m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	3871.84	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2685	Turbine Delivery Route Option 3A	Clare	39850	TDR 25m intervals	560500.86	665695.08	NA	NA	No	NA	GLENOMRA WOOD STREAM, Shannon[Lower]_SC_100		Extreme (E)	1 to 3m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	3889.21	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2686	Turbine Delivery Route Option 3A	Clare	39825	TDR 25m intervals	560477.89	665704.94	NA	NA	No	NA	GLENOMRA WOOD STREAM, Shannon[Lower]_SC_100		Extreme (E)	1 to 3m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	3906.67	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2687	Turbine Delivery Route Option 3A	Clare	39800	TDR 25m intervals	560454.92	665714.81	NA	NA	No	NA	GLENOMRA WOOD STREAM, Shannon[Lower]_SC_100		High (H)	3 to 5m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	3924.21	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2688	Turbine Delivery Route Option 3A	Clare	39775	TDR 25m intervals	560431.42	665723.25	NA	NA	No	NA	BLACKWATER (CLARE)_020 Shannon[Lower]_SC_100		High (H)	3 to 5m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	3940.71	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2689	Turbine Delivery Route Option 3A	Clare	39750	TDR 25m intervals	560407.62	665730.92	NA	NA	No	NA	BLACKWATER (CLARE)_020 Shannon[Lower]_SC_100		High (H)	3 to 5m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	3956.68	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2690	Turbine Delivery Route Option 3A	Clare	39725	TDR 25m intervals	560383.83	665738.59	NA	NA	No	NA	BLACKWATER (CLARE)_020 Shannon[Lower]_SC_100		High (H)	3 to 5m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	3972.75	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2691	Turbine Delivery Route Option 3A	Clare	39700	TDR 25m intervals	560360.01	665746.18	NA	NA	No	NA	BLACKWATER (CLARE)_020 Shannon[Lower]_SC_100		High (H)	3 to 5m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	3988.85	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2692	Turbine Delivery Route Option 3A	Clare	39675	TDR 25m intervals	560336.19	665753.77	NA	NA	No	NA	BLACKWATER (CLARE)_020 Shannon[Lower]_SC_100		High (H)	3 to 5m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	4005.04	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2693	Turbine Delivery Route Option 3A	Clare	39650	TDR 25m intervals	560312.28	665761.08	NA	NA	No	NA	BLACKWATER (CLARE)_020 Shannon[Lower]_SC_100		High (H)	3 to 5m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	4021.09	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2694	Turbine Delivery Route Option 3A	Clare	39625	TDR 25m intervals	560288.37	665768.36	NA	NA	No	NA	BLACKWATER (CLARE)_020 Shannon[Lower]_SC_100		High (H)	3 to 5m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	4037.22	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2695	Turbine Delivery Route Option 3A	Clare	39600	TDR 25m intervals	560264.45	665775.64	NA	NA	No	NA	BLACKWATER (CLARE)_020 Shannon[Lower]_SC_100		Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	4053.43	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2696	Turbine Delivery Route Option 3A	Clare	39575	TDR 25m intervals	560240.53	665782.93	NA	NA	No	NA	BLACKWATER (CLARE)_020 Shannon[Lower]_SC_100		Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	4069.74	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2697	Turbine Delivery Route Option 3A	Clare	39550	TDR 25m intervals	560216.62	665790.21	NA	NA	No	NA	BLACKWATER (CLARE)_020 Shannon[Lower]_SC_100		Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	4086.13	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2698	Turbine Delivery Route Option 3A	Clare	39525	TDR 25m intervals	560193.54	665799.55	NA	NA	No	NA	BLACKWATER (CLARE)_020 Shannon[Lower]_SC_100		Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	4104.14	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2699	Turbine Delivery Route Option 3A	Clare	39500	TDR 25m intervals	560171.34	665811.04	NA	NA	No	NA	BLACKWATER (CLARE)_020 Shannon[Lower]_SC_100		Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	4123.80	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2700	Turbine Delivery Route Option 3A	Clare	39475	TDR 25m intervals	560149.13	665822.52	NA	NA	No	NA	BLACKWATER (CLARE)_020 Shannon[Lower]_SC_100		Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	4143.53	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2701	Turbine Delivery Route Option 3A	Clare	39450	TDR 25m intervals	560126.92	665834.01	NA	NA	No	NA	BLACKWATER (CLARE)_020 Shannon[Lower]_SC_100		Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	4163.31	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2702	Turbine Delivery Route Option 3A	Clare	39425	TDR 25m intervals	560104.72	665845.49	NA	NA	No	NA	GLENOMRA WOOD STREAM, Shannon[Lower]_SC_100		Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	4183.14	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2703	Turbine Delivery Route Option 3A	Clare	39400	TDR 25m intervals	560082.51	665856.98	NA	NA	No	NA	BLACKWATER (CLARE)_020 Shannon[Lower]_SC_100		Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	4203.03	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2704	Turbine Delivery Route Option 3A	Clare	39375	TDR 25m intervals	560060.31	665868.46	NA	NA	No	NA	GLENOMRA WOOD STREAM, Shannon[Lower]_SC_100		Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	4222.98	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2705	Turbine Delivery Route Option 3A	Clare	39350	TDR 25m intervals	560038.10	665879.95	NA	NA	No	NA	BLACKWATER (CLARE)_020 Shannon[Lower]_SC_100		Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	4242.97	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2706	Turbine Delivery Route Option 3A	Clare		Site No. 17	560049.97	665882.74	Road widening	0.45	Yes	GLENOMRA WOOD STRI	GLENOMRA WOOD STREAM, Shannon[Lower]_SC_100		Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	4262.17	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone
2707	Turbine Delivery Route Option 3A	Clare	39325	TDR 25m intervals	560015.38	665890.23	NA	NA	Yes	GLENOMRA WOOD STRI	GLENOMRA WOOD STREAM, Shannon[Lower]_SC_100		Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	4262.17	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone
2708	Turbine Delivery Route Option 3A	Clare	39300	TDR 25m intervals	559990.97	665893.25	NA	NA	Yes	GLENOMRA WOOD STRI	GLENOMRA WOOD STREAM, Shannon[Lower]_SC_100		Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	4275.67	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone
2709	Turbine Delivery Route Option 3A	Clare		TDR_WCC_145	559986.80	665893.33	WCC	NA	Yes	GLENOMRA WOOD STRI	GLENOMRA WOOD STREAM, Shannon[Lower]_SC_100		Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	4275.67	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone
2710	Turbine Delivery Route Option 3A	Clare	39275	TDR 25m intervals	559966.11	665890.93	NA	NA	Yes	GLENOMRA WOOD STRI	BLACKWATER (CLARE)_020 Shannon[Lower]_SC_100		Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	4284.69	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone
2711	Turbine Delivery Route Option 3A	Clare	39250	TDR 25m intervals	559941.36	665887.42	NA	NA	Yes	GLENOMRA WOOD STRI	BLACKWATER (CLARE)_020 Shannon[Lower]_SC_100		Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	4292.72	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone
2712	Turbine Delivery Route Option 3A	Clare	39225	TDR 25m intervals	559916.61	665883.92	NA	NA	No	NA	BLACKWATER (CLARE)_020 Shannon[Lower]_SC_100		Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	4300.90	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2713	Turbine Delivery Route Option 3A	Clare	39200	TDR 25m intervals	559891.85	665880.42	NA	NA	No	NA	BLACKWATER (CLARE)_020 Shannon[Lower]_SC_100		Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	4309.22	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2714	Turbine Delivery Route Option 3A	Clare	39175	TDR 25m intervals	559867.10	665876.93	NA	NA	No	NA	BLACKWATER (CLARE)_020 Shannon[Lower]_SC_100		Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	4317.66	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2715	Turbine Delivery Route Option 3A	Clare	39150	TDR 25m intervals	559842.35	665873.43	NA	NA	No	NA	BLACKWATER (CLARE)_020 Shannon[Lower]_SC_100		Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	4326.23	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone

Appendix 10.3 - Baseline Database -Turbine Delivery Route, Option 3A
Oatfield WF, Co. Clare

Project Ref. 604569
Prepared by: Cca / DW
Date: 17/11/2023
File Ref: 604569-Geo-R03-App10.3-(00)-Baseline Database -Turbine Delivery Route

	TDR		Assessment Location		Grid Coordinates (ITM)		Construction Details		Surface Water				Groundwater / Bedrock Aquifer						Groundwater / Wells / Abstraction		Designated Areas			Assessment Graphics / Comment	
Row No.	Turbine Delivery Route (TDR)	County	Location ID	Assessment Location Category	Easting	Northing	Type of Water Crossing / Construction Activity	Approximate Construction Depth (Excavation / Drilling) Depth Relative to Ground Level)	SW 50m Buffer	Receptor Category (Mapped river = EPA / WFD mapped)	River basins	Subcatchments	Aquifer Vulnerability	Potential Depth to Bedrock (acc. To GSI categories)	GW Aquifer Type	Excavation in or near Bedrock (In line with GSI mapped Aquifer Vulnerability)	Karst 25m buffer	Distance to Karst Feature	GW Abstraction 250m Buffer	Groundwater Source Protection Area NFGWS	SAC 50m Buffer	SPA 50m Buffer	Within SAC / SPA / NHA ?	Map Tile Number	Comments & MITIGATION MEASURES
					ITM	ITM		mbGL	50m										250m						
2716	Turbine Delivery Route Option 3A	Clare	39125	TDR 25m intervals	559817.59	665869.94	NA	NA	No	NA	BLACKWATER (CLARE)_020	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	4334.92	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2717	Turbine Delivery Route Option 3A	Clare	39100	TDR 25m intervals	559792.84	665866.44	NA	NA	No	NA	BLACKWATER (CLARE)_020	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	4343.75	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2718	Turbine Delivery Route Option 3A	Clare	39075	TDR 25m intervals	559768.08	665862.95	NA	NA	No	NA	BLACKWATER (CLARE)_020	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	4352.70	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2719	Turbine Delivery Route Option 3A	Clare	39050	TDR 25m intervals	559743.36	665859.25	NA	NA	No	NA	BLACKWATER (CLARE)_020	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	4361.58	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2720	Turbine Delivery Route Option 3A	Clare	39025	TDR 25m intervals	559718.64	665855.48	NA	NA	No	NA	BLACKWATER (CLARE)_020	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	4370.52	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2721	Turbine Delivery Route Option 3A	Clare	39000	TDR 25m intervals	559693.93	665851.71	NA	NA	No	NA	BLACKWATER (CLARE)_020	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	4379.59	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2722	Turbine Delivery Route Option 3A	Clare	38975	TDR 25m intervals	559669.21	665847.94	NA	NA	No	NA	BLACKWATER (CLARE)_020	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	4388.78	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2723	Turbine Delivery Route Option 3A	Clare	38950	TDR 25m intervals	559644.50	665844.18	NA	NA	No	NA	BLACKWATER (CLARE)_020	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	4398.09	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2724	Turbine Delivery Route Option 3A	Clare	38925	TDR 25m intervals	559619.79	665840.41	NA	NA	No	NA	BLACKWATER (CLARE)_020	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	4407.52	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2725	Turbine Delivery Route Option 3A	Clare	38900	TDR 25m intervals	559595.07	665836.64	NA	NA	No	NA	BLACKWATER (CLARE)_020	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	4417.08	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2726	Turbine Delivery Route Option 3A	Clare	38875	TDR 25m intervals	559570.36	665832.87	NA	NA	No	NA	BLACKWATER (CLARE)_020	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	4426.76	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2727	Turbine Delivery Route Option 3A	Clare	38850	TDR 25m intervals	559545.64	665829.10	NA	NA	No	NA	BLACKWATER (CLARE)_020	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	4436.55	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2728	Turbine Delivery Route Option 3A	Clare	38825	TDR 25m intervals	559520.89	665825.63	NA	NA	No	NA	BLACKWATER (CLARE)_020	Shannon[Lower]_SC_100	High (H)	3 to 5m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	4446.74	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2729	Turbine Delivery Route Option 3A	Clare	38800	TDR 25m intervals	559496.03	665822.99	NA	NA	No	NA	BLACKWATER (CLARE)_020	Shannon[Lower]_SC_100	High (H)	3 to 5m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	4457.81	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2730	Turbine Delivery Route Option 3A	Clare	38775	TDR 25m intervals	559471.17	665820.35	NA	NA	No	NA	BLACKWATER (CLARE)_020	Shannon[Lower]_SC_100	High (H)	3 to 5m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	4468.99	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2731	Turbine Delivery Route Option 3A	Clare	38750	TDR 25m intervals	559446.30	665817.79	NA	NA	No	NA	BLACKWATER (CLARE)_020	Shannon[Lower]_SC_100	High (H)	3 to 5m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	4480.35	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2732	Turbine Delivery Route Option 3A	Clare	38725	TDR 25m intervals	559421.37	665816.00	NA	NA	No	NA	BLACKWATER (CLARE)_020	Shannon[Lower]_SC_100	High (H)	3 to 5m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	4492.49	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2733	Turbine Delivery Route Option 3A	Clare	38700	TDR 25m intervals	559396.43	665814.20	NA	NA	No	NA	BLACKWATER (CLARE)_020	Shannon[Lower]_SC_100	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	4504.74	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2734	Turbine Delivery Route Option 3A	Clare	38675	TDR 25m intervals	559371.46	665814.82	NA	NA	No	NA	BLACKWATER (CLARE)_020	Shannon[Lower]_SC_100	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	4519.13	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2735	Turbine Delivery Route Option 3A	Clare	38650	TDR 25m intervals	559346.54	665816.76	NA	NA	No	NA	BLACKWATER (CLARE)_020	Shannon[Lower]_SC_100	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	4534.66	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2736	Turbine Delivery Route Option 3A	Clare	38625	TDR 25m intervals	559321.97	665821.13	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	4552.09	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2737	Turbine Delivery Route Option 3A	Clare	38600	TDR 25m intervals	559297.59	665826.65	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	4570.44	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2738	Turbine Delivery Route Option 3A	Clare	38575	TDR 25m intervals	559273.75	665834.16	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	4590.17	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2739	Turbine Delivery Route Option 3A	Clare	38550	TDR 25m intervals	559249.96	665841.83	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	4610.06	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2740	Turbine Delivery Route Option 3A	Clare	38525	TDR 25m intervals	559226.16	665849.51	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	4630.00	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2741	Turbine Delivery Route Option 3A	Clare	38500	TDR 25m intervals	559202.41	665857.31	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	4650.07	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2742	Turbine Delivery Route Option 3A	Clare	38475	TDR 25m intervals	559178.67	665865.12	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	4670.20	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2743	Turbine Delivery Route Option 3A	Clare	38450	TDR 25m intervals	559154.92	665872.94	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	4690.37	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2744	Turbine Delivery Route Option 3A	Clare	38425	TDR 25m intervals	559131.17	665880.76	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	4710.59	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2745	Turbine Delivery Route Option 3A	Clare	38400	TDR 25m intervals	559107.43	665888.57	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	4730.86	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2746	Turbine Delivery Route Option 3A	Clare	38375	TDR 25m intervals	559083.85	665896.86	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	4751.45	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2747	Turbine Delivery Route Option 3A	Clare	38350	TDR 25m intervals	559060.60	665906.05	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	4772.62	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2748	Turbine Delivery Route Option 3A	Clare	38325	TDR 25m intervals	559037.35	665915.24	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	4793.82	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2749	Turbine Delivery Route Option 3A	Clare	38300	TDR 25m intervals	559014.10	665924.43	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	4815.06	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2750	Turbine Delivery Route Option 3A	Clare	38275	TDR 25m intervals	558991.22	665934.49	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	4836.81	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone

Appendix 10.3 - Baseline Database -Turbine Delivery Route, Option 3A
Oatfield WF, Co. Clare

Project Ref. 604569
Prepared by: Cca / DW
Date: 17/11/2023
File Ref: 604569-Geo-R03-App10.3-(00)-Baseline Database -Turbine Delivery Route

	TDR		Assessment Location		Grid Coordinates (ITM)		Construction Details		Surface Water				Groundwater / Bedrock Aquifer						Groundwater / Wells / Abstraction		Designated Areas			Assessment Graphics / Comment	
Row No.	Turbine Delivery Route (TDR)	County	Location ID	Assessment Location Category	Easting	Northing	Type of Water Crossing / Construction Activity	Approximate Construction Depth (Excavation / Drilling) Depth Relative to Ground Level)	SW 50m Buffer	Receptor Category (Mapped river = EPA / WFD mapped)	River basins	Subcatchments	Aquifer Vulnerability	Potential Depth to Bedrock (acc. To GSI categories)	GW Aquifer Type	Excavation in or near Bedrock (In line with GSI mapped Aquifer Vulnerability)	Karst 25m buffer	Distance to Karst Feature	GW Abstraction 250m Buffer	Groundwater Source Protection Area NFGWS	SAC 50m Buffer	SPA 50m Buffer	Within SAC / SPA / NHA ?	Map Tile Number	Comments & MITIGATION MEASURES
					ITM	ITM		mbGL	50m										250m						
2751	Turbine Delivery Route Option 3A	Clare	38250	TDR 25m intervals	558968.49	665944.89	NA	NA	Yes	BLACKWATER (CLARE)	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	4858.78	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone
2752	Turbine Delivery Route Option 3A	Clare	38225	TDR 25m intervals	558945.75	665955.28	NA	NA	Yes	BLACKWATER (CLARE)	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	4880.77	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone
2753	Turbine Delivery Route Option 3A	Clare		TDR_WCC_146	558924.39	665965.20	WCC	NA	Yes	BLACKWATER (CLARE)	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	4880.77	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone
2754	Turbine Delivery Route Option 3A	Clare	38200	TDR 25m intervals	558923.01	665965.68	NA	NA	Yes	BLACKWATER (CLARE)	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	4902.79	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone
2755	Turbine Delivery Route Option 3A	Clare	80400	TDR 25m intervals	558900.28	665976.07	NA	NA	Yes	BLACKWATER (CLARE)	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	4924.84	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone
2756	Turbine Delivery Route Option 3A	Clare	80425	TDR 25m intervals	558877.54	665986.46	NA	NA	Yes	BLACKWATER (CLARE)	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	4946.92	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone
2757	Turbine Delivery Route Option 3A	Clare	38150	TDR 25m intervals	558854.79	665996.84	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	4969.01	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2758	Turbine Delivery Route Option 3A	Clare	38125	TDR 25m intervals	558832.04	666007.20	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	4991.13	No	No	No	No	No		NA
2759	Turbine Delivery Route Option 3A	Clare	38100	TDR 25m intervals	558809.29	666017.57	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5013.27	No	No	No	No	No		NA
2760	Turbine Delivery Route Option 3A	Clare	38075	TDR 25m intervals	558786.54	666027.93	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5035.45	No	No	No	No	No		NA
2761	Turbine Delivery Route Option 3A	Clare	38050	TDR 25m intervals	558763.71	666038.09	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5057.54	No	No	No	No	No		NA
2762	Turbine Delivery Route Option 3A	Clare	38025	TDR 25m intervals	558740.44	666047.24	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5079.13	No	No	No	No	No		NA
2763	Turbine Delivery Route Option 3A	Clare	38000	TDR 25m intervals	558717.17	666056.38	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5100.75	No	No	No	No	No		NA
2764	Turbine Delivery Route Option 3A	Clare	37975	TDR 25m intervals	558693.91	666065.53	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5122.40	No	No	No	No	No		NA
2765	Turbine Delivery Route Option 3A	Clare	37950	TDR 25m intervals	558670.61	666074.61	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5144.04	No	No	No	No	No		NA
2766	Turbine Delivery Route Option 3A	Clare	37925	TDR 25m intervals	558647.30	666083.65	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5165.69	No	No	No	No	No		NA
2767	Turbine Delivery Route Option 3A	Clare	37900	TDR 25m intervals	558623.40	666090.96	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5186.41	No	No	No	No	No		NA
2768	Turbine Delivery Route Option 3A	Clare	37875	TDR 25m intervals	558599.49	666098.27	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5207.17	No	No	No	No	No		NA
2769	Turbine Delivery Route Option 3A	Clare	37850	TDR 25m intervals	558575.58	666105.59	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5227.96	No	No	No	No	No		NA
2770	Turbine Delivery Route Option 3A	Clare		Site No. 18	558546.98	666107.32	Road widening	0.45	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Potentially	NA	5227.96	No	No	No	No	No		NA
2771	Turbine Delivery Route Option 3A	Clare	80775	TDR 25m intervals	558551.68	666112.90	NA	NA	No	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5248.79	No	No	No	No	No		NA
2772	Turbine Delivery Route Option 3A	Limerick	46175	TDR 25m intervals	565129.52	657735.47	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5407.05	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2773	Turbine Delivery Route Option 3A	Limerick	45750	TDR 25m intervals	565128.38	657760.44	NA	NA	Yes	SHANNON (LOWER)_060	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5386.39	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Regionally Important Aquifer
2774	Turbine Delivery Route Option 3A	Limerick	45725	TDR 25m intervals	565127.24	657785.41	NA	NA	Yes	SHANNON (LOWER)_060	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5365.77	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Regionally Important Aquifer
2775	Turbine Delivery Route Option 3A	Limerick	45850	TDR 25m intervals	565126.10	657810.39	NA	NA	Yes	SHANNON (LOWER)_060	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5345.19	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Regionally Important Aquifer
2776	Turbine Delivery Route Option 3A	Limerick	45900	TDR 25m intervals	565125.15	657835.37	NA	NA	Yes	SHANNON (LOWER)_060	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5324.76	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Regionally Important Aquifer
2777	Turbine Delivery Route Option 3A	Limerick		TDR_WCC_133	565125.38	657837.83	WCC	NA	Yes	SHANNON (LOWER)_060	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5324.76	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Regionally Important Aquifer
2778	Turbine Delivery Route Option 3A	Limerick	46125	TDR 25m intervals	565124.33	657860.36	NA	NA	Yes	SHANNON (LOWER)_060	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5304.43	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Regionally Important Aquifer
2779	Turbine Delivery Route Option 3A	Limerick	45925	TDR 25m intervals	565123.50	657885.34	NA	NA	Yes	SHANNON (LOWER)_060	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5284.14	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Regionally Important Aquifer
2780	Turbine Delivery Route Option 3A	Limerick	45950	TDR 25m intervals	565122.83	657910.33	NA	NA	Yes	SHANNON (LOWER)_060	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5264.00	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Regionally Important Aquifer
2781	Turbine Delivery Route Option 3A	Limerick	46075	TDR 25m intervals	565122.42	657935.33	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5244.04	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2782	Turbine Delivery Route Option 3A	Limerick	46050	TDR 25m intervals	565122.00	657960.33	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5224.12	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2783	Turbine Delivery Route Option 3A	Limerick	46000	TDR 25m intervals	565122.02	657985.32	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5204.52	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2784	Turbine Delivery Route Option 3A	Limerick	45650	TDR 25m intervals	565122.15	658010.32	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5185.03	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2785	Turbine Delivery Route Option 3A	Limerick	45975	TDR 25m intervals	565122.81	658035.31	NA	NA	Yes	SHANNON (LOWER)_060	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5165.94	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Regionally Important Aquifer
2786	Turbine Delivery Route Option 3A	Limerick	45675	TDR 25m intervals	565123.76	658060.29	NA	NA	Yes	SHANNON (LOWER)_060	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5147.08	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Regionally Important Aquifer
2787	Turbine Delivery Route Option 3A	Limerick		TDR_WCC_134	565125.38	658082.33	WCC	NA	Yes	SHANNON (LOWER)_060	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5147.08	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Regionally Important Aquifer
2788	Turbine Delivery Route Option 3A	Limerick	45875	TDR 25m intervals	565125.48	658085.24	NA	NA	Yes	SHANNON (LOWER)_060	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5128.78	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Regionally Important Aquifer
2789	Turbine Delivery Route Option 3A	Limerick	45800	TDR 25m intervals	565128.00	658110.10	NA	NA	Yes	SHANNON (LOWER)_060	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5111.11	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Regionally Important Aquifer
2790	Turbine Delivery Route Option 3A	Limerick	45775	TDR 25m intervals	565131.32	658134.88	NA	NA	Yes	SHANNON (LOWER)_060	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5094.08	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Regionally Important Aquifer

Appendix 10.3 - Baseline Database -Turbine Delivery Route, Option 3A
Oatfield WF, Co. Clare

Project Ref. 604569
Prepared by: Cca / DW
Date: 17/11/2023
File Ref: 604569-Geo-R03-App10.3-(00)-Baseline Database -Turbine Delivery Route

	TDR		Assessment Location		Grid Coordinates (ITM)		Construction Details		Surface Water				Groundwater / Bedrock Aquifer						Groundwater / Wells / Abstraction		Designated Areas			Assessment Graphics / Comment	
Row No.	Turbine Delivery Route (TDR)	County	Location ID	Assessment Location Category	Easting	Northing	Type of Water Crossing / Construction Activity	Approximate Construction Depth (Excavation / Drilling) Depth Relative to Ground Level)	SW 50m Buffer	Receptor Category (Mapped river = EPA / WFD mapped)	River basins	Subcatchments	Aquifer Vulnerability	Potential Depth to Bedrock (acc. To GSI categories)	GW Aquifer Type	Excavation in or near Bedrock (In line with GSI mapped Aquifer Vulnerability)	Karst 25m buffer	Distance to Karst Feature	GW Abstraction 250m Buffer	Groundwater Source Protection Area NFGWS	SAC 50m Buffer	SPA 50m Buffer	Within SAC / SPA / NHA ?	Map Tile Number	Comments & MITIGATION MEASURES
					ITM	ITM		mbGL	50m										250m						
2791	Turbine Delivery Route Option 3A	Limerick	46200	TDR 25m intervals	565135.20	658159.58	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5077.54	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2792	Turbine Delivery Route Option 3A	Limerick	46225	TDR 25m intervals	565139.63	658184.18	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5061.49	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2793	Turbine Delivery Route Option 3A	Limerick	46275	TDR 25m intervals	565144.63	658208.67	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5045.97	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2794	Turbine Delivery Route Option 3A	Limerick	72425	TDR 25m intervals	565150.30	658233.02	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5031.06	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2795	Turbine Delivery Route Option 3A	Limerick	46300	TDR 25m intervals	565156.71	658257.19	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5016.87	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2796	Turbine Delivery Route Option 3A	Limerick	46325	TDR 25m intervals	565163.90	658281.13	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5003.43	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2797	Turbine Delivery Route Option 3A	Limerick	46375	TDR 25m intervals	565171.74	658304.86	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	4990.67	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2798	Turbine Delivery Route Option 3A	Limerick	72400	TDR 25m intervals	565180.19	658328.39	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	4978.55	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2799	Turbine Delivery Route Option 3A	Limerick	46425	TDR 25m intervals	565189.21	658351.71	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	4967.07	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2800	Turbine Delivery Route Option 3A	Limerick	72375	TDR 25m intervals	565198.82	658374.79	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	4956.26	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2801	Turbine Delivery Route Option 3A	Limerick	46450	TDR 25m intervals	565208.98	658397.63	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	4946.10	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2802	Turbine Delivery Route Option 3A	Limerick	72350	TDR 25m intervals	565219.16	658420.45	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	4936.08	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2803	Turbine Delivery Route Option 3A	Limerick	46500	TDR 25m intervals	565228.25	658443.72	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	4925.08	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2804	Turbine Delivery Route Option 3A	Limerick	72325	TDR 25m intervals	565239.55	658466.02	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	4916.41	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2805	Turbine Delivery Route Option 3A	Limerick	46550	TDR 25m intervals	565251.79	658487.64	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	4908.99	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2806	Turbine Delivery Route Option 3A	Limerick	72300	TDR 25m intervals	565267.08	658507.32	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	4905.20	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2807	Turbine Delivery Route Option 3A	Limerick	46625	TDR 25m intervals	565280.22	658528.59	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	4898.89	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2808	Turbine Delivery Route Option 3A	Limerick	72275	TDR 25m intervals	565293.80	658549.58	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	4893.21	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2809	Turbine Delivery Route Option 3A	Limerick	72250	TDR 25m intervals	565307.82	658570.28	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	4888.16	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2810	Turbine Delivery Route Option 3A	Limerick	72225	TDR 25m intervals	565322.27	658590.67	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	4883.76	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2811	Turbine Delivery Route Option 3A	Limerick	72200	TDR 25m intervals	565337.17	658610.75	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	4880.03	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2812	Turbine Delivery Route Option 3A	Limerick	72150	TDR 25m intervals	565352.53	658630.47	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	4876.99	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2813	Turbine Delivery Route Option 3A	Limerick	72100	TDR 25m intervals	565368.35	658649.83	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	4874.66	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
2814	Turbine Delivery Route Option 3A	Limerick	72025	TDR 25m intervals	565384.59	658668.84	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	4873.01	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
2815	Turbine Delivery Route Option 3A	Limerick	71950	TDR 25m intervals	565401.22	658687.50	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	4872.00	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
2816	Turbine Delivery Route Option 3A	Limerick	71900	TDR 25m intervals	565418.20	658705.84	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	4871.61	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
2817	Turbine Delivery Route Option 3A	Limerick	71850	TDR 25m intervals	565435.57	658723.83	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	4871.86	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
2818	Turbine Delivery Route Option 3A	Limerick	71800	TDR 25m intervals	565453.23	658741.53	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	4872.65	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
2819	Turbine Delivery Route Option 3A	Limerick	71750	TDR 25m intervals	565471.15	658758.95	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	4873.95	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
2820	Turbine Delivery Route Option 3A	Limerick	71700	TDR 25m intervals	565489.49	658775.94	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	4875.98	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
2821	Turbine Delivery Route Option 3A	Limerick	71675	TDR 25m intervals	565508.29	658792.42	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	4878.82	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
2822	Turbine Delivery Route Option 3A	Limerick	71650	TDR 25m intervals	565527.67	658808.21	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	4882.68	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
2823	Turbine Delivery Route Option 3A	Limerick	71600	TDR 25m intervals	565547.59	658823.32	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	4887.51	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
2824	Turbine Delivery Route Option 3A	Limerick	71575	TDR 25m intervals	565567.94	658837.83	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	4893.20	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
2825	Turbine Delivery Route Option 3A	Limerick	71550	TDR 25m intervals	565588.60	658851.91	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	4899.51	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
2826	Turbine Delivery Route Option 3A	Limerick	71500	TDR 25m intervals	565609.48	658865.65	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	4906.34	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
2827	Turbine Delivery Route Option 3A	Limerick	71475	TDR 25m intervals	565630.50	658879.18	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	4913.52	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
2828	Turbine Delivery Route Option 3A	Limerick	71450	TDR 25m intervals	565651.62	658892.57	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	4920.99	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
2829	Turbine Delivery Route Option 3A	Limerick	71400	TDR 25m intervals	565672.79	658905.87	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	4928.67	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
2830	Turbine Delivery Route Option 3A	Limerick	71375	TDR 25m intervals	565693.99	658919.12	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	4936.52	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
2831	Turbine Delivery Route Option 3A	Limerick	71350	TDR 25m intervals	565715.19	658932.36	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	4944.49	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
2832	Turbine Delivery Route Option 3A	Limerick	71325	TDR 25m intervals	565736.36	658945.66	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	4952.51	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
2833	Turbine Delivery Route Option 3A	Limerick	71300	TDR 25m intervals	565757.47	658959.05	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	4960.54	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
2834	Turbine Delivery Route Option 3A	Limerick	71275	TDR 25m intervals	565778.48	658972.60	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	4968.52	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
2835	Turbine Delivery Route Option 3A	Limerick	47300	TDR 25m intervals	565799.37	658986.34	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	4976.38	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
2836	Turbine Delivery Route Option 3A	Limerick	71250	TDR 25m intervals	565820.05	659000.38	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	4984.01	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
2837	Turbine Delivery Route Option 3A	Limerick	71225	TDR 25m intervals	565840.47	659014.80	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Extreme (E)	1 to 3m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	4991.32	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
2838	Turbine Delivery Route Option 3A	Limerick	71200	TDR 25m intervals	565860.59	659029.64	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Extreme (E)	1 to 3m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	4998.24	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
2839	Turbine Delivery Route Option 3A	Limerick	71175	TDR 25m intervals	565880.36	659044.94	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Extreme (E)	1 to 3m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5004.73	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
2840	Turbine Delivery Route Option 3A	Limerick	71150	TDR 25m intervals	565899.71	659060.77	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Extreme (E)	1 to 3m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5010.68	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
2841	Turbine Delivery Route Option 3A	Limerick	47450	TDR 25m intervals	565918.67	659077.06	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Extreme (E)	1 to 3m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5016.16	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer

Appendix 10.3 - Baseline Database -Turbine Delivery Route, Option 3A
Oatfield WF, Co. Clare

Project Ref. 604569
Prepared by: Cca / DW
Date: 17/11/2023
File Ref: 604569-Geo-R03-App10.3-(00)-Baseline Database -Turbine Delivery Route

	TDR		Assessment Location		Grid Coordinates (ITM)		Construction Details		Surface Water				Groundwater / Bedrock Aquifer						Groundwater / Wells / Abstraction		Designated Areas			Assessment Graphics / Comment	
Row No.	Turbine Delivery Route (TDR)	County	Location ID	Assessment Location Category	Easting	Northing	Type of Water Crossing / Construction Activity	Approximate Construction Depth (Excavation / Drilling) Depth Relative to Ground Level)	SW 50m Buffer	Receptor Category (Mapped river = EPA / WFD mapped)	River basins	Subcatchments	Aquifer Vulnerability	Potential Depth to Bedrock (acc. To GSI categories)	GW Aquifer Type	Excavation in or near Bedrock (In line with GSI mapped Aquifer Vulnerability)	Karst 25m buffer	Distance to Karst Feature	GW Abstraction 250m Buffer	Groundwater Source Protection Area NFGWS	SAC 50m Buffer	SPA 50m Buffer	Within SAC / SPA / NHA ?	Map Tile Number	Comments & MITIGATION MEASURES
					ITM	ITM		mbGL	50m										250m						
2842	Turbine Delivery Route Option 3A	Limerick	71125	TDR 25m intervals	565937.13	659093.92	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Extreme (E)	1 to 3m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5021.02	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
2843	Turbine Delivery Route Option 3A	Limerick	71100	TDR 25m intervals	565955.16	659111.23	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Extreme (E)	1 to 3m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5025.38	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
2844	Turbine Delivery Route Option 3A	Limerick	71075	TDR 25m intervals	565972.62	659129.13	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Extreme (E)	1 to 3m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5029.05	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
2845	Turbine Delivery Route Option 3A	Limerick	47550	TDR 25m intervals	565989.55	659147.52	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Extreme (E)	1 to 3m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5032.14	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
2846	Turbine Delivery Route Option 3A	Limerick	71050	TDR 25m intervals	566005.85	659166.47	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5034.51	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2847	Turbine Delivery Route Option 3A	Limerick	71025	TDR 25m intervals	566021.60	659185.88	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5036.29	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2848	Turbine Delivery Route Option 3A	Limerick	47625	TDR 25m intervals	566036.76	659205.76	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5037.43	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2849	Turbine Delivery Route Option 3A	Limerick	71000	TDR 25m intervals	566051.42	659226.01	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5038.08	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2850	Turbine Delivery Route Option 3A	Limerick	70975	TDR 25m intervals	566065.50	659246.67	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5038.15	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2851	Turbine Delivery Route Option 3A	Limerick	47700	TDR 25m intervals	566079.11	659267.64	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5037.77	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2852	Turbine Delivery Route Option 3A	Limerick	70950	TDR 25m intervals	566092.23	659288.92	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5036.94	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2853	Turbine Delivery Route Option 3A	Limerick	47750	TDR 25m intervals	566104.82	659310.52	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5035.62	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2854	Turbine Delivery Route Option 3A	Limerick	70925	TDR 25m intervals	566116.97	659332.36	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5033.91	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2855	Turbine Delivery Route Option 3A	Limerick	47800	TDR 25m intervals	566128.67	659354.46	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5031.81	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2856	Turbine Delivery Route Option 3A	Limerick	70900	TDR 25m intervals	566139.89	659376.80	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5029.30	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2857	Turbine Delivery Route Option 3A	Limerick	47850	TDR 25m intervals	566150.58	659399.40	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5026.33	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2858	Turbine Delivery Route Option 3A	Limerick	70875	TDR 25m intervals	566160.72	659422.25	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5022.89	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2859	Turbine Delivery Route Option 3A	Limerick	47900	TDR 25m intervals	566170.34	659445.32	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5018.99	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2860	Turbine Delivery Route Option 3A	Limerick	47950	TDR 25m intervals	566179.41	659468.62	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5014.65	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2861	Turbine Delivery Route Option 3A	Limerick	70850	TDR 25m intervals	566187.95	659492.11	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5009.85	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2862	Turbine Delivery Route Option 3A	Limerick	47975	TDR 25m intervals	566195.96	659515.79	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5004.64	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2863	Turbine Delivery Route Option 3A	Limerick	48025	TDR 25m intervals	566203.50	659539.63	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	4999.06	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2864	Turbine Delivery Route Option 3A	Limerick	70825	TDR 25m intervals	566210.61	659563.59	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	4993.15	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2865	Turbine Delivery Route Option 3A	Limerick	48050	TDR 25m intervals	566217.30	659587.68	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	4986.95	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2866	Turbine Delivery Route Option 3A	Limerick	48075	TDR 25m intervals	566223.58	659611.88	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	4980.44	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2867	Turbine Delivery Route Option 3A	Limerick	48125	TDR 25m intervals	566229.44	659636.18	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	4973.64	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2868	Turbine Delivery Route Option 3A	Limerick	70800	TDR 25m intervals	566234.84	659660.59	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	4966.50	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2869	Turbine Delivery Route Option 3A	Limerick	48150	TDR 25m intervals	566239.74	659685.10	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	4958.99	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2870	Turbine Delivery Route Option 3A	Limerick	48175	TDR 25m intervals	566244.08	659709.72	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	4951.04	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
2871	Turbine Delivery Route Option 3A	Limerick	48200	TDR 25m intervals	566247.81	659734.44	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Moderate (M)	5 to 10m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	4942.63	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
2872	Turbine Delivery Route Option 3A	Limerick	48250	TDR 25m intervals	566250.94	659759.25	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Moderate (M)	5 to 10m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	4933.76	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
2873	Turbine Delivery Route Option 3A	Limerick	48275	TDR 25m intervals	566253.65	659784.10	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Moderate (M)	5 to 10m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	4924.61	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
2874	Turbine Delivery Route Option 3A	Limerick	48300	TDR 25m intervals	566256.05	659808.98	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Moderate (M)	5 to 10m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	4915.28	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
2875	Turbine Delivery Route Option 3A	Limerick	70775	TDR 25m intervals	566258.36	659833.88	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Moderate (M)	5 to 10m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	4905.96	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
2876	Turbine Delivery Route Option 3A	Limerick	48325	TDR 25m intervals	566260.71	659858.76	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Moderate (M)	5 to 10m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	4896.80	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
2877	Turbine Delivery Route Option 3A	Limerick	48350	TDR 25m intervals	566263.25	659883.63	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Moderate (M)	5 to 10m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	4887.93	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
2878	Turbine Delivery Route Option 3A	Limerick	48375	TDR 25m intervals	566266.09	659908.47	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Moderate (M)	5 to 10m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	4879.45	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
2879	Turbine Delivery Route Option 3A	Limerick	48400	TDR 25m intervals	566269.30	659933.26	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Moderate (M)	5 to 10m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	4871.44	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer

Appendix 10.3 - Baseline Database -Turbine Delivery Route, Option 3A
Oatfield WF, Co. Clare

Project Ref. 604569
Prepared by: Cca / DW
Date: 17/11/2023
File Ref: 604569-Geo-R03-App10.3-(00)-Baseline Database -Turbine Delivery Route

	TDR		Assessment Location		Grid Coordinates (ITM)		Construction Details		Surface Water				Groundwater / Bedrock Aquifer						Groundwater / Wells / Abstraction		Designated Areas			Assessment Graphics / Comment	
Row No.	Turbine Delivery Route (TDR)	County	Location ID	Assessment Location Category	Easting	Northing	Type of Water Crossing / Construction Activity	Approximate Construction Depth (Excavation / Drilling) Depth Relative to Ground Level)	SW 50m Buffer	Receptor Category (Mapped river = EPA / WFD mapped)	River basins	Subcatchments	Aquifer Vulnerability	Potential Depth to Bedrock (acc. To GSI categories)	GW Aquifer Type	Excavation in or near Bedrock (In line with GSI mapped Aquifer Vulnerability)	Karst 25m buffer	Distance to Karst Feature	GW Abstraction 250m Buffer	Groundwater Source Protection Area NFGWS	SAC 50m Buffer	SPA 50m Buffer	Within SAC / SPA / NHA ?	Map Tile Number	Comments & MITIGATION MEASURES
					ITM	ITM		mbGL	50m										250m						
2880	Turbine Delivery Route Option 3A	Limerick	48450	TDR 25m intervals	566272.97	659957.99	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Moderate (M)	5 to 10m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	4863.99	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
2881	Turbine Delivery Route Option 3A	Limerick	48475	TDR 25m intervals	566277.20	659982.63	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Moderate (M)	5 to 10m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	4857.19	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
2882	Turbine Delivery Route Option 3A	Limerick	70750	TDR 25m intervals	566282.06	660007.15	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Moderate (M)	5 to 10m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	4851.15	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
2883	Turbine Delivery Route Option 3A	Limerick	48500	TDR 25m intervals	566287.55	660031.54	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Moderate (M)	5 to 10m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	4845.84	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
2884	Turbine Delivery Route Option 3A	Limerick	48525	TDR 25m intervals	566293.53	660055.82	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Moderate (M)	5 to 10m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	4841.16	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
2885	Turbine Delivery Route Option 3A	Limerick	48575	TDR 25m intervals	566299.93	660079.98	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Moderate (M)	5 to 10m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	4837.03	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
2886	Turbine Delivery Route Option 3A	Limerick	70725	TDR 25m intervals	566306.69	660104.05	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Moderate (M)	5 to 10m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	4833.39	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
2887	Turbine Delivery Route Option 3A	Limerick	48600	TDR 25m intervals	566313.75	660128.03	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	4830.18	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
2888	Turbine Delivery Route Option 3A	Limerick	48650	TDR 25m intervals	566321.05	660151.94	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	4827.36	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
2889	Turbine Delivery Route Option 3A	Limerick	70700	TDR 25m intervals	566328.55	660175.79	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	4824.87	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
2890	Turbine Delivery Route Option 3A	Limerick	48675	TDR 25m intervals	566336.29	660199.56	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	4822.76	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
2891	Turbine Delivery Route Option 3A	Limerick	48725	TDR 25m intervals	566344.33	660223.23	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	4821.09	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
2892	Turbine Delivery Route Option 3A	Limerick	70675	TDR 25m intervals	566352.71	660246.79	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	4819.91	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
2893	Turbine Delivery Route Option 3A	Limerick	48750	TDR 25m intervals	566361.50	660270.19	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	4819.31	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
2894	Turbine Delivery Route Option 3A	Limerick	48800	TDR 25m intervals	566370.70	660293.44	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	4819.26	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
2895	Turbine Delivery Route Option 3A	Limerick	70650	TDR 25m intervals	566380.28	660316.53	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	4819.77	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
2896	Turbine Delivery Route Option 3A	Limerick	48850	TDR 25m intervals	566390.25	660339.45	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	4820.81	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
2897	Turbine Delivery Route Option 3A	Limerick	70625	TDR 25m intervals	566400.57	660362.22	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	4822.38	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
2898	Turbine Delivery Route Option 3A	Limerick	48875	TDR 25m intervals	566411.24	660384.83	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	4824.45	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
2899	Turbine Delivery Route Option 3A	Limerick	70600	TDR 25m intervals	566422.25	660407.28	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	4827.03	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
2900	Turbine Delivery Route Option 3A	Limerick	48925	TDR 25m intervals	566433.61	660429.54	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	4830.13	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
2901	Turbine Delivery Route Option 3A	Limerick	70575	TDR 25m intervals	566445.35	660451.61	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	4833.78	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone Regionally Important Aquifer
2902	Turbine Delivery Route Option 3A	Limerick	48975	TDR 25m intervals	566457.52	660473.45	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	4838.03	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2903	Turbine Delivery Route Option 3A	Limerick	70550	TDR 25m intervals	566470.15	660495.03	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	4842.94	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2904	Turbine Delivery Route Option 3A	Limerick	49025	TDR 25m intervals	566483.34	660516.26	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	4848.61	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2905	Turbine Delivery Route Option 3A	Limerick	70525	TDR 25m intervals	566497.08	660537.15	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	4855.03	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2906	Turbine Delivery Route Option 3A	Limerick	70500	TDR 25m intervals	566511.32	660557.70	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	4862.15	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2907	Turbine Delivery Route Option 3A	Limerick	49100	TDR 25m intervals	566526.02	660577.91	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	4869.93	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2908	Turbine Delivery Route Option 3A	Limerick	70475	TDR 25m intervals	566541.16	660597.81	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	4878.33	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2909	Turbine Delivery Route Option 3A	Limerick	70450	TDR 25m intervals	566556.67	660617.42	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	4887.30	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2910	Turbine Delivery Route Option 3A	Limerick	49175	TDR 25m intervals	566572.45	660636.80	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	4896.70	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2911	Turbine Delivery Route Option 3A	Limerick	70425	TDR 25m intervals	566588.48	660655.99	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	4906.50	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2912	Turbine Delivery Route Option 3A	Limerick	70400	TDR 25m intervals	566604.73	660674.98	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	4916.68	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2913	Turbine Delivery Route Option 3A	Limerick	49250	TDR 25m intervals	566621.20	660693.80	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Extreme (E)	1 to 3m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	4927.22	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2914	Turbine Delivery Route Option 3A	Limerick	70375	TDR 25m intervals	566637.85	660712.44	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Extreme (E)	1 to 3m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	4938.09	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2915	Turbine Delivery Route Option 3A	Limerick	70350	TDR 25m intervals	566654.68	660730.92	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	4949.28	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2916	Turbine Delivery Route Option 3A	Limerick	49325	TDR 25m intervals	566671.68	660749.26	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	4960.77	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2917	Turbine Delivery Route Option 3A	Limerick	70325	TDR 25m intervals	566688.83	660767.45	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	4972.53	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2918	Turbine Delivery Route Option 3A	Limerick	70300	TDR 25m intervals	566706.08	660785.54	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	4984.53	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2919	Turbine Delivery Route Option 3A	Limerick	70275	TDR 25m intervals	566723.40	660803.58	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	4996.70	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2920	Turbine Delivery Route Option 3A	Limerick	70250	TDR 25m intervals	566740.73	660821.59	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5008.99	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2921	Turbine Delivery Route Option 3A	Limerick	70225	TDR 25m intervals	566758.06	660839.60	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Moderate (M)	5 to 10m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5021.36	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2922	Turbine Delivery Route Option 3A	Limerick	70200	TDR 25m intervals	566775.35	660857.66	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Moderate (M)	5 to 10m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5033.78	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2923	Turbine Delivery Route Option 3A	Limerick	70175	TDR 25m intervals	566792.58	660875.78	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Moderate (M)	5 to 10m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5046.22	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2924	Turbine Delivery Route Option 3A	Limerick	70150	TDR 25m intervals	566809.74	660893.96	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Moderate (M)	5 to 10m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5058.66	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2925	Turbine Delivery Route Option 3A	Limerick	70100	TDR 25m intervals	566826.80	660912.23	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Moderate (M)	5 to 10m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5071.09	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2926	Turbine Delivery Route Option 3A	Limerick	70075	TDR 25m intervals	566843.76	660930.60	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Moderate (M)	5 to 10m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5083.49	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2927	Turbine Delivery Route Option 3A	Limerick	70025	TDR 25m intervals	566860.58	660949.09	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Moderate (M)	5 to 10m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5095.82	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2928	Turbine Delivery Route Option 3A	Limerick	69975	TDR 25m intervals	566877.30	660967.69	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Moderate (M)	5 to 10m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5108.12	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2929	Turbine Delivery Route Option 3A	Limerick	69925	TDR 25m intervals	566893.90	660986.38	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Moderate (M)	5 to 10m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5120.37	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2930	Turbine Delivery Route Option 3A	Limerick	69875	TDR 25m intervals	566910.34	661005.21	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Moderate (M)	5 to 10m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5132.54	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2931	Turbine Delivery Route Option 3A	Limerick	69850	TDR 25m intervals	566926.61	661024.19	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Moderate (M)	5 to 10m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5144.59	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2932	Turbine Delivery Route Option 3A	Limerick	69800	TDR 25m intervals	566942.72	661043.31	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Moderate (M)	5 to 10m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5156.56	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2933	Turbine Delivery Route Option 3A	Limerick	69750	TDR 25m intervals	566958.69	661062.54	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Moderate (M)	5 to 10m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5168.46	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer

Appendix 10.3 - Baseline Database -Turbine Delivery Route, Option 3A
Oatfield WF, Co. Clare

Project Ref. 604569
Prepared by: Cca / DW
Date: 17/11/2023
File Ref: 604569-Geo-R03-App10.3-(00)-Baseline Database -Turbine Delivery Route

	TDR		Assessment Location		Grid Coordinates (ITM)		Construction Details		Surface Water				Groundwater / Bedrock Aquifer						Groundwater / Wells / Abstraction		Designated Areas			Assessment Graphics / Comment	
Row No.	Turbine Delivery Route (TDR)	County	Location ID	Assessment Location Category	Easting	Northing	Type of Water Crossing / Construction Activity	Approximate Construction Depth (Excavation / Drilling) Depth Relative to Ground Level)	SW 50m Buffer	Receptor Category (Mapped river = EPA / WFD mapped)	River basins	Subcatchments	Aquifer Vulnerability	Potential Depth to Bedrock (acc. To GSI categories)	GW Aquifer Type	Excavation in or near Bedrock (In line with GSI mapped Aquifer Vulnerability)	Karst 25m buffer	Distance to Karst Feature	GW Abstraction 250m Buffer	Groundwater Source Protection Area NFGWS	SAC 50m Buffer	SPA 50m Buffer	Within SAC / SPA / NHA ?	Map Tile Number	Comments & MITIGATION MEASURES
					ITM	ITM		mbGL	50m										250m						
2934	Turbine Delivery Route Option 3A	Limerick	69725	TDR 25m intervals	566974.37	661082.01	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Moderate (M)	5 to 10m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5180.13	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2935	Turbine Delivery Route Option 3A	Limerick	69675	TDR 25m intervals	566989.84	661101.65	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Moderate (M)	5 to 10m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5191.65	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2936	Turbine Delivery Route Option 3A	Limerick	69625	TDR 25m intervals	567005.09	661121.46	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Moderate (M)	5 to 10m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5203.02	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2937	Turbine Delivery Route Option 3A	Limerick	69600	TDR 25m intervals	567020.07	661141.47	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Moderate (M)	5 to 10m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5214.18	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2938	Turbine Delivery Route Option 3A	Limerick	69550	TDR 25m intervals	567034.68	661161.76	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Moderate (M)	5 to 10m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5225.03	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2939	Turbine Delivery Route Option 3A	Limerick	69525	TDR 25m intervals	567049.03	661182.23	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Moderate (M)	5 to 10m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5235.68	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2940	Turbine Delivery Route Option 3A	Limerick	69475	TDR 25m intervals	567063.10	661202.89	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Moderate (M)	5 to 10m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5246.13	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2941	Turbine Delivery Route Option 3A	Limerick	69450	TDR 25m intervals	567076.90	661223.74	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Moderate (M)	5 to 10m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5256.38	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2942	Turbine Delivery Route Option 3A	Limerick	69425	TDR 25m intervals	567090.33	661244.82	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Moderate (M)	5 to 10m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5266.32	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2943	Turbine Delivery Route Option 3A	Limerick	69375	TDR 25m intervals	567103.48	661266.09	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Moderate (M)	5 to 10m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5276.05	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2944	Turbine Delivery Route Option 3A	Limerick	69350	TDR 25m intervals	567116.34	661287.52	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Moderate (M)	5 to 10m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5285.59	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2945	Turbine Delivery Route Option 3A	Limerick	69325	TDR 25m intervals	567128.94	661309.12	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Moderate (M)	5 to 10m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5294.93	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2946	Turbine Delivery Route Option 3A	Limerick	69275	TDR 25m intervals	567141.26	661330.87	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Moderate (M)	5 to 10m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5304.09	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2947	Turbine Delivery Route Option 3A	Limerick	69250	TDR 25m intervals	567153.27	661352.80	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Moderate (M)	5 to 10m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5313.01	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2948	Turbine Delivery Route Option 3A	Limerick	69225	TDR 25m intervals	567165.03	661374.86	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Moderate (M)	5 to 10m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5321.77	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2949	Turbine Delivery Route Option 3A	Limerick	69200	TDR 25m intervals	567176.58	661397.03	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5330.41	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2950	Turbine Delivery Route Option 3A	Limerick	69175	TDR 25m intervals	567187.91	661419.31	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5338.92	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2951	Turbine Delivery Route Option 3A	Limerick	69150	TDR 25m intervals	567199.05	661441.70	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5347.34	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2952	Turbine Delivery Route Option 3A	Limerick	69125	TDR 25m intervals	567210.00	661464.17	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5355.66	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2953	Turbine Delivery Route Option 3A	Limerick	69100	TDR 25m intervals	567220.79	661486.72	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5363.91	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2954	Turbine Delivery Route Option 3A	Limerick	69075	TDR 25m intervals	567231.41	661509.35	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5372.10	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2955	Turbine Delivery Route Option 3A	Limerick	69050	TDR 25m intervals	567241.91	661532.04	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5380.25	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2956	Turbine Delivery Route Option 3A	Limerick	69025	TDR 25m intervals	567252.29	661554.79	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5388.39	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2957	Turbine Delivery Route Option 3A	Limerick	69000	TDR 25m intervals	567262.54	661577.58	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5396.51	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2958	Turbine Delivery Route Option 3A	Limerick	68975	TDR 25m intervals	567272.68	661600.44	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5404.60	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2959	Turbine Delivery Route Option 3A	Limerick	68950	TDR 25m intervals	567282.73	661623.33	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5412.70	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2960	Turbine Delivery Route Option 3A	Limerick	68925	TDR 25m intervals	567292.69	661646.26	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5420.82	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2961	Turbine Delivery Route Option 3A	Limerick	68900	TDR 25m intervals	567302.60	661669.21	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Moderate (M)	5 to 10m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5429.00	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2962	Turbine Delivery Route Option 3A	Limerick	68875	TDR 25m intervals	567312.48	661692.17	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Moderate (M)	5 to 10m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5437.24	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2963	Turbine Delivery Route Option 3A	Limerick	68850	TDR 25m intervals	567322.36	661715.14	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Moderate (M)	5 to 10m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5445.58	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2964	Turbine Delivery Route Option 3A	Limerick	68825	TDR 25m intervals	567332.23	661738.11	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Moderate (M)	5 to 10m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5454.02	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2965	Turbine Delivery Route Option 3A	Limerick	68800	TDR 25m intervals	567342.12	661761.07	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Moderate (M)	5 to 10m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5462.58	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2966	Turbine Delivery Route Option 3A	Limerick	68775	TDR 25m intervals	567352.04	661784.02	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	Moderate (M)	5 to 10m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5471.27	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2967	Turbine Delivery Route Option 3A	Limerick	68750	TDR 25m intervals	567361.99	661806.95	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5480.09	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2968	Turbine Delivery Route Option 3A	Limerick	68725	TDR 25m intervals	567371.98	661829.87	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5489.05	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2969	Turbine Delivery Route Option 3A	Limerick	68700	TDR 25m intervals	567382.03	661852.76	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5498.17	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2970	Turbine Delivery Route Option 3A	Limerick	68675	TDR 25m intervals	567392.13	661875.63	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5507.44	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2971	Turbine Delivery Route Option 3A	Limerick	68650	TDR 25m intervals	567402.27	661898.48	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5516.85	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2972	Turbine Delivery Route Option 3A	Limerick	68625	TDR 25m intervals	567412.53	661921.28	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5526.48	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2973	Turbine Delivery Route Option 3A	Limerick	68600	TDR 25m intervals	567422.87	661944.04	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5536.28	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2974	Turbine Delivery Route Option 3A	Limerick	68575	TDR 25m intervals	567433.28	661966.77	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5546.25	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2975	Turbine Delivery Route Option 3A	Limerick	68550	TDR 25m intervals	567443.85	661989.42	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5556.48	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2976	Turbine Delivery Route Option 3A	Limerick	68525	TDR 25m intervals	567454.55	662012.02	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5566.92	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2977	Turbine Delivery Route Option 3A	Limerick	68500	TDR 25m intervals	567465.36	662034.56	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5577.58	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2978	Turbine Delivery Route Option 3A	Limerick	68475	TDR 25m intervals	567476.30	662057.04	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5588.45	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2979	Turbine Delivery Route Option 3A	Limerick	68450	TDR 25m intervals	567487.40	662079.44	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5599.58	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2980	Turbine Delivery Route Option 3A	Limerick	68425	TDR 25m intervals	567498.64	662101.77	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5610.93	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2981	Turbine Delivery Route Option 3A	Limerick	68400	TDR 25m intervals	567510.00	662124.04	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5622.49	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2982	Turbine Delivery Route Option 3A	Limerick	68375	TDR 25m intervals	567521.47	662146.25	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5634.25	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2983	Turbine Delivery Route Option 3A	Limerick	68350	TDR 25m intervals	567533.06	662168.40	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5646.21	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2984	Turbine Delivery Route Option 3A	Limerick	68300	TDR 25m intervals	567544.78	662190.49	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5658.38	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2985	Turbine Delivery Route Option 3A	Limerick	68275	TDR 25m intervals	567556.59	662212.52	NA	NA	No	NA	SHANNON (LOWER)_060	Shannon[Lower]_SC_090	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5670.74	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2986	Turbine Delivery Route Option 3A	Limerick	68250	TDR 25m intervals	567568.49	662234.51	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	High (H)	3 to 5m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5683.26	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2987	Turbine Delivery Route Option 3A	Limerick	68225	TDR 25m intervals	567580.48	662256.44	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	Moderate (M)	5 to 10m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5695.95	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2988	Turbine Delivery Route Option 3A	Limerick	68200	TDR 25m intervals	567592.56	662278.33	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	Moderate (M)	5 to 10m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5708.81	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2989	Turbine Delivery Route Option 3A	Limerick	68150	TDR 25m intervals	567604.77	662300.15	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	Moderate (M)	5 to 10m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5721.87	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2990	Turbine Delivery Route Option 3A	Limerick	68125	TDR 25m intervals	567617.07	662321.91	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	Moderate (M)	5 to 10m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5735.11	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2991	Turbine Delivery Route Option 3A	Limerick	68100	TDR 25m intervals	567629.49	662343.61	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	Moderate (M)	5 to 10m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5748.53	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2992	Turbine Delivery Route Option 3A	Limerick	68075	TDR 25m intervals	567642.01	662365.25	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	Moderate (M)	5 to 10m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5762.14	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2993	Turbine Delivery Route Option 3A	Limerick	68025	TDR 25m intervals	567654.66	662386.81	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	Moderate (M)	5 to 10m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5775.95	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2994	Turbine Delivery Route Option 3A	Limerick	68000	TDR 25m intervals	567667.48	662408.27	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	Moderate (M)	5 to 10m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5789.99	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2995	Turbine Delivery Route Option 3A	Limerick	67975	TDR 25m intervals	567680.47	662429.64	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	Moderate (M)	5 to 10m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5804.27	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2996	Turbine Delivery Route Option 3A	Limerick	67925	TDR 25m intervals	567693.60	662450.91	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	Moderate (M)	5 to 10m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5818.76	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2997	Turbine Delivery Route Option 3A	Limerick	67900	TDR 25m intervals	567706.85	662472.11	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	Moderate (M)	5 to 10m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5833.43	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
2998	Turbine Delivery Route Option 3A	Limerick	67875	TDR 25m intervals	567720.20	662493.25	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	Moderate (M)	5 to 10m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5848.27	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer

	TDR		Assessment Location		Grid Coordinates (ITM)		Construction Details		Surface Water				Groundwater / Bedrock Aquifer						Groundwater / Wells / Abstraction		Designated Areas			Assessment Graphics / Comment	
Row No.	Turbine Delivery Route (TDR)	County	Location ID	Assessment Location Category	Easting	Northing	Type of Water Crossing / Construction Activity	Approximate Construction Depth (Excavation / Drilling) Depth Relative to Ground Level)	SW 50m Buffer	Receptor Category (Mapped river = EPA / WFD mapped)	River basins	Subcatchments	Aquifer Vulnerability	Potential Depth to Bedrock (acc. To GSI categories)	GW Aquifer Type	Excavation in or near Bedrock (In line with GSI mapped Aquifer Vulnerability)	Karst 25m buffer	Distance to Karst Feature	GW Abstraction 250m Buffer	Groundwater Source Protection Area NFGWS	SAC 50m Buffer	SPA 50m Buffer	Within SAC / SPA / NHA ?	Map Tile Number	Comments & MITIGATION MEASURES
					ITM	ITM		mbGL	50m										250m						
2999	Turbine Delivery Route Option 3A	Limerick	67850	TDR 25m intervals	567733.61	662514.35	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	Moderate (M)	5 to 10m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5863.23	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
3000	Turbine Delivery Route Option 3A	Limerick	67825	TDR 25m intervals	567747.03	662535.44	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	Low (L)	>10m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5878.28	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
3001	Turbine Delivery Route Option 3A	Limerick	67775	TDR 25m intervals	567760.42	662556.55	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	Low (L)	>10m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5893.36	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
3002	Turbine Delivery Route Option 3A	Limerick	67750	TDR 25m intervals	567773.75	662577.70	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	Low (L)	>10m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5908.45	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
3003	Turbine Delivery Route Option 3A	Limerick	67725	TDR 25m intervals	567786.97	662598.92	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	Low (L)	>10m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5923.51	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
3004	Turbine Delivery Route Option 3A	Limerick	67700	TDR 25m intervals	567800.08	662620.21	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	Low (L)	>10m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5938.53	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
3005	Turbine Delivery Route Option 3A	Limerick	67675	TDR 25m intervals	567813.09	662641.56	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	Low (L)	>10m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5953.52	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
3006	Turbine Delivery Route Option 3A	Limerick	67650	TDR 25m intervals	567826.00	662662.96	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	Low (L)	>10m	(Rkd) Regionally Important Aquifer - Karstified (diffuse)	NA	NA	5968.49	No	No	No	No	No		ELEVATED RISK Regionally Important Aquifer
3007	Turbine Delivery Route Option 3A	Limerick	67625	TDR 25m intervals	567838.85	662684.41	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5983.47	No	No	No	No	No		NA
3008	Turbine Delivery Route Option 3A	Limerick	67600	TDR 25m intervals	567851.65	662705.88	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	5998.46	No	No	No	No	No		NA
3009	Turbine Delivery Route Option 3A	Limerick	67550	TDR 25m intervals	567864.40	662727.39	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6013.48	No	No	No	No	No		NA
3010	Turbine Delivery Route Option 3A	Limerick	51675	TDR 25m intervals	567877.13	662748.90	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6028.55	No	No	No	No	No		NA
3011	Turbine Delivery Route Option 3A	Limerick	67525	TDR 25m intervals	567889.83	662770.44	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6043.66	No	No	No	No	No		NA
3012	Turbine Delivery Route Option 3A	Limerick	67500	TDR 25m intervals	567902.52	662791.98	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6058.82	No	No	No	No	No		NA
3013	Turbine Delivery Route Option 3A	Limerick	67475	TDR 25m intervals	567915.21	662813.52	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6074.04	No	No	No	No	No		NA
3014	Turbine Delivery Route Option 3A	Limerick	51775	TDR 25m intervals	567927.88	662835.07	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6089.32	No	No	No	No	No		NA
3015	Turbine Delivery Route Option 3A	Limerick	67450	TDR 25m intervals	567940.54	662856.62	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6104.64	No	No	No	No	No		NA
3016	Turbine Delivery Route Option 3A	Limerick	67425	TDR 25m intervals	567953.17	662878.20	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6120.01	No	No	No	No	No		NA
3017	Turbine Delivery Route Option 3A	Limerick	51850	TDR 25m intervals	567965.75	662899.81	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6135.38	No	No	No	No	No		NA
3018	Turbine Delivery Route Option 3A	Limerick	67400	TDR 25m intervals	567978.27	662921.44	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6150.78	No	No	No	No	No		NA
3019	Turbine Delivery Route Option 3A	Limerick	67375	TDR 25m intervals	567990.74	662943.11	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6166.18	No	No	No	No	No		NA
3020	Turbine Delivery Route Option 3A	Limerick	51925	TDR 25m intervals	568003.13	662964.83	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6181.58	No	No	No	No	No		NA
3021	Turbine Delivery Route Option 3A	Limerick	67350	TDR 25m intervals	568015.40	662986.60	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6196.94	No	No	No	No	No		NA
3022	Turbine Delivery Route Option 3A	Limerick	51975	TDR 25m intervals	568027.56	663008.45	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6212.25	No	No	No	No	No		NA
3023	Turbine Delivery Route Option 3A	Limerick	67325	TDR 25m intervals	568039.60	663030.36	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6227.52	No	No	No	No	No		NA
3024	Turbine Delivery Route Option 3A	Limerick	67300	TDR 25m intervals	568051.52	663052.33	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6242.75	No	No	No	No	No		NA
3025	Turbine Delivery Route Option 3A	Limerick	52050	TDR 25m intervals	568063.35	663074.36	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6257.95	No	No	No	No	No		NA
3026	Turbine Delivery Route Option 3A	Limerick	67275	TDR 25m intervals	568075.11	663096.42	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6273.16	No	No	No	No	No		NA
3027	Turbine Delivery Route Option 3A	Limerick	52125	TDR 25m intervals	568086.85	663118.49	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6288.41	No	No	No	No	No		NA
3028	Turbine Delivery Route Option 3A	Limerick	67250	TDR 25m intervals	568098.61	663140.56	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6303.74	No	No	No	No	No		NA
3029	Turbine Delivery Route Option 3A	Limerick	67225	TDR 25m intervals	568110.39	663162.60	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6319.16	No	No	No	No	No		NA
3030	Turbine Delivery Route Option 3A	Limerick	52175	TDR 25m intervals	568122.23	663184.62	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6334.68	No	No	No	No	No		NA
3031	Turbine Delivery Route Option 3A	Limerick	67200	TDR 25m intervals	568134.16	663206.59	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6350.35	No	No	No	No	No		NA
3032	Turbine Delivery Route Option 3A	Limerick	52225	TDR 25m intervals	568146.17	663228.52	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6366.14	No	No	No	No	No		NA
3033	Turbine Delivery Route Option 3A	Limerick	67175	TDR 25m intervals	568158.23	663250.42	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6382.04	No	No	No	No	No		NA
3034	Turbine Delivery Route Option 3A	Limerick	67150	TDR 25m intervals	568170.43	663272.24	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6398.12	No	No	No	No	No		NA
3035	Turbine Delivery Route Option 3A	Limerick	52300	TDR 25m intervals	568182.66	663294.04	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6414.28	No	No	No	No	No		NA
3036	Turbine Delivery Route Option 3A	Limerick	67125	TDR 25m intervals	568194.98	663315.79	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6430.58	No	No	No	No	No		NA
3037	Turbine Delivery Route Option 3A	Limerick	52375	TDR 25m intervals	568207.36	663337.51	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6446.99	No	No	No	No	No		NA

Appendix 10.3 - Baseline Database -Turbine Delivery Route, Option 3A
Oatfield WF, Co. Clare

Project Ref. 604569
Prepared by: Cca / DW
Date: 17/11/2023
File Ref: 604569-Geo-R03-App10.3-(00)-Baseline Database -Turbine Delivery Route

	TDR		Assessment Location		Grid Coordinates (ITM)		Construction Details		Surface Water				Groundwater / Bedrock Aquifer						Groundwater / Wells / Abstraction		Designated Areas			Assessment Graphics / Comment	
Row No.	Turbine Delivery Route (TDR)	County	Location ID	Assessment Location Category	Easting	Northing	Type of Water Crossing / Construction Activity	Approximate Construction Depth (Excavation / Drilling) Depth Relative to Ground Level)	SW 50m Buffer	Receptor Category (Mapped river = EPA / WFD mapped)	River basins	Subcatchments	Aquifer Vulnerability	Potential Depth to Bedrock (acc. To GSI categories)	GW Aquifer Type	Excavation in or near Bedrock (In line with GSI mapped Aquifer Vulnerability)	Karst 25m buffer	Distance to Karst Feature	GW Abstraction 250m Buffer	Groundwater Source Protection Area NFGWS	SAC 50m Buffer	SPA 50m Buffer	Within SAC / SPA / NHA ?	Map Tile Number	Comments & MITIGATION MEASURES
					ITM	ITM		mbGL	50m										250m						
3038	Turbine Delivery Route Option 3A	Limerick	67100	TDR 25m intervals	568219.80	663359.20	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6463.50	No	No	No	No	No		NA
3039	Turbine Delivery Route Option 3A	Limerick	67075	TDR 25m intervals	568232.31	663380.85	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6480.13	No	No	No	No	No		NA
3040	Turbine Delivery Route Option 3A	Tipperary	52450	TDR 25m intervals	568244.85	663402.47	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6496.84	No	No	No	No	No		NA
3041	Turbine Delivery Route Option 3A	Tipperary	67050	TDR 25m intervals	568257.49	663424.04	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6513.68	No	No	No	No	No		NA
3042	Turbine Delivery Route Option 3A	Tipperary	67025	TDR 25m intervals	568270.15	663445.60	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6530.60	No	No	No	No	No		NA
3043	Turbine Delivery Route Option 3A	Tipperary	52500	TDR 25m intervals	568282.93	663467.09	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6547.66	No	No	No	No	No		NA
3044	Turbine Delivery Route Option 3A	Tipperary	67000	TDR 25m intervals	568295.72	663488.56	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6564.80	No	No	No	No	No		NA
3045	Turbine Delivery Route Option 3A	Tipperary	66975	TDR 25m intervals	568308.65	663509.96	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6582.10	No	No	No	No	No		NA
3046	Turbine Delivery Route Option 3A	Tipperary	52575	TDR 25m intervals	568321.64	663531.32	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6599.49	No	No	No	No	No		NA
3047	Turbine Delivery Route Option 3A	Tipperary	66950	TDR 25m intervals	568334.75	663552.61	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6617.04	No	No	No	No	No		NA
3048	Turbine Delivery Route Option 3A	Tipperary	66925	TDR 25m intervals	568348.01	663573.81	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6634.75	No	No	No	No	No		NA
3049	Turbine Delivery Route Option 3A	Tipperary	52650	TDR 25m intervals	568361.37	663594.93	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6652.61	No	No	No	No	No		NA
3050	Turbine Delivery Route Option 3A	Tipperary	66900	TDR 25m intervals	568374.89	663615.96	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6670.63	No	No	No	No	No		NA
3051	Turbine Delivery Route Option 3A	Tipperary	66875	TDR 25m intervals	568388.58	663636.88	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6688.84	No	No	No	No	No		NA
3052	Turbine Delivery Route Option 3A	Tipperary	52750	TDR 25m intervals	568402.37	663657.73	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6707.18	No	No	No	No	No		NA
3053	Turbine Delivery Route Option 3A	Tipperary	66850	TDR 25m intervals	568416.26	663678.52	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6725.63	No	No	No	No	No		NA
3054	Turbine Delivery Route Option 3A	Tipperary	66825	TDR 25m intervals	568430.17	663699.29	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6744.15	No	No	No	No	No		NA
3055	Turbine Delivery Route Option 3A	Tipperary	66800	TDR 25m intervals	568444.02	663720.11	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6762.66	No	No	No	No	No		NA
3056	Turbine Delivery Route Option 3A	Tipperary	52825	TDR 25m intervals	568457.68	663741.04	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6781.07	No	No	No	No	No		NA
3057	Turbine Delivery Route Option 3A	Tipperary	66775	TDR 25m intervals	568471.05	663762.17	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6799.28	No	No	No	No	No		NA
3058	Turbine Delivery Route Option 3A	Tipperary	66750	TDR 25m intervals	568484.14	663783.47	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6817.30	No	No	No	No	No		NA
3059	Turbine Delivery Route Option 3A	Tipperary	52900	TDR 25m intervals	568497.05	663804.88	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6835.22	No	No	No	No	No		NA
3060	Turbine Delivery Route Option 3A	Tipperary	66725	TDR 25m intervals	568509.93	663826.30	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6853.16	No	No	No	No	No		NA
3061	Turbine Delivery Route Option 3A	Tipperary	66700	TDR 25m intervals	568522.90	663847.68	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6871.22	No	No	No	No	No		NA
3062	Turbine Delivery Route Option 3A	Tipperary	52975	TDR 25m intervals	568536.06	663868.93	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6889.48	No	No	No	No	No		NA
3063	Turbine Delivery Route Option 3A	Tipperary	66675	TDR 25m intervals	568549.50	663890.01	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6908.00	No	No	No	No	No		NA
3064	Turbine Delivery Route Option 3A	Tipperary	66650	TDR 25m intervals	568563.26	663910.88	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6926.81	No	No	No	No	No		NA
3065	Turbine Delivery Route Option 3A	Tipperary	66625	TDR 25m intervals	568577.30	663931.56	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6945.89	No	No	No	No	No		NA
3066	Turbine Delivery Route Option 3A	Tipperary	53075	TDR 25m intervals	568591.58	663952.08	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6965.19	No	No	No	No	No		NA
3067	Turbine Delivery Route Option 3A	Tipperary	66600	TDR 25m intervals	568606.04	663972.48	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6984.66	No	No	No	No	No		NA
3068	Turbine Delivery Route Option 3A	Tipperary	66575	TDR 25m intervals	568620.64	663992.77	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7004.27	No	No	No	No	No		NA
3069	Turbine Delivery Route Option 3A	Tipperary	66550	TDR 25m intervals	568635.35	664012.99	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7024.00	No	No	No	No	No		NA
3070	Turbine Delivery Route Option 3A	Tipperary	53175	TDR 25m intervals	568650.13	664033.15	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7043.82	No	No	No	No	No		NA
3071	Turbine Delivery Route Option 3A	Tipperary	66525	TDR 25m intervals	568664.96	664053.28	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7063.71	No	No	No	No	No		NA
3072	Turbine Delivery Route Option 3A	Tipperary	66500	TDR 25m intervals	568679.81	664073.38	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7083.65	No	No	No	No	No		NA

Appendix 10.3 - Baseline Database -Turbine Delivery Route, Option 3A
Oatfield WF, Co. Clare

Project Ref. 604569
Prepared by: Cca / DW
Date: 17/11/2023
File Ref: 604569-Geo-R03-App10.3-(00)-Baseline Database -Turbine Delivery Route

	TDR		Assessment Location		Grid Coordinates (ITM)		Construction Details		Surface Water				Groundwater / Bedrock Aquifer						Groundwater / Wells / Abstraction		Designated Areas			Assessment Graphics / Comment	
Row No.	Turbine Delivery Route (TDR)	County	Location ID	Assessment Location Category	Easting	Northing	Type of Water Crossing / Construction Activity	Approximate Construction Depth (Excavation / Drilling) Depth Relative to Ground Level)	SW 50m Buffer	Receptor Category (Mapped river = EPA / WFD mapped)	River basins	Subcatchments	Aquifer Vulnerability	Potential Depth to Bedrock (acc. To GSI categories)	GW Aquifer Type	Excavation in or near Bedrock (In line with GSI mapped Aquifer Vulnerability)	Karst 25m buffer	Distance to Karst Feature	GW Abstraction 250m Buffer	Groundwater Source Protection Area NFGWS	SAC 50m Buffer	SPA 50m Buffer	Within SAC / SPA / NHA ?	Map Tile Number	Comments & MITIGATION MEASURES
					ITM	ITM		mbGL	50m										250m						
3073	Turbine Delivery Route Option 3A	Tipperary	66475	TDR 25m intervals	568694.68	664093.48	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7103.63	No	No	No	No	No		NA
3074	Turbine Delivery Route Option 3A	Tipperary	66450	TDR 25m intervals	568709.58	664113.56	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7123.66	No	No	No	No	No		NA
3075	Turbine Delivery Route Option 3A	Tipperary	53300	TDR 25m intervals	568724.52	664133.60	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7143.76	No	No	No	No	No		NA
3076	Turbine Delivery Route Option 3A	Tipperary	66425	TDR 25m intervals	568739.53	664153.60	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7163.94	No	No	No	No	No		NA
3077	Turbine Delivery Route Option 3A	Tipperary	66400	TDR 25m intervals	568754.59	664173.55	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7184.19	No	No	No	No	No		NA
3078	Turbine Delivery Route Option 3A	Tipperary	66375	TDR 25m intervals	568769.72	664193.45	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7204.52	No	No	No	No	No		NA
3079	Turbine Delivery Route Option 3A	Tipperary	66350	TDR 25m intervals	568784.91	664213.31	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7224.92	No	No	No	No	No		NA
3080	Turbine Delivery Route Option 3A	Tipperary	66325	TDR 25m intervals	568800.17	664233.11	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7245.40	No	No	No	No	No		NA
3081	Turbine Delivery Route Option 3A	Tipperary	66300	TDR 25m intervals	568815.48	664252.88	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7265.94	No	No	No	No	No		NA
3082	Turbine Delivery Route Option 3A	Tipperary	53475	TDR 25m intervals	568830.82	664272.62	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7286.54	No	No	No	No	No		NA
3083	Turbine Delivery Route Option 3A	Tipperary	66275	TDR 25m intervals	568846.22	664292.31	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7307.20	No	No	No	No	No		NA
3084	Turbine Delivery Route Option 3A	Tipperary	66250	TDR 25m intervals	568861.65	664311.98	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7327.92	No	No	No	No	No		NA
3085	Turbine Delivery Route Option 3A	Tipperary	66225	TDR 25m intervals	568877.12	664331.62	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7348.69	No	No	No	No	No		NA
3086	Turbine Delivery Route Option 3A	Tipperary	66200	TDR 25m intervals	568892.65	664351.21	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7369.53	No	No	No	No	No		NA
3087	Turbine Delivery Route Option 3A	Tipperary	66175	TDR 25m intervals	568908.20	664370.78	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7390.41	No	No	No	No	No		NA
3088	Turbine Delivery Route Option 3A	Tipperary	53625	TDR 25m intervals	568923.83	664390.30	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7411.36	No	No	No	No	No		NA
3089	Turbine Delivery Route Option 3A	Tipperary	66150	TDR 25m intervals	568939.47	664409.80	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7432.35	No	No	No	No	No		NA
3090	Turbine Delivery Route Option 3A	Tipperary	66125	TDR 25m intervals	568955.18	664429.25	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7453.42	No	No	No	No	No		NA
3091	Turbine Delivery Route Option 3A	Tipperary	66100	TDR 25m intervals	568970.92	664448.67	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7474.52	No	No	No	No	No		NA
3092	Turbine Delivery Route Option 3A	Tipperary	66075	TDR 25m intervals	568986.72	664468.04	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7495.70	No	No	No	No	No		NA
3093	Turbine Delivery Route Option 3A	Tipperary	66050	TDR 25m intervals	569002.56	664487.39	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7516.93	No	No	No	No	No		NA
3094	Turbine Delivery Route Option 3A	Tipperary	66025	TDR 25m intervals	569018.47	664506.67	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7538.22	No	No	No	No	No		NA
3095	Turbine Delivery Route Option 3A	Tipperary	66000	TDR 25m intervals	569034.41	664525.93	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7559.56	No	No	No	No	No		NA
3096	Turbine Delivery Route Option 3A	Tipperary	65975	TDR 25m intervals	569050.44	664545.11	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7580.98	No	No	No	No	No		NA
3097	Turbine Delivery Route Option 3A	Tipperary	65950	TDR 25m intervals	569066.50	664564.27	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7602.45	No	No	No	No	No		NA
3098	Turbine Delivery Route Option 3A	Tipperary	65925	TDR 25m intervals	569082.65	664583.35	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7623.99	No	No	No	No	No		NA
3099	Turbine Delivery Route Option 3A	Tipperary	53900	TDR 25m intervals	569098.84	664602.41	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7645.58	No	No	No	No	No		NA
3100	Turbine Delivery Route Option 3A	Tipperary	53925	TDR 25m intervals	569115.12	664621.38	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7667.26	No	No	No	No	No		NA
3101	Turbine Delivery Route Option 3A	Tipperary	65875	TDR 25m intervals	569131.43	664640.32	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7688.97	No	No	No	No	No		NA
3102	Turbine Delivery Route Option 3A	Tipperary	65850	TDR 25m intervals	569147.86	664659.17	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7710.78	No	No	No	No	No		NA
3103	Turbine Delivery Route Option 3A	Tipperary	65825	TDR 25m intervals	569164.30	664678.01	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7732.61	No	No	No	No	No		NA
3104	Turbine Delivery Route Option 3A	Tipperary	65775	TDR 25m intervals	569180.87	664696.72	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7754.55	No	No	No	No	No		NA
3105	Turbine Delivery Route Option 3A	Tipperary	65750	TDR 25m intervals	569197.44	664715.44	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7776.51	No	No	No	No	No		NA
3106	Turbine Delivery Route Option 3A	Tipperary	65725	TDR 25m intervals	569214.15	664734.03	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7798.58	No	No	No	No	No		NA
3107	Turbine Delivery Route Option 3A	Tipperary	65700	TDR 25m intervals	569230.87	664752.62	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7820.67	No	No	No	No	No		NA

Appendix 10.3 - Baseline Database -Turbine Delivery Route, Option 3A
Oatfield WF, Co. Clare

Project Ref. 604569
Prepared by: Cca / DW
Date: 17/11/2023
File Ref: 604569-Geo-R03-App10.3-(00)-Baseline Database -Turbine Delivery Route

	TDR		Assessment Location		Grid Coordinates (ITM)		Construction Details		Surface Water				Groundwater / Bedrock Aquifer						Groundwater / Wells / Abstraction		Designated Areas			Assessment Graphics / Comment	
Row No.	Turbine Delivery Route (TDR)	County	Location ID	Assessment Location Category	Easting	Northing	Type of Water Crossing / Construction Activity	Approximate Construction Depth (Excavation / Drilling) Depth Relative to Ground Level)	SW 50m Buffer	Receptor Category (Mapped river = EPA / WFD mapped)	River basins	Subcatchments	Aquifer Vulnerability	Potential Depth to Bedrock (acc. To GSI categories)	GW Aquifer Type	Excavation in or near Bedrock (In line with GSI mapped Aquifer Vulnerability)	Karst 25m buffer	Distance to Karst Feature	GW Abstraction 250m Buffer	Groundwater Source Protection Area NFGWS	SAC 50m Buffer	SPA 50m Buffer	Within SAC / SPA / NHA ?	Map Tile Number	Comments & MITIGATION MEASURES
					ITM	ITM		mbGL	50m										250m						
3108	Turbine Delivery Route Option 3A	Tipperary	65675	TDR 25m intervals	569247.71	664771.10	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7842.85	No	No	No	No	No		NA
3109	Turbine Delivery Route Option 3A	Tipperary	65650	TDR 25m intervals	569264.59	664789.54	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7865.06	No	No	No	No	No		NA
3110	Turbine Delivery Route Option 3A	Tipperary	65625	TDR 25m intervals	569281.54	664807.91	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7887.35	No	No	No	No	No		NA
3111	Turbine Delivery Route Option 3A	Tipperary	65600	TDR 25m intervals	569298.57	664826.22	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7909.70	No	No	No	No	No		NA
3112	Turbine Delivery Route Option 3A	Tipperary	65575	TDR 25m intervals	569315.64	664844.49	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7932.09	No	No	No	No	No		NA
3113	Turbine Delivery Route Option 3A	Tipperary	65550	TDR 25m intervals	569332.81	664862.66	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7954.55	No	No	No	No	No		NA
3114	Turbine Delivery Route Option 3A	Tipperary	65525	TDR 25m intervals	569349.98	664880.83	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7977.03	No	No	No	No	No		NA
3115	Turbine Delivery Route Option 3A	Tipperary	65500	TDR 25m intervals	569367.28	664898.87	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7999.60	No	No	No	No	No		NA
3116	Turbine Delivery Route Option 3A	Tipperary	65450	TDR 25m intervals	569384.58	664916.92	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8022.19	No	No	No	No	No		NA
3117	Turbine Delivery Route Option 3A	Tipperary	65400	TDR 25m intervals	569401.96	664934.89	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8044.84	No	No	No	No	No		NA
3118	Turbine Delivery Route Option 3A	Tipperary	65325	TDR 25m intervals	569419.37	664952.83	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8067.52	No	No	No	No	No		NA
3119	Turbine Delivery Route Option 3A	Tipperary	65250	TDR 25m intervals	569436.81	664970.74	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8090.23	No	No	No	No	No		NA
3120	Turbine Delivery Route Option 3A	Tipperary	65225	TDR 25m intervals	569454.33	664988.58	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8113.00	No	No	No	No	No		NA
3121	Turbine Delivery Route Option 3A	Tipperary	65175	TDR 25m intervals	569471.85	665006.41	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8135.78	No	No	No	No	No		NA
3122	Turbine Delivery Route Option 3A	Tipperary	65150	TDR 25m intervals	569489.44	665024.18	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8158.62	No	No	No	No	No		NA
3123	Turbine Delivery Route Option 3A	Tipperary	65125	TDR 25m intervals	569507.04	665041.93	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8181.48	No	No	No	No	No		NA
3124	Turbine Delivery Route Option 3A	Tipperary	65100	TDR 25m intervals	569524.68	665059.65	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8204.36	No	No	No	No	No		NA
3125	Turbine Delivery Route Option 3A	Tipperary	65075	TDR 25m intervals	569542.36	665077.32	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8227.29	No	No	No	No	No		NA
3126	Turbine Delivery Route Option 3A	Tipperary	65050	TDR 25m intervals	569560.04	665094.99	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8250.23	No	No	No	No	No		NA
3127	Turbine Delivery Route Option 3A	Tipperary	65025	TDR 25m intervals	569577.79	665112.61	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8273.21	No	No	No	No	No		NA
3128	Turbine Delivery Route Option 3A	Tipperary	64975	TDR 25m intervals	569595.54	665130.21	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8296.22	No	No	No	No	No		NA
3129	Turbine Delivery Route Option 3A	Tipperary	64950	TDR 25m intervals	569613.31	665147.79	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8319.24	No	No	No	No	No		NA
3130	Turbine Delivery Route Option 3A	Tipperary	64925	TDR 25m intervals	569631.12	665165.33	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8342.30	No	No	No	No	No		NA
3131	Turbine Delivery Route Option 3A	Tipperary	64900	TDR 25m intervals	569648.94	665182.88	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8365.37	No	No	No	No	No		NA
3132	Turbine Delivery Route Option 3A	Tipperary	64875	TDR 25m intervals	569666.79	665200.37	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8388.47	No	No	No	No	No		NA
3133	Turbine Delivery Route Option 3A	Tipperary	64850	TDR 25m intervals	569684.66	665217.86	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8411.59	No	No	No	No	No		NA
3134	Turbine Delivery Route Option 3A	Tipperary	64800	TDR 25m intervals	569702.54	665235.33	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8434.73	No	No	No	No	No		NA
3135	Turbine Delivery Route Option 3A	Tipperary	64775	TDR 25m intervals	569720.46	665252.76	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8457.90	No	No	No	No	No		NA
3136	Turbine Delivery Route Option 3A	Tipperary	64750	TDR 25m intervals	569738.38	665270.20	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8481.08	No	No	No	No	No		NA
3137	Turbine Delivery Route Option 3A	Tipperary	64725	TDR 25m intervals	569756.34	665287.59	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8504.30	No	No	No	No	No		NA
3138	Turbine Delivery Route Option 3A	Tipperary	64700	TDR 25m intervals	569774.31	665304.97	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8527.52	No	No	No	No	No		NA
3139	Turbine Delivery Route Option 3A	Tipperary	64675	TDR 25m intervals	569792.30	665322.32	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8550.77	No	No	No	No	No		NA
3140	Turbine Delivery Route Option 3A	Tipperary	64650	TDR 25m intervals	569810.33	665339.65	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8574.05	No	No	No	No	No		NA
3141	Turbine Delivery Route Option 3A	Tipperary	54950	TDR 25m intervals	569828.35	665356.97	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8597.34	No	No	No	No	No		NA
3142	Turbine Delivery Route Option 3A	Tipperary	64575	TDR 25m intervals	569846.43	665374.24	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8620.66	No	No	No	No	No		NA

