



Appendix 10.4 - Baseline Database - IPP Connection Route  
 Oatfield WF, Co. Clare



Project Ref: 604569  
 Prepared by: DW  
 Date: 17/11/2023  
 File Ref: 604569-Geo-R03-App10.4-(00)-Baseline Database - IPP Connection Route

Row No.	IPP Connection Route (GCR)	County	Assessment Location		Grid Coordinates (ITM)		Construction Details		Surface Water			Groundwater / Bedrock Aquifer				Groundwater / Wells / Abstraction		Designated Areas			Assessment Graphics / Comment				
			Location ID	Assessment Location Category	Easting ITM	Northing ITM	Type of Water Crossing / Construction Activity	Approximate Construction Depth (Excavation / Drilling) Depth Relative to Ground Level mGL	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	Groundwater Source Protection Area	SAC 50m Buffer	SPA 50m Buffer	Within SAC / SPA / NHA ?	Map Tile Number	Comments & MITIGATION MEASURES
68	IPP Connection Route	Clare	1675	IPP 25m intervals	577768.95	669058.64	Shallow Excavation	1.2	No	NA	MOUNTRICE_010	Shannon(Lower)_SC_100	High (H)	3 to 5m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	6873.68	No	No	No	No	No		
69	IPP Connection Route	Clare	1700	IPP 25m intervals	577782.15	669037.41	Shallow Excavation	1.2	No	NA	MOUNTRICE_010	Shannon(Lower)_SC_100	High (H)	3 to 5m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	6897.95	No	No	No	No	No		
70	IPP Connection Route	Clare	1725	IPP 25m intervals	577795.36	669016.18	Shallow Excavation	1.2	No	NA	MOUNTRICE_010	Shannon(Lower)_SC_100	High (H)	3 to 5m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	6922.21	No	No	No	No	No		
71	IPP Connection Route	Clare	1750	IPP 25m intervals	577808.56	668994.95	Shallow Excavation	1.2	No	NA	MOUNTRICE_010	Shannon(Lower)_SC_100	High (H)	3 to 5m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	6946.49	No	No	No	No	No		
72	IPP Connection Route	Clare	1775	IPP 25m intervals	577821.77	668973.73	Shallow Excavation	1.2	No	NA	MOUNTRICE_010	Shannon(Lower)_SC_100	High (H)	3 to 5m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	6970.76	No	No	No	No	No		
73	IPP Connection Route	Clare	1800	IPP 25m intervals	577834.98	668952.50	Shallow Excavation	1.2	No	NA	MOUNTRICE_010	Shannon(Lower)_SC_100	High (H)	3 to 5m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	6995.05	No	No	No	No	No		
74	IPP Connection Route	Clare	1825	IPP 25m intervals	577848.18	668931.27	Shallow Excavation	1.2	No	NA	MOUNTRICE_010	Shannon(Lower)_SC_100	Moderate (M)	5 to 10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	7019.33	No	No	No	No	No		
75	IPP Connection Route	Clare	1850	IPP 25m intervals	577861.39	668910.04	Shallow Excavation	1.2	No	NA	MOUNTRICE_010	Shannon(Lower)_SC_100	Moderate (M)	5 to 10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	7043.63	No	No	No	No	No		
76	IPP Connection Route	Clare	1875	IPP 25m intervals	577874.59	668888.82	Shallow Excavation	1.2	No	NA	MOUNTRICE_010	Shannon(Lower)_SC_100	Moderate (M)	5 to 10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	7067.92	No	No	No	No	No		
77	IPP Connection Route	Clare	1900	IPP 25m intervals	577887.80	668867.59	Shallow Excavation	1.2	No	NA	MOUNTRICE_010	Shannon(Lower)_SC_100	Moderate (M)	5 to 10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	7092.23	No	No	No	No	No		
78	IPP Connection Route	Clare	1925	IPP 25m intervals	577901.01	668846.02	Shallow Excavation	1.2	No	NA	MOUNTRICE_010	Shannon(Lower)_SC_100	Moderate (M)	5 to 10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	7116.67	No	No	No	No	No		
79	IPP Connection Route	Clare	1950	IPP 25m intervals	577914.22	668824.80	Shallow Excavation	1.2	No	NA	MOUNTRICE_010	Shannon(Lower)_SC_100	Moderate (M)	5 to 10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	7141.37	No	No	No	No	No		
80	IPP Connection Route	Clare	1975	IPP 25m intervals	577927.43	668803.58	Shallow Excavation	1.2	No	NA	MOUNTRICE_010	Shannon(Lower)_SC_100	Moderate (M)	5 to 10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	7166.08	No	No	No	No	No		
81	IPP Connection Route	Clare	2000	IPP 25m intervals	577940.64	668782.36	Shallow Excavation	1.2	No	NA	MOUNTRICE_010	Shannon(Lower)_SC_100	Moderate (M)	5 to 10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	7190.79	No	No	No	No	No		
82	IPP Connection Route	Clare	2025	IPP 25m intervals	577953.85	668761.14	Shallow Excavation	1.2	No	NA	MOUNTRICE_010	Shannon(Lower)_SC_100	Moderate (M)	5 to 10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	7215.50	No	No	No	No	No		
83	IPP Connection Route	Clare	2050	IPP 25m intervals	577967.06	668739.92	Shallow Excavation	1.2	No	NA	MOUNTRICE_010	Shannon(Lower)_SC_100	Moderate (M)	5 to 10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	7240.21	No	No	No	No	No		
84	IPP Connection Route	Clare	2075	IPP 25m intervals	577980.27	668718.70	Shallow Excavation	1.2	No	NA	MOUNTRICE_010	Shannon(Lower)_SC_100	Moderate (M)	5 to 10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	7264.92	No	No	No	No	No		
85	IPP Connection Route	Clare	2100	IPP 25m intervals	577993.48	668697.48	Shallow Excavation	1.2	No	NA	MOUNTRICE_010	Shannon(Lower)_SC_100	Moderate (M)	5 to 10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	7289.63	No	No	No	No	No		
86	IPP Connection Route	Clare	2125	IPP 25m intervals	578006.69	668676.26	Shallow Excavation	1.2	No	NA	MOUNTRICE_010	Shannon(Lower)_SC_100	Moderate (M)	5 to 10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	7314.34	No	No	No	No	No		
87	IPP Connection Route	Clare	2150	IPP 25m intervals	578019.90	668655.04	Shallow Excavation	1.2	No	NA	MOUNTRICE_010	Shannon(Lower)_SC_100	Moderate (M)	5 to 10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	7339.05	No	No	No	No	No		
88	IPP Connection Route	Clare	2175	IPP 25m intervals	578033.11	668633.82	Shallow Excavation	1.2	No	NA	MOUNTRICE_010	Shannon(Lower)_SC_100	Moderate (M)	5 to 10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	7363.76	No	No	No	No	No		
89	IPP Connection Route	Clare	2200	IPP 25m intervals	578046.32	668612.60	Shallow Excavation	1.2	No	NA	MOUNTRICE_010	Shannon(Lower)_SC_100	Moderate (M)	5 to 10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	7388.47	No	No	No	No	No		
90	IPP Connection Route	Clare	2225	IPP 25m intervals	578059.53	668591.38	Shallow Excavation	1.2	No	NA	MOUNTRICE_010	Shannon(Lower)_SC_100	Moderate (M)	5 to 10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	7413.18	No	No	No	No	No		
91	IPP Connection Route	Clare	2250	IPP 25m intervals	578072.74	668570.16	Shallow Excavation	1.2	No	NA	MOUNTRICE_010	Shannon(Lower)_SC_100	Moderate (M)	5 to 10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	7437.89	No	No	No	No	No		
92	IPP Connection Route	Clare	2275	IPP 25m intervals	578085.95	668548.94	Shallow Excavation	1.2	No	NA	MOUNTRICE_010	Shannon(Lower)_SC_100	Moderate (M)	5 to 10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	7462.60	No	No	No	No	No		
93	IPP Connection Route	Clare	2300	IPP 25m intervals	578099.16	668527.72	Shallow Excavation	1.2	No	NA	MOUNTRICE_010	Shannon(Lower)_SC_100	Moderate (M)	5 to 10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	7487.31	No	No	No	No	No		
94	IPP Connection Route	Clare	2325	IPP 25m intervals	578112.37	668506.50	Shallow Excavation	1.2	No	NA	MOUNTRICE_010	Shannon(Lower)_SC_100	Moderate (M)	5 to 10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	7512.02	No	No	No	No	No		
95	IPP Connection Route	Clare	2350	IPP 25m intervals	578125.58	668485.28	Shallow Excavation	1.2	No	NA	MOUNTRICE_010	Shannon(Lower)_SC_100	Moderate (M)	5 to 10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	7536.73	No	No	No	No	No		
96	IPP Connection Route	Clare	2375	IPP 25m intervals	578138.79	668464.06	Shallow Excavation	1.2	No	NA	MOUNTRICE_010	Shannon(Lower)_SC_100	Moderate (M)	5 to 10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	7561.44	No	No	No	No	No		
97	IPP Connection Route	Clare	2400	IPP 25m intervals	578152.00	668442.84	Shallow Excavation	1.2	No	NA	MOUNTRICE_010	Shannon(Lower)_SC_100	Moderate (M)	5 to 10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	7586.15	No	No	No	No	No		
98	IPP Connection Route	Clare	2425	IPP 25m intervals	578165.21	668421.62	Shallow Excavation	1.2	No	NA	MOUNTRICE_010	Shannon(Lower)_SC_100	Moderate (M)	5 to 10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	7610.86	No	No	No	No	No		
99	IPP Connection Route	Clare	2450	IPP 25m intervals	578178.42	668400.40	Shallow Excavation	1.2	No	NA	MOUNTRICE_010	Shannon(Lower)_SC_100	Moderate (M)	5 to 10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	7635.57	No	No	No	No	No		
100	IPP Connection Route	Clare	2475	IPP 25m intervals	578191.63	668379.18	Shallow Excavation	1.2	No	NA	MOUNTRICE_010	Shannon(Lower)_SC_100	Moderate (M)	5 to 10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	7660.28	No	No	No	No	No		
101	IPP Connection Route	Clare	2500	IPP 25m intervals	578204.84	668357.96	Shallow Excavation	1.2	No	NA	MOUNTRICE_010	Shannon(Lower)_SC_100	Moderate (M)	5 to 10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	7684.99	No	No	No	No	No		
102	IPP Connection Route	Clare	2525	IPP 25m intervals	578218.05	668336.74	Shallow Excavation	1.2	Yes	MOUNTRICE_010	MOUNTRICE_010	Shannon(Lower)_SC_100	Moderate (M)	5 to 10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	7709.70	No	No	No	No	No		ELEVATED RISK Works will be carried out within SW Buffer Zone
103	IPP Connection Route	Clare	2550	IPP 25m intervals	578231.26	668315.52	Shallow Excavation	1.2	Yes	MOUNTRICE_010	MOUNTRICE_010	Shannon(Lower)_SC_100	Moderate (M)	5 to 10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	7734.41	No	No	No	No	No		ELEVATED RISK Works will be carried out within SW Buffer Zone
104	IPP Connection Route	Clare	2575	IPP 25m intervals	578244.47	668294.30	Shallow Excavation	1.2	Yes	MOUNTRICE_010	MOUNTRICE_010	Shannon(Lower)_SC_100	Moderate (M)	5 to 10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	7759.12	No	No	No	No	No		ELEVATED RISK Works will be carried out within SW Buffer Zone
105	IPP Connection Route	Clare	2600	IPP 25m intervals	578257.68	668273.08	Shallow Excavation	1.2	Yes	MOUNTRICE_010	MOUNTRICE_010	Shannon(Lower)_SC_100	Moderate (M)	5 to 10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	7783.83	No	No	No	No	No		ELEVATED RISK Works will be carried out within SW Buffer Zone
106	IPP Connection Route	Clare	Crossing No. 48A (IPP)	IPP	578270.89	668251.86	Shallow Excavation	1.2	Yes	MOUNTRICE_010	MOUNTRICE_010	Shannon(Lower)_SC_100	Moderate (M)	5 to 10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	7808.54	No	No	No	No	No		ELEVATED RISK Works will be carried out within SW Buffer Zone
107	IPP Connection Route	Clare	2625	IPP 25m intervals	578284.10	668230.64	Shallow Excavation	1.2	Yes	MOUNTRICE_010	MOUNTRICE_010	Shannon(Lower)_SC_100	Moderate (M)	5 to 10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	7833.25	No	No	No	No	No		ELEVATED RISK Works will be carried out within SW Buffer Zone
108	IPP Connection Route	Clare	2650	IPP 25m intervals	578297.31	668209.42	Shallow Excavation	1.2	Yes	MOUNTRICE_010	MOUNTRICE_010	Shannon(Lower)_SC_100	Moderate (M)	5 to 10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	7857.96	No	No	No	No	No		ELEVATED RISK Works will be carried out within SW Buffer Zone
109	IPP Connection Route	Clare	2675	IPP 25m intervals	578310.52	668188.20	Shallow Excavation	1.2	No	NA	MOUNTRICE_010	Shannon(Lower)_SC_100	Moderate (M)	5 to 10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	7882.67	No	No	No	No	No		
110	IPP Connection Route	Clare	2700	IPP 25m intervals	578323.73	668166.98	Shallow Excavation	1.2	No	NA	MOUNTRICE_010	Shannon(Lower)_SC_100	Moderate (M)	5 to 10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	7907.38	No	No	No	No	No		
111	IPP Connection Route	Clare	2725	IPP 25m intervals	578336.94	668145.76	Shallow Excavation	1.2	No	NA	MOUNTRICE_010	Shannon(Lower)_SC_100	Moderate (M)	5 to 10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	7932.09	No	No	No	No	No		
112	IPP Connection Route	Clare	2750	IPP 25m intervals	578350.15	668124.54	Shallow Excavation	1.2	No	NA	MOUNTRICE_010	Shannon(Lower)_SC_100	Moderate (M)	5 to 10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	7956.80	No	No	No	No	No		
113	IPP Connection Route	Clare	2775	IPP 25m intervals	578363.36	668103.32	Shallow Excavation	1.2	No	NA	MOUNTRICE_010	Shannon(Lower)_SC_100	Moderate (M)	5 to 10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	7981.51	No	No	No	No	No		
114	IPP Connection Route	Clare	2800	IPP 25m intervals	578376.57	668082.10	Shallow Excavation	1.2	No	NA	MOUNTRICE_010	Shannon(Lower)_SC_100	Moderate (M)	5 to 10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	8006.22	No	No	No	No	No		
115	IPP Connection Route	Clare	2825	IPP 25m intervals	578389.78	668060.88	Shallow Excavation	1.2	No	NA	MOUNTRICE_010	Shannon(Lower)_SC_100	Moderate (M)	5 to 10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	8030.93	No	No	No	No	No		
116	IPP Connection Route	Clare	2850	IPP 25m intervals	578402.99	668039.66	Shallow Excavation	1.2	No	NA	MOUNTRICE_010	Shannon(Lower)_SC_100	Moderate (M)	5 to 10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	8055.64	No	No	No	No	No		
117	IPP Connection Route	Clare	2875	IPP 25m intervals	578416.20	668018.44	Shallow Excavation	1.2	No	NA	MOUNTRICE_010	Shannon(Lower)_SC_100	Moderate (M)	5 to 10m</											

Appendix 10.4 - Baseline Database - IPP Connection Route  
Oatfield WF, Co. Clare



Project Ref: 604569  
Prepared by: DW  
Date: 17/11/2023  
File Ref: 604569-Geo-R03-App10.4-(00)-Baseline Database - IPP Connection Route

Row No.	IPP Connection Route (GCR)	County	Assessment Location		Grid Coordinates (ITM)		Construction Details		Surface Water				Groundwater / Bedrock Aquifer				Groundwater / Wells / Abstraction		Designated Areas			Assessment Graphics / Comment		
			Location ID	Assessment Location Category	Easting ITM	Northing ITM	Type of Water Crossing / Construction Activity	Approximate Construction Depth (Excavation / Drilling) Depth Relative to Ground Level mGL	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	Groundwater Source Protection Area NFGWS	SAC 50m Buffer	SPA 50m Buffer	Within SAC / SPA / NHA ?	Map Tile Number
140	IPP Connection Route	Clare	3425	IPP 25m intervals	558296.50	667413.52	Shallow Excavation	1.2	No	NA	MOUNTRICE_010	Shannon(Lower)_SC_100	Moderate (M)	5 to 10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	6445.93	No	No	No	No		
141	IPP Connection Route	Clare	3450	IPP 25m intervals	558298.85	667388.64	Shallow Excavation	1.2	No	NA	MOUNTRICE_010	Shannon(Lower)_SC_100	Moderate (M)	5 to 10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	6423.96	No	No	No	No		
142	IPP Connection Route	Clare	3475	IPP 25m intervals	558301.21	667363.75	Shallow Excavation	1.2	No	NA	MOUNTRICE_010	Shannon(Lower)_SC_100	Moderate (M)	5 to 10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	6402.01	No	No	No	No		
143	IPP Connection Route	Clare	3500	IPP 25m intervals	558303.57	667338.86	Shallow Excavation	1.2	No	NA	MOUNTRICE_010	Shannon(Lower)_SC_100	Moderate (M)	5 to 10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	6380.09	No	No	No	No		
144	IPP Connection Route	Clare	3525	IPP 25m intervals	558305.92	667313.97	Shallow Excavation	1.2	Yes	MOUNTRICE_010	MOUNTRICE_010	Shannon(Lower)_SC_100	Moderate (M)	5 to 10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	6358.18	No	No	No	No		ELEVATED RISK Works will be carried out within SW Buffer Zone
145	IPP Connection Route	Clare	3550	IPP 25m intervals	558308.28	667289.08	Shallow Excavation	1.2	Yes	MOUNTRICE_010	MOUNTRICE_010	Shannon(Lower)_SC_100	Moderate (M)	5 to 10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	6336.31	No	No	No	No		ELEVATED RISK Works will be carried out within SW Buffer Zone
146	IPP Connection Route	Clare	3575	IPP 25m intervals	558311.14	667264.25	Shallow Excavation	1.2	Yes	MOUNTRICE_010	MOUNTRICE_010	Shannon(Lower)_SC_100	Moderate (M)	5 to 10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	6314.21	No	No	No	No		ELEVATED RISK Works will be carried out within SW Buffer Zone
147	IPP Connection Route	Clare		Crossing No. 43A (IPP)	558311.88	667258.46	Horizontal Directional Drilling		Yes	MOUNTRICE_010	MOUNTRICE_010	Shannon(Lower)_SC_100	Moderate (M)	5 to 10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	6314.21	No	No	No	No		ELEVATED RISK Works will be carried out within SW Buffer Zone
148	IPP Connection Route	Clare	3600	IPP 25m intervals	558314.30	667239.45	Shallow Excavation	1.2	Yes	MOUNTRICE_010	MOUNTRICE_010	Shannon(Lower)_SC_100	Moderate (M)	5 to 10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	6291.99	No	No	No	No		ELEVATED RISK Works will be carried out within SW Buffer Zone
149	IPP Connection Route	Clare	3625	IPP 25m intervals	558316.92	667214.59	Shallow Excavation	1.2	No	NA	MOUNTRICE_010	Shannon(Lower)_SC_100	Moderate (M)	5 to 10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	6270.05	No	No	No	No		
150	IPP Connection Route	Clare	3650	IPP 25m intervals	558319.48	667189.72	Shallow Excavation	1.2	No	NA	MOUNTRICE_010	Shannon(Lower)_SC_100	Moderate (M)	5 to 10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	6248.16	No	No	No	No		
151	IPP Connection Route	Clare	3675	IPP 25m intervals	558322.05	667164.85	Shallow Excavation	1.2	No	NA	MOUNTRICE_010	Shannon(Lower)_SC_100	Moderate (M)	5 to 10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	6226.30	No	No	No	No		
152	IPP Connection Route	Clare	3700	IPP 25m intervals	558324.61	667139.98	Shallow Excavation	1.2	No	NA	MOUNTRICE_010	Shannon(Lower)_SC_100	Moderate (M)	5 to 10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	6204.46	No	No	No	No		
153	IPP Connection Route	Clare	3725	IPP 25m intervals	558326.51	667115.06	Shallow Excavation	1.2	No	NA	MOUNTRICE_010	Shannon(Lower)_SC_100	Moderate (M)	5 to 10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	6182.97	No	No	No	No		
154	IPP Connection Route	Clare	3750	IPP 25m intervals	558328.35	667090.12	Shallow Excavation	1.2	No	NA	MOUNTRICE_010	Shannon(Lower)_SC_100	Moderate (M)	5 to 10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	6161.55	No	No	No	No		
155	IPP Connection Route	Clare	3775	IPP 25m intervals	558330.36	667065.21	Shallow Excavation	1.2	No	NA	MOUNTRICE_010	Shannon(Lower)_SC_100	Moderate (M)	5 to 10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	6140.06	No	No	No	No		
156	IPP Connection Route	Clare	3800	IPP 25m intervals	558333.01	667040.35	Shallow Excavation	1.2	No	NA	MOUNTRICE_010	Shannon(Lower)_SC_100	Moderate (M)	5 to 10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	6118.27	No	No	No	No		
157	IPP Connection Route	Clare	3825	IPP 25m intervals	558335.67	667015.49	Shallow Excavation	1.2	No	NA	MOUNTRICE_010	Shannon(Lower)_SC_100	Moderate (M)	5 to 10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	6096.51	No	No	No	No		
158	IPP Connection Route	Clare	3850	IPP 25m intervals	558337.44	666990.56	Shallow Excavation	1.2	No	NA	MOUNTRICE_010	Shannon(Lower)_SC_100	Moderate (M)	5 to 10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	6075.23	No	No	No	No		
159	IPP Connection Route	Clare	3875	IPP 25m intervals	558339.06	666965.61	Shallow Excavation	1.2	No	NA	MOUNTRICE_010	Shannon(Lower)_SC_100	Moderate (M)	5 to 10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	6054.11	No	No	No	No		
160	IPP Connection Route	Clare	3900	IPP 25m intervals	558342.18	666940.82	Shallow Excavation	1.2	No	NA	MOUNTRICE_010	Shannon(Lower)_SC_100	Moderate (M)	5 to 10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	6032.15	No	No	No	No		
161	IPP Connection Route	Clare	3925	IPP 25m intervals	558345.40	666916.03	Shallow Excavation	1.2	No	NA	MOUNTRICE_010	Shannon(Lower)_SC_100	Moderate (M)	5 to 10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	6010.22	No	No	No	No		
162	IPP Connection Route	Clare	3950	IPP 25m intervals	558348.58	666891.23	Shallow Excavation	1.2	No	NA	MOUNTRICE_010	Shannon(Lower)_SC_100	Moderate (M)	5 to 10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	5988.32	No	No	No	No		
163	IPP Connection Route	Clare	3975	IPP 25m intervals	558351.32	666866.38	Shallow Excavation	1.2	No	NA	MOUNTRICE_010	Shannon(Lower)_SC_100	Moderate (M)	5 to 10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	5966.67	No	No	No	No		
164	IPP Connection Route	Clare	4000	IPP 25m intervals	558354.07	666841.53	Shallow Excavation	1.2	No	NA	MOUNTRICE_010	Shannon(Lower)_SC_100	Moderate (M)	5 to 10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	5945.04	No	No	No	No		
165	IPP Connection Route	Clare	4025	IPP 25m intervals	558356.50	666816.65	Shallow Excavation	1.2	No	NA	MOUNTRICE_010	Shannon(Lower)_SC_100	Moderate (M)	5 to 10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	5923.61	No	No	No	No		
166	IPP Connection Route	Clare	4050	IPP 25m intervals	558358.63	666791.74	Shallow Excavation	1.2	No	NA	MOUNTRICE_010	Shannon(Lower)_SC_100	Moderate (M)	5 to 10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	5902.35	No	No	No	No		
167	IPP Connection Route	Clare	4075	IPP 25m intervals	558360.76	666766.83	Shallow Excavation	1.2	No	NA	MOUNTRICE_010	Shannon(Lower)_SC_100	Moderate (M)	5 to 10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	5881.13	No	No	No	No		
168	IPP Connection Route	Clare	4100	IPP 25m intervals	558363.37	666741.97	Shallow Excavation	1.2	No	NA	MOUNTRICE_010	Shannon(Lower)_SC_100	Moderate (M)	5 to 10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	5859.68	No	No	No	No		
169	IPP Connection Route	Clare	4125	IPP 25m intervals	558366.03	666717.11	Shallow Excavation	1.2	No	NA	MOUNTRICE_010	Shannon(Lower)_SC_100	High (H)	3 to 5m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	5838.24	No	No	No	No		
170	IPP Connection Route	Clare	4150	IPP 25m intervals	558368.69	666692.25	Shallow Excavation	1.2	No	NA	MOUNTRICE_010	Shannon(Lower)_SC_100	High (H)	3 to 5m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	5816.82	No	No	No	No		
171	IPP Connection Route	Clare	4175	IPP 25m intervals	558370.90	666667.35	Shallow Excavation	1.2	No	NA	MOUNTRICE_010	Shannon(Lower)_SC_100	High (H)	3 to 5m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	5795.68	No	No	No	No		
172	IPP Connection Route	Clare	4200	IPP 25m intervals	558372.93	666642.44	Shallow Excavation	1.2	No	NA	MOUNTRICE_010	Shannon(Lower)_SC_100	High (H)	3 to 5m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	5774.65	No	No	No	No		
173	IPP Connection Route	Clare	4225	IPP 25m intervals	558374.62	666617.50	Shallow Excavation	1.2	No	NA	MOUNTRICE_010	Shannon(Lower)_SC_100	High (H)	3 to 5m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	5753.86	No	No	No	No		
174	IPP Connection Route	Clare	4250	IPP 25m intervals	558376.82	666592.53	Shallow Excavation	1.2	No	NA	MOUNTRICE_010	Shannon(Lower)_SC_100	High (H)	3 to 5m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	5733.36	No	No	No	No		
175	IPP Connection Route	Clare	4275	IPP 25m intervals	558377.03	666567.56	Shallow Excavation	1.2	No	NA	MOUNTRICE_010	Shannon(Lower)_SC_100	High (H)	3 to 5m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	5712.91	No	No	No	No		
176	IPP Connection Route	Clare	4300	IPP 25m intervals	558378.24	666542.58	Shallow Excavation	1.2	No	NA	MOUNTRICE_010	Shannon(Lower)_SC_100	High (H)	3 to 5m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	5692.49	No	No	No	No		
177	IPP Connection Route	Clare	4325	IPP 25m intervals	558378.46	666517.59	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	High (H)	3 to 5m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	5672.69	No	No	No	No		
178	IPP Connection Route	Clare	4350	IPP 25m intervals	558378.46	666492.59	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	High (H)	3 to 5m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	5653.07	No	No	No	No		
179	IPP Connection Route	Clare	4375	IPP 25m intervals	558378.19	666467.60	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	High (H)	3 to 5m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	5633.67	No	No	No	No		
180	IPP Connection Route	Clare	4400	IPP 25m intervals	558377.08	666442.62	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	High (H)	3 to 5m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	5614.85	No	No	No	No		
181	IPP Connection Route	Clare	4425	IPP 25m intervals	558376.51	666417.65	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	High (H)	3 to 5m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	5595.74	No	No	No	No		
182	IPP Connection Route	Clare	4450	IPP 25m intervals	558377.75	666392.68	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	High (H)	3 to 5m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	5575.54	No	No	No	No		
183	IPP Connection Route	Clare	4475	IPP 25m intervals	558380.24	666367.95	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	High (H)	3 to 5m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	5554.78	No	No	No	No		
184	IPP Connection Route	Clare	4500	IPP 25m intervals	558387.98	666344.19	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	High (H)	3 to 5m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	5531.48	No	No	No	No		
185	IPP Connection Route	Clare	4525	IPP 25m intervals	558394.49	666320.05	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Extreme (E)	1 to 3m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Likely	NA	5508.68	No	No	No	No		ELEVATED RISK Excavation works could potentially encounter bedrock
186	IPP Connection Route	Clare	4550	IPP 25m intervals	558400.91	666295.91	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Extreme (E)	1 to 3m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Likely	NA	5485.90	No	No	No	No		ELEVATED RISK Excavation works could potentially encounter bedrock
187	IPP Connection Route	Clare	4575	IPP 25m intervals	558408.89	666272.19	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Extreme (E)	1 to 3m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Likely	NA	5462.58	No	No	No	No		ELEVATED RISK Excavation works could potentially encounter bedrock
188	IPP Connection Route	Clare	4600	IPP 25m intervals	558416.82	666248.49	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Extreme (E)	1 to 3m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Likely	NA	5439.25	No	No	No	No		ELEVATED RISK Excavation works could potentially encounter bedrock
189	IPP Connection Route	Clare	4625	IPP 25m intervals	558427.09	666225.96	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Extreme (E)	1 to 3m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Likely	NA	5415.36	No	No	No	No		ELEVATED RISK Excavation works could potentially encounter bedrock
190	IPP Connection Route	Clare	4650	IPP 25m intervals	558441.54	666205.56	Shallow Excavation	1.2	No	NA														

Appendix 10.4 - Baseline Database - IPP Connection Route  
 Oatfield WF, Co. Clare



Project Ref: 604569  
 Prepared by: DW  
 Date: 17/11/2023  
 File Ref: 604569-Geo-R03-App10.4-00-Baseline Database - IPP Connection Route

Row No.	IPP Connection Route (GCR)	County	Assessment Location		Grid Coordinates (ITM)		Construction Details		Surface Water			Groundwater / Bedrock Aquifer				Groundwater / Wells / Abstraction		Designated Areas			Assessment Graphics / Comment				
			Location ID	Assessment Location Category	Easting	Northing	Type of Water Crossing / Construction Activity	Approximate Construction Depth (Excavation / Drilling) Depth Relative to Ground Level (mGL)	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 in 250m Buffer	Groundwater Source Protection Area NFGWS	SAC 50m Buffer	SPA 50m Buffer	Within SAC / SPA / NHA ?	Map Tile Number	Comments & MITIGATION MEASURES
211	IPP Connection Route	Clare	5100	IPP 25m intervals	558160.22	666161.79	Shallow Excavation	1.2	Yes	BLACKWATER (CLARE)_010	MOUNTRICE_010	Shannon(Lower)_SC_100	Low (L)	>10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	5542.13	No	No	No	No	No		ELEVATED RISK Works will be carried out within SW Buffer Zone
212	IPP Connection Route	Clare	5100	IPP 25m intervals	558160.22	666161.79	Shallow Excavation	1.2	Yes	BLACKWATER (CLARE)_010	MOUNTRICE_010	Shannon(Lower)_SC_100	Low (L)	>10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	5542.13	No	No	No	No	No		ELEVATED RISK Works will be carried out within SW Buffer Zone
213	IPP Connection Route	Clare	5125	IPP 25m intervals	558135.76	666166.65	Shallow Excavation	1.2	Yes	BLACKWATER (CLARE)_010	MOUNTRICE_010	Shannon(Lower)_SC_100	Low (L)	>10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	5562.21	No	No	No	No	No		ELEVATED RISK Works will be carried out within SW Buffer Zone
214	IPP Connection Route	Clare	5125	IPP 25m intervals	558135.76	666166.65	Shallow Excavation	1.2	Yes	BLACKWATER (CLARE)_010	MOUNTRICE_010	Shannon(Lower)_SC_100	Low (L)	>10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	5562.21	No	No	No	No	No		ELEVATED RISK Works will be carried out within SW Buffer Zone
215	IPP Connection Route	Clare	5150	IPP 25m intervals	558111.67	666173.34	Shallow Excavation	1.2	Yes	BLACKWATER (CLARE)_010	MOUNTRICE_010	Shannon(Lower)_SC_100	Low (L)	>10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	5583.42	No	No	No	No	No		ELEVATED RISK Works will be carried out within SW Buffer Zone
216	IPP Connection Route	Clare	5175	IPP 25m intervals	558087.35	666179.12	Shallow Excavation	1.2	No	NA	MOUNTRICE_010	Shannon(Lower)_SC_100	Low (L)	>10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	5604.15	No	No	No	No	No		ELEVATED RISK Works will be carried out within SW Buffer Zone
217	IPP Connection Route	Clare	5200	IPP 25m intervals	558063.03	666184.90	Shallow Excavation	1.2	No	NA	MOUNTRICE_010	Shannon(Lower)_SC_100	Low (L)	>10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	5624.92	No	No	No	No	No		ELEVATED RISK Works will be carried out within SW Buffer Zone
218	IPP Connection Route	Clare	5225	IPP 25m intervals	558038.71	666190.71	Shallow Excavation	1.2	No	NA	MOUNTRICE_010	Shannon(Lower)_SC_100	Low (L)	>10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	5645.74	No	No	No	No	No		ELEVATED RISK Works will be carried out within SW Buffer Zone
219	IPP Connection Route	Clare	5250	IPP 25m intervals	558014.67	666197.57	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Low (L)	>10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	5667.17	No	No	No	No	No		ELEVATED RISK Works will be carried out within SW Buffer Zone
220	IPP Connection Route	Clare	5275	IPP 25m intervals	557990.63	666204.42	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Low (L)	>10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	5688.63	No	No	No	No	No		ELEVATED RISK Works will be carried out within SW Buffer Zone
221	IPP Connection Route	Clare	5300	IPP 25m intervals	557966.69	666211.63	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Low (L)	>10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	5710.30	No	No	No	No	No		ELEVATED RISK Works will be carried out within SW Buffer Zone
222	IPP Connection Route	Clare	5325	IPP 25m intervals	557942.89	666219.27	Shallow Excavation	1.2	Yes	BLACKWATER (CLARE)_010	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Low (L)	>10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	5732.22	No	No	No	No	No		ELEVATED RISK Works will be carried out within SW Buffer Zone
223	IPP Connection Route	Clare	5350	IPP 25m intervals	557918.99	666226.61	Shallow Excavation	1.2	Yes	BLACKWATER (CLARE)_010	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Low (L)	>10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	5754.01	No	No	No	No	No		ELEVATED RISK Works will be carried out within SW Buffer Zone
224	IPP Connection Route	Clare	Crossing No. 32A (IPP)	Horizontal Directional Drilling	557914.65	666227.87	Horizontal Directional Drilling	1.2	Yes	BLACKWATER (CLARE)_010	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Low (L)	>10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	5754.01	No	No	No	No	No		ELEVATED RISK Works will be carried out within SW Buffer Zone
225	IPP Connection Route	Clare	5375	IPP 25m intervals	557894.98	666233.58	Shallow Excavation	1.2	Yes	BLACKWATER (CLARE)_010	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Low (L)	>10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	5775.64	No	No	No	No	No		ELEVATED RISK Works will be carried out within SW Buffer Zone
226	IPP Connection Route	Clare	5400	IPP 25m intervals	557870.97	666240.54	Shallow Excavation	1.2	Yes	BLACKWATER (CLARE)_010	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Low (L)	>10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	5797.29	No	No	No	No	No		ELEVATED RISK Works will be carried out within SW Buffer Zone
227	IPP Connection Route	Clare	5425	IPP 25m intervals	557846.96	666247.51	Shallow Excavation	1.2	Yes	BLACKWATER (CLARE)_010	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Low (L)	>10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	5818.97	No	No	No	No	No		ELEVATED RISK Works will be carried out within SW Buffer Zone
228	IPP Connection Route	Clare	5450	IPP 25m intervals	557823.04	666254.78	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Low (L)	>10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	5840.83	No	No	No	No	No		ELEVATED RISK Works will be carried out within SW Buffer Zone
229	IPP Connection Route	Clare	5475	IPP 25m intervals	557799.17	666262.20	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Low (L)	>10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	5862.80	No	No	No	No	No		ELEVATED RISK Works will be carried out within SW Buffer Zone
230	IPP Connection Route	Clare	5500	IPP 25m intervals	557775.30	666269.62	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Low (L)	>10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	5884.78	No	No	No	No	No		ELEVATED RISK Works will be carried out within SW Buffer Zone
231	IPP Connection Route	Clare	5525	IPP 25m intervals	557751.38	666276.89	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Low (L)	>10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	5906.72	No	No	No	No	No		ELEVATED RISK Works will be carried out within SW Buffer Zone
232	IPP Connection Route	Clare	5550	IPP 25m intervals	557727.31	666283.65	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Low (L)	>10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	5928.42	No	No	No	No	No		ELEVATED RISK Works will be carried out within SW Buffer Zone
233	IPP Connection Route	Clare	5575	IPP 25m intervals	557703.24	666290.42	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Low (L)	>10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	5950.15	No	No	No	No	No		ELEVATED RISK Works will be carried out within SW Buffer Zone
234	IPP Connection Route	Clare	5600	IPP 25m intervals	557679.28	666297.51	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Low (L)	>10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	5972.07	No	No	No	No	No		ELEVATED RISK Works will be carried out within SW Buffer Zone
235	IPP Connection Route	Clare	5625	IPP 25m intervals	557655.48	666305.19	Shallow Excavation	1.2	Yes	BLACKWATER (CLARE)_010	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Low (L)	>10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	5994.30	No	No	No	No	No		ELEVATED RISK Works will be carried out within SW Buffer Zone
236	IPP Connection Route	Clare	5650	IPP 25m intervals	557631.69	666312.87	Shallow Excavation	1.2	Yes	BLACKWATER (CLARE)_010	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Low (L)	>10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	6016.56	No	No	No	No	No		ELEVATED RISK Works will be carried out within SW Buffer Zone
237	IPP Connection Route	Clare	5675	IPP 25m intervals	557607.90	666320.55	Shallow Excavation	1.2	Yes	BLACKWATER (CLARE)_010	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Low (L)	>10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	6038.83	No	No	No	No	No		ELEVATED RISK Works will be carried out within SW Buffer Zone
238	IPP Connection Route	Clare	5700	IPP 25m intervals	557584.09	666328.17	Shallow Excavation	1.2	Yes	BLACKWATER (CLARE)_010	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Low (L)	>10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	6061.11	No	No	No	No	No		ELEVATED RISK Works will be carried out within SW Buffer Zone
239	IPP Connection Route	Clare	5725	IPP 25m intervals	557560.03	666334.97	Shallow Excavation	1.2	Yes	BLACKWATER (CLARE)_010	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Low (L)	>10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	6083.00	No	No	No	No	No		ELEVATED RISK Works will be carried out within SW Buffer Zone
240	IPP Connection Route	Clare	Crossing No. 26A (IPP)	Horizontal Directional Drilling	557544.83	666339.27	Horizontal Directional Drilling	1.2	Yes	BLACKWATER (CLARE)_010	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Low (L)	>10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	6083.00	No	No	No	No	No		ELEVATED RISK Works will be carried out within SW Buffer Zone
241	IPP Connection Route	Clare	5750	IPP 25m intervals	557535.98	666341.77	Shallow Excavation	1.2	Yes	BLACKWATER (CLARE)_010	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Low (L)	>10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	6104.91	No	No	No	No	No		ELEVATED RISK Works will be carried out within SW Buffer Zone
242	IPP Connection Route	Clare	5775	IPP 25m intervals	557511.92	666348.57	Shallow Excavation	1.2	Yes	BLACKWATER (CLARE)_010	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Low (L)	>10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	6126.85	No	No	No	No	No		ELEVATED RISK Works will be carried out within SW Buffer Zone
243	IPP Connection Route	Clare	5800	IPP 25m intervals	557488.01	666355.86	Shallow Excavation	1.2	Yes	BLACKWATER (CLARE)_010	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Low (L)	>10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	6149.05	No	No	No	No	No		ELEVATED RISK Works will be carried out within SW Buffer Zone
244	IPP Connection Route	Clare	5825	IPP 25m intervals	557464.17	666363.38	Shallow Excavation	1.2	Yes	BLACKWATER (CLARE)_010	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Low (L)	>10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	6171.38	No	No	No	No	No		ELEVATED RISK Works will be carried out within SW Buffer Zone
245	IPP Connection Route	Clare	5850	IPP 25m intervals	557440.39	666371.08	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Low (L)	>10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	6193.81	No	No	No	No	No		ELEVATED RISK Works will be carried out within SW Buffer Zone
246	IPP Connection Route	Clare	5875	IPP 25m intervals	557416.89	666379.62	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Low (L)	>10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	6216.64	No	No	No	No	No		ELEVATED RISK Works will be carried out within SW Buffer Zone
247	IPP Connection Route	Clare	5900	IPP 25m intervals	557393.32	666387.93	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Low (L)	>10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	6239.39	No	No	No	No	No		ELEVATED RISK Works will be carried out within SW Buffer Zone
248	IPP Connection Route	Clare	5925	IPP 25m intervals	557369.55	666395.70	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Low (L)	>10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	6261.91	No	No	No	No	No		ELEVATED RISK Works will be carried out within SW Buffer Zone
249	IPP Connection Route	Clare	5950	IPP 25m intervals	557345.79	666403.47	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Low (L)	>10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	6284.45	No	No	No	No	No		ELEVATED RISK Works will be carried out within SW Buffer Zone
250	IPP Connection Route	Clare	5975	IPP 25m intervals	557322.14	666411.57	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Low (L)	>10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	6307.16	No	No	No	No	No		ELEVATED RISK Works will be carried out within SW Buffer Zone
251	IPP Connection Route	Clare	6000	IPP 25m intervals	557298.67	666419.91	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Low (L)	>10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	6329.99	No	No	No	No	No		ELEVATED RISK Works will be carried out within SW Buffer Zone
252	IPP Connection Route	Clare	6025	IPP 25m intervals	557275.01	666428.25	Shallow Exc																		

Appendix 10.4 - Baseline Database - IPP Connection Route  
 Oatfield WF, Co. Clare



Project Ref: 604569  
 Prepared by: DW  
 Date: 17/11/2023  
 File Ref: 604569-Geo-R03-App10.4-(00)-Baseline Database - IPP Connection Route

Row No.	IPP Connection Route (GCR)	County	Assessment Location		Grid Coordinates (ITM)		Construction Details		Surface Water				Groundwater / Bedrock Aquifer				Groundwater / Wells / Abstraction		Designated Areas			Assessment Graphics / Comment			
			Location ID	Assessment Location Category	Easting ITM	Northing ITM	Type of Water Crossing / Construction Activity	Approximate Construction Depth (Excavation / Drilling) Depth Relative to Ground Level mGL	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
281	IPP Connection Route	Clare	6725	IPP 25m intervals	556625.37	666688.11	Shallow Excavation	1.2	Yes	BLACKWATER (CLARE)_010	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Low (L)	>10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	7008.16	No	No	No	No	No	No	ELEVATED RISK Works will be carried out within SW Buffer Zone
282	IPP Connection Route	Clare	6750	IPP 25m intervals	556601.93	666696.79	Shallow Excavation	1.2	Yes	BLACKWATER (CLARE)_010	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Low (L)	>10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	7031.51	No	No	No	No	No	ELEVATED RISK Works will be carried out within SW Buffer Zone	
283	IPP Connection Route	Clare	6775	IPP 25m intervals	556578.48	666705.47	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Low (L)	>10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	7054.87	No	No	No	No	No		
284	IPP Connection Route	Clare	6800	IPP 25m intervals	556555.04	666714.14	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Low (L)	>10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	7078.24	No	No	No	No	No		
285	IPP Connection Route	Clare	6825	IPP 25m intervals	556531.47	666722.49	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Low (L)	>10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	7101.49	No	No	No	No	No		
286	IPP Connection Route	Clare	6850	IPP 25m intervals	556507.89	666730.79	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Low (L)	>10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	7124.74	No	No	No	No	No		
287	IPP Connection Route	Clare	6875	IPP 25m intervals	556484.30	666739.08	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Low (L)	>10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	7148.00	No	No	No	No	No		
288	IPP Connection Route	Clare	6900	IPP 25m intervals	556460.72	666747.37	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Low (L)	>10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	7171.27	No	No	No	No	No		
289	IPP Connection Route	Clare	6925	IPP 25m intervals	556437.13	666755.67	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Low (L)	>10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	7194.55	No	No	No	No	No		
290	IPP Connection Route	Clare	6950	IPP 25m intervals	556413.55	666763.96	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Low (L)	>10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	7217.85	No	No	No	No	No		
291	IPP Connection Route	Clare	6975	IPP 25m intervals	556389.97	666772.25	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Low (L)	>10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	7241.15	No	No	No	No	No		
292	IPP Connection Route	Clare	7000	IPP 25m intervals	556366.38	666780.55	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Low (L)	>10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	7264.47	No	No	No	No	No		
293	IPP Connection Route	Clare	7025	IPP 25m intervals	556342.88	666789.06	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Low (L)	>10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	7287.88	No	No	No	No	No		
294	IPP Connection Route	Clare	7050	IPP 25m intervals	556319.50	666797.93	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Low (L)	>10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	7311.43	No	No	No	No	No		
295	IPP Connection Route	Clare	7075	IPP 25m intervals	556296.13	666806.80	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Low (L)	>10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	7334.99	No	No	No	No	No		
296	IPP Connection Route	Clare	7100	IPP 25m intervals	556272.75	666815.66	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Low (L)	>10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	7358.56	No	No	No	No	No		
297	IPP Connection Route	Clare	7125	IPP 25m intervals	556249.38	666824.53	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Low (L)	>10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	7382.14	No	No	No	No	No		
298	IPP Connection Route	Clare	7150	IPP 25m intervals	556226.01	666833.40	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Low (L)	>10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	7405.73	No	No	No	No	No		
299	IPP Connection Route	Clare	7175	IPP 25m intervals	556202.51	666841.93	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Low (L)	>10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	7429.20	No	No	No	No	No		
300	IPP Connection Route	Clare	7200	IPP 25m intervals	556178.96	666850.32	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Low (L)	>10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	7452.64	No	No	No	No	No		
301	IPP Connection Route	Clare	7225	IPP 25m intervals	556155.41	666858.71	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Low (L)	>10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	7476.08	No	No	No	No	No		
302	IPP Connection Route	Clare	7250	IPP 25m intervals	556131.86	666867.10	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Low (L)	>10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	7499.54	No	No	No	No	No		
303	IPP Connection Route	Clare	7275	IPP 25m intervals	556108.25	666875.32	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Low (L)	>10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	7522.94	No	No	No	No	No		
304	IPP Connection Route	Clare	7300	IPP 25m intervals	556084.47	666883.03	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Low (L)	>10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	7546.16	No	No	No	No	No		
305	IPP Connection Route	Clare	7325	IPP 25m intervals	556060.69	666890.74	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Low (L)	>10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	7569.39	No	No	No	No	No		
306	IPP Connection Route	Clare	7350	IPP 25m intervals	556036.90	666898.45	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Low (L)	>10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	7592.63	No	No	No	No	No		
307	IPP Connection Route	Clare	7375	IPP 25m intervals	556013.12	666906.16	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Low (L)	>10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	7615.88	No	No	No	No	No		
308	IPP Connection Route	Clare	7400	IPP 25m intervals	555989.34	666913.87	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Low (L)	>10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	7639.14	No	No	No	No	No		
309	IPP Connection Route	Clare	7425	IPP 25m intervals	555965.56	666921.58	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Low (L)	>10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	7662.42	No	No	No	No	No		
310	IPP Connection Route	Clare	7450	IPP 25m intervals	555941.78	666929.29	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Low (L)	>10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	7685.70	No	No	No	No	No		
311	IPP Connection Route	Clare	7475	IPP 25m intervals	555918.00	666937.00	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Low (L)	>10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	7709.00	No	No	No	No	No		
312	IPP Connection Route	Clare	7500	IPP 25m intervals	555894.22	666944.71	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Low (L)	>10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	7732.31	No	No	No	No	No		
313	IPP Connection Route	Clare	7525	IPP 25m intervals	555870.32	666952.04	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Low (L)	>10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	7755.48	No	No	No	No	No		
314	IPP Connection Route	Clare	7550	IPP 25m intervals	555846.40	666959.32	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Low (L)	>10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	7778.64	No	No	No	No	No		
315	IPP Connection Route	Clare	7575	IPP 25m intervals	555822.48	666966.99	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Low (L)	>10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	7801.81	No	No	No	No	No		
316	IPP Connection Route	Clare	7600	IPP 25m intervals	555798.56	666973.86	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Low (L)	>10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	7824.99	No	No	No	No	No		
317	IPP Connection Route	Clare	7625	IPP 25m intervals	555774.69	666981.28	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Low (L)	>10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	7848.24	No	No	No	No	No		
318	IPP Connection Route	Clare	7650	IPP 25m intervals	555750.90	666988.96	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Low (L)	>10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	7871.60	No	No	No	No	No		
319	IPP Connection Route	Clare	7675	IPP 25m intervals	555727.11	666996.65	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Low (L)	>10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	7894.97	No	No	No	No	No		
320	IPP Connection Route	Clare	7700	IPP 25m intervals	555703.32	667004.33	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Low (L)	>10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	7918.36	No	No	No	No	No		
321	IPP Connection Route	Clare	7725	IPP 25m intervals	555679.53	667012.01	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Low (L)	>10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	7941.75	No	No	No	No	No		
322	IPP Connection Route	Clare	7750	IPP 25m intervals	555655.74	667019.70	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Low (L)	>10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	7965.15	No	No	No	No	No		
323	IPP Connection Route	Clare	7775	IPP 25m intervals	555631.95	667027.38	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Low (L)	>10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	7988.56	No	No	No	No	No		
324	IPP Connection Route	Clare	7800	IPP 25m intervals	555608.09	667034.84	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Low (L)	>10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	8011.89	No	No	No	No	No		
325	IPP Connection Route	Clare	7825	IPP 25m intervals	555584.17	667042.11	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Low (L)	>10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	8035.17	No	No	No	No	No		
326	IPP Connection Route	Clare	7850	IPP 25m intervals	55																				

Appendix 10.4 - Baseline Database - IPP Connection Route  
 Oatfield WF, Co. Clare



Project Ref: 604569  
 Prepared by: DW  
 Date: 17/11/2023  
 File Ref: 604569-Geo-R03-App10.4-00-Baseline Database - IPP Connection Route

Row No.	IPP Connection Route (GCR)	County	Assessment Location		Grid Coordinates (ITM)		Construction Details		Surface Water			Groundwater / Bedrock Aquifer				Groundwater / Wells / Abstraction		Designated Areas			Assessment Graphics / Comment				
			Location ID	Assessment Location Category	Easting	Northing	Type of Water Crossing / Construction Activity	Approximate Construction Depth (Excavation / Drilling) Depth Relative to Ground Level (mGL)	SW 50m Buffer	Receptor Category (Mapped river = EPA / WFD mapped)	River basins	Subcatchments	Aquifer Vulnerability	Potential Depth to Bedrock (acc. To CSI 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
350	IPP Connection Route	Clare	8425	IPP 25m intervals	555006.05	667198.41	Shallow Excavation	1.2	Yes	BLACKWATER (CLARE)_010	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Rock near surface or karst (X)	<1m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Likely	NA	8428.05	No	No	No	No	No	No	ELEVATED RISK Works will be carried out within SW Buffer Zone Excavation works could potentially encounter bedrock
351	IPP Connection Route	Clare	8450	IPP 25m intervals	554981.13	667200.40	Shallow Excavation	1.2	Yes	BLACKWATER (CLARE)_010	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Extreme (E)	1 to 3m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Likely	NA	8428.03	No	No	No	No	No	ELEVATED RISK Works will be carried out within SW Buffer Zone Excavation works could potentially encounter bedrock	
352	IPP Connection Route	Clare	8475	IPP 25m intervals	554956.28	667203.06	Shallow Excavation	1.2	Yes	BLACKWATER (CLARE)_010	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Extreme (E)	1 to 3m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Likely	NA	8427.41	No	No	No	No	No	ELEVATED RISK Works will be carried out within SW Buffer Zone Excavation works could potentially encounter bedrock	
353	IPP Connection Route	Clare	8500	IPP 25m intervals	554931.53	667206.55	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Extreme (E)	1 to 3m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Likely	NA	8426.04	No	No	No	No	No	ELEVATED RISK Excavation works could potentially encounter bedrock	
354	IPP Connection Route	Clare	8525	IPP 25m intervals	554906.70	667209.51	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Extreme (E)	1 to 3m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Likely	NA	8425.28	No	No	No	No	No	ELEVATED RISK Excavation works could potentially encounter bedrock	
355	IPP Connection Route	Clare	8550	IPP 25m intervals	554881.85	667212.25	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Extreme (E)	1 to 3m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Likely	NA	8424.81	No	No	No	No	No	ELEVATED RISK Excavation works could potentially encounter bedrock	
356	IPP Connection Route	Clare	8575	IPP 25m intervals	554857.01	667214.99	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	High (H)	3 to 5m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	8424.41	No	No	No	No	No	ELEVATED RISK Excavation works could potentially encounter bedrock	
357	IPP Connection Route	Clare	8600	IPP 25m intervals	554832.21	667218.15	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	High (H)	3 to 5m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	8423.67	No	No	No	No	No	ELEVATED RISK Excavation works could potentially encounter bedrock	
358	IPP Connection Route	Clare	8625	IPP 25m intervals	554807.53	667222.11	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	High (H)	3 to 5m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	8422.20	No	No	No	No	No	ELEVATED RISK Excavation works could potentially encounter bedrock	
359	IPP Connection Route	Clare	8650	IPP 25m intervals	554782.84	667226.07	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Moderate (M)	5 to 10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	8420.79	No	No	No	No	No	ELEVATED RISK Excavation works could potentially encounter bedrock	
360	IPP Connection Route	Clare	8675	IPP 25m intervals	554758.16	667230.02	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Moderate (M)	5 to 10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	8419.46	No	No	No	No	No	ELEVATED RISK Excavation works could potentially encounter bedrock	
361	IPP Connection Route	Clare	8700	IPP 25m intervals	554733.47	667233.98	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Moderate (M)	5 to 10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	8418.21	No	No	No	No	No	ELEVATED RISK Excavation works could potentially encounter bedrock	
362	IPP Connection Route	Clare	8725	IPP 25m intervals	554708.79	667237.94	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Moderate (M)	5 to 10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	8417.03	No	No	No	No	No	ELEVATED RISK Excavation works could potentially encounter bedrock	
363	IPP Connection Route	Clare	8750	IPP 25m intervals	554684.11	667241.90	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Moderate (M)	5 to 10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	8415.92	No	No	No	No	No	ELEVATED RISK Excavation works could potentially encounter bedrock	
364	IPP Connection Route	Clare	8775	IPP 25m intervals	554659.42	667245.85	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Moderate (M)	5 to 10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	8414.90	No	No	No	No	No	ELEVATED RISK Excavation works could potentially encounter bedrock	
365	IPP Connection Route	Clare	8800	IPP 25m intervals	554634.69	667249.53	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Moderate (M)	5 to 10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	8414.23	No	No	No	No	No	ELEVATED RISK Excavation works could potentially encounter bedrock	
366	IPP Connection Route	Clare	8825	IPP 25m intervals	554609.96	667253.20	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Moderate (M)	5 to 10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	8413.63	No	No	No	No	No	ELEVATED RISK Excavation works could potentially encounter bedrock	
367	IPP Connection Route	Clare	8850	IPP 25m intervals	554585.23	667256.88	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Moderate (M)	5 to 10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	8413.11	No	No	No	No	No	ELEVATED RISK Excavation works could potentially encounter bedrock	
368	IPP Connection Route	Clare	8875	IPP 25m intervals	554560.51	667260.56	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Moderate (M)	5 to 10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	8412.66	No	No	No	No	No	ELEVATED RISK Excavation works could potentially encounter bedrock	
369	IPP Connection Route	Clare	8900	IPP 25m intervals	554535.78	667264.23	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Moderate (M)	5 to 10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	8412.28	No	No	No	No	No	ELEVATED RISK Excavation works could potentially encounter bedrock	
370	IPP Connection Route	Clare	8925	IPP 25m intervals	554511.05	667267.91	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Moderate (M)	5 to 10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	8411.98	No	No	No	No	No	ELEVATED RISK Excavation works could potentially encounter bedrock	
371	IPP Connection Route	Clare	8950	IPP 25m intervals	554486.32	667271.58	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Moderate (M)	5 to 10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	8411.76	Yes	No	No	No	No	ELEVATED RISK Works will be carried out within GW Buffer Zone	
372	IPP Connection Route	Clare	8975	IPP 25m intervals	554461.59	667275.26	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Moderate (M)	5 to 10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	8411.60	Yes	No	No	No	No	ELEVATED RISK Works will be carried out within GW Buffer Zone	
373	IPP Connection Route	Clare	9000	IPP 25m intervals	554436.87	667278.94	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Moderate (M)	5 to 10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	8411.53	Yes	No	No	No	No	ELEVATED RISK Works will be carried out within GW Buffer Zone	
374	IPP Connection Route	Clare	9025	IPP 25m intervals	554412.14	667282.61	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Moderate (M)	5 to 10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	8411.52	Yes	No	No	No	No	ELEVATED RISK Works will be carried out within GW Buffer Zone	
375	IPP Connection Route	Clare	9050	IPP 25m intervals	554387.41	667286.29	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Moderate (M)	5 to 10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	8411.59	Yes	No	No	No	No	ELEVATED RISK Works will be carried out within GW Buffer Zone	
376	IPP Connection Route	Clare	9075	IPP 25m intervals	554362.98	667291.60	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Moderate (M)	5 to 10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	8410.98	Yes	No	No	No	No	ELEVATED RISK Works will be carried out within GW Buffer Zone	
377	IPP Connection Route	Clare	9100	IPP 25m intervals	554338.59	667297.06	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Moderate (M)	5 to 10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	8408.49	Yes	No	No	No	No	ELEVATED RISK Works will be carried out within GW Buffer Zone	
378	IPP Connection Route	Clare	9125	IPP 25m intervals	554314.19	667302.53	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Moderate (M)	5 to 10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	8406.96	Yes	No	No	No	No	ELEVATED RISK Works will be carried out within GW Buffer Zone	
379	IPP Connection Route	Clare	9150	IPP 25m intervals	554290.05	667309.02	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Moderate (M)	5 to 10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	8404.45	Yes	No	No	No	No	ELEVATED RISK Works will be carried out within GW Buffer Zone	
380	IPP Connection Route	Clare	9175	IPP 25m intervals	554265.91	667315.51	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Moderate (M)	5 to 10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	8402.01	Yes	No	No	No	No	ELEVATED RISK Works will be carried out within GW Buffer Zone	
381	IPP Connection Route	Clare	9200	IPP 25m intervals	554242.22	667323.00	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Moderate (M)	5 to 10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	8398.60	Yes	No	No	No	No	ELEVATED RISK Works will be carried out within GW Buffer Zone	
382	IPP Connection Route	Clare	9225	IPP 25m intervals	554221.35	667336.77	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Moderate (M)	5 to 10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	8388.58	Yes	No	No	No	No	ELEVATED RISK Works will be carried out within GW Buffer Zone	
383	IPP Connection Route	Clare	9250	IPP 25m intervals	554203.96	667354.60	Shallow Excavation	1.2	Yes	BLACKWATER (CLARE)_010	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Moderate (M)	5 to 10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	8374.02	Yes	No	No	No	No	ELEVATED RISK Works will be carried out within SW Buffer Zone Works will be carried out within GW Buffer Zone	
384	IPP Connection Route	Clare	9275	IPP 25m intervals	554194.42	667377.41	Shallow Excavation	1.2	Yes	BLACKWATER (CLARE)_010	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Moderate (M)	5 to 10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	8353.22	Yes	No	No	No	No	ELEVATED RISK Works will be carried out within SW Buffer Zone Works will be carried out within GW Buffer Zone	
385	IPP Connection Route	Clare	9300	IPP 25m intervals	554185.20	667400.63	Shallow Excavation	1.2	Yes	BLACKWATER (CLARE)_010	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Moderate (M)	5 to 10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	8331.98	Yes	No	No	No	No	ELEVATED RISK Works will be carried out within SW Buffer Zone Works will be carried out within GW Buffer Zone	
386	IPP Connection Route	Clare	9325	IPP 25m intervals	554180.47	667424.95	Shallow Excavation	1.2	Yes	BLACKWATER (CLARE)_010	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Moderate (M)	5 to 10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	8308.90	Yes	No	No	No	No	ELEVATED RISK Works will be carried out within SW Buffer Zone Works will be carried out within GW Buffer Zone	
387	IPP Connection Route	Clare	9350	IPP 25m intervals	554187.92	667448.36	Shallow Excavation	1.2	Yes	BLACKWATER (CLARE)_010	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Moderate (M)	5 to 10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	8284.52	Yes	No	No	No	No	ELEVATED RISK Works will be carried out within SW Buffer Zone Works will be carried out within GW Buffer Zone	
388	IPP Connection Route	Clare	9375	IPP 25m intervals	554197.99	667471.25	Shallow Excavation	1.2	Yes	BLACKWATER (CLARE)_010	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Moderate (M)	5 to 10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	8260.21	Yes	No	No	No	No	ELEVATED RISK Works will be carried out within SW Buffer Zone Works will be carried out within GW Buffer Zone	
389	IPP Connection Route	Clare	9400	IPP 25m intervals	554208.05	667494.13	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Moderate (M)	5 to 10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	8235.91	Yes	No	No	No	No	ELEVATED RISK Works will be carried out within GW Buffer Zone	
390	IPP Connection Route	Clare	9425	IPP 25m intervals	554217.29	667517.38	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Moderate (M)	5 to 10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA	8211.41	Yes	No	No	No	No	ELEVATED RISK Works will be carried out within GW Buffer Zone	
391	IPP Connection Route	Clare	9450	IPP 25m intervals	554226.24	667540.70	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Moderate (M)	5 to 10m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA								

Appendix 10.4 - Baseline Database - IPP Connection Route  
Oatfield WF, Co. Clare



Project Ref: 604569  
Prepared by: DW  
Date: 17/11/2023  
File Ref: 604569-Geo-R03-App10.4-(00)-Baseline Database - IPP Connection Route

Row No.	GCR		Assessment Location		Grid Coordinates (ITM)		Construction Details		Surface Water				Groundwater / Bedrock Aquifer				Groundwater / Wells / Abstraction			Designated Areas			Assessment Graphics / Comment		
	IPP Connection Route (GCR)	County	Location ID	Assessment Location Category	Easting	Northing	Type of Water Crossing / Construction Activity	Approximate Construction Depth (Excavation / Drilling) Depth Relative to Ground Level) mBGL	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
414	IPP Connection Route	Clare	10025	IPP 25m intervals	554231.54	668020.46	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Rock near surface or karst (X)	<1m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Likely	NA	7713.92	No	No	No	No	No		ELEVATED RISK Excavation works could potentially encounter bedrock
415	IPP Connection Route	Clare	10050	IPP 25m intervals	554206.83	668016.65	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Extreme (E)	1 to 3m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Likely	NA	7722.27	No	No	No	No	No		ELEVATED RISK Excavation works could potentially encounter bedrock
416	IPP Connection Route	Clare	10075	IPP 25m intervals	554182.70	668019.44	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Extreme (E)	1 to 3m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Likely	NA	7724.12	No	No	No	No	No		ELEVATED RISK Excavation works could potentially encounter bedrock
417	IPP Connection Route	Clare	10100	IPP 25m intervals	554161.30	668030.70	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Extreme (E)	1 to 3m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Likely	NA	7717.19	No	No	No	No	No		ELEVATED RISK Excavation works could potentially encounter bedrock
418	IPP Connection Route	Clare	10125	IPP 25m intervals	554145.42	668050.01	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Extreme (E)	1 to 3m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Likely	NA	7701.35	No	No	No	No	No		ELEVATED RISK Excavation works could potentially encounter bedrock
419	IPP Connection Route	Clare	10150	IPP 25m intervals	554129.36	668069.17	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Extreme (E)	1 to 3m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Likely	NA	7685.75	No	No	No	No	No		ELEVATED RISK Excavation works could potentially encounter bedrock
420	IPP Connection Route	Clare	10175	IPP 25m intervals	554111.94	668087.06	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Extreme (E)	1 to 3m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Likely	NA	7671.72	No	No	No	No	No		ELEVATED RISK Excavation works could potentially encounter bedrock
421	IPP Connection Route	Clare	10200	IPP 25m intervals	554095.82	668105.90	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Extreme (E)	1 to 3m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Likely	NA	7656.54	No	No	No	No	No		ELEVATED RISK Excavation works could potentially encounter bedrock
422	IPP Connection Route	Clare	10225	IPP 25m intervals	554082.92	668127.30	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Rock near surface or karst (X)	<1m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Likely	NA	7638.25	No	No	No	No	No		ELEVATED RISK Excavation works could potentially encounter bedrock
423	IPP Connection Route	Clare	10250	IPP 25m intervals	554073.02	668149.97	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Rock near surface or karst (X)	<1m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Likely	NA	7618.12	No	No	No	No	No		ELEVATED RISK Excavation works could potentially encounter bedrock
424	IPP Connection Route	Clare	10275	IPP 25m intervals	554070.76	668174.86	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Rock near surface or karst (X)	<1m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Likely	NA	7594.24	No	No	No	No	No		ELEVATED RISK Excavation works could potentially encounter bedrock
425	IPP Connection Route	Clare	10300	IPP 25m intervals	554058.65	668196.56	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Extreme (E)	1 to 3m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Likely	NA	7575.58	No	No	No	No	No		ELEVATED RISK Excavation works could potentially encounter bedrock
426	IPP Connection Route	Clare	10325	IPP 25m intervals	554045.83	668218.02	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Extreme (E)	1 to 3m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Likely	NA	7557.32	No	No	No	No	No		ELEVATED RISK Excavation works could potentially encounter bedrock
427	IPP Connection Route	Clare	10350	IPP 25m intervals	554033.02	668239.49	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Extreme (E)	1 to 3m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Likely	NA	7539.11	No	No	No	No	No		ELEVATED RISK Excavation works could potentially encounter bedrock
428	IPP Connection Route	Clare	10375	IPP 25m intervals	554020.20	668260.95	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Extreme (E)	1 to 3m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Likely	NA	7520.93	No	No	No	No	No		ELEVATED RISK Excavation works could potentially encounter bedrock
429	IPP Connection Route	Clare	10400	IPP 25m intervals	554007.39	668282.42	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Rock near surface or karst (X)	<1m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Likely	NA	7502.80	No	No	No	No	No		ELEVATED RISK Excavation works could potentially encounter bedrock
430	IPP Connection Route	Clare	10425	IPP 25m intervals	553994.57	668303.89	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Extreme (E)	1 to 3m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Likely	NA	7484.70	No	No	No	No	No		ELEVATED RISK Excavation works could potentially encounter bedrock
431	IPP Connection Route	Clare	10450	IPP 25m intervals	554002.67	668323.83	Shallow Excavation	1.2	No	NA	BLACKWATER (CLARE)_010	Shannon(Lower)_SC_100	Extreme (E)	1 to 3m	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Likely	NA	7463.45	No	No	No	No	No		ELEVATED RISK Excavation works could potentially encounter bedrock