Appendix 10.2-Baseline Database - Grid Connections Route (GCR) Oatfield WF, Co. Clare

Project Ref. 604569
Prepared by: Cca / DW
Date: 17/11/2023



File Ref: 604569-Geo-R03-App10.2-(00)-Base		Grid Coordinates															
GCR	Assessment Location	(ITM)	Constru	ction Details		Surface Water				Groundwater / Bedroc	k Aquifer		Groundwater / Wells / Abstraction	D	esignated Areas		Assessment Graphics / Comment
				Approximate					Potential		Excavation in or						
	Assessment		Type of Water Crossing /	Construction	Receptor Category				Depth to Bedrock (a		near Bedrock (In line with GSI		GW Abstractio Groundwater Source				
Row Grid Connection No. Route (GCR) County	Location Location ID Category	Easting Northing	Construction Activity	Depth (Excavation / Drilling) Depth Relative to Ground Level)	SW 50m (Mapped river = EPA / WFD mapped)	River basins	Subcatchments	Aquifer Vulnerability	To GSI categories		mapped Aquifer	Distance to Karst Feature			SPA 50m Within S		Comments & MITIGATION MEASURES
January Goding		ITM ITM		mbGL	50m				301103	, , , , , , , , , , , , , , , , , , , ,	Tan or Zonii bullol		250m		J. A. I		
										(PI) Poor Aquifer - Bedrock which is Generally							ELEVATED RISK
1 Grid Connection Route Clare	0 GCR 25m intervals		Shallow Excavation	1.2	NA NA		Shannon[Lower]_SC_100	Extreme (E)	1 - 3m	Unproductive except for Local Zones (PI) Poor Aquifer - Bedrock which is Generally	Likely NA	7004.46	No No	No	No No		Excavation works could potentially encounter bedrock ELEVATED RISK
2 Grid Connection Route Clare	25 GCR 25m intervals		Shallow Excavation Shallow Excavation	1.2	NA NA		Shannon[Lower]_SC_100	Extreme (E)	1 - 3m	Unproductive except for Local Zones (PI) Poor Aquifer - Bedrock which is Generally	Likely NA	7005.44	No No	No	No No		Excavation works could potentially encounter bedrock ELEVATED RISK Excavation works could potentially encounter bedrock
3 Grid Connection Route Clare 4 Grid Connection Route Clare	50 GCR 25m intervals 75 GCR 25m intervals		Shallow Excavation Shallow Excavation	1.2	NA NA		Shannon[Lower]_SC_100 Shannon[Lower]_SC_100	Extreme (E)	1 - 3m	Unproductive except for Local Zones (PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	Likely NA	7018.33	NO INO	No	No No		Excavation works could potentially encounter bedrock ELEVATED RISK Excavation works could potentially encounter bedrock
5 Grid Connection Route Clare	100 GCR 25m intervals		Shallow Excavation	1.2	NA NA		Shannon[Lower]_SC_100	Rock near surface or karst (X)	<1m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	Likely NA	7048.64	No No	No	No No		ELEVATED RISK Excavation works could potentially encounter bedrock
6 Grid Connection Route Clare	125 GCR 25m intervals	555457.42 664995.15	Shallow Excavation	1.2	NA NA		Shannon[Lower]_SC_100	Rock near surface or karst (X)	<1m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	Likely NA	7069.50	No No	No	No No		ELEVATED RISK Excavation works could potentially encounter bedrock
7 Grid Connection Route Clare	150 GCR 25m intervals	555440.09 665013.06	Shallow Excavation	1.2	NA 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	Likely	7092.71	No No	No	No No		ELEVATED RISK Excavation works could potentially encounter bedrock
8 Grid Connection Route Clare	175 GCR 25m intervals	555419.88 665027.78	Shallow Excavation	1.2	NA 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	Likely NA	7117.22	No No	No	No No		ELEVATED RISK Excavation works could potentially encounter bedrock ELEVATED RISK
9 Grid Connection Route Clare	200 GCR 25m intervals	555399.90 665042.80	Shallow Excavation	1.2	NA NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Rock near surface or karst (X) Rock near surface or	<1m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones (PI) Poor Aquifer - Bedrock which is Generally	Likely NA	7141.65	No No	No	No No		Excavation works could potentially encounter bedrock ELEVATED RISK
10 Grid Connection Route Clare	225 GCR 25m intervals	555377.69 665054.10	Shallow Excavation	1.2	NA NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	karst (X) Rock near surface or	<1m	Unproductive except for Local Zones (PI) Poor Aquifer - Bedrock which is Generally	Likely NA	7166.55 I	No No	No	No No		Excavation works could potentially encounter bedrock ELEVATED RISK
11 Grid Connection Route Clare	250 GCR 25m intervals		Shallow Excavation	1.2	NA NA	BLACKWATER (CLARE)_010		karst (X) Rock near surface or	<1m	Unproductive except for Local Zones (PI) Poor Aquifer - Bedrock which is Generally	Likely NA	7190.45 I		No	No No		Excavation works could potentially encounter bedrock ELEVATED RISK
12 Grid Connection Route Clare	275 GCR 25m intervals		Shallow Excavation	1.2	NA NA	BLACKWATER (CLARE)_010		Rock near surface or	<1m	Unproductive except for Local Zones (PI) Poor Aquifer - Bedrock which is Generally	Likely NA	7207.37		No	No No		Excavation works could potentially encounter bedrock ELEVATED RISK
13 Grid Connection Route Clare14 Grid Connection Route Clare	300 GCR 25m intervals 325 GCR 25m intervals		Shallow Excavation Shallow Excavation	1.2	NA NA	BLACKWATER (CLARE)_010		Rock near surface or	<1m	Unproductive except for Local Zones (PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	Likely NA	7219.17 I		No	No No		Excavation works could potentially encounter bedrock ELEVATED RISK Excavation works could potentially encounter bedrock
15 Grid Connection Route Clare	350 GCR 25m intervals		Shallow Excavation	1.2	NA NA	BLACKWATER (CLARE)_010 BLACKWATER (CLARE)_010		Rock near surface or karst (X)	<1m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	Likely	7260.75	No No	No	No No		ELEVATED RISK Excavation works could potentially encounter bedrock
16 Grid Connection Route Clare	375 GCR 25m intervals		Shallow Excavation	1.2	NA NA	BLACKWATER (CLARE)_010		Rock near surface or karst (X)	<1m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	Likely NA	7284.48	No No	No	No No		ELEVATED RISK Excavation works could potentially encounter bedrock
17 Grid Connection Route Clare	400 GCR 25m intervals		Shallow Excavation	1.2	NA NA	BLACKWATER (CLARE)_010		Rock near surface or karst (X)	<1m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones	Likely NA	7306.08	No No	No	No No		ELEVATED RISK Excavation works could potentially encounter bedrock
18 Grid Connection Route Clare	425 GCR 25m intervals	555248.51 665159.12	Shallow Excavation	1.2	NA 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	Likely NA	7327.92	No No	No	No No		ELEVATED RISK Excavation works could potentially encounter bedrock ELEVATED RISK
19 Grid Connection Route Clare	450 GCR 25m intervals	555228.46 665172.67	Shallow Excavation	1.2	NA NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Rock near surface or karst (X) Rock near surface or	<1m	(PI) Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones (PI) Poor Aquifer - Bedrock which is Generally	Likely	7351.83	No No	No	No No		ELEVATED RISK Excavation works could potentially encounter bedrock ELEVATED RISK
20 Grid Connection Route Clare	475 GCR 25m intervals	555209.86 665189.34	Shallow Excavation	1.2	NA NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	karst (X) Rock near surface or	<1m	Unproductive except for Local Zones (PI) Poor Aquifer - Bedrock which is Generally	Likely NA	7375.74	No No	No	No No		Excavation works could potentially encounter bedrock ELEVATED RISK
21 Grid Connection Route Clare	500 GCR 25m intervals		Shallow Excavation	1.2	NA NA	BLACKWATER (CLARE)_010		karst (X)	<1m	Unproductive except for Local Zones (PI) Poor Aquifer - Bedrock which is Generally	Likely NA	7398.91	No No	No	No No		Excavation works could potentially encounter bedrock ELEVATED RISK
22 Grid Connection Route Clare 23 Grid Connection Route Clare	525 GCR 25m intervals		Shallow Excavation	1.2	NA NA		Shannon[Lower]_SC_100	Extreme (E)	1 - 3m	Unproductive except for Local Zones (PI) Poor Aquifer - Bedrock which is Generally	Not likely NA	7422.02 I	No No	No	No No		Excavation works could potentially encounter bedrock
23 Grid Connection Route Clare 24 Grid Connection Route Clare	550 GCR 25m intervals 575 GCR 25m intervals	555159.77 665245.14 555143.72 665264.31	Shallow Excavation Shallow Excavation	1.2	Ves BLACKWATER (CLARE) 010	BLACKWATER (CLARE)_010 BLACKWATER (CLARE)_010		Moderate (M)	5 to 10m	Unproductive except for Local Zones (LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely NA	7444.83		No	No No		ELEVATED RISK Works will be carried out within SW Buffer Zone
25 Grid Connection Route Clare		555126.61 665282.49		1.2		BLACKWATER (CLARE)_010			5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones		7490.81		No	No No		ELEVATED RISK Works will be carried out within SW Buffer Zone
26 Grid Connection Route Clare	625 GCR 25m intervals			1.2		BLACKWATER (CLARE)_010			5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones		7513.30		No	No No		ELEVATED RISK Works will be carried out within SW Buffer Zone
27 Grid Connection Route Clare	Crossing No. 11	555101.17 665328.74	Horizontal Directional Drilling		Yes BLACKWATER (CLARE)_010	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	7513.30	No No	No	No No		ELEVATED RISK Works will be carried out within SW Buffer Zone
28 Grid Connection Route Clare	650 GCR 25m intervals	555101.34 665324.28	Shallow Excavation	1.2	Yes BLACKWATER (CLARE)_010	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones (LI) Locally Important Aquifer - Bedrock which is	Not likely NA	7531.64	No No	No	No No		ELEVATED RISK Works will be carried out within SW Buffer Zone ELEVATED RISK
29 Grid Connection Route Clare	675 GCR 25m intervals	555098.75 665349.05	Shallow Excavation	1.2	Yes BLACKWATER (CLARE)_010	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones (LI) Locally Important Aquifer - Bedrock which is	Not likely NA	7544.75	No No	No	No No		Works will be carried out within SW Buffer Zone ELEVATED RISK
30 Grid Connection Route Clare	700 GCR 25m intervals	555090.60 665372.37	Shallow Excavation	1.2	Yes BLACKWATER (CLARE)_010	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	Moderately Productive only in Local Zones (LI) Locally Important Aquifer - Bedrock which is	Not likely NA	7562.26	No No	No	No No		Works will be carried out within SW Buffer Zone ELEVATED RISK
31 Grid Connection Route Clare	725 GCR 25m intervals		Shallow Excavation	1.2	Yes BLACKWATER (CLARE)_010			Low (L)	>10m	Moderately Productive only in Local Zones (LI) Locally Important Aquifer - Bedrock which is	Not likely NA	7583.09		No	No No		Works will be carried out within SW Buffer Zone
32 Grid Connection Route Clare 33 Grid Connection Route Clare	750 GCR 25m intervals 775 GCR 25m intervals		Shallow Excavation Shallow Excavation	1.2	NA NA	BLACKWATER (CLARE)_010 BLACKWATER (CLARE)_010		Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is	Not likely NA Not likely NA	7604.33 I		No	No No		NA NA
34 Grid Connection Route Clare	800 GCR 25m intervals		Shallow Excavation	1.2	NA NA	BLACKWATER (CLARE)_010		Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely NA	7648.53		No	No No		NA
35 Grid Connection Route Clare	Joint Bay 1	555030.17 665458.10	Joint Bay	2	NA NA	BLACKWATER (CLARE)_010		Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones (LI) Locally Important Aquifer - Bedrock which is	Not likely NA	7648.53 I	No No	No	No No		NA
36 Grid Connection Route Clare	825 GCR 25m intervals	555019.79 665475.15	Shallow Excavation	1.2	NA NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	Moderately Productive only in Local Zones (LI) Locally Important Aquifer - Bedrock which is	Not likely NA	7671.18	No No	No	No No		NA
37 Grid Connection Route Clare	850 GCR 25m intervals		Shallow Excavation	1.2	NA NA	BLACKWATER (CLARE)_010		Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is	Not likely NA	7694.13		No	No No		NA
38 Grid Connection Route Clare 39 Grid Connection Route Clare	875 GCR 25m intervals 900 GCR 25m intervals	554986.67 665512.57 554970.39 665531.52	Shallow Excavation Shallow Excavation	1.2	NA NA	BLACKWATER (CLARE)_010 BLACKWATER (CLARE)_010		Low (L)	>10m >10m	Moderately Productive only in Local Zones (LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely NA Not likely NA	7717.52 7740.57		No No	No No		NA NA
40 Grid Connection Route Clare	925 GCR 25m intervals		Shallow Excavation	1.2	NA NA		Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely NA	7763.29		No	No No		NA
41 Grid Connection Route Clare	950 GCR 25m intervals	554941.68 665572.23	Shallow Excavation	1.2	NA NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones (LI) Locally Important Aquifer - Bedrock which is	Not likely NA	7784.52	No No	No	No No		NA
42 Grid Connection Route Clare	975 GCR 25m intervals	554930.76 665594.68	Shallow Excavation	1.2	NA NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m		Not likely NA	7804.41	No No	No	No No		NA
43 Grid Connection Route Clare	1000 GCR 25m intervals		Shallow Excavation	1.2	NA NA	BLACKWATER (CLARE)_010		Low (L)	>10m	Moderately Productive only in Local Zones (LI) Locally Important Aquifer - Bedrock which is	Not likely NA	7823.22		No	No No		NA
44 Grid Connection Route Clare 45 Grid