Appendix 10.3 - Baseline Database -Turbine Delivery Route, Option 3A
Oatfield WF, Co. Clare

Project Ref. 604569
Prepared by: Cca / DW
Date: 17/11/2023
File Ref: 604569-Geo-R03-App10.3-(00)-Baseline Database -Turbine Delivery Route

	TDR		Assessment Location		Grid Coordinates (ITM)		Construction Details		Surface Water				Groundwater / Bedrock Aquifer						Groundwater / Wells / Abstraction		Designated Areas			Assessment Graphics / Comment	
Row No.	Turbine Delivery Route (TDR)	County	Location ID	Assessment Location Category	Easting	Northing	Type of Water Crossing / Construction Activity	Approximate Construction Depth (Excavation / Drilling) Depth Relative to Ground Level)	SW 50m Buffer	Receptor Category (Mapped river = EPA / WFD mapped)	River basins	Subcatchments	Aquifer Vulnerability	Potential Depth to Bedrock (acc. To GSI categories)	GW Aquifer Type	Excavation in or near Bedrock (In line with GSI mapped Aquifer Vulnerability)	Karst 25m buffer	Distance to Karst Feature	GW Abstraction 250m Buffer	Groundwater Source Protection Area NFGWS	SAC 50m Buffer	SPA 50m Buffer	Within SAC / SPA / NHA ?	Map Tile Number	Comments & MITIGATION MEASURES
					ITM	ITM		mbGL	50m										250m						
3143	Turbine Delivery Route Option 3A	Tipperary	64550	TDR 25m intervals	569864.50	665391.51	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8643.99	No	No	No	No	No		NA
3144	Turbine Delivery Route Option 3A	Tipperary	64525	TDR 25m intervals	569882.61	665408.75	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8667.35	No	No	No	No	No		NA
3145	Turbine Delivery Route Option 3A	Tipperary	55050	TDR 25m intervals	569900.74	665425.96	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8690.73	No	No	No	No	No		NA
3146	Turbine Delivery Route Option 3A	Tipperary	64500	TDR 25m intervals	569918.89	665443.16	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8714.13	No	No	No	No	No		NA
3147	Turbine Delivery Route Option 3A	Tipperary	64475	TDR 25m intervals	569937.07	665460.31	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8737.55	No	No	No	No	No		NA
3148	Turbine Delivery Route Option 3A	Tipperary	64450	TDR 25m intervals	569955.26	665477.47	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8760.99	No	No	No	No	No		NA
3149	Turbine Delivery Route Option 3A	Tipperary	64425	TDR 25m intervals	569973.49	665494.58	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8784.45	No	No	No	No	No		NA
3150	Turbine Delivery Route Option 3A	Tipperary	55175	TDR 25m intervals	569991.73	665511.67	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8807.93	No	No	No	No	No		NA
3151	Turbine Delivery Route Option 3A	Tipperary	64400	TDR 25m intervals	570009.99	665528.74	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8831.43	No	No	No	No	No		NA
3152	Turbine Delivery Route Option 3A	Tipperary	64375	TDR 25m intervals	570028.29	665545.78	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8854.95	No	No	No	No	No		NA
3153	Turbine Delivery Route Option 3A	Tipperary	64350	TDR 25m intervals	570046.59	665562.82	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8878.48	No	No	No	No	No		NA
3154	Turbine Delivery Route Option 3A	Tipperary	55275	TDR 25m intervals	570064.92	665579.81	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8902.04	No	No	No	No	No		NA
3155	Turbine Delivery Route Option 3A	Tipperary	64325	TDR 25m intervals	570083.26	665596.80	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8925.61	No	No	No	No	No		NA
3156	Turbine Delivery Route Option 3A	Tipperary	64300	TDR 25m intervals	570101.62	665613.77	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8949.20	No	No	No	No	No		NA
3157	Turbine Delivery Route Option 3A	Tipperary	64275	TDR 25m intervals	570119.99	665630.73	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8972.79	No	No	No	No	No		NA
3158	Turbine Delivery Route Option 3A	Tipperary	55375	TDR 25m intervals	570138.36	665647.69	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8996.40	No	No	No	No	No		NA
3159	Turbine Delivery Route Option 3A	Tipperary	64250	TDR 25m intervals	570156.74	665664.63	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	9020.02	No	No	No	No	No		NA
3160	Turbine Delivery Route Option 3A	Tipperary	64225	TDR 25m intervals	570175.12	665681.58	NA	NA	Yes	BALLYARD_020	BALLYARD_020	Kileengarrif_SC_010	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	9043.65	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
3161	Turbine Delivery Route Option 3A	Tipperary	64200	TDR 25m intervals	570193.49	665698.53	NA	NA	Yes	BALLYARD_020	BALLYARD_020	Kileengarrif_SC_010	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	9067.28	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
3162	Turbine Delivery Route Option 3A	Tipperary		TDR_WCC_135	570206.16	665711.32	WCC	NA	Yes	BALLYARD_020	BALLYARD_020	Kileengarrif_SC_010	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	9067.28	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
3163	Turbine Delivery Route Option 3A	Tipperary	55475	TDR 25m intervals	570211.87	665715.48	NA	NA	Yes	BALLYARD_020	BALLYARD_020	Kileengarrif_SC_010	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	9090.92	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
3164	Turbine Delivery Route Option 3A	Tipperary	55500	TDR 25m intervals	570230.24	665732.44	NA	NA	Yes	BALLYARD_020	BALLYARD_020	Kileengarrif_SC_010	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	9114.56	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
3165	Turbine Delivery Route Option 3A	Tipperary	55525	TDR 25m intervals	570248.60	665749.40	NA	NA	Yes	BALLYARD_020	BALLYARD_020	Kileengarrif_SC_010	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	9138.21	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
3166	Turbine Delivery Route Option 3A	Tipperary	64125	TDR 25m intervals	570266.95	665766.38	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	9161.86	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3167	Turbine Delivery Route Option 3A	Tipperary	64100	TDR 25m intervals	570285.28	665783.39	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	9185.50	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3168	Turbine Delivery Route Option 3A	Tipperary	64075	TDR 25m intervals	570303.59	665800.41	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	9209.14	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3169	Turbine Delivery Route Option 3A	Tipperary	55625	TDR 25m intervals	570321.86	665817.47	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	9232.78	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3170	Turbine Delivery Route Option 3A	Tipperary	64050	TDR 25m intervals	570340.12	665834.55	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	9256.41	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3171	Turbine Delivery Route Option 3A	Tipperary	64025	TDR 25m intervals	570358.32	665851.69	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	9280.03	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3172	Turbine Delivery Route Option 3A	Tipperary	64000	TDR 25m intervals	570376.51	665868.84	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	9303.64	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3173	Turbine Delivery Route Option 3A	Tipperary	55725	TDR 25m intervals	570394.64	665886.05	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	9327.24	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3174	Turbine Delivery Route Option 3A	Tipperary	63975	TDR 25m intervals	570412.76	665903.27	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	9350.83	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3175	Turbine Delivery Route Option 3A	Tipperary	63950	TDR 25m intervals	570430.83	665920.54	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	9374.41	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3176	Turbine Delivery Route Option 3A	Tipperary	55825	TDR 25m intervals	570448.89	665937.84	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	9397.99	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3177	Turbine Delivery Route Option 3A	Tipperary	63925	TDR 25m intervals	570466.91	665955.16	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	9421.57	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone

Appendix 10.3 - Baseline Database -Turbine Delivery Route, Option 3A
Oatfield WF, Co. Clare

Project Ref. 604569
Prepared by: Cca / DW
Date: 17/11/2023
File Ref: 604569-Geo-R03-App10.3-(00)-Baseline Database -Turbine Delivery Route

	TDR		Assessment Location		Grid Coordinates (ITM)		Construction Details		Surface Water				Groundwater / Bedrock Aquifer						Groundwater / Wells / Abstraction		Designated Areas			Assessment Graphics / Comment	
Row No.	Turbine Delivery Route (TDR)	County	Location ID	Assessment Location Category	Easting	Northing	Type of Water Crossing / Construction Activity	Approximate Construction Depth (Excavation / Drilling) Depth Relative to Ground Level)	SW 50m Buffer	Receptor Category (Mapped river = EPA / WFD mapped)	River basins	Subcatchments	Aquifer Vulnerability	Potential Depth to Bedrock (acc. To GSI categories)	GW Aquifer Type	Excavation in or near Bedrock (In line with GSI mapped Aquifer Vulnerability)	Karst 25m buffer	Distance to Karst Feature	GW Abstraction 250m Buffer	Groundwater Source Protection Area NFGWS	SAC 50m Buffer	SPA 50m Buffer	Within SAC / SPA / NHA ?	Map Tile Number	Comments & MITIGATION MEASURES
					ITM	ITM		mbGL	50m										250m						
3178	Turbine Delivery Route Option 3A	Tipperary	63900	TDR 25m intervals	570484.91	665972.51	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	9445.13	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3179	Turbine Delivery Route Option 3A	Tipperary	63875	TDR 25m intervals	570502.90	665989.87	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	9468.70	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3180	Turbine Delivery Route Option 3A	Tipperary	55900	TDR 25m intervals	570520.87	666007.26	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	9492.27	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3181	Turbine Delivery Route Option 3A	Tipperary	63850	TDR 25m intervals	570538.83	666024.65	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	9515.84	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3182	Turbine Delivery Route Option 3A	Tipperary	63825	TDR 25m intervals	570556.79	666042.04	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	9539.42	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3183	Turbine Delivery Route Option 3A	Tipperary	63800	TDR 25m intervals	570574.76	666059.42	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	9563.01	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3184	Turbine Delivery Route Option 3A	Tipperary	56000	TDR 25m intervals	570592.76	666076.76	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	9586.62	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3185	Turbine Delivery Route Option 3A	Tipperary	63775	TDR 25m intervals	570610.81	666094.06	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	9610.26	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3186	Turbine Delivery Route Option 3A	Tipperary	63750	TDR 25m intervals	570628.92	666111.29	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	9633.94	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3187	Turbine Delivery Route Option 3A	Tipperary	56075	TDR 25m intervals	570647.12	666128.43	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	9657.67	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3188	Turbine Delivery Route Option 3A	Tipperary	63725	TDR 25m intervals	570665.45	666145.43	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	9681.46	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3189	Turbine Delivery Route Option 3A	Tipperary	63325	TDR 25m intervals	570683.92	666162.28	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	9705.32	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3190	Turbine Delivery Route Option 3A	Tipperary	63500	TDR 25m intervals	570702.53	666178.98	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	9729.25	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3191	Turbine Delivery Route Option 3A	Tipperary	62850	TDR 25m intervals	570721.27	666195.53	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	9753.23	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3192	Turbine Delivery Route Option 3A	Tipperary	62775	TDR 25m intervals	570740.10	666211.97	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	9777.27	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3193	Turbine Delivery Route Option 3A	Tipperary	62700	TDR 25m intervals	570759.00	666228.34	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	9801.33	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3194	Turbine Delivery Route Option 3A	Tipperary	62625	TDR 25m intervals	570777.93	666244.66	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	9825.41	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3195	Turbine Delivery Route Option 3A	Tipperary	62550	TDR 25m intervals	570796.88	666260.97	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	9849.51	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3196	Turbine Delivery Route Option 3A	Tipperary	62100	TDR 25m intervals	570815.82	666277.29	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	9873.60	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3197	Turbine Delivery Route Option 3A	Tipperary	62250	TDR 25m intervals	570834.72	666293.66	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	9897.69	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3198	Turbine Delivery Route Option 3A	Tipperary	61575	TDR 25m intervals	570853.58	666310.06	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	9921.76	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3199	Turbine Delivery Route Option 3A	Tipperary	61425	TDR 25m intervals	570872.44	666326.47	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	9945.84	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3200	Turbine Delivery Route Option 3A	Tipperary	61225	TDR 25m intervals	570891.36	666342.81	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	9969.94	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3201	Turbine Delivery Route Option 3A	Tipperary	61000	TDR 25m intervals	570910.37	666359.05	NA	NA	No	NA	BALLYARD_020	Kileengarrif_SC_010	High (H)	3 to 5m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	9994.09	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3202	Turbine Delivery Route Option 3A	Tipperary	60750	TDR 25m intervals	570929.52	666375.13	NA	NA	No	NA	BALLYARD_010	Kileengarrif_SC_010	High (H)	3 to 5m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	10018.29	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3203	Turbine Delivery Route Option 3A	Tipperary	60650	TDR 25m intervals	570948.76	666391.08	NA	NA	No	NA	BALLYARD_010	Kileengarrif_SC_010	High (H)	3 to 5m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	10042.54	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3204	Turbine Delivery Route Option 3A	Tipperary	60350	TDR 25m intervals	570968.08	666406.95	NA	NA	No	NA	BALLYARD_010	Kileengarrif_SC_010	High (H)	3 to 5m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	10066.82	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3205	Turbine Delivery Route Option 3A	Tipperary	60250	TDR 25m intervals	570987.44	666422.77	NA	NA	No	NA	BALLYARD_010	Kileengarrif_SC_010	High (H)	3 to 5m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	10091.11	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3206	Turbine Delivery Route Option 3A	Tipperary	60200	TDR 25m intervals	571006.80	666438.59	NA	NA	No	NA	BALLYARD_010	Kileengarrif_SC_010	High (H)	3 to 5m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	10115.41	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3207	Turbine Delivery Route Option 3A	Tipperary	60175	TDR 25m intervals	571026.15	666454.41	NA	NA	No	NA	BALLYARD_010	Kileengarrif_SC_010	High (H)	3 to 5m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	10139.71	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3208	Turbine Delivery Route Option 3A	Tipperary	60125	TDR 25m intervals	571045.46	666470.29	NA	NA	No	NA	BALLYARD_010	Kileengarrif_SC_010	High (H)	3 to 5m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	10164.00	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3209	Turbine Delivery Route Option 3A	Tipperary	60100	TDR 25m intervals	571064.72	666486.23	NA	NA	No	NA	BALLYARD_010	Kileengarrif_SC_010	High (H)	3 to 5m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	10188.27	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3210	Turbine Delivery Route Option 3A	Tipperary	60050	TDR 25m intervals	571083.95	666502.21	NA	NA	No	NA	BALLYARD_010	Kileengarrif_SC_010	High (H)	3 to 5m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	10212.54	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3211	Turbine Delivery Route Option 3A	Tipperary	60000	TDR 25m intervals	571103.16	666518.20	NA	NA	No	NA	BALLYARD_010	Kileengarrif_SC_010	High (H)	3 to 5m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	10236.80	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3212	Turbine Delivery Route Option 3A	Tipperary	59975	TDR 25m intervals	571122.41	666534.16	NA	NA	No	NA	BALLYARD_010	Kileengarrif_SC_010	High (H)	3 to 5m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	10261.08	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone

Appendix 10.3 - Baseline Database -Turbine Delivery Route, Option 3A
Oatfield WF, Co. Clare

Project Ref. 604569
Prepared by: Cca / DW
Date: 17/11/2023
File Ref: 604569-Geo-R03-App10.3-(00)-Baseline Database -Turbine Delivery Route

	TDR		Assessment Location		Grid Coordinates (ITM)		Construction Details		Surface Water				Groundwater / Bedrock Aquifer						Groundwater / Wells / Abstraction		Designated Areas			Assessment Graphics / Comment	
Row No.	Turbine Delivery Route (TDR)	County	Location ID	Assessment Location Category	Easting	Northing	Type of Water Crossing / Construction Activity	Approximate Construction Depth (Excavation / Drilling) Depth Relative to Ground Level)	SW 50m Buffer	Receptor Category (Mapped river = EPA / WFD mapped)	River basins	Subcatchments	Aquifer Vulnerability	Potential Depth to Bedrock (acc. To GSI categories)	GW Aquifer Type	Excavation in or near Bedrock (In line with GSI mapped Aquifer Vulnerability)	Karst 25m buffer	Distance to Karst Feature	GW Abstraction 250m Buffer	Groundwater Source Protection Area NFGWS	SAC 50m Buffer	SPA 50m Buffer	Within SAC / SPA / NHA ?	Map Tile Number	Comments & MITIGATION MEASURES
					ITM	ITM		mbGL	50m										250m						
3213	Turbine Delivery Route Option 3A	Tipperary	59925	TDR 25m intervals	571141.71	666550.04	NA	NA	No	NA	BALLYARD_010	Kileengarrif_SC_010	High (H)	3 to 5m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	10285.38	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3214	Turbine Delivery Route Option 3A	Tipperary	59900	TDR 25m intervals	571161.12	666565.80	NA	NA	No	NA	BALLYARD_010	Kileengarrif_SC_010	Extreme (E)	1 to 3m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	10309.73	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3215	Turbine Delivery Route Option 3A	Tipperary	59850	TDR 25m intervals	571180.69	666581.36	NA	NA	No	NA	BALLYARD_010	Kileengarrif_SC_010	Extreme (E)	1 to 3m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	10334.13	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3216	Turbine Delivery Route Option 3A	Tipperary	59825	TDR 25m intervals	571200.40	666596.74	NA	NA	No	NA	BALLYARD_010	Kileengarrif_SC_010	Extreme (E)	1 to 3m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	10358.59	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3217	Turbine Delivery Route Option 3A	Tipperary	59775	TDR 25m intervals	571220.24	666611.95	NA	NA	No	NA	BALLYARD_010	Kileengarrif_SC_010	Extreme (E)	1 to 3m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	10383.09	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3218	Turbine Delivery Route Option 3A	Tipperary	59750	TDR 25m intervals	571240.17	666627.05	NA	NA	No	NA	BALLYARD_010	Kileengarrif_SC_010	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	10407.62	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3219	Turbine Delivery Route Option 3A	Tipperary	59700	TDR 25m intervals	571260.14	666642.08	NA	NA	No	NA	BALLYARD_010	Kileengarrif_SC_010	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	10432.18	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3220	Turbine Delivery Route Option 3A	Tipperary	59675	TDR 25m intervals	571280.13	666657.09	NA	NA	No	NA	BALLYARD_010	Kileengarrif_SC_010	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	10456.73	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3221	Turbine Delivery Route Option 3A	Tipperary	59625	TDR 25m intervals	571300.14	666672.09	NA	NA	No	NA	BALLYARD_010	Kileengarrif_SC_010	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	10481.30	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3222	Turbine Delivery Route Option 3A	Tipperary	59600	TDR 25m intervals	571320.17	666687.05	NA	NA	No	NA	BALLYARD_010	Kileengarrif_SC_010	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	10505.87	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3223	Turbine Delivery Route Option 3A	Tipperary	59550	TDR 25m intervals	571340.23	666701.96	NA	NA	No	NA	BALLYARD_010	Kileengarrif_SC_010	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	10530.46	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3224	Turbine Delivery Route Option 3A	Tipperary	59525	TDR 25m intervals	571360.34	666716.82	NA	NA	No	NA	BALLYARD_010	Kileengarrif_SC_010	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	10555.06	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3225	Turbine Delivery Route Option 3A	Tipperary	59475	TDR 25m intervals	571380.51	666731.58	NA	NA	No	NA	BALLYARD_010	Kileengarrif_SC_010	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	10579.68	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3226	Turbine Delivery Route Option 3A	Tipperary	59450	TDR 25m intervals	571400.76	666746.24	NA	NA	No	NA	BALLYARD_010	Kileengarrif_SC_010	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	10604.33	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3227	Turbine Delivery Route Option 3A	Tipperary	59400	TDR 25m intervals	571421.08	666760.80	NA	NA	No	NA	BALLYARD_010	Kileengarrif_SC_010	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	10629.00	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3228	Turbine Delivery Route Option 3A	Tipperary	59375	TDR 25m intervals	571441.47	666775.28	NA	NA	No	NA	BALLYARD_010	Kileengarrif_SC_010	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	10653.68	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3229	Turbine Delivery Route Option 3A	Tipperary	59325	TDR 25m intervals	571461.89	666789.69	NA	NA	No	NA	BALLYARD_010	Kileengarrif_SC_010	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	10678.38	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3230	Turbine Delivery Route Option 3A	Tipperary	59300	TDR 25m intervals	571482.34	666804.08	NA	NA	No	NA	BALLYARD_010	Kileengarrif_SC_010	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	10703.09	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3231	Turbine Delivery Route Option 3A	Tipperary	59250	TDR 25m intervals	571502.79	666818.46	NA	NA	No	NA	BALLYARD_010	Kileengarrif_SC_010	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	10727.80	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3232	Turbine Delivery Route Option 3A	Tipperary	59225	TDR 25m intervals	571523.21	666832.88	NA	NA	No	NA	BALLYARD_010	Kileengarrif_SC_010	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	10752.50	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3233	Turbine Delivery Route Option 3A	Tipperary	59175	TDR 25m intervals	571543.60	666847.34	NA	NA	No	NA	BALLYARD_010	Kileengarrif_SC_010	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	10777.20	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3234	Turbine Delivery Route Option 3A	Tipperary	59150	TDR 25m intervals	571563.97	666861.83	NA	NA	No	NA	BALLYARD_010	Kileengarrif_SC_010	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	10801.89	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3235	Turbine Delivery Route Option 3A	Tipperary	59125	TDR 25m intervals	571584.35	666876.33	NA	NA	No	NA	BALLYARD_010	Kileengarrif_SC_010	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	10826.59	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3236	Turbine Delivery Route Option 3A	Tipperary	59075	TDR 25m intervals	571604.74	666890.79	NA	NA	No	NA	BALLYARD_010	Kileengarrif_SC_010	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	10851.29	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3237	Turbine Delivery Route Option 3A	Tipperary	59050	TDR 25m intervals	571625.17	666905.20	NA	NA	No	NA	BALLYARD_010	Kileengarrif_SC_010	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	10876.00	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3238	Turbine Delivery Route Option 3A	Tipperary	59025	TDR 25m intervals	571645.67	666919.50	NA	NA	No	NA	BALLYARD_010	Kileengarrif_SC_010	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	10900.73	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3239	Turbine Delivery Route Option 3A	Tipperary	59000	TDR 25m intervals	571666.27	666933.67	NA	NA	No	NA	BALLYARD_010	Kileengarrif_SC_010	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	10925.49	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3240	Turbine Delivery Route Option 3A	Tipperary	58975	TDR 25m intervals	571686.97	666947.68	NA	NA	No	NA	BALLYARD_010	Kileengarrif_SC_010	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	10950.28	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3241	Turbine Delivery Route Option 3A	Tipperary	58950	TDR 25m intervals	571707.78	666961.55	NA	NA	No	NA	BALLYARD_010	Kileengarrif_SC_010	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	10975.08	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3242	Turbine Delivery Route Option 3A	Tipperary	58925	TDR 25m intervals	571728.66	666975.28	NA	NA	Yes	BALLYARD_010	BALLYARD_010	Kileengarrif_SC_010	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	10999.91	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone
3243	Turbine Delivery Route Option 3A	Tipperary	58900	TDR 25m intervals	571749.61	666988.93	NA	NA	Yes	BALLYARD_010	BALLYARD_010	Kileengarrif_SC_010	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11024.75	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone
3244	Turbine Delivery Route Option 3A	Tipperary	58875	TDR 25m intervals	571770.59	667002.52	NA	NA	Yes	BALLYARD_010	BALLYARD_010	Kileengarrif_SC_010	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11049.60	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone
3245	Turbine Delivery Route Option 3A	Tipperary		TDR_WCC_136	571779.45	667008.85	WCC	NA	Yes	BALLYARD_010	BALLYARD_010	Kileengarrif_SC_010	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11049.60	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone
3246	Turbine Delivery Route Option 3A	Tipperary	58850	TDR 25m intervals	571791.59	667016.09	NA	NA	Yes	BALLYARD_010	BALLYARD_010	Kileengarrif_SC_010	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11074.46	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone
3247	Turbine Delivery Route Option 3A	Tipperary	58825	TDR 25m intervals	571812.59	667029.65	NA	NA	Yes	BALLYARD_010	BALLYARD_010	Kileengarrif_SC_010	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11099.31	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone

Appendix 10.3 - Baseline Database -Turbine Delivery Route, Option 3A
Oatfield WF, Co. Clare

Project Ref. 604569
Prepared by: Cca / DW
Date: 17/11/2023
File Ref: 604569-Geo-R03-App10.3-(00)-Baseline Database -Turbine Delivery Route

	TDR		Assessment Location		Grid Coordinates (ITM)		Construction Details		Surface Water				Groundwater / Bedrock Aquifer						Groundwater / Wells / Abstraction		Designated Areas			Assessment Graphics / Comment	
Row No.	Turbine Delivery Route (TDR)	County	Location ID	Assessment Location Category	Easting	Northing	Type of Water Crossing / Construction Activity	Approximate Construction Depth (Excavation / Drilling) Depth Relative to Ground Level)	SW 50m Buffer	Receptor Category (Mapped river = EPA / WFD mapped)	River basins	Subcatchments	Aquifer Vulnerability	Potential Depth to Bedrock (acc. To GSI categories)	GW Aquifer Type	Excavation in or near Bedrock (In line with GSI mapped Aquifer Vulnerability)	Karst 25m buffer	Distance to Karst Feature	GW Abstraction 250m Buffer	Groundwater Source Protection Area NFGWS	SAC 50m Buffer	SPA 50m Buffer	Within SAC / SPA / NHA ?	Map Tile Number	Comments & MITIGATION MEASURES
					ITM	ITM		mbGL	50m										250m						
3248	Turbine Delivery Route Option 3A	Tipperary	57575	TDR 25m intervals	571833.60	667043.20	NA	NA	Yes	BALLYARD_010	BALLYARD_010	Kileengarrif_SC_010	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11124.17	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
3249	Turbine Delivery Route Option 3A	Tipperary	58800	TDR 25m intervals	571854.63	667056.71	NA	NA	No	NA	BALLYARD_010	Kileengarrif_SC_010	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11149.03	No	No	No	No	No		NA
3250	Turbine Delivery Route Option 3A	Tipperary	58775	TDR 25m intervals	571875.69	667070.19	NA	NA	No	NA	BALLYARD_010	Kileengarrif_SC_010	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11173.90	No	No	No	No	No		NA
3251	Turbine Delivery Route Option 3A	Tipperary	58750	TDR 25m intervals	571896.79	667083.60	NA	NA	No	NA	BALLYARD_010	Kileengarrif_SC_010	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11198.77	No	No	No	No	No		NA
3252	Turbine Delivery Route Option 3A	Tipperary	58725	TDR 25m intervals	571917.94	667096.93	NA	NA	No	NA	BALLYARD_010	Kileengarrif_SC_010	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11223.66	No	No	No	No	No		NA
3253	Turbine Delivery Route Option 3A	Tipperary	58700	TDR 25m intervals	571939.12	667110.21	NA	NA	No	NA	BALLYARD_010	Kileengarrif_SC_010	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11248.55	No	No	No	No	No		NA
3254	Turbine Delivery Route Option 3A	Tipperary	58675	TDR 25m intervals	571960.30	667123.49	NA	NA	No	NA	BALLYARD_010	Kileengarrif_SC_010	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11273.44	No	No	No	No	No		NA
3255	Turbine Delivery Route Option 3A	Tipperary	57750	TDR 25m intervals	571981.41	667136.88	NA	NA	No	NA	BALLYARD_010	Kileengarrif_SC_010	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11298.32	No	No	No	No	No		NA
3256	Turbine Delivery Route Option 3A	Tipperary	58650	TDR 25m intervals	572002.38	667150.50	NA	NA	No	NA	BALLYARD_010	Kileengarrif_SC_010	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11323.18	No	No	No	No	No		NA
3257	Turbine Delivery Route Option 3A	Tipperary	58625	TDR 25m intervals	572023.13	667164.45	NA	NA	No	NA	BALLYARD_010	Kileengarrif_SC_010	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11347.98	No	No	No	No	No		NA
3258	Turbine Delivery Route Option 3A	Tipperary	58600	TDR 25m intervals	572043.67	667178.69	NA	NA	No	NA	BALLYARD_010	Kileengarrif_SC_010	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11372.75	No	No	No	No	No		NA
3259	Turbine Delivery Route Option 3A	Tipperary	58575	TDR 25m intervals	572064.07	667193.15	NA	NA	No	NA	BALLYARD_010	Kileengarrif_SC_010	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11397.47	No	No	No	No	No		NA
3260	Turbine Delivery Route Option 3A	Tipperary	58550	TDR 25m intervals	572084.38	667207.72	NA	NA	No	NA	BALLYARD_010	Kileengarrif_SC_010	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11422.17	No	No	No	No	No		NA
3261	Turbine Delivery Route Option 3A	Tipperary	57900	TDR 25m intervals	572104.67	667222.32	NA	NA	No	NA	BALLYARD_010	Kileengarrif_SC_010	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11446.87	No	No	No	No	No		NA
3262	Turbine Delivery Route Option 3A	Tipperary	58525	TDR 25m intervals	572124.92	667236.99	NA	NA	No	NA	BALLYARD_010	Kileengarrif_SC_010	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11471.56	No	No	No	No	No		NA
3263	Turbine Delivery Route Option 3A	Tipperary	58500	TDR 25m intervals	572145.04	667251.82	NA	NA	No	NA	BALLYARD_010	Kileengarrif_SC_010	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11496.22	No	No	No	No	No		NA
3264	Turbine Delivery Route Option 3A	Tipperary	58475	TDR 25m intervals	572164.94	667266.95	NA	NA	No	NA	BALLYARD_010	Kileengarrif_SC_010	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11520.81	No	No	No	No	No		NA
3265	Turbine Delivery Route Option 3A	Tipperary	58450	TDR 25m intervals	572184.48	667282.55	NA	NA	No	NA	BALLYARD_010	Kileengarrif_SC_010	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11545.29	No	No	No	No	No		NA
3266	Turbine Delivery Route Option 3A	Tipperary	58425	TDR 25m intervals	572203.47	667298.80	NA	NA	No	NA	BALLYARD_010	Kileengarrif_SC_010	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11569.59	No	No	No	No	No		NA
3267	Turbine Delivery Route Option 3A	Tipperary	58400	TDR 25m intervals	572221.65	667315.96	NA	NA	No	NA	BALLYARD_010	Kileengarrif_SC_010	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11593.57	No	No	No	No	No		NA
3268	Turbine Delivery Route Option 3A	Tipperary	58375	TDR 25m intervals	572238.95	667334.01	NA	NA	No	NA	BALLYARD_010	Kileengarrif_SC_010	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11617.18	No	No	No	No	No		NA
3269	Turbine Delivery Route Option 3A	Tipperary	58350	TDR 25m intervals	572256.25	667352.05	NA	NA	No	NA	BALLYARD_010	Kileengarrif_SC_010	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11640.79	No	No	No	No	No		NA
3270	Turbine Delivery Route Option 3A	Tipperary	58325	TDR 25m intervals	572273.35	667370.29	NA	NA	No	NA	BALLYARD_010	Kileengarrif_SC_010	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11664.31	No	No	No	No	No		NA
3271	Turbine Delivery Route Option 3A	Tipperary	58150	TDR 25m intervals	572289.52	667389.35	NA	NA	No	NA	BALLYARD_010	Kileengarrif_SC_010	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11687.40	No	No	No	No	No		NA
3272	Turbine Delivery Route Option 3A	Tipperary	58275	TDR 25m intervals	572304.18	667409.59	NA	NA	No	NA	BALLYARD_010	Kileengarrif_SC_010	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11709.68	No	No	No	No	No		NA
3273	Turbine Delivery Route Option 3A	Tipperary	58200	TDR 25m intervals	572313.82	667432.44	NA	NA	No	NA	BALLYARD_010	Kileengarrif_SC_010	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11728.70	No	No	No	No	No		NA
3274	Turbine Delivery Route Option 3A	Tipperary		Site No. 2	572328.03	667443.18	Road widening	0.45	No	NA	BALLYARD_010	Kileengarrif_SC_010	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	11728.70	No	No	No	No	No		NA
3275	Turbine Delivery Route Option 3A	Tipperary	58250	TDR 25m intervals	572315.99	667457.34	NA	NA	No	NA	BALLYARD_010	Kileengarrif_SC_010	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11742.05	No	No	No	No	No		NA
3276	Turbine Delivery Route Option 3A	Tipperary	58225	TDR 25m intervals	572314.81	667481.98	NA	NA	No	NA	BALLYARD_010	Kileengarrif_SC_010	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11752.36	No	No	No	No	No		NA
3277	Turbine Delivery Route Option 3A	Tipperary	58175	TDR 25m intervals	572304.16	667504.55	NA	NA	No	NA	BALLYARD_010	Kileengarrif_SC_010	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11753.34	No	No	No	No	No		NA
3278	Turbine Delivery Route Option 3A	Tipperary	58300	TDR 25m intervals	572289.92	667525.07	NA	NA	No	NA	BALLYARD_010	Kileengarrif_SC_010	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11750.25	No	No	No	No	No		NA
3279	Turbine Delivery Route Option 3A	Tipperary	58125	TDR 25m intervals	572273.27	667543.70	NA	NA	No	NA	BALLYARD_010	Kileengarrif_SC_010	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11744.19	No	No	No	No	No		NA
3280	Turbine Delivery Route Option 3A	Tipperary	58100	TDR 25m intervals	572255.30	667561.07	NA	NA	No	NA	BALLYARD_010	Kileengarrif_SC_010	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11736.43	No	No	No	No	No		NA
3281	Turbine Delivery Route Option 3A	Tipperary	58075	TDR 25m intervals	572236.45	667577.49	NA	NA	No	NA	BALLYARD_010	Kileengarrif_SC_010	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11727.49	No	No	No	No	No		NA
3282	Turbine Delivery Route Option 3A	Tipperary	58050	TDR 25m intervals	572216.98	667593.17	NA	NA	No	NA	BALLYARD_010	Kileengarrif_SC_010	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11717.71	No	No	No	No	No		NA

Appendix 10.3 - Baseline Database -Turbine Delivery Route, Option 3A
Oatfield WF, Co. Clare

Project Ref. 604569
Prepared by: Cca / DW
Date: 17/11/2023
File Ref: 604569-Geo-R03-App10.3-(00)-Baseline Database -Turbine Delivery Route

	TDR		Assessment Location		Grid Coordinates (ITM)		Construction Details		Surface Water				Groundwater / Bedrock Aquifer						Groundwater / Wells / Abstraction		Designated Areas			Assessment Graphics / Comment	
Row No.	Turbine Delivery Route (TDR)	County	Location ID	Assessment Location Category	Easting	Northing	Type of Water Crossing / Construction Activity	Approximate Construction Depth (Excavation / Drilling) Depth Relative to Ground Level)	SW 50m Buffer	Receptor Category (Mapped river = EPA / WFD mapped)	River basins	Subcatchments	Aquifer Vulnerability	Potential Depth to Bedrock (acc. To GSI categories)	GW Aquifer Type	Excavation in or near Bedrock (In line with GSI mapped Aquifer Vulnerability)	Karst 25m buffer	Distance to Karst Feature	GW Abstraction 250m Buffer	Groundwater Source Protection Area NFGWS	SAC 50m Buffer	SPA 50m Buffer	Within SAC / SPA / NHA ?	Map Tile Number	Comments & MITIGATION MEASURES
					ITM	ITM		mbGL	50m										250m						
3283	Turbine Delivery Route Option 3A	Tipperary	58025	TDR 25m intervals	572196.95	667608.13	NA	NA	No	NA	BALLYARD_010	Kileengarrif_SC_010	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11707.13	No	No	No	No	No		NA
3284	Turbine Delivery Route Option 3A	Tipperary	58000	TDR 25m intervals	572175.87	667621.54	NA	NA	Yes	BALLYARD_010	BALLYARD_010	Kileengarrif_SC_010	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11694.94	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
3285	Turbine Delivery Route Option 3A	Tipperary	57975	TDR 25m intervals	572153.29	667632.26	NA	NA	Yes	BALLYARD_010	BALLYARD_010	Kileengarrif_SC_010	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11680.19	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
3286	Turbine Delivery Route Option 3A	Tipperary		TDR_WCC_137	572151.30	667633.79	WCC	NA	Yes	BALLYARD_010	BALLYARD_010	Kileengarrif_SC_010	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11680.19	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
3287	Turbine Delivery Route Option 3A	Tipperary	57950	TDR 25m intervals	572130.20	667641.82	NA	NA	Yes	BALLYARD_010	BALLYARD_010	Kileengarrif_SC_010	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11664.46	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
3288	Turbine Delivery Route Option 3A	Tipperary	57925	TDR 25m intervals	572106.73	667650.45	NA	NA	Yes	BALLYARD_010	BALLYARD_010	Kileengarrif_SC_010	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11648.00	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
3289	Turbine Delivery Route Option 3A	Tipperary	57875	TDR 25m intervals	572082.87	667657.90	NA	NA	No	NA	BALLYARD_010	Kileengarrif_SC_010	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11630.65	No	No	No	No	No		NA
3290	Turbine Delivery Route Option 3A	Tipperary	57850	TDR 25m intervals	572058.64	667664.00	NA	NA	No	NA	BALLYARD_010	Kileengarrif_SC_010	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11612.35	No	No	No	No	No		NA
3291	Turbine Delivery Route Option 3A	Tipperary	57825	TDR 25m intervals	572034.05	667668.49	NA	NA	No	NA	BALLYARD_010	Kileengarrif_SC_010	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11592.98	No	No	No	No	No		NA
3292	Turbine Delivery Route Option 3A	Tipperary	57800	TDR 25m intervals	572009.16	667670.78	NA	NA	No	NA	BALLYARD_010	Kileengarrif_SC_010	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11572.32	No	No	No	No	No		NA
3293	Turbine Delivery Route Option 3A	Tipperary	57775	TDR 25m intervals	571984.17	667671.05	NA	NA	No	NA	BALLYARD_010	Kileengarrif_SC_010	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11550.59	No	No	No	No	No		NA
3294	Turbine Delivery Route Option 3A	Tipperary	57725	TDR 25m intervals	571959.17	667670.55	NA	NA	No	NA	BALLYARD_010	Kileengarrif_SC_010	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11528.50	No	No	No	No	No		NA
3295	Turbine Delivery Route Option 3A	Tipperary	57700	TDR 25m intervals	571934.18	667670.25	NA	NA	No	NA	BALLYARD_010	Kileengarrif_SC_010	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11506.51	No	No	No	No	No		NA
3296	Turbine Delivery Route Option 3A	Tipperary	57675	TDR 25m intervals	571909.18	667670.54	NA	NA	No	NA	BALLYARD_010	Kileengarrif_SC_010	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11484.83	No	No	No	No	No		NA
3297	Turbine Delivery Route Option 3A	Tipperary	57650	TDR 25m intervals	571884.21	667671.69	NA	NA	No	NA	BALLYARD_010	Kileengarrif_SC_010	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11463.61	No	No	No	No	No		NA
3298	Turbine Delivery Route Option 3A	Tipperary	57625	TDR 25m intervals	571859.31	667673.92	NA	NA	No	NA	BALLYARD_010	Kileengarrif_SC_010	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11442.99	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3299	Turbine Delivery Route Option 3A	Tipperary	57600	TDR 25m intervals	571834.55	667677.33	NA	NA	No	NA	BALLYARD_010	Kileengarrif_SC_010	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11423.08	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3300	Turbine Delivery Route Option 3A	Tipperary	57550	TDR 25m intervals	571809.99	667682.02	NA	NA	No	NA	BALLYARD_010	Kileengarrif_SC_010	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11404.02	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3301	Turbine Delivery Route Option 3A	Tipperary	57525	TDR 25m intervals	571785.77	667688.18	NA	NA	No	NA	BALLYARD_010	Kileengarrif_SC_010	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11385.99	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3302	Turbine Delivery Route Option 3A	Tipperary	57500	TDR 25m intervals	571762.03	667696.01	NA	NA	No	NA	BALLYARD_010	Kileengarrif_SC_010	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11369.24	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3303	Turbine Delivery Route Option 3A	Tipperary	57475	TDR 25m intervals	571738.96	667705.61	NA	NA	No	NA	BALLYARD_010	Kileengarrif_SC_010	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11353.97	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3304	Turbine Delivery Route Option 3A	Tipperary	57450	TDR 25m intervals	571716.69	667716.96	NA	NA	No	NA	BALLYARD_010	Kileengarrif_SC_010	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11340.30	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3305	Turbine Delivery Route Option 3A	Tipperary	57425	TDR 25m intervals	571695.32	667729.92	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11328.26	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3306	Turbine Delivery Route Option 3A	Tipperary	57400	TDR 25m intervals	571674.87	667744.30	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11317.77	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3307	Turbine Delivery Route Option 3A	Tipperary	57375	TDR 25m intervals	571655.33	667759.88	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11308.72	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3308	Turbine Delivery Route Option 3A	Tipperary	57350	TDR 25m intervals	571636.65	667776.49	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11300.97	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3309	Turbine Delivery Route Option 3A	Tipperary	57325	TDR 25m intervals	571618.86	667794.05	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11294.53	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3310	Turbine Delivery Route Option 3A	Tipperary	57300	TDR 25m intervals	571602.09	667812.59	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11289.52	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3311	Turbine Delivery Route Option 3A	Tipperary	59100	TDR 25m intervals	571586.38	667832.02	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11285.92	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3312	Turbine Delivery Route Option 3A	Tipperary	57275	TDR 25m intervals	571571.56	667852.16	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11283.51	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3313	Turbine Delivery Route Option 3A	Tipperary	57250	TDR 25m intervals	571557.28	667872.68	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11281.81	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3314	Turbine Delivery Route Option 3A	Tipperary	59200	TDR 25m intervals	571543.28	667893.39	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	Extreme (E)	1 to 3m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	11280.51	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3315	Turbine Delivery Route Option 3A	Tipperary	57225	TDR 25m intervals	571529.39	667914.18	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	Extreme (E)	1 to 3m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	11279.39	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3316	Turbine Delivery Route Option 3A	Tipperary	57200	TDR 25m intervals	571515.56	667935.00	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	Extreme (E)	1 to 3m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	11278.40	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3317	Turbine Delivery Route Option 3A	Tipperary	59275	TDR 25m intervals	571501.75	667955.84	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	Extreme (E)	1 to 3m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	11277.49	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone

Appendix 10.3 - Baseline Database -Turbine Delivery Route, Option 3A
Oatfield WF, Co. Clare

Project Ref. 604569
Prepared by: Cca / DW
Date: 17/11/2023
File Ref: 604569-Geo-R03-App10.3-(00)-Baseline Database -Turbine Delivery Route

	TDR		Assessment Location		Grid Coordinates (ITM)		Construction Details		Surface Water				Groundwater / Bedrock Aquifer						Groundwater / Wells / Abstraction		Designated Areas			Assessment Graphics / Comment	
Row No.	Turbine Delivery Route (TDR)	County	Location ID	Assessment Location Category	Easting	Northing	Type of Water Crossing / Construction Activity	Approximate Construction Depth (Excavation / Drilling) Depth Relative to Ground Level)	SW 50m Buffer	Receptor Category (Mapped river = EPA / WFD mapped)	River basins	Subcatchments	Aquifer Vulnerability	Potential Depth to Bedrock (acc. To GSI categories)	GW Aquifer Type	Excavation in or near Bedrock (In line with GSI mapped Aquifer Vulnerability)	Karst 25m buffer	Distance to Karst Feature	GW Abstraction 250m Buffer	Groundwater Source Protection Area NFGWS	SAC 50m Buffer	SPA 50m Buffer	Within SAC / SPA / NHA ?	Map Tile Number	Comments & MITIGATION MEASURES
					ITM	ITM		mbGL	50m										250m						
3318	Turbine Delivery Route Option 3A	Tipperary	57175	TDR 25m intervals	571487.97	667976.70	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	Extreme (E)	1 to 3m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	11276.67	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3319	Turbine Delivery Route Option 3A	Tipperary	57150	TDR 25m intervals	571474.20	667997.57	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	Extreme (E)	1 to 3m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	11275.93	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3320	Turbine Delivery Route Option 3A	Tipperary	59350	TDR 25m intervals	571460.45	668018.45	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	Extreme (E)	1 to 3m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	11275.25	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3321	Turbine Delivery Route Option 3A	Tipperary	57125	TDR 25m intervals	571446.70	668039.32	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	Extreme (E)	1 to 3m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	11274.63	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3322	Turbine Delivery Route Option 3A	Tipperary	57100	TDR 25m intervals	571432.95	668060.20	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	Extreme (E)	1 to 3m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	11274.07	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3323	Turbine Delivery Route Option 3A	Tipperary	59425	TDR 25m intervals	571419.20	668081.09	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	Extreme (E)	1 to 3m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	11273.57	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3324	Turbine Delivery Route Option 3A	Tipperary	57075	TDR 25m intervals	571405.46	668101.97	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	Extreme (E)	1 to 3m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	11273.13	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3325	Turbine Delivery Route Option 3A	Tipperary	57050	TDR 25m intervals	571391.75	668122.87	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	11272.78	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3326	Turbine Delivery Route Option 3A	Tipperary	57025	TDR 25m intervals	571378.05	668143.79	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	11272.51	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3327	Turbine Delivery Route Option 3A	Tipperary	59500	TDR 25m intervals	571364.39	668164.73	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	11272.33	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3328	Turbine Delivery Route Option 3A	Tipperary	57000	TDR 25m intervals	571350.76	668185.68	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	11272.24	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3329	Turbine Delivery Route Option 3A	Tipperary	56975	TDR 25m intervals	571337.18	668206.68	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	11272.28	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3330	Turbine Delivery Route Option 3A	Tipperary	59575	TDR 25m intervals	571323.67	668227.71	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	11272.44	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3331	Turbine Delivery Route Option 3A	Tipperary	56950	TDR 25m intervals	571310.23	668248.79	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	11272.75	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3332	Turbine Delivery Route Option 3A	Tipperary	56925	TDR 25m intervals	571296.89	668269.93	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	11273.23	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3333	Turbine Delivery Route Option 3A	Tipperary	59650	TDR 25m intervals	571283.64	668291.13	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	11273.88	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3334	Turbine Delivery Route Option 3A	Tipperary	56900	TDR 25m intervals	571270.49	668312.39	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	11274.69	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3335	Turbine Delivery Route Option 3A	Tipperary	56875	TDR 25m intervals	571257.42	668333.71	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	11275.66	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3336	Turbine Delivery Route Option 3A	Tipperary	59725	TDR 25m intervals	571244.41	668355.05	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	11276.74	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3337	Turbine Delivery Route Option 3A	Tipperary	56850	TDR 25m intervals	571231.42	668376.41	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	11277.92	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3338	Turbine Delivery Route Option 3A	Tipperary	59800	TDR 25m intervals	571218.42	668397.77	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	11279.13	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3339	Turbine Delivery Route Option 3A	Tipperary	56825	TDR 25m intervals	571205.36	668419.09	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	11280.34	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3340	Turbine Delivery Route Option 3A	Tipperary	56800	TDR 25m intervals	571192.22	668440.35	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	11281.49	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3341	Turbine Delivery Route Option 3A	Tipperary	59875	TDR 25m intervals	571179.01	668461.58	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	11282.62	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3342	Turbine Delivery Route Option 3A	Tipperary	56775	TDR 25m intervals	571165.79	668482.80	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	11283.81	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3343	Turbine Delivery Route Option 3A	Tipperary	56750	TDR 25m intervals	571152.62	668504.05	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	11285.10	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3344	Turbine Delivery Route Option 3A	Tipperary	56725	TDR 25m intervals	571139.55	668525.36	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	11286.56	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3345	Turbine Delivery Route Option 3A	Tipperary	59950	TDR 25m intervals	571126.63	668546.76	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	11288.25	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3346	Turbine Delivery Route Option 3A	Tipperary	56700	TDR 25m intervals	571113.94	668568.30	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	11290.26	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3347	Turbine Delivery Route Option 3A	Tipperary	60025	TDR 25m intervals	571101.48	668589.97	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11292.60	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3348	Turbine Delivery Route Option 3A	Tipperary	56675	TDR 25m intervals	571089.20	668611.75	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11295.20	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3349	Turbine Delivery Route Option 3A	Tipperary	56650	TDR 25m intervals	571077.06	668633.60	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11298.00	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3350	Turbine Delivery Route Option 3A	Tipperary	60075	TDR 25m intervals	571064.98	668655.49	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11300.95	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3351	Turbine Delivery Route Option 3A	Tipperary	56625	TDR 25m intervals	571052.91	668677.39	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11303.94	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3352	Turbine Delivery Route Option 3A	Tipperary	56600	TDR 25m intervals	571040.73	668699.22	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11306.87	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone

Appendix 10.3 - Baseline Database -Turbine Delivery Route, Option 3A
Oatfield WF, Co. Clare

Project Ref. 604569
Prepared by: Cca / DW
Date: 17/11/2023
File Ref: 604569-Geo-R03-App10.3-(00)-Baseline Database -Turbine Delivery Route

	TDR		Assessment Location		Grid Coordinates (ITM)		Construction Details		Surface Water				Groundwater / Bedrock Aquifer						Groundwater / Wells / Abstraction		Designated Areas			Assessment Graphics / Comment	
Row No.	Turbine Delivery Route (TDR)	County	Location ID	Assessment Location Category	Easting	Northing	Type of Water Crossing / Construction Activity	Approximate Construction Depth (Excavation / Drilling) Depth Relative to Ground Level)	SW 50m Buffer	Receptor Category (Mapped river = EPA / WFD mapped)	River basins	Subcatchments	Aquifer Vulnerability	Potential Depth to Bedrock (acc. To GSI categories)	GW Aquifer Type	Excavation in or near Bedrock (In line with GSI mapped Aquifer Vulnerability)	Karst 25m buffer	Distance to Karst Feature	GW Abstraction 250m Buffer	Groundwater Source Protection Area NFGWS	SAC 50m Buffer	SPA 50m Buffer	Within SAC / SPA / NHA ?	Map Tile Number	Comments & MITIGATION MEASURES
					ITM	ITM		mbGL	50m										250m						
3353	Turbine Delivery Route Option 3A	Tipperary	60150	TDR 25m intervals	571028.29	668720.90	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11309.56	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3354	Turbine Delivery Route Option 3A	Tipperary	56575	TDR 25m intervals	571015.75	668742.53	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11312.19	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3355	Turbine Delivery Route Option 3A	Tipperary		Site No. 3	571006.30	668749.77	Road widening	0.45	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	11312.19	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3356	Turbine Delivery Route Option 3A	Tipperary	60225	TDR 25m intervals	571003.66	668764.41	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11315.38	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3357	Turbine Delivery Route Option 3A	Tipperary	56550	TDR 25m intervals	570993.06	668787.04	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11320.28	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3358	Turbine Delivery Route Option 3A	Tipperary	60275	TDR 25m intervals	570984.80	668810.62	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11327.66	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3359	Turbine Delivery Route Option 3A	Tipperary	56525	TDR 25m intervals	570978.66	668834.85	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11337.19	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3360	Turbine Delivery Route Option 3A	Tipperary	60300	TDR 25m intervals	570973.99	668859.41	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11348.15	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3361	Turbine Delivery Route Option 3A	Tipperary	60325	TDR 25m intervals	570970.24	668884.12	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11359.97	No	No	No	No	No		NA
3362	Turbine Delivery Route Option 3A	Tipperary	60375	TDR 25m intervals	570967.15	668908.93	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11372.42	No	No	No	No	No		NA
3363	Turbine Delivery Route Option 3A	Tipperary	60400	TDR 25m intervals	570964.50	668933.79	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11385.30	No	No	No	No	No		NA
3364	Turbine Delivery Route Option 3A	Tipperary	60425	TDR 25m intervals	570962.35	668958.70	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11398.64	No	No	No	No	No		NA
3365	Turbine Delivery Route Option 3A	Tipperary	60450	TDR 25m intervals	570960.61	668983.63	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11412.36	No	No	No	No	No		NA
3366	Turbine Delivery Route Option 3A	Tipperary	56500	TDR 25m intervals	570959.28	669008.60	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	11426.47	No	No	No	No	No		NA
3367	Turbine Delivery Route Option 3A	Tipperary	60475	TDR 25m intervals	570958.45	669033.58	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	11441.02	No	No	No	No	No		NA
3368	Turbine Delivery Route Option 3A	Tipperary	60500	TDR 25m intervals	570957.95	669058.58	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	11455.88	No	No	No	No	No		NA
3369	Turbine Delivery Route Option 3A	Tipperary	60525	TDR 25m intervals	570957.64	669083.58	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	11470.92	No	No	No	No	No		NA
3370	Turbine Delivery Route Option 3A	Tipperary	60550	TDR 25m intervals	570957.37	669108.57	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	11486.03	No	No	No	No	No		NA
3371	Turbine Delivery Route Option 3A	Tipperary	60575	TDR 25m intervals	570956.84	669133.57	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11500.97	No	No	No	No	No		NA
3372	Turbine Delivery Route Option 3A	Tipperary	60600	TDR 25m intervals	570955.48	669158.53	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11515.26	No	No	No	No	No		NA
3373	Turbine Delivery Route Option 3A	Tipperary	60625	TDR 25m intervals	570952.40	669183.33	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11528.14	No	No	No	No	No		NA
3374	Turbine Delivery Route Option 3A	Tipperary	60675	TDR 25m intervals	570947.23	669207.78	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11539.21	No	No	No	No	No		NA
3375	Turbine Delivery Route Option 3A	Tipperary	56475	TDR 25m intervals	570941.33	669232.08	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11549.65	No	No	No	No	No		NA
3376	Turbine Delivery Route Option 3A	Tipperary	60700	TDR 25m intervals	570936.43	669256.59	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11561.04	No	No	No	No	No		NA
3377	Turbine Delivery Route Option 3A	Tipperary	60725	TDR 25m intervals	570932.51	669281.28	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11573.37	No	No	No	No	No		NA
3378	Turbine Delivery Route Option 3A	Tipperary	60775	TDR 25m intervals	570929.34	669306.07	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11586.38	No	No	No	No	No		NA
3379	Turbine Delivery Route Option 3A	Tipperary	60800	TDR 25m intervals	570926.58	669330.92	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11599.78	No	No	No	No	No		NA
3380	Turbine Delivery Route Option 3A	Tipperary	60825	TDR 25m intervals	570924.19	669355.81	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11613.53	No	No	No	No	No		NA
3381	Turbine Delivery Route Option 3A	Tipperary	60850	TDR 25m intervals	570922.00	669380.71	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11627.49	No	No	No	No	No		NA
3382	Turbine Delivery Route Option 3A	Tipperary	56450	TDR 25m intervals	570919.93	669405.62	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11641.59	No	No	No	No	No		NA
3383	Turbine Delivery Route Option 3A	Tipperary	60875	TDR 25m intervals	570917.99	669430.55	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11655.83	No	No	Lower River Shannon SAC	No	No		ELEVATED RISK Within Lower River Shannon SAC Buffer
3384	Turbine Delivery Route Option 3A	Tipperary	60900	TDR 25m intervals	570916.11	669455.48	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11670.15	No	No	Lower River Shannon SAC	No	No		ELEVATED RISK Within Lower River Shannon SAC Buffer
3385	Turbine Delivery Route Option 3A	Tipperary	60925	TDR 25m intervals	570914.27	669480.41	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11684.55	No	No	Lower River Shannon SAC	No	No		ELEVATED RISK Within Lower River Shannon SAC Buffer
3386	Turbine Delivery Route Option 3A	Tipperary	60950	TDR 25m intervals	570912.45	669505.34	NA	NA	Yes	KILMASTULLA_050	KILMASTULLA_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11698.99	No	No	Lower River Shannon SAC	No	No		ELEVATED RISK Within SW Buffer Zone Within Lower River Shannon SAC Buffer
3387	Turbine Delivery Route Option 3A	Tipperary	60975	TDR 25m intervals	570910.64	669530.28	NA	NA	Yes	KILMASTULLA_050	KILMASTULLA_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11713.49	No	No	Lower River Shannon SAC	No	No		ELEVATED RISK Within SW Buffer Zone Within Lower River Shannon SAC Buffer

Appendix 10.3 - Baseline Database -Turbine Delivery Route, Option 3A
Oatfield WF, Co. Clare

Project Ref. 604569
Prepared by: Cca / DW
Date: 17/11/2023
File Ref: 604569-Geo-R03-App10.3-(00)-Baseline Database -Turbine Delivery Route

	TDR		Assessment Location		Grid Coordinates (ITM)		Construction Details		Surface Water				Groundwater / Bedrock Aquifer						Groundwater / Wells / Abstraction		Designated Areas			Assessment Graphics / Comment	
Row No.	Turbine Delivery Route (TDR)	County	Location ID	Assessment Location Category	Easting	Northing	Type of Water Crossing / Construction Activity	Approximate Construction Depth (Excavation / Drilling) Depth Relative to Ground Level)	SW 50m Buffer	Receptor Category (Mapped river = EPA / WFD mapped)	River basins	Subcatchments	Aquifer Vulnerability	Potential Depth to Bedrock (acc. To GSI categories)	GW Aquifer Type	Excavation in or near Bedrock (In line with GSI mapped Aquifer Vulnerability)	Karst 25m buffer	Distance to Karst Feature	GW Abstraction 250m Buffer	Groundwater Source Protection Area NFGWS	SAC 50m Buffer	SPA 50m Buffer	Within SAC / SPA / NHA ?	Map Tile Number	Comments & MITIGATION MEASURES
					ITM	ITM		mbGL	50m										250m						
3388	Turbine Delivery Route Option 3A	Tipperary		TDR_WCC_138	570907.66	669546.12	WCC	NA	Yes	KILMASTULLA_050	KILMASTULLA_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11728.01	No	No	Lower River Shannon SAC	No	Lower River Shannon SAC		ELEVATED RISK Within SW Buffer Zone Within Lower River Shannon SAC
3389	Turbine Delivery Route Option 3A	Tipperary	61025	TDR 25m intervals	570908.83	669555.21	NA	NA	Yes	KILMASTULLA_050	KILMASTULLA_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11728.01	No	No	Lower River Shannon SAC	No	Lower River Shannon SAC		ELEVATED RISK Within SW Buffer Zone Within Lower River Shannon SAC
3390	Turbine Delivery Route Option 3A	Tipperary	61050	TDR 25m intervals	570907.02	669580.15	NA	NA	Yes	KILMASTULLA_050	KILMASTULLA_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11742.57	No	No	Lower River Shannon SAC	No	No		ELEVATED RISK Within SW Buffer Zone Within Lower River Shannon SAC Buffer
3391	Turbine Delivery Route Option 3A	Tipperary	61075	TDR 25m intervals	570905.19	669605.08	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11757.14	No	No	Lower River Shannon SAC	No	No		ELEVATED RISK Within Lower River Shannon SAC Buffer
3392	Turbine Delivery Route Option 3A	Tipperary	61100	TDR 25m intervals	570903.32	669630.01	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11771.73	No	No	No	No	No		NA
3393	Turbine Delivery Route Option 3A	Tipperary	56425	TDR 25m intervals	570901.43	669654.94	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11786.33	No	No	No	No	No		NA
3394	Turbine Delivery Route Option 3A	Tipperary	61125	TDR 25m intervals	570899.47	669679.86	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11800.91	No	No	No	No	No		NA
3395	Turbine Delivery Route Option 3A	Tipperary	61150	TDR 25m intervals	570897.48	669704.78	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11815.50	No	No	No	No	No		NA
3396	Turbine Delivery Route Option 3A	Tipperary	61175	TDR 25m intervals	570895.39	669729.69	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11830.04	No	No	No	No	No		NA
3397	Turbine Delivery Route Option 3A	Tipperary	61200	TDR 25m intervals	570893.26	669754.60	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11844.58	No	No	No	No	No		NA
3398	Turbine Delivery Route Option 3A	Tipperary	61250	TDR 25m intervals	570890.98	669779.50	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11859.04	No	No	No	No	No		NA
3399	Turbine Delivery Route Option 3A	Tipperary	61275	TDR 25m intervals	570888.66	669804.39	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11873.50	No	No	No	No	No		NA
3400	Turbine Delivery Route Option 3A	Tipperary	61300	TDR 25m intervals	570886.21	669829.27	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11887.88	No	No	No	No	No		NA
3401	Turbine Delivery Route Option 3A	Tipperary	56400	TDR 25m intervals	570883.69	669854.14	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11902.25	No	No	No	No	No		NA
3402	Turbine Delivery Route Option 3A	Tipperary	61325	TDR 25m intervals	570881.08	669879.01	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11916.57	No	No	No	No	No		NA
3403	Turbine Delivery Route Option 3A	Tipperary	61350	TDR 25m intervals	570878.39	669903.86	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11930.87	No	No	No	No	No		NA
3404	Turbine Delivery Route Option 3A	Tipperary	61375	TDR 25m intervals	570875.65	669928.71	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11945.16	No	No	No	No	No		NA
3405	Turbine Delivery Route Option 3A	Tipperary	61400	TDR 25m intervals	570872.83	669953.55	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11959.42	No	No	No	No	No		NA
3406	Turbine Delivery Route Option 3A	Tipperary	61450	TDR 25m intervals	570869.99	669978.39	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11973.70	No	No	No	No	No		NA
3407	Turbine Delivery Route Option 3A	Tipperary	61475	TDR 25m intervals	570867.10	670003.22	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	11987.96	No	No	No	No	No		NA
3408	Turbine Delivery Route Option 3A	Tipperary	56375	TDR 25m intervals	570864.19	670028.05	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	12002.26	No	No	No	No	No		NA
3409	Turbine Delivery Route Option 3A	Tipperary	61500	TDR 25m intervals	570861.27	670052.88	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	12016.58	No	No	No	No	No		NA
3410	Turbine Delivery Route Option 3A	Tipperary	61525	TDR 25m intervals	570858.36	670077.71	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	12030.93	No	No	No	No	No		NA
3411	Turbine Delivery Route Option 3A	Tipperary	61550	TDR 25m intervals	570855.46	670102.54	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	12045.33	No	No	No	No	No		NA
3412	Turbine Delivery Route Option 3A	Tipperary	61600	TDR 25m intervals	570852.56	670127.37	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	12059.78	No	No	No	No	No		NA
3413	Turbine Delivery Route Option 3A	Tipperary	61625	TDR 25m intervals	570849.71	670152.21	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	12074.29	No	No	No	No	No		NA
3414	Turbine Delivery Route Option 3A	Tipperary	62375	TDR 25m intervals	570846.87	670177.05	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	12088.84	No	No	No	No	No		NA
3415	Turbine Delivery Route Option 3A	Tipperary	62325	TDR 25m intervals	570844.07	670201.89	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	12103.47	No	No	No	No	No		NA
3416	Turbine Delivery Route Option 3A	Tipperary	62400	TDR 25m intervals	570841.29	670226.74	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	12118.14	No	No	No	No	No		NA
3417	Turbine Delivery Route Option 3A	Tipperary	62275	TDR 25m intervals	570838.55	670251.59	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	12132.88	No	No	No	No	No		NA
3418	Turbine Delivery Route Option 3A	Tipperary	62425	TDR 25m intervals	570835.83	670276.44	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	12147.66	No	No	No	No	No		NA
3419	Turbine Delivery Route Option 3A	Tipperary	62225	TDR 25m intervals	570833.17	670301.29	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	12162.53	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3420	Turbine Delivery Route Option 3A	Tipperary	61800	TDR 25m intervals	570830.52	670326.15	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	12177.44	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3421	Turbine Delivery Route Option 3A	Tipperary	62450	TDR 25m intervals	570827.94	670351.02	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	12192.45	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3422	Turbine Delivery Route Option 3A	Tipperary	56325	TDR 25m intervals	570825.39	670375.89	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	12207.51	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone

Appendix 10.3 - Baseline Database -Turbine Delivery Route, Option 3A
Oatfield WF, Co. Clare

Project Ref. 604569
Prepared by: Cca / DW
Date: 17/11/2023
File Ref: 604569-Geo-R03-App10.3-(00)-Baseline Database -Turbine Delivery Route

	TDR		Assessment Location		Grid Coordinates (ITM)		Construction Details		Surface Water				Groundwater / Bedrock Aquifer						Groundwater / Wells / Abstraction		Designated Areas			Assessment Graphics / Comment	
Row No.	Turbine Delivery Route (TDR)	County	Location ID	Assessment Location Category	Easting	Northing	Type of Water Crossing / Construction Activity	Approximate Construction Depth (Excavation / Drilling) Depth Relative to Ground Level)	SW 50m Buffer	Receptor Category (Mapped river = EPA / WFD mapped)	River basins	Subcatchments	Aquifer Vulnerability	Potential Depth to Bedrock (acc. To GSI categories)	GW Aquifer Type	Excavation in or near Bedrock (In line with GSI mapped Aquifer Vulnerability)	Karst 25m buffer	Distance to Karst Feature	GW Abstraction 250m Buffer	Groundwater Source Protection Area NFGWS	SAC 50m Buffer	SPA 50m Buffer	Within SAC / SPA / NHA ?	Map Tile Number	Comments & MITIGATION MEASURES
					ITM	ITM		mbGL	50m										250m						
3423	Turbine Delivery Route Option 3A	Tipperary	62150	TDR 25m intervals	570822.93	670400.77	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	12222.67	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3424	Turbine Delivery Route Option 3A	Tipperary	61900	TDR 25m intervals	570820.53	670425.65	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	12237.91	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3425	Turbine Delivery Route Option 3A	Tipperary	62125	TDR 25m intervals	570818.22	670450.55	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	12253.26	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3426	Turbine Delivery Route Option 3A	Tipperary	61925	TDR 25m intervals	570816.08	670475.45	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	12268.77	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3427	Turbine Delivery Route Option 3A	Tipperary	61975	TDR 25m intervals	570814.10	670500.38	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	12284.44	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3428	Turbine Delivery Route Option 3A	Tipperary	62000	TDR 25m intervals	570812.41	670525.32	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	12300.36	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3429	Turbine Delivery Route Option 3A	Tipperary	62025	TDR 25m intervals	570811.25	670550.29	NA	NA	No	NA	KILMASTULLA_050	Shannon[Lower]_SC_080	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	12316.72	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3430	Turbine Delivery Route Option 3A	Tipperary	62500	TDR 25m intervals	570810.98	670575.28	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	12333.77	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3431	Turbine Delivery Route Option 3A	Tipperary	62050	TDR 25m intervals	570811.91	670600.26	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	12351.70	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3432	Turbine Delivery Route Option 3A	Tipperary	62075	TDR 25m intervals	570814.26	670625.15	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	12370.62	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3433	Turbine Delivery Route Option 3A	Tipperary	62475	TDR 25m intervals	570817.36	670649.96	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	12390.04	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3434	Turbine Delivery Route Option 3A	Tipperary	61875	TDR 25m intervals	570820.62	670674.74	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	12409.59	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3435	Turbine Delivery Route Option 3A	Tipperary	62175	TDR 25m intervals	570823.88	670699.53	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	12429.15	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3436	Turbine Delivery Route Option 3A	Tipperary	61825	TDR 25m intervals	570827.10	670724.32	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	12448.71	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3437	Turbine Delivery Route Option 3A	Tipperary	62200	TDR 25m intervals	570830.26	670749.12	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	12468.25	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3438	Turbine Delivery Route Option 3A	Tipperary	61750	TDR 25m intervals	570833.37	670773.93	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	12487.78	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3439	Turbine Delivery Route Option 3A	Tipperary	61725	TDR 25m intervals	570836.38	670798.74	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	12507.26	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3440	Turbine Delivery Route Option 3A	Tipperary	61700	TDR 25m intervals	570839.26	670823.58	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	12526.68	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3441	Turbine Delivery Route Option 3A	Tipperary	61675	TDR 25m intervals	570841.94	670848.43	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	12546.00	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3442	Turbine Delivery Route Option 3A	Tipperary	56350	TDR 25m intervals	570844.26	670873.32	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	12565.10	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3443	Turbine Delivery Route Option 3A	Tipperary	61650	TDR 25m intervals	570845.64	670898.28	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	12583.61	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3444	Turbine Delivery Route Option 3A	Tipperary	62350	TDR 25m intervals	570844.92	670923.25	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	12600.64	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3445	Turbine Delivery Route Option 3A	Tipperary	62300	TDR 25m intervals	570839.97	670947.72	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	12614.36	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3446	Turbine Delivery Route Option 3A	Tipperary	61775	TDR 25m intervals	570832.10	670971.45	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	12625.51	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3447	Turbine Delivery Route Option 3A	Tipperary	61850	TDR 25m intervals	570823.55	670994.94	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	12636.05	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3448	Turbine Delivery Route Option 3A	Tipperary	61950	TDR 25m intervals	570815.17	671018.49	NA	NA	Yes	SHANNON (LOWER)_050	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	12646.80	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone
3449	Turbine Delivery Route Option 3A	Tipperary	56300	TDR 25m intervals	570807.28	671042.21	NA	NA	Yes	SHANNON (LOWER)_050	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	12658.05	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone
3450	Turbine Delivery Route Option 3A	Tipperary		TDR_WCC_139	570804.55	671061.60	WCC	NA	Yes	SHANNON (LOWER)_050	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	12658.05	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone
3451	Turbine Delivery Route Option 3A	Tipperary	62525	TDR 25m intervals	570799.88	671066.09	NA	NA	Yes	SHANNON (LOWER)_050	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	12669.80	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone
3452	Turbine Delivery Route Option 3A	Tipperary	62575	TDR 25m intervals	570792.90	671090.10	NA	NA	Yes	SHANNON (LOWER)_050	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	12681.97	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone
3453	Turbine Delivery Route Option 3A	Tipperary	56275	TDR 25m intervals	570786.16	671114.17	NA	NA	Yes	SHANNON (LOWER)_050	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	12694.40	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone
3454	Turbine Delivery Route Option 3A	Tipperary	62600	TDR 25m intervals	570779.57	671138.29	NA	NA	Yes	SHANNON (LOWER)_050	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	12707.00	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone
3455	Turbine Delivery Route Option 3A	Tipperary	62650	TDR 25m intervals	570773.09	671162.43	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	12719.73	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3456	Turbine Delivery Route Option 3A	Tipperary	56250	TDR 25m intervals	570766.65	671186.59	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	12732.54	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3457	Turbine Delivery Route Option 3A	Tipperary	62675	TDR 25m intervals	570760.23	671210.75	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	12745.40	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone

Appendix 10.3 - Baseline Database -Turbine Delivery Route, Option 3A
Oatfield WF, Co. Clare

Project Ref. 604569
Prepared by: Cca / DW
Date: 17/11/2023
File Ref: 604569-Geo-R03-App10.3-(00)-Baseline Database -Turbine Delivery Route

	TDR		Assessment Location		Grid Coordinates (ITM)		Construction Details		Surface Water				Groundwater / Bedrock Aquifer						Groundwater / Wells / Abstraction		Designated Areas			Assessment Graphics / Comment	
Row No.	Turbine Delivery Route (TDR)	County	Location ID	Assessment Location Category	Easting	Northing	Type of Water Crossing / Construction Activity	Approximate Construction Depth (Excavation / Drilling) Depth Relative to Ground Level)	SW 50m Buffer	Receptor Category (Mapped river = EPA / WFD mapped)	River basins	Subcatchments	Aquifer Vulnerability	Potential Depth to Bedrock (acc. To GSI categories)	GW Aquifer Type	Excavation in or near Bedrock (In line with GSI mapped Aquifer Vulnerability)	Karst 25m buffer	Distance to Karst Feature	GW Abstraction 250m Buffer	Groundwater Source Protection Area NFGWS	SAC 50m Buffer	SPA 50m Buffer	Within SAC / SPA / NHA ?	Map Tile Number	Comments & MITIGATION MEASURES
					ITM	ITM		mbGL	50m										250m						
3458	Turbine Delivery Route Option 3A	Tipperary	62725	TDR 25m intervals	570753.80	671234.91	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	12758.28	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3459	Turbine Delivery Route Option 3A	Tipperary	56225	TDR 25m intervals	570747.34	671259.06	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	12771.18	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3460	Turbine Delivery Route Option 3A	Tipperary	62750	TDR 25m intervals	570740.85	671283.21	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	12784.09	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3461	Turbine Delivery Route Option 3A	Tipperary	56200	TDR 25m intervals	570734.35	671307.34	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	12797.02	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3462	Turbine Delivery Route Option 3A	Tipperary	62800	TDR 25m intervals	570727.83	671331.48	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	12809.97	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3463	Turbine Delivery Route Option 3A	Tipperary	63600	TDR 25m intervals	570721.31	671355.61	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	12822.96	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3464	Turbine Delivery Route Option 3A	Tipperary	56175	TDR 25m intervals	570714.80	671379.75	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	12835.98	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3465	Turbine Delivery Route Option 3A	Tipperary	63675	TDR 25m intervals	570708.30	671403.89	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Low (L)	>10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	12849.06	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3466	Turbine Delivery Route Option 3A	Tipperary	63475	TDR 25m intervals	570701.85	671428.05	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Low (L)	>10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	12862.22	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3467	Turbine Delivery Route Option 3A	Tipperary	56150	TDR 25m intervals	570695.49	671452.22	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Low (L)	>10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	12875.48	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3468	Turbine Delivery Route Option 3A	Tipperary	63375	TDR 25m intervals	570689.25	671476.43	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Low (L)	>10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	12888.89	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3469	Turbine Delivery Route Option 3A	Tipperary	63300	TDR 25m intervals	570683.24	671500.70	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Low (L)	>10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	12902.54	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3470	Turbine Delivery Route Option 3A	Tipperary	63200	TDR 25m intervals	570677.59	671525.05	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Low (L)	>10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	12916.52	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3471	Turbine Delivery Route Option 3A	Tipperary	63125	TDR 25m intervals	570672.74	671549.57	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Low (L)	>10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	12931.20	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3472	Turbine Delivery Route Option 3A	Tipperary	63075	TDR 25m intervals	570670.51	671574.45	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Low (L)	>10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	12947.96	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3473	Turbine Delivery Route Option 3A	Tipperary	63050	TDR 25m intervals	570671.02	671599.44	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Low (L)	>10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	12966.68	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3474	Turbine Delivery Route Option 3A	Tipperary	63100	TDR 25m intervals	570672.39	671624.40	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Low (L)	>10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	12985.98	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3475	Turbine Delivery Route Option 3A	Tipperary	63150	TDR 25m intervals	570673.96	671649.35	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Low (L)	>10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	13005.43	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3476	Turbine Delivery Route Option 3A	Tipperary	56125	TDR 25m intervals	570675.54	671674.30	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Low (L)	>10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	13024.91	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3477	Turbine Delivery Route Option 3A	Tipperary	63175	TDR 25m intervals	570677.13	671699.25	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Low (L)	>10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	13044.41	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3478	Turbine Delivery Route Option 3A	Tipperary	63225	TDR 25m intervals	570678.69	671724.20	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Low (L)	>10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	13063.91	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3479	Turbine Delivery Route Option 3A	Tipperary	63000	TDR 25m intervals	570680.08	671749.16	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	13083.32	No	No	No	No	No		NA
3480	Turbine Delivery Route Option 3A	Tipperary	63250	TDR 25m intervals	570681.19	671774.14	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	13102.57	No	No	No	No	No		NA
3481	Turbine Delivery Route Option 3A	Tipperary	63275	TDR 25m intervals	570682.22	671799.12	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	13121.79	No	No	No	No	No		NA
3482	Turbine Delivery Route Option 3A	Tipperary	63700	TDR 25m intervals	570683.72	671824.07	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	13141.33	No	No	No	No	No		NA
3483	Turbine Delivery Route Option 3A	Tipperary	62975	TDR 25m intervals	570686.20	671848.95	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	13161.48	No	No	No	No	No		NA
3484	Turbine Delivery Route Option 3A	Tipperary	63350	TDR 25m intervals	570688.98	671873.79	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	13181.83	No	No	No	No	No		NA
3485	Turbine Delivery Route Option 3A	Tipperary	62950	TDR 25m intervals	570691.77	671898.64	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	13202.20	No	No	Lower River Shannon SAC	No	No		ELEVATED RISK Within Lower River Shannon SAC Buffer
3486	Turbine Delivery Route Option 3A	Tipperary	63400	TDR 25m intervals	570694.55	671923.48	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	13222.58	No	No	Lower River Shannon SAC	No	No		ELEVATED RISK Within Lower River Shannon SAC Buffer
3487	Turbine Delivery Route Option 3A	Tipperary	63425	TDR 25m intervals	570697.33	671948.33	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	13242.97	No	No	Lower River Shannon SAC	No	No		ELEVATED RISK Within Lower River Shannon SAC Buffer
3488	Turbine Delivery Route Option 3A	Tipperary	63450	TDR 25m intervals	570700.12	671973.17	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	13263.38	No	No	Lower River Shannon SAC	No	No		ELEVATED RISK Within Lower River Shannon SAC Buffer
3489	Turbine Delivery Route Option 3A	Tipperary	62900	TDR 25m intervals	570702.90	671998.02	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	13283.81	No	No	Lower River Shannon SAC	No	No		ELEVATED RISK Within Lower River Shannon SAC Buffer
3490	Turbine Delivery Route Option 3A	Tipperary	63525	TDR 25m intervals	570705.83	672022.84	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	13304.34	No	No	Lower River Shannon SAC	No	No		ELEVATED RISK Within Lower River Shannon SAC Buffer
3491	Turbine Delivery Route Option 3A	Tipperary	62875	TDR 25m intervals	570709.56	672047.56	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	13325.33	No	No	Lower River Shannon SAC	No	No		ELEVATED RISK Within Lower River Shannon SAC Buffer
3492	Turbine Delivery Route Option 3A	Tipperary	63550	TDR 25m intervals	570713.52	672072.25	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	13346.46	No	No	No	No	No		NA

Appendix 10.3 - Baseline Database -Turbine Delivery Route, Option 3A
Oatfield WF, Co. Clare

Project Ref. 604569
Prepared by: Cca / DW
Date: 17/11/2023
File Ref: 604569-Geo-R03-App10.3-(00)-Baseline Database -Turbine Delivery Route

	TDR		Assessment Location		Grid Coordinates (ITM)		Construction Details		Surface Water				Groundwater / Bedrock Aquifer						Groundwater / Wells / Abstraction		Designated Areas			Assessment Graphics / Comment	
Row No.	Turbine Delivery Route (TDR)	County	Location ID	Assessment Location Category	Easting	Northing	Type of Water Crossing / Construction Activity	Approximate Construction Depth (Excavation / Drilling) Depth Relative to Ground Level)	SW 50m Buffer	Receptor Category (Mapped river = EPA / WFD mapped)	River basins	Subcatchments	Aquifer Vulnerability	Potential Depth to Bedrock (acc. To GSI categories)	GW Aquifer Type	Excavation in or near Bedrock (In line with GSI mapped Aquifer Vulnerability)	Karst 25m buffer	Distance to Karst Feature	GW Abstraction 250m Buffer	Groundwater Source Protection Area NFGWS	SAC 50m Buffer	SPA 50m Buffer	Within SAC / SPA / NHA ?	Map Tile Number	Comments & MITIGATION MEASURES
					ITM	ITM		mbGL	50m										250m						
3493	Turbine Delivery Route Option 3A	Tipperary	63575	TDR 25m intervals	570717.74	672096.89	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	13367.75	No	No	No	No	No		NA
3494	Turbine Delivery Route Option 3A	Tipperary		Site No. 4	570737.11	672107.39	Road widening	0.45	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Potentially	NA	13367.75	No	No	No	No	No		NA
3495	Turbine Delivery Route Option 3A	Tipperary	62825	TDR 25m intervals	570722.01	672121.52	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	13389.07	No	No	No	No	No		NA
3496	Turbine Delivery Route Option 3A	Tipperary	63650	TDR 25m intervals	570726.29	672146.15	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	13410.41	No	No	No	No	No		NA
3497	Turbine Delivery Route Option 3A	Tipperary	63625	TDR 25m intervals	570723.20	672164.62	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	13422.28	No	No	No	No	No		NA
3498	Turbine Delivery Route Option 3A	Tipperary	62925	TDR 25m intervals	570698.20	672164.74	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	13405.92	No	No	Lower River Shannon SAC	No	No		ELEVATED RISK Within Lower River Shannon SAC Buffer
3499	Turbine Delivery Route Option 3A	Tipperary	63025	TDR 25m intervals	570673.20	672164.85	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	13389.58	No	No	Lower River Shannon SAC	No	No		ELEVATED RISK Within Lower River Shannon SAC Buffer
3500	Turbine Delivery Route Option 3A	Tipperary	56100	TDR 25m intervals	570648.20	672164.97	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Water	Water	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	13373.28	No	No	Lower River Shannon SAC	No	Lower River Shannon SAC		ELEVATED RISK Within Lower River Shannon SAC
3501	Turbine Delivery Route Option 3A	Tipperary	56050	TDR 25m intervals	570623.20	672165.08	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Water	Water	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	13357.00	No	No	Lower River Shannon SAC	No	Lower River Shannon SAC		ELEVATED RISK Within Lower River Shannon SAC
3502	Turbine Delivery Route Option 3A	Tipperary	56025	TDR 25m intervals	570598.20	672165.20	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Water	Water	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	13340.75	No	No	Lower River Shannon SAC	No	Lower River Shannon SAC		ELEVATED RISK Within Lower River Shannon SAC
3503	Turbine Delivery Route Option 3A	Tipperary	55975	TDR 25m intervals	570573.20	672165.32	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Water	Water	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	13324.52	No	No	Lower River Shannon SAC	No	Lower River Shannon SAC		ELEVATED RISK Within Lower River Shannon SAC
3504	Turbine Delivery Route Option 3A	Tipperary		TDR_WCC_140	570569.41	672165.80	WCC	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Water	Water	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	13324.52	No	No	Lower River Shannon SAC	No	Lower River Shannon SAC		ELEVATED RISK Within Lower River Shannon SAC
3505	Turbine Delivery Route Option 3A	Tipperary	55950	TDR 25m intervals	570548.20	672165.43	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Water	Water	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	13308.32	No	No	Lower River Shannon SAC	No	Lower River Shannon SAC		ELEVATED RISK Within Lower River Shannon SAC
3506	Turbine Delivery Route Option 3A	Clare	55925	TDR 25m intervals	570523.20	672165.55	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Water	Water	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	13292.15	No	No	Lower River Shannon SAC	No	Lower River Shannon SAC		ELEVATED RISK Within Lower River Shannon SAC
3507	Turbine Delivery Route Option 3A	Clare	55875	TDR 25m intervals	570498.20	672165.66	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Water	Water	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	13276.01	No	No	Lower River Shannon SAC	No	Lower River Shannon SAC		ELEVATED RISK Within Lower River Shannon SAC
3508	Turbine Delivery Route Option 3A	Clare	55850	TDR 25m intervals	570473.20	672165.78	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Water	Water	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	13259.89	No	No	Lower River Shannon SAC	No	No		ELEVATED RISK Within Lower River Shannon SAC Buffer
3509	Turbine Delivery Route Option 3A	Clare	55800	TDR 25m intervals	570448.20	672165.90	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	13243.81	No	No	Lower River Shannon SAC	No	No		ELEVATED RISK Within Lower River Shannon SAC Buffer
3510	Turbine Delivery Route Option 3A	Clare	55775	TDR 25m intervals	570423.20	672166.01	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	13227.74	No	No	Lower River Shannon SAC	No	No		ELEVATED RISK Within Lower River Shannon SAC Buffer
3511	Turbine Delivery Route Option 3A	Clare	55750	TDR 25m intervals	570398.31	672168.07	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	13213.27	No	No	No	No	No		NA
3512	Turbine Delivery Route Option 3A	Clare	55700	TDR 25m intervals	570373.44	672170.61	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	13199.20	No	No	No	No	No		NA
3513	Turbine Delivery Route Option 3A	Clare	55675	TDR 25m intervals	570348.57	672173.15	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	13185.17	No	No	No	No	No		NA
3514	Turbine Delivery Route Option 3A	Clare	55650	TDR 25m intervals	570323.69	672175.68	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	13171.17	No	No	No	No	No		NA
3515	Turbine Delivery Route Option 3A	Clare	55600	TDR 25m intervals	570299.18	672172.93	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	13153.36	No	No	No	No	No		NA
3516	Turbine Delivery Route Option 3A	Clare	55575	TDR 25m intervals	570274.86	672167.13	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	13133.35	No	No	No	No	No		NA
3517	Turbine Delivery Route Option 3A	Clare	55550	TDR 25m intervals	570250.81	672160.78	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	13113.11	No	No	No	No	No		NA
3518	Turbine Delivery Route Option 3A	Clare	64150	TDR 25m intervals	570231.50	672144.90	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	13088.56	No	No	No	No	No		NA
3519	Turbine Delivery Route Option 3A	Clare	64175	TDR 25m intervals	570212.19	672129.03	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	13064.02	No	No	No	No	No		NA
3520	Turbine Delivery Route Option 3A	Clare	55450	TDR 25m intervals	570188.75	672122.05	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	13043.71	No	No	No	No	No		NA
3521	Turbine Delivery Route Option 3A	Clare	55425	TDR 25m intervals	570164.16	672117.58	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	13024.61	No	No	No	No	No		NA
3522	Turbine Delivery Route Option 3A	Clare	55400	TDR 25m intervals	570139.56	672113.10	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	13005.53	No	No	No	No	No		NA
3523	Turbine Delivery Route Option 3A	Clare	55350	TDR 25m intervals	570114.91	672114.63	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	12991.09	No	No	No	No	No		NA
3524	Turbine Delivery Route Option 3A	Clare	55325	TDR 25m intervals	570090.23	672118.65	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	12978.58	No	No	No	No	No		NA
3525	Turbine Delivery Route Option 3A	Clare	55300	TDR 25m intervals	570065.56	672122.66	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	12966.12	No	No	No	No	No		NA
3526	Turbine Delivery Route Option 3A	Clare	55250	TDR 25m intervals	570040.88	672126.68	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	12953.68	No	No	No	No	No		NA
3527	Turbine Delivery Route Option 3A	Clare	55225	TDR 25m intervals	570016.20	672130.69	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	12941.29	No	No	No	No	No		NA

Appendix 10.3 - Baseline Database -Turbine Delivery Route, Option 3A
Oatfield WF, Co. Clare

Project Ref. 604569
Prepared by: Cca / DW
Date: 17/11/2023
File Ref: 604569-Geo-R03-App10.3-(00)-Baseline Database -Turbine Delivery Route

	TDR		Assessment Location		Grid Coordinates (ITM)		Construction Details		Surface Water				Groundwater / Bedrock Aquifer						Groundwater / Wells / Abstraction		Designated Areas			Assessment Graphics / Comment	
Row No.	Turbine Delivery Route (TDR)	County	Location ID	Assessment Location Category	Easting	Northing	Type of Water Crossing / Construction Activity	Approximate Construction Depth (Excavation / Drilling) Depth Relative to Ground Level)	SW 50m Buffer	Receptor Category (Mapped river = EPA / WFD mapped)	River basins	Subcatchments	Aquifer Vulnerability	Potential Depth to Bedrock (acc. To GSI categories)	GW Aquifer Type	Excavation in or near Bedrock (In line with GSI mapped Aquifer Vulnerability)	Karst 25m buffer	Distance to Karst Feature	GW Abstraction 250m Buffer	Groundwater Source Protection Area NFGWS	SAC 50m Buffer	SPA 50m Buffer	Within SAC / SPA / NHA ?	Map Tile Number	Comments & MITIGATION MEASURES
					ITM	ITM		mbGL	50m										250m						
3528	Turbine Delivery Route Option 3A	Clare	55200	TDR 25m intervals	569993.27	672140.47	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	12934.51	No	No	No	No	No		NA
3529	Turbine Delivery Route Option 3A	Clare	55150	TDR 25m intervals	569970.51	672150.81	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	12928.32	No	No	No	No	No		NA
3530	Turbine Delivery Route Option 3A	Clare	55125	TDR 25m intervals	569947.74	672161.14	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	12922.17	No	No	No	No	No		NA
3531	Turbine Delivery Route Option 3A	Clare	55100	TDR 25m intervals	569924.98	672171.47	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	12916.07	No	No	No	No	No		NA
3532	Turbine Delivery Route Option 3A	Clare	55075	TDR 25m intervals	569902.21	672181.80	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	12910.02	No	No	No	No	No		NA
3533	Turbine Delivery Route Option 3A	Clare	55025	TDR 25m intervals	569879.45	672192.14	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	12904.01	No	No	No	No	No		NA
3534	Turbine Delivery Route Option 3A	Clare		Site No. 7	569834.03	672216.02	Road widening	0.45	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	12904.01	No	No	No	No	No		NA
3535	Turbine Delivery Route Option 3A	Clare	55000	TDR 25m intervals	569861.63	672179.53	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	12883.07	No	No	No	No	No		NA
3536	Turbine Delivery Route Option 3A	Clare	54975	TDR 25m intervals	569845.14	672160.74	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	12858.10	No	No	No	No	No		NA
3537	Turbine Delivery Route Option 3A	Clare	64600	TDR 25m intervals	569828.68	672141.92	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	12833.13	No	No	No	No	No		NA
3538	Turbine Delivery Route Option 3A	Clare		Site No. 7	569787.42	672152.83	Road widening	0.45	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	12833.13	No	No	No	No	No		NA
3539	Turbine Delivery Route Option 3A	Clare	64625	TDR 25m intervals	569812.83	672122.59	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	12808.13	No	No	No	No	No		NA
3540	Turbine Delivery Route Option 3A	Clare	54925	TDR 25m intervals	569795.64	672103.23	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	12782.28	No	No	No	No	No		NA
3541	Turbine Delivery Route Option 3A	Clare	54900	TDR 25m intervals	569780.07	672083.68	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	12757.28	No	No	No	No	No		NA
3542	Turbine Delivery Route Option 3A	Clare	54875	TDR 25m intervals	569764.52	672064.10	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	12732.27	No	No	No	No	No		NA
3543	Turbine Delivery Route Option 3A	Clare	54850	TDR 25m intervals	569749.00	672044.50	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	12707.27	No	No	No	No	No		NA
3544	Turbine Delivery Route Option 3A	Clare	54825	TDR 25m intervals	569733.50	672024.89	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	12682.27	No	No	No	No	No		NA
3545	Turbine Delivery Route Option 3A	Clare	54800	TDR 25m intervals	569718.01	672005.26	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	12657.26	No	No	No	No	No		NA
3546	Turbine Delivery Route Option 3A	Clare	64825	TDR 25m intervals	569702.53	671985.63	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	12632.26	No	No	No	No	No		NA
3547	Turbine Delivery Route Option 3A	Clare	54775	TDR 25m intervals	569687.07	671965.99	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	12607.25	No	No	No	No	No		NA
3548	Turbine Delivery Route Option 3A	Clare	54750	TDR 25m intervals	569671.60	671946.34	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	12582.25	No	No	No	No	No		NA
3549	Turbine Delivery Route Option 3A	Clare	54725	TDR 25m intervals	569656.15	671926.69	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	12557.24	No	No	No	No	No		NA
3550	Turbine Delivery Route Option 3A	Clare	54700	TDR 25m intervals	569640.69	671907.04	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	12532.24	No	No	No	No	No		NA
3551	Turbine Delivery Route Option 3A	Clare	54675	TDR 25m intervals	569625.24	671887.39	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	12507.24	No	No	No	No	No		NA
3552	Turbine Delivery Route Option 3A	Clare	54650	TDR 25m intervals	569609.79	671867.73	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	12482.23	No	No	No	No	No		NA
3553	Turbine Delivery Route Option 3A	Clare	54625	TDR 25m intervals	569594.33	671848.08	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	12457.23	No	No	No	No	No		NA
3554	Turbine Delivery Route Option 3A	Clare	65000	TDR 25m intervals	569578.87	671828.44	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	12432.22	No	No	No	No	No		NA
3555	Turbine Delivery Route Option 3A	Clare	54600	TDR 25m intervals	569563.40	671808.80	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	12407.22	No	No	No	No	No		NA
3556	Turbine Delivery Route Option 3A	Clare	54575	TDR 25m intervals	569547.92	671789.17	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	12382.22	No	No	No	No	No		NA
3557	Turbine Delivery Route Option 3A	Clare	54550	TDR 25m intervals	569532.42	671769.56	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	12357.21	No	No	No	No	No		NA
3558	Turbine Delivery Route Option 3A	Clare	54525	TDR 25m intervals	569516.93	671749.93	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	12332.21	No	No	No	No	No		NA
3559	Turbine Delivery Route Option 3A	Clare	54500	TDR 25m intervals	569501.51	671730.26	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	12307.20	No	No	No	No	No		NA
3560	Turbine Delivery Route Option 3A	Clare	54475	TDR 25m intervals	569486.23	671710.47	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	12282.20	No	No	No	No	No		NA
3561	Turbine Delivery Route Option 3A	Clare	65200	TDR 25m intervals	569471.30	671690.42	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	12257.21	No	No	No	No	No		NA
3562	Turbine Delivery Route Option 3A	Clare	54450	TDR 25m intervals	569457.25	671669.75	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	12232.27	No	No	No	No	No		NA

	TDR		Assessment Location		Grid Coordinates (ITM)		Construction Details		Surface Water				Groundwater / Bedrock Aquifer						Groundwater / Wells / Abstraction		Designated Areas			Assessment Graphics / Comment	
Row No.	Turbine Delivery Route (TDR)	County	Location ID	Assessment Location Category	Easting	Northing	Type of Water Crossing / Construction Activity	Approximate Construction Depth (Excavation / Drilling) Depth Relative to Ground Level)	SW 50m Buffer	Receptor Category (Mapped river = EPA / WFD mapped)	River basins	Subcatchments	Aquifer Vulnerability	Potential Depth to Bedrock (acc. To GSI categories)	GW Aquifer Type	Excavation in or near Bedrock (In line with GSI mapped Aquifer Vulnerability)	Karst 25m buffer	Distance to Karst Feature	GW Abstraction 250m Buffer	Groundwater Source Protection Area NFGWS	SAC 50m Buffer	SPA 50m Buffer	Within SAC / SPA / NHA ?	Map Tile Number	Comments & MITIGATION MEASURES
					ITM	ITM		mbGL	50m										250m						
3563	Turbine Delivery Route Option 3A	Clare	54425	TDR 25m intervals	569444.87	671648.05	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	12207.56	No	No	Lower River Shannon SAC	No	No		ELEVATED RISK Within Lower River Shannon SAC Buffer
3564	Turbine Delivery Route Option 3A	Clare	65275	TDR 25m intervals	569434.96	671625.11	NA	NA	Yes	SHANNON (LOWER)_050	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	12183.41	No	No	Lower River Shannon SAC	No	No		ELEVATED RISK Within SW Buffer Zone Within Lower River Shannon SAC Buffer
3565	Turbine Delivery Route Option 3A	Clare	54400	TDR 25m intervals	569427.30	671601.32	NA	NA	Yes	SHANNON (LOWER)_050	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	12159.98	No	No	Lower River Shannon SAC	No	Lower River Shannon SAC		ELEVATED RISK Within SW Buffer Zone Within Lower River Shannon SAC
3566	Turbine Delivery Route Option 3A	Clare		TDR_WCC_141	569420.30	671583.43	WCC	NA	Yes	SHANNON (LOWER)_050	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Extreme (E)	1 to 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	12159.98	No	No	Lower River Shannon SAC	No	Lower River Shannon SAC		ELEVATED RISK Within SW Buffer Zone Within Lower River Shannon SAC
3567	Turbine Delivery Route Option 3A	Clare	65300	TDR 25m intervals	569421.12	671577.09	NA	NA	Yes	SHANNON (LOWER)_050	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Rock near surface or karst (X)	<1m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	12137.15	No	No	Lower River Shannon SAC	No	No		ELEVATED RISK Within SW Buffer Zone Within Lower River Shannon SAC Buffer
3568	Turbine Delivery Route Option 3A	Clare	65350	TDR 25m intervals	569415.58	671552.71	NA	NA	Yes	SHANNON (LOWER)_050	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Extreme (E)	1 to 3m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	12114.60	No	No	Lower River Shannon SAC	No	No		ELEVATED RISK Within SW Buffer Zone Within Lower River Shannon SAC Buffer
3569	Turbine Delivery Route Option 3A	Clare	54375	TDR 25m intervals	569409.81	671528.39	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	12091.95	No	No	No	No	No		NA
3570	Turbine Delivery Route Option 3A	Clare	65375	TDR 25m intervals	569402.96	671504.35	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	12068.87	No	No	No	No	No		NA
3571	Turbine Delivery Route Option 3A	Clare	54350	TDR 25m intervals	569394.37	671480.89	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	12045.16	No	No	No	No	No		NA
3572	Turbine Delivery Route Option 3A	Clare	65425	TDR 25m intervals	569387.04	671457.08	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	12021.97	No	No	No	No	No		NA
3573	Turbine Delivery Route Option 3A	Clare	54325	TDR 25m intervals	569379.42	671433.39	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	11998.70	No	No	No	No	No		NA
3574	Turbine Delivery Route Option 3A	Clare	65475	TDR 25m intervals	569368.24	671411.11	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	11974.32	No	No	No	No	No		NA
3575	Turbine Delivery Route Option 3A	Clare	54300	TDR 25m intervals	569353.94	671390.65	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	11949.41	No	No	No	No	No		NA
3576	Turbine Delivery Route Option 3A	Clare	54275	TDR 25m intervals	569338.23	671371.21	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	11924.40	No	No	No	No	No		NA
3577	Turbine Delivery Route Option 3A	Clare	54250	TDR 25m intervals	569322.78	671351.55	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	11899.40	No	No	No	No	No		NA
3578	Turbine Delivery Route Option 3A	Clare	54225	TDR 25m intervals	569307.66	671331.64	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	11874.41	No	No	No	No	No		NA
3579	Turbine Delivery Route Option 3A	Clare	54200	TDR 25m intervals	569292.45	671311.81	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	11849.41	No	No	No	No	No		NA
3580	Turbine Delivery Route Option 3A	Clare	54175	TDR 25m intervals	569276.25	671292.77	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	11824.42	No	No	No	No	No		NA
3581	Turbine Delivery Route Option 3A	Clare	54150	TDR 25m intervals	569259.72	671274.02	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	11799.45	No	No	No	No	No		NA
3582	Turbine Delivery Route Option 3A	Clare	54125	TDR 25m intervals	569243.25	671255.22	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	11774.47	No	No	No	No	No		NA
3583	Turbine Delivery Route Option 3A	Clare	54100	TDR 25m intervals	569227.36	671235.91	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	11749.47	No	No	No	No	No		NA
3584	Turbine Delivery Route Option 3A	Clare	54075	TDR 25m intervals	569211.36	671216.70	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	11724.47	No	No	No	No	No		NA
3585	Turbine Delivery Route Option 3A	Clare	54050	TDR 25m intervals	569195.31	671197.54	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	11699.47	No	No	No	No	No		NA
3586	Turbine Delivery Route Option 3A	Clare	54025	TDR 25m intervals	569180.83	671177.16	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	11674.51	No	No	No	No	No		NA
3587	Turbine Delivery Route Option 3A	Clare	65800	TDR 25m intervals	569165.60	671157.36	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	11649.53	No	No	No	No	No		NA
3588	Turbine Delivery Route Option 3A	Clare	54000	TDR 25m intervals	569149.50	671138.23	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	11624.53	No	No	No	No	No		NA
3589	Turbine Delivery Route Option 3A	Clare	53975	TDR 25m intervals	569133.24	671119.24	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	11599.54	No	No	No	No	No		NA
3590	Turbine Delivery Route Option 3A	Clare	53950	TDR 25m intervals	569116.52	671100.67	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	11574.59	No	No	No	No	No		NA
3591	Turbine Delivery Route Option 3A	Clare	65900	TDR 25m intervals	569099.27	671082.57	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	11549.68	No	No	No	No	No		NA
3592	Turbine Delivery Route Option 3A	Clare	53875	TDR 25m intervals	569082.15	671064.36	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	11524.76	No	No	No	No	No		NA
3593	Turbine Delivery Route Option 3A	Clare	53850	TDR 25m intervals	569065.48	671045.74	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	11499.80	No	No	No	No	No		NA
3594	Turbine Delivery Route Option 3A	Clare	53825	TDR 25m intervals	569048.99	671026.95	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	11474.82	No	No	No	No	No		NA
3595	Turbine Delivery Route Option 3A	Clare	53800	TDR 25m intervals	569031.75	671008.85	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	11449.91	No	No	No	No	No		NA
3596	Turbine Delivery Route Option 3A	Clare	53775	TDR 25m intervals	569014.38	670990.87	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	11425.02	No	No	No	No	No		NA
3597	Turbine Delivery Route Option 3A	Clare	53750	TDR 25m intervals	568996.92	670972.97	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	11400.14	No	No	No	No	No		NA

Appendix 10.3 - Baseline Database -Turbine Delivery Route, Option 3A
Oatfield WF, Co. Clare

Project Ref. 604569
Prepared by: Cca / DW
Date: 17/11/2023
File Ref: 604569-Geo-R03-App10.3-(00)-Baseline Database -Turbine Delivery Route

	TDR		Assessment Location		Grid Coordinates (ITM)		Construction Details		Surface Water				Groundwater / Bedrock Aquifer						Groundwater / Wells / Abstraction		Designated Areas			Assessment Graphics / Comment	
Row No.	Turbine Delivery Route (TDR)	County	Location ID	Assessment Location Category	Easting	Northing	Type of Water Crossing / Construction Activity	Approximate Construction Depth (Excavation / Drilling) Depth Relative to Ground Level)	SW 50m Buffer	Receptor Category (Mapped river = EPA / WFD mapped)	River basins	Subcatchments	Aquifer Vulnerability	Potential Depth to Bedrock (acc. To GSI categories)	GW Aquifer Type	Excavation in or near Bedrock (In line with GSI mapped Aquifer Vulnerability)	Karst 25m buffer	Distance to Karst Feature	GW Abstraction 250m Buffer	Groundwater Source Protection Area NFGWS	SAC 50m Buffer	SPA 50m Buffer	Within SAC / SPA / NHA ?	Map Tile Number	Comments & MITIGATION MEASURES
					ITM	ITM		mbGL	50m										250m						
3598	Turbine Delivery Route Option 3A	Clare	53725	TDR 25m intervals	568979.38	670955.16	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	11375.27	No	No	No	No	No		NA
3599	Turbine Delivery Route Option 3A	Clare	53700	TDR 25m intervals	568961.86	670937.32	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	11350.40	No	No	No	No	No		NA
3600	Turbine Delivery Route Option 3A	Clare	53675	TDR 25m intervals	568944.29	670919.54	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	11325.54	No	No	No	No	No		NA
3601	Turbine Delivery Route Option 3A	Clare	53650	TDR 25m intervals	568925.72	670902.80	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	11300.88	No	No	No	No	No		NA
3602	Turbine Delivery Route Option 3A	Clare	53600	TDR 25m intervals	568907.47	670885.73	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	11276.15	No	No	No	No	No		NA
3603	Turbine Delivery Route Option 3A	Clare	53575	TDR 25m intervals	568889.63	670868.21	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	11251.33	No	No	No	No	No		NA
3604	Turbine Delivery Route Option 3A	Clare	53550	TDR 25m intervals	568870.19	670852.55	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	11226.96	No	No	No	No	No		NA
3605	Turbine Delivery Route Option 3A	Clare	53525	TDR 25m intervals	568850.53	670837.12	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	11202.66	No	No	No	No	No		NA
3606	Turbine Delivery Route Option 3A	Clare	53500	TDR 25m intervals	568832.25	670820.07	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	11177.93	No	No	No	No	No		NA
3607	Turbine Delivery Route Option 3A	Clare	53450	TDR 25m intervals	568813.93	670803.05	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	11153.21	No	No	No	No	No		NA
3608	Turbine Delivery Route Option 3A	Clare	53425	TDR 25m intervals	568795.56	670786.10	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	11128.51	No	No	No	No	No		NA
3609	Turbine Delivery Route Option 3A	Clare	53400	TDR 25m intervals	568778.28	670768.07	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	11103.65	No	No	No	No	No		NA
3610	Turbine Delivery Route Option 3A	Clare	53375	TDR 25m intervals	568761.58	670749.46	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	11078.69	No	No	No	No	No		NA
3611	Turbine Delivery Route Option 3A	Clare	53350	TDR 25m intervals	568743.28	670732.47	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	11054.01	No	No	No	No	No		NA
3612	Turbine Delivery Route Option 3A	Clare	53325	TDR 25m intervals	568724.56	670715.90	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	11029.40	No	No	No	No	No		NA
3613	Turbine Delivery Route Option 3A	Clare	53275	TDR 25m intervals	568706.06	670699.09	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	11004.74	No	No	No	No	No		NA
3614	Turbine Delivery Route Option 3A	Clare	53250	TDR 25m intervals	568687.56	670682.28	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	10980.07	No	No	No	No	No		NA
3615	Turbine Delivery Route Option 3A	Clare	53225	TDR 25m intervals	568669.07	670665.45	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	10955.41	No	No	No	No	No		NA
3616	Turbine Delivery Route Option 3A	Clare	53200	TDR 25m intervals	568650.60	670648.61	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	10930.74	No	No	No	No	No		NA
3617	Turbine Delivery Route Option 3A	Clare	53150	TDR 25m intervals	568632.09	670631.79	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	10906.08	No	No	No	No	No		NA
3618	Turbine Delivery Route Option 3A	Clare	53125	TDR 25m intervals	568613.41	670615.19	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	10881.47	No	No	No	No	No		NA
3619	Turbine Delivery Route Option 3A	Clare	53100	TDR 25m intervals	568594.32	670599.05	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	10856.98	No	No	No	No	No		NA
3620	Turbine Delivery Route Option 3A	Clare	53050	TDR 25m intervals	568574.94	670583.25	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	10832.59	No	No	No	No	No		NA
3621	Turbine Delivery Route Option 3A	Clare	53025	TDR 25m intervals	568555.66	670567.35	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	10808.16	No	No	No	No	No		NA
3622	Turbine Delivery Route Option 3A	Clare	53000	TDR 25m intervals	568536.40	670551.41	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	10783.73	No	No	No	No	No		NA
3623	Turbine Delivery Route Option 3A	Clare	52950	TDR 25m intervals	568517.17	670535.43	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	10759.30	No	No	No	No	No		NA
3624	Turbine Delivery Route Option 3A	Clare	52925	TDR 25m intervals	568497.58	670519.90	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	10735.00	No	No	No	No	No		NA
3625	Turbine Delivery Route Option 3A	Clare	52875	TDR 25m intervals	568477.90	670504.49	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	10710.73	No	No	No	No	No		NA
3626	Turbine Delivery Route Option 3A	Clare	52850	TDR 25m intervals	568459.01	670488.11	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	10686.19	No	No	No	No	No		NA
3627	Turbine Delivery Route Option 3A	Clare	52800	TDR 25m intervals	568440.11	670471.75	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	10661.67	No	No	No	No	No		NA
3628	Turbine Delivery Route Option 3A	Clare	52775	TDR 25m intervals	568421.18	670455.41	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	10637.15	No	No	No	No	No		NA
3629	Turbine Delivery Route Option 3A	Clare	52725	TDR 25m intervals	568401.72	670439.73	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	10612.81	No	No	No	No	No		NA
3630	Turbine Delivery Route Option 3A	Clare	52700	TDR 25m intervals	568382.16	670424.16	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	10588.51	No	No	No	No	No		NA
3631	Turbine Delivery Route Option 3A	Clare	52675	TDR 25m intervals	568362.59	670408.60	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	10564.22	No	No	No	No	No		NA
3632	Turbine Delivery Route Option 3A	Clare	52625	TDR 25m intervals	568342.69	670393.48	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	10540.07	No	No	No	No	No		NA

Appendix 10.3 - Baseline Database -Turbine Delivery Route, Option 3A
Oatfield WF, Co. Clare

Project Ref. 604569
Prepared by: Cca / DW
Date: 17/11/2023
File Ref: 604569-Geo-R03-App10.3-(00)-Baseline Database -Turbine Delivery Route

	TDR		Assessment Location		Grid Coordinates (ITM)		Construction Details		Surface Water				Groundwater / Bedrock Aquifer						Groundwater / Wells / Abstraction		Designated Areas			Assessment Graphics / Comment	
Row No.	Turbine Delivery Route (TDR)	County	Location ID	Assessment Location Category	Easting	Northing	Type of Water Crossing / Construction Activity	Approximate Construction Depth (Excavation / Drilling) Depth Relative to Ground Level)	SW 50m Buffer	Receptor Category (Mapped river = EPA / WFD mapped)	River basins	Subcatchments	Aquifer Vulnerability	Potential Depth to Bedrock (acc. To GSI categories)	GW Aquifer Type	Excavation in or near Bedrock (In line with GSI mapped Aquifer Vulnerability)	Karst 25m buffer	Distance to Karst Feature	GW Abstraction 250m Buffer	Groundwater Source Protection Area NFGWS	SAC 50m Buffer	SPA 50m Buffer	Within SAC / SPA / NHA ?	Map Tile Number	Comments & MITIGATION MEASURES
					ITM	ITM		mbGL	50m										250m						
3633	Turbine Delivery Route Option 3A	Clare	52600	TDR 25m intervals	568322.60	670378.60	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	10516.00	No	No	No	No	No		NA
3634	Turbine Delivery Route Option 3A	Clare	52550	TDR 25m intervals	568303.32	670362.68	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	10491.61	No	No	No	No	No		NA
3635	Turbine Delivery Route Option 3A	Clare	52525	TDR 25m intervals	568283.90	670346.95	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	10467.28	No	No	No	No	No		NA
3636	Turbine Delivery Route Option 3A	Clare	52475	TDR 25m intervals	568264.13	670331.65	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	10443.09	No	No	No	No	No		NA
3637	Turbine Delivery Route Option 3A	Clare	52425	TDR 25m intervals	568244.46	670316.22	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	10418.86	No	No	No	No	No		NA
3638	Turbine Delivery Route Option 3A	Clare	52400	TDR 25m intervals	568224.87	670300.69	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	10394.60	No	No	No	No	No		NA
3639	Turbine Delivery Route Option 3A	Clare	52350	TDR 25m intervals	568205.52	670284.86	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	10370.25	No	No	No	No	No		NA
3640	Turbine Delivery Route Option 3A	Clare	52325	TDR 25m intervals	568185.81	670269.49	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	10346.05	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3641	Turbine Delivery Route Option 3A	Clare	52275	TDR 25m intervals	568165.85	670254.43	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	10321.96	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3642	Turbine Delivery Route Option 3A	Clare	52250	TDR 25m intervals	568146.26	670238.91	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	10297.71	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3643	Turbine Delivery Route Option 3A	Clare	52200	TDR 25m intervals	568126.24	670223.95	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	10273.66	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3644	Turbine Delivery Route Option 3A	Clare	52150	TDR 25m intervals	568105.92	670209.38	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	10249.75	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3645	Turbine Delivery Route Option 3A	Clare	52100	TDR 25m intervals	568086.45	670193.70	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	10225.47	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3646	Turbine Delivery Route Option 3A	Clare	52075	TDR 25m intervals	568066.99	670178.01	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	10201.19	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3647	Turbine Delivery Route Option 3A	Clare	52025	TDR 25m intervals	568047.54	670162.29	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	10176.91	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3648	Turbine Delivery Route Option 3A	Clare	52000	TDR 25m intervals	568028.07	670146.62	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	10152.64	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3649	Turbine Delivery Route Option 3A	Clare	51950	TDR 25m intervals	568007.39	670132.57	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	10128.95	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3650	Turbine Delivery Route Option 3A	Clare	51900	TDR 25m intervals	567988.11	670116.68	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	10104.63	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3651	Turbine Delivery Route Option 3A	Clare	51875	TDR 25m intervals	567968.41	670101.29	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	10080.47	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3652	Turbine Delivery Route Option 3A	Clare	51825	TDR 25m intervals	567949.25	670085.23	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	10056.10	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3653	Turbine Delivery Route Option 3A	Clare	51800	TDR 25m intervals	567929.96	670069.33	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	10031.79	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3654	Turbine Delivery Route Option 3A	Clare	51750	TDR 25m intervals	567911.33	670052.67	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	10007.26	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3655	Turbine Delivery Route Option 3A	Clare		Site No. 8	567904.71	670052.38	Road widening	0.45	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	10007.26	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3656	Turbine Delivery Route Option 3A	Clare	51725	TDR 25m intervals	567893.32	670035.36	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	9982.59	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3657	Turbine Delivery Route Option 3A	Clare	51700	TDR 25m intervals	567877.56	670015.99	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	9957.63	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3658	Turbine Delivery Route Option 3A	Clare	51650	TDR 25m intervals	567864.09	669994.95	NA	NA	No	NA	ARDCLOONY_010	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	9932.72	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3659	Turbine Delivery Route Option 3A	Clare	67575	TDR 25m intervals	567852.30	669972.90	NA	NA	No	NA	ARDCLOONY_010	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	9908.01	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3660	Turbine Delivery Route Option 3A	Clare	51625	TDR 25m intervals	567841.57	669950.33	NA	NA	No	NA	ARDCLOONY_010	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	9883.52	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3661	Turbine Delivery Route Option 3A	Clare	51600	TDR 25m intervals	567829.64	669928.38	NA	NA	No	NA	ARDCLOONY_010	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	9858.81	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3662	Turbine Delivery Route Option 3A	Clare	51575	TDR 25m intervals	567817.56	669906.49	NA	NA	No	NA	ARDCLOONY_010	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	9834.06	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3663	Turbine Delivery Route Option 3A	Clare	51550	TDR 25m intervals	567805.71	669884.48	NA	NA	No	NA	ARDCLOONY_010	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	9809.35	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3664	Turbine Delivery Route Option 3A	Clare	51525	TDR 25m intervals	567794.24	669862.27	NA	NA	No	NA	ARDCLOONY_010	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	9784.72	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3665	Turbine Delivery Route Option 3A	Clare	51500	TDR 25m intervals	567783.45	669839.73	NA	NA	No	NA	ARDCLOONY_010	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	9760.23	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3666	Turbine Delivery Route Option 3A	Clare	51475	TDR 25m intervals	567771.73	669817.65	NA	NA	No	NA	ARDCLOONY_010	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	9735.55	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3667	Turbine Delivery Route Option 3A	Clare	51450	TDR 25m intervals	567760.07	669795.53	NA	NA	No	NA	ARDCLOONY_010	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	9710.88	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone

Appendix 10.3 - Baseline Database -Turbine Delivery Route, Option 3A
Oatfield WF, Co. Clare

Project Ref. 604569
Prepared by: Cca / DW
Date: 17/11/2023
File Ref: 604569-Geo-R03-App10.3-(00)-Baseline Database -Turbine Delivery Route

	TDR		Assessment Location		Grid Coordinates (ITM)		Construction Details		Surface Water				Groundwater / Bedrock Aquifer						Groundwater / Wells / Abstraction		Designated Areas			Assessment Graphics / Comment	
Row No.	Turbine Delivery Route (TDR)	County	Location ID	Assessment Location Category	Easting	Northing	Type of Water Crossing / Construction Activity	Approximate Construction Depth (Excavation / Drilling) Depth Relative to Ground Level)	SW 50m Buffer	Receptor Category (Mapped river = EPA / WFD mapped)	River basins	Subcatchments	Aquifer Vulnerability	Potential Depth to Bedrock (acc. To GSI categories)	GW Aquifer Type	Excavation in or near Bedrock (In line with GSI mapped Aquifer Vulnerability)	Karst 25m buffer	Distance to Karst Feature	GW Abstraction 250m Buffer	Groundwater Source Protection Area NFGWS	SAC 50m Buffer	SPA 50m Buffer	Within SAC / SPA / NHA ?	Map Tile Number	Comments & MITIGATION MEASURES
					ITM	ITM		mbGL	50m										250m						
3668	Turbine Delivery Route Option 3A	Clare	67800	TDR 25m intervals	567748.26	669773.50	NA	NA	No	NA	ARDCLOONY_010	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	9686.19	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3669	Turbine Delivery Route Option 3A	Clare	51425	TDR 25m intervals	567736.10	669751.66	NA	NA	No	NA	ARDCLOONY_010	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	9661.44	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3670	Turbine Delivery Route Option 3A	Clare	51400	TDR 25m intervals	567724.67	669729.43	NA	NA	No	NA	ARDCLOONY_010	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	9636.82	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3671	Turbine Delivery Route Option 3A	Clare	51375	TDR 25m intervals	567713.70	669706.97	NA	NA	No	NA	ARDCLOONY_010	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	9612.30	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3672	Turbine Delivery Route Option 3A	Clare	51350	TDR 25m intervals	567703.05	669684.35	NA	NA	No	NA	ARDCLOONY_010	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	9587.85	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3673	Turbine Delivery Route Option 3A	Clare	51325	TDR 25m intervals	567692.67	669661.60	NA	NA	No	NA	ARDCLOONY_010	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	9563.47	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3674	Turbine Delivery Route Option 3A	Clare	67950	TDR 25m intervals	567682.48	669638.77	NA	NA	No	NA	ARDCLOONY_010	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	9539.14	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3675	Turbine Delivery Route Option 3A	Clare	51300	TDR 25m intervals	567672.38	669615.91	NA	NA	No	NA	ARDCLOONY_010	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	9514.84	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3676	Turbine Delivery Route Option 3A	Clare	51275	TDR 25m intervals	567662.32	669593.02	NA	NA	No	NA	ARDCLOONY_010	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	9490.55	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3677	Turbine Delivery Route Option 3A	Clare	51250	TDR 25m intervals	567652.27	669570.13	NA	NA	No	NA	ARDCLOONY_010	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	NA	NA	9466.27	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3678	Turbine Delivery Route Option 3A	Clare	68050	TDR 25m intervals	567642.34	669547.19	NA	NA	No	NA	ARDCLOONY_010	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	9442.02	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3679	Turbine Delivery Route Option 3A	Clare	51225	TDR 25m intervals	567632.75	669524.10	NA	NA	No	NA	ARDCLOONY_010	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	9417.87	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3680	Turbine Delivery Route Option 3A	Clare	51200	TDR 25m intervals	567623.20	669500.99	NA	NA	No	NA	ARDCLOONY_010	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	9393.74	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3681	Turbine Delivery Route Option 3A	Clare	51175	TDR 25m intervals	567613.76	669477.85	NA	NA	No	NA	ARDCLOONY_010	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	9369.64	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3682	Turbine Delivery Route Option 3A	Clare	51150	TDR 25m intervals	567604.30	669454.71	NA	NA	No	NA	ARDCLOONY_010	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	9345.54	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3683	Turbine Delivery Route Option 3A	Clare	68175	TDR 25m intervals	567594.14	669431.86	NA	NA	No	NA	ARDCLOONY_010	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	9321.25	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3684	Turbine Delivery Route Option 3A	Clare	51125	TDR 25m intervals	567583.99	669409.01	NA	NA	No	NA	ARDCLOONY_010	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	9296.97	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3685	Turbine Delivery Route Option 3A	Clare	51100	TDR 25m intervals	567573.90	669386.14	NA	NA	No	NA	ARDCLOONY_010	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	9272.71	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3686	Turbine Delivery Route Option 3A	Clare	51075	TDR 25m intervals	567563.86	669363.25	NA	NA	No	NA	ARDCLOONY_010	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	9248.46	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3687	Turbine Delivery Route Option 3A	Clare	51050	TDR 25m intervals	567553.83	669340.35	NA	NA	No	NA	ARDCLOONY_010	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	9224.22	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3688	Turbine Delivery Route Option 3A	Clare	51025	TDR 25m intervals	567543.81	669317.44	NA	NA	No	NA	ARDCLOONY_010	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	9200.00	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3689	Turbine Delivery Route Option 3A	Clare	68325	TDR 25m intervals	567533.83	669294.52	NA	NA	No	NA	ARDCLOONY_010	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	9175.78	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3690	Turbine Delivery Route Option 3A	Clare	51000	TDR 25m intervals	567523.85	669271.60	NA	NA	Yes	ARDCLOONY_010	ARDCLOONY_010	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	9151.57	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone
3691	Turbine Delivery Route Option 3A	Clare	50975	TDR 25m intervals	567513.80	669248.71	NA	NA	Yes	ARDCLOONY_010	ARDCLOONY_010	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	9127.34	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone
3692	Turbine Delivery Route Option 3A	Clare		TDR_WCC_142	567511.10	669239.90	WCC	NA	Yes	ARDCLOONY_010	ARDCLOONY_010	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	9127.34	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone
3693	Turbine Delivery Route Option 3A	Clare	50950	TDR 25m intervals	567503.44	669225.96	NA	NA	Yes	ARDCLOONY_010	ARDCLOONY_010	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	9103.04	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone
3694	Turbine Delivery Route Option 3A	Clare	50925	TDR 25m intervals	567493.07	669203.21	NA	NA	Yes	ARDCLOONY_010	ARDCLOONY_010	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	9078.73	Yes	No	No	No	No		ELEVATED RISK Within SW Buffer Zone Within GW Buffer Zone
3695	Turbine Delivery Route Option 3A	Clare	50900	TDR 25m intervals	567482.71	669180.46	NA	NA	No	NA	ARDCLOONY_010	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	9054.44	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3696	Turbine Delivery Route Option 3A	Clare	50875	TDR 25m intervals	567472.46	669157.65	NA	NA	No	NA	ARDCLOONY_010	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	9030.17	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3697	Turbine Delivery Route Option 3A	Clare	50850	TDR 25m intervals	567462.26	669134.83	NA	NA	No	NA	ARDCLOONY_010	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	9005.93	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3698	Turbine Delivery Route Option 3A	Clare	50825	TDR 25m intervals	567452.06	669112.01	NA	NA	No	NA	ARDCLOONY_010	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8981.69	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3699	Turbine Delivery Route Option 3A	Clare	50800	TDR 25m intervals	567441.86	669089.18	NA	NA	No	NA	ARDCLOONY_010	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8957.45	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3700	Turbine Delivery Route Option 3A	Clare	50775	TDR 25m intervals	567431.73	669066.32	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8933.23	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3701	Turbine Delivery Route Option 3A	Clare	50750	TDR 25m intervals	567421.61	669043.47	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8909.02	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3702	Turbine Delivery Route Option 3A	Clare	50725	TDR 25m intervals	567411.48	669020.61	NA	NA	No	NA	BRIDGETOWN (CLARE)_010	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8884.82	No	No	No	No	No		NA

Appendix 10.3 - Baseline Database -Turbine Delivery Route, Option 3A
Oatfield WF, Co. Clare

Project Ref. 604569
Prepared by: Cca / DW
Date: 17/11/2023
File Ref: 604569-Geo-R03-App10.3-(00)-Baseline Database -Turbine Delivery Route

	TDR		Assessment Location		Grid Coordinates (ITM)		Construction Details		Surface Water				Groundwater / Bedrock Aquifer						Groundwater / Wells / Abstraction		Designated Areas			Assessment Graphics / Comment	
Row No.	Turbine Delivery Route (TDR)	County	Location ID	Assessment Location Category	Easting	Northing	Type of Water Crossing / Construction Activity	Approximate Construction Depth (Excavation / Drilling) Depth Relative to Ground Level)	SW 50m Buffer	Receptor Category (Mapped river = EPA / WFD mapped)	River basins	Subcatchments	Aquifer Vulnerability	Potential Depth to Bedrock (acc. To GSI categories)	GW Aquifer Type	Excavation in or near Bedrock (In line with GSI mapped Aquifer Vulnerability)	Karst 25m buffer	Distance to Karst Feature	GW Abstraction 250m Buffer	Groundwater Source Protection Area NFGWS	SAC 50m Buffer	SPA 50m Buffer	Within SAC / SPA / NHA ?	Map Tile Number	Comments & MITIGATION MEASURES
					ITM	ITM		mbGL	50m										250m						
3703	Turbine Delivery Route Option 3A	Clare	50700	TDR 25m intervals	567400.98	668997.93	NA	NA	No	NA	BRIDGETOWN (CLARE)_010	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8860.52	No	No	No	No	No		NA
3704	Turbine Delivery Route Option 3A	Clare	50675	TDR 25m intervals	567389.97	668975.48	NA	NA	No	NA	BRIDGETOWN (CLARE)_010	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8836.10	No	No	No	No	No		NA
3705	Turbine Delivery Route Option 3A	Clare	50650	TDR 25m intervals	567378.96	668953.03	NA	NA	No	NA	BRIDGETOWN (CLARE)_010	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8811.68	No	No	No	No	No		NA
3706	Turbine Delivery Route Option 3A	Clare	50625	TDR 25m intervals	567367.95	668930.59	NA	NA	No	NA	BRIDGETOWN (CLARE)_010	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8787.26	No	No	No	No	No		NA
3707	Turbine Delivery Route Option 3A	Clare	50600	TDR 25m intervals	567357.86	668907.72	NA	NA	No	NA	BRIDGETOWN (CLARE)_010	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8763.09	No	No	No	No	No		NA
3708	Turbine Delivery Route Option 3A	Clare	50575	TDR 25m intervals	567347.77	668884.85	NA	NA	No	NA	BRIDGETOWN (CLARE)_010	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8738.91	No	No	No	No	No		NA
3709	Turbine Delivery Route Option 3A	Clare	50550	TDR 25m intervals	567337.67	668861.97	NA	NA	No	NA	BRIDGETOWN (CLARE)_010	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8714.75	No	No	No	No	No		NA
3710	Turbine Delivery Route Option 3A	Clare	50525	TDR 25m intervals	567327.47	668839.15	NA	NA	No	NA	BRIDGETOWN (CLARE)_010	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8690.56	No	No	No	No	No		NA
3711	Turbine Delivery Route Option 3A	Clare	50500	TDR 25m intervals	567316.79	668816.55	NA	NA	No	NA	BRIDGETOWN (CLARE)_010	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8666.24	No	No	No	No	No		NA
3712	Turbine Delivery Route Option 3A	Clare	50475	TDR 25m intervals	567306.11	668793.95	NA	NA	No	NA	BRIDGETOWN (CLARE)_010	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8641.93	No	No	No	No	No		NA
3713	Turbine Delivery Route Option 3A	Clare	50450	TDR 25m intervals	567295.51	668771.31	NA	NA	No	NA	BRIDGETOWN (CLARE)_010	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8617.64	No	No	No	No	No		NA
3714	Turbine Delivery Route Option 3A	Clare	50425	TDR 25m intervals	567285.32	668748.48	NA	NA	No	NA	BRIDGETOWN (CLARE)_010	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8593.47	No	No	No	No	No		NA
3715	Turbine Delivery Route Option 3A	Clare	50400	TDR 25m intervals	567275.13	668725.65	NA	NA	No	NA	BRIDGETOWN (CLARE)_010	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8569.31	No	No	No	No	No		NA
3716	Turbine Delivery Route Option 3A	Clare	50375	TDR 25m intervals	567264.94	668702.82	NA	NA	No	NA	BRIDGETOWN (CLARE)_010	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8545.15	No	No	No	No	No		NA
3717	Turbine Delivery Route Option 3A	Clare	50350	TDR 25m intervals	567254.77	668679.98	NA	NA	No	NA	BRIDGETOWN (CLARE)_010	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8521.00	No	No	No	No	No		NA
3718	Turbine Delivery Route Option 3A	Clare	50325	TDR 25m intervals	567244.61	668657.13	NA	NA	No	NA	BRIDGETOWN (CLARE)_010	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8496.85	No	No	No	No	No		NA
3719	Turbine Delivery Route Option 3A	Clare	50300	TDR 25m intervals	567234.45	668634.29	NA	NA	No	NA	BRIDGETOWN (CLARE)_010	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8472.72	No	No	No	No	No		NA
3720	Turbine Delivery Route Option 3A	Clare	50275	TDR 25m intervals	567224.33	668611.44	NA	NA	No	NA	BRIDGETOWN (CLARE)_010	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8448.59	No	No	No	No	No		NA
3721	Turbine Delivery Route Option 3A	Clare	50250	TDR 25m intervals	567214.21	668588.58	NA	NA	No	NA	BRIDGETOWN (CLARE)_010	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8424.48	No	No	No	No	No		NA
3722	Turbine Delivery Route Option 3A	Clare	50225	TDR 25m intervals	567204.09	668565.72	NA	NA	No	NA	BRIDGETOWN (CLARE)_010	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8400.36	No	No	No	No	No		NA
3723	Turbine Delivery Route Option 3A	Clare	50200	TDR 25m intervals	567193.46	668543.08	NA	NA	No	NA	BRIDGETOWN (CLARE)_010	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8376.12	No	No	No	No	No		NA
3724	Turbine Delivery Route Option 3A	Clare	50175	TDR 25m intervals	567182.79	668520.48	NA	NA	No	NA	BRIDGETOWN (CLARE)_010	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8351.86	No	No	No	No	No		NA
3725	Turbine Delivery Route Option 3A	Clare	50150	TDR 25m intervals	567172.11	668497.88	NA	NA	No	NA	BRIDGETOWN (CLARE)_010	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8327.61	No	No	No	No	No		NA
3726	Turbine Delivery Route Option 3A	Clare	50125	TDR 25m intervals	567161.55	668475.21	NA	NA	No	NA	BRIDGETOWN (CLARE)_010	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8303.39	No	No	No	No	No		NA
3727	Turbine Delivery Route Option 3A	Clare	50100	TDR 25m intervals	567151.00	668452.55	NA	NA	No	NA	BRIDGETOWN (CLARE)_010	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8279.18	No	No	No	No	No		NA
3728	Turbine Delivery Route Option 3A	Clare	50075	TDR 25m intervals	567140.45	668429.88	NA	NA	No	NA	BRIDGETOWN (CLARE)_010	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8254.98	No	No	No	No	No		NA
3729	Turbine Delivery Route Option 3A	Clare	69300	TDR 25m intervals	567130.58	668406.92	NA	NA	No	NA	BRIDGETOWN (CLARE)_010	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8230.98	No	No	No	No	No		NA
3730	Turbine Delivery Route Option 3A	Clare	50050	TDR 25m intervals	567120.78	668383.92	NA	NA	No	NA	BRIDGETOWN (CLARE)_010	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8207.01	No	No	No	No	No		NA
3731	Turbine Delivery Route Option 3A	Clare	50025	TDR 25m intervals	567110.94	668360.94	NA	NA	No	NA	BRIDGETOWN (CLARE)_010	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8183.03	No	No	No	No	No		NA
3732	Turbine Delivery Route Option 3A	Clare	50000	TDR 25m intervals	567101.07	668337.97	NA	NA	No	NA	BRIDGETOWN (CLARE)_010	Shannon[Lower]_SC_080	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8159.04	No	No	No	No	No		NA
3733	Turbine Delivery Route Option 3A	Clare	69400	TDR 25m intervals	567091.07	668315.06	NA	NA	No	NA	BRIDGETOWN (CLARE)_010	Shannon[Lower]_SC_080	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8135.03	No	No	No	No	No		NA
3734	Turbine Delivery Route Option 3A	Clare	49975	TDR 25m intervals	567080.60	668292.35	NA	NA	Yes	BRIDGETOWN (CLARE)	BRIDGETOWN (CLARE)_010	Shannon[Lower]_SC_080	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8110.88	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
3735	Turbine Delivery Route Option 3A	Clare	49950	TDR 25m intervals	567070.14	668269.65	NA	NA	Yes	BRIDGETOWN (CLARE)	BRIDGETOWN (CLARE)_010	Shannon[Lower]_SC_080	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8086.74	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
3736	Turbine Delivery Route Option 3A	Clare		TDR_WCC_143	567067.39	668255.61	WCC	NA	Yes	BRIDGETOWN (CLARE)	BRIDGETOWN (CLARE)_010	Shannon[Lower]_SC_080	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8086.74	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
3737	Turbine Delivery Route Option 3A	Clare	49925	TDR 25m intervals	567059.96	668246.81	NA	NA	Yes	BRIDGETOWN (CLARE)	BRIDGETOWN (CLARE)_010	Shannon[Lower]_SC_080	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8062.69	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone

Appendix 10.3 - Baseline Database -Turbine Delivery Route, Option 3A
Oatfield WF, Co. Clare

Project Ref. 604569
Prepared by: Cca / DW
Date: 17/11/2023
File Ref: 604569-Geo-R03-App10.3-(00)-Baseline Database -Turbine Delivery Route

	TDR		Assessment Location		Grid Coordinates (ITM)		Construction Details		Surface Water				Groundwater / Bedrock Aquifer						Groundwater / Wells / Abstraction		Designated Areas			Assessment Graphics / Comment	
Row No.	Turbine Delivery Route (TDR)	County	Location ID	Assessment Location Category	Easting	Northing	Type of Water Crossing / Construction Activity	Approximate Construction Depth (Excavation / Drilling) Depth Relative to Ground Level)	SW 50m Buffer	Receptor Category (Mapped river = EPA / WFD mapped)	River basins	Subcatchments	Aquifer Vulnerability	Potential Depth to Bedrock (acc. To GSI categories)	GW Aquifer Type	Excavation in or near Bedrock (In line with GSI mapped Aquifer Vulnerability)	Karst 25m buffer	Distance to Karst Feature	GW Abstraction 250m Buffer	Groundwater Source Protection Area NFGWS	SAC 50m Buffer	SPA 50m Buffer	Within SAC / SPA / NHA ?	Map Tile Number	Comments & MITIGATION MEASURES
					ITM	ITM		mbGL	50m										250m						
3738	Turbine Delivery Route Option 3A	Clare	69500	TDR 25m intervals	567049.88	668223.94	NA	NA	Yes	BRIDGETOWN (CLARE)	BRIDGETOWN (CLARE)_010	Shannon[Lower]_SC_080	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8038.67	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
3739	Turbine Delivery Route Option 3A	Clare	49900	TDR 25m intervals	567040.27	668200.86	NA	NA	Yes	BRIDGETOWN (CLARE)	BRIDGETOWN (CLARE)_010	Shannon[Lower]_SC_080	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	8014.81	No	No	No	No	No		ELEVATED RISK Within SW Buffer Zone
3740	Turbine Delivery Route Option 3A	Clare	49875	TDR 25m intervals	567030.90	668177.68	NA	NA	No	NA	BRIDGETOWN (CLARE)_010	Shannon[Lower]_SC_080	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7991.03	No	No	No	No	No		NA
3741	Turbine Delivery Route Option 3A	Clare	69575	TDR 25m intervals	567021.68	668154.45	NA	NA	No	NA	BRIDGETOWN (CLARE)_010	Shannon[Lower]_SC_080	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7967.31	No	No	No	No	No		NA
3742	Turbine Delivery Route Option 3A	Clare	49850	TDR 25m intervals	567012.80	668131.07	NA	NA	No	NA	BRIDGETOWN (CLARE)_010	Shannon[Lower]_SC_080	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7943.72	No	No	No	No	No		NA
3743	Turbine Delivery Route Option 3A	Clare	69650	TDR 25m intervals	567003.89	668107.72	NA	NA	No	NA	BRIDGETOWN (CLARE)_010	Shannon[Lower]_SC_080	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7920.13	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3744	Turbine Delivery Route Option 3A	Clare	49825	TDR 25m intervals	566994.73	668084.46	NA	NA	No	NA	BRIDGETOWN (CLARE)_010	Shannon[Lower]_SC_080	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7896.45	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3745	Turbine Delivery Route Option 3A	Clare	49800	TDR 25m intervals	566985.55	668061.20	NA	NA	No	NA	BRIDGETOWN (CLARE)_010	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7872.78	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3746	Turbine Delivery Route Option 3A	Clare	69700	TDR 25m intervals	566976.34	668037.96	NA	NA	No	NA	BRIDGETOWN (CLARE)_010	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7849.10	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3747	Turbine Delivery Route Option 3A	Clare	49775	TDR 25m intervals	566966.76	668014.87	NA	NA	No	NA	BRIDGETOWN (CLARE)_010	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7825.31	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3748	Turbine Delivery Route Option 3A	Clare	69775	TDR 25m intervals	566956.91	667991.90	NA	NA	No	NA	BRIDGETOWN (CLARE)_010	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7801.44	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3749	Turbine Delivery Route Option 3A	Clare	49750	TDR 25m intervals	566947.86	667968.60	NA	NA	No	NA	BRIDGETOWN (CLARE)_010	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7777.85	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3750	Turbine Delivery Route Option 3A	Clare	49725	TDR 25m intervals	566939.24	667945.13	NA	NA	No	NA	BRIDGETOWN (CLARE)_010	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7754.42	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3751	Turbine Delivery Route Option 3A	Clare	69825	TDR 25m intervals	566930.13	667921.85	NA	NA	No	NA	BRIDGETOWN (CLARE)_010	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7730.82	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3752	Turbine Delivery Route Option 3A	Clare	49700	TDR 25m intervals	566920.59	667898.75	NA	NA	No	NA	BRIDGETOWN (CLARE)_010	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7707.09	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3753	Turbine Delivery Route Option 3A	Clare	69900	TDR 25m intervals	566910.28	667875.97	NA	NA	No	NA	BRIDGETOWN (CLARE)_010	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7683.11	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3754	Turbine Delivery Route Option 3A	Clare	49675	TDR 25m intervals	566900.91	667852.81	NA	NA	No	NA	BRIDGETOWN (CLARE)_010	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7659.45	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3755	Turbine Delivery Route Option 3A	Clare	69950	TDR 25m intervals	566892.03	667829.44	NA	NA	No	NA	BRIDGETOWN (CLARE)_010	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7635.97	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3756	Turbine Delivery Route Option 3A	Clare	49650	TDR 25m intervals	566883.78	667805.84	NA	NA	No	NA	BRIDGETOWN (CLARE)_010	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7612.74	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3757	Turbine Delivery Route Option 3A	Clare	49625	TDR 25m intervals	566874.38	667782.68	NA	NA	No	NA	BRIDGETOWN (CLARE)_010	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7589.10	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3758	Turbine Delivery Route Option 3A	Clare	70000	TDR 25m intervals	566865.05	667759.49	NA	NA	No	NA	BRIDGETOWN (CLARE)_010	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7565.49	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3759	Turbine Delivery Route Option 3A	Clare	49600	TDR 25m intervals	566856.08	667736.16	NA	NA	No	NA	BRIDGETOWN (CLARE)_010	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7542.01	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3760	Turbine Delivery Route Option 3A	Clare	70050	TDR 25m intervals	566846.54	667713.05	NA	NA	No	NA	BRIDGETOWN (CLARE)_010	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7518.34	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3761	Turbine Delivery Route Option 3A	Clare	49575	TDR 25m intervals	566836.78	667690.03	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7494.61	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3762	Turbine Delivery Route Option 3A	Clare	49550	TDR 25m intervals	566826.23	667667.49	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7470.71	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3763	Turbine Delivery Route Option 3A	Clare	70125	TDR 25m intervals	566810.50	667648.13	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7445.78	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3764	Turbine Delivery Route Option 3A	Clare	49525	TDR 25m intervals	566796.00	667627.87	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7420.99	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3765	Turbine Delivery Route Option 3A	Clare	49500	TDR 25m intervals	566780.76	667608.08	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7396.07	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3766	Turbine Delivery Route Option 3A	Clare	49475	TDR 25m intervals	566766.16	667587.79	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7371.19	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3767	Turbine Delivery Route Option 3A	Clare	49450	TDR 25m intervals	566751.09	667567.85	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7346.25	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3768	Turbine Delivery Route Option 3A	Clare		Site No. 9	566752.41	667565.11	Road widening	0.45	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	7346.25	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3769	Turbine Delivery Route Option 3A	Clare	49425	TDR 25m intervals	566735.07	667548.69	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7321.29	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3770	Turbine Delivery Route Option 3A	Clare	49400	TDR 25m intervals	566716.38	667532.27	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7296.61	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3771	Turbine Delivery Route Option 3A	Clare	49375	TDR 25m intervals	566694.57	667520.15	NA	NA	No	NA	BRIDGETOWN (CLARE)_010	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7273.08	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3772	Turbine Delivery Route Option 3A	Clare	49350	TDR 25m intervals	566671.71	667510.10	NA	NA	No	NA	BRIDGETOWN (CLARE)_010	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7250.44	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone

Appendix 10.3 - Baseline Database -Turbine Delivery Route, Option 3A
Oatfield WF, Co. Clare

Project Ref. 604569
Prepared by: Cca / DW
Date: 17/11/2023
File Ref: 604569-Geo-R03-App10.3-(00)-Baseline Database -Turbine Delivery Route

	TDR		Assessment Location		Grid Coordinates (ITM)		Construction Details		Surface Water				Groundwater / Bedrock Aquifer						Groundwater / Wells / Abstraction		Designated Areas			Assessment Graphics / Comment	
Row No.	Turbine Delivery Route (TDR)	County	Location ID	Assessment Location Category	Easting	Northing	Type of Water Crossing / Construction Activity	Approximate Construction Depth (Excavation / Drilling) Depth Relative to Ground Level)	SW 50m Buffer	Receptor Category (Mapped river = EPA / WFD mapped)	River basins	Subcatchments	Aquifer Vulnerability	Potential Depth to Bedrock (acc. To GSI categories)	GW Aquifer Type	Excavation in or near Bedrock (In line with GSI mapped Aquifer Vulnerability)	Karst 25m buffer	Distance to Karst Feature	GW Abstraction 250m Buffer	Groundwater Source Protection Area NFGWS	SAC 50m Buffer	SPA 50m Buffer	Within SAC / SPA / NHA ?	Map Tile Number	Comments & MITIGATION MEASURES
					ITM	ITM		mbGL	50m										250m						
3773	Turbine Delivery Route Option 3A	Clare	49300	TDR 25m intervals	566648.35	667501.19	NA	NA	No	NA	BRIDGETOWN (CLARE)_010	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7228.34	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3774	Turbine Delivery Route Option 3A	Clare	49275	TDR 25m intervals	566624.94	667492.42	NA	NA	No	NA	BRIDGETOWN (CLARE)_010	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7206.33	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3775	Turbine Delivery Route Option 3A	Clare	49225	TDR 25m intervals	566601.45	667483.87	NA	NA	No	NA	BRIDGETOWN (CLARE)_010	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7184.45	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3776	Turbine Delivery Route Option 3A	Clare	49200	TDR 25m intervals	566577.95	667475.32	NA	NA	No	NA	BRIDGETOWN (CLARE)_010	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7162.59	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3777	Turbine Delivery Route Option 3A	Clare	49150	TDR 25m intervals	566554.46	667466.77	NA	NA	No	NA	BRIDGETOWN (CLARE)_010	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7140.75	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3778	Turbine Delivery Route Option 3A	Clare	49125	TDR 25m intervals	566530.95	667458.29	NA	NA	No	NA	BRIDGETOWN (CLARE)_010	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7118.97	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3779	Turbine Delivery Route Option 3A	Clare	49075	TDR 25m intervals	566507.34	667450.07	NA	NA	No	NA	BRIDGETOWN (CLARE)_010	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7097.35	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3780	Turbine Delivery Route Option 3A	Clare	49050	TDR 25m intervals	566483.73	667441.85	NA	NA	No	NA	BRIDGETOWN (CLARE)_010	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7075.75	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3781	Turbine Delivery Route Option 3A	Clare	49000	TDR 25m intervals	566460.10	667433.68	NA	NA	No	NA	BRIDGETOWN (CLARE)_010	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7054.20	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3782	Turbine Delivery Route Option 3A	Clare	48950	TDR 25m intervals	566436.42	667425.65	NA	NA	No	NA	BRIDGETOWN (CLARE)_010	Shannon[Lower]_SC_080	High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7032.75	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3783	Turbine Delivery Route Option 3A	Clare	48900	TDR 25m intervals	566412.75	667417.63	NA	NA	No	NA	BRIDGETOWN (CLARE)_010	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	7011.32	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3784	Turbine Delivery Route Option 3A	Clare	48825	TDR 25m intervals	566389.07	667409.60	NA	NA	No	NA	BRIDGETOWN (CLARE)_010	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6989.92	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3785	Turbine Delivery Route Option 3A	Clare	48775	TDR 25m intervals	566365.60	667400.99	NA	NA	No	NA	BRIDGETOWN (CLARE)_010	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6968.23	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3786	Turbine Delivery Route Option 3A	Clare	48700	TDR 25m intervals	566342.18	667392.25	NA	NA	No	NA	BRIDGETOWN (CLARE)_010	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6946.49	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3787	Turbine Delivery Route Option 3A	Clare	48625	TDR 25m intervals	566318.76	667383.50	NA	NA	No	NA	BRIDGETOWN (CLARE)_010	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6924.76	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3788	Turbine Delivery Route Option 3A	Clare	48550	TDR 25m intervals	566295.34	667374.75	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6903.06	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3789	Turbine Delivery Route Option 3A	Clare	48425	TDR 25m intervals	566271.92	667366.01	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6881.39	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3790	Turbine Delivery Route Option 3A	Clare	48225	TDR 25m intervals	566248.49	667357.28	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6859.74	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3791	Turbine Delivery Route Option 3A	Clare	48100	TDR 25m intervals	566225.07	667348.54	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6838.12	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3792	Turbine Delivery Route Option 3A	Clare	48000	TDR 25m intervals	566201.65	667339.80	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6816.52	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3793	Turbine Delivery Route Option 3A	Clare	47925	TDR 25m intervals	566178.18	667331.18	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6795.00	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3794	Turbine Delivery Route Option 3A	Clare	47875	TDR 25m intervals	566154.65	667322.73	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6773.60	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3795	Turbine Delivery Route Option 3A	Clare	47825	TDR 25m intervals	566131.12	667314.28	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6752.22	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3796	Turbine Delivery Route Option 3A	Clare	47775	TDR 25m intervals	566107.60	667305.83	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6730.87	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3797	Turbine Delivery Route Option 3A	Clare	47725	TDR 25m intervals	566084.07	667297.38	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6709.55	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3798	Turbine Delivery Route Option 3A	Clare	47675	TDR 25m intervals	566060.59	667288.79	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6688.17	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3799	Turbine Delivery Route Option 3A	Clare	47650	TDR 25m intervals	566037.15	667280.10	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6666.77	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3800	Turbine Delivery Route Option 3A	Clare	47600	TDR 25m intervals	566013.71	667271.41	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6645.38	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3801	Turbine Delivery Route Option 3A	Clare	47575	TDR 25m intervals	565990.27	667262.71	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6624.03	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3802	Turbine Delivery Route Option 3A	Clare	47525	TDR 25m intervals	565966.83	667254.02	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6602.69	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3803	Turbine Delivery Route Option 3A	Clare	47500	TDR 25m intervals	565943.36	667245.40	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6581.43	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3804	Turbine Delivery Route Option 3A	Clare	47475	TDR 25m intervals	565919.87	667236.84	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6560.22	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3805	Turbine Delivery Route Option 3A	Clare	47425	TDR 25m intervals	565896.38	667228.28	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6539.04	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3806	Turbine Delivery Route Option 3A	Clare	47400	TDR 25m intervals	565872.89	667219.72	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6517.89	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone
3807	Turbine Delivery Route Option 3A	Clare	47375	TDR 25m intervals	565849.41	667211.16	NA	NA	No	NA	SHANNON (LOWER)_050	Shannon[Lower]_SC_080	Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	NA	NA	6496.77	Yes	No	No	No	No		ELEVATED RISK Within GW Buffer Zone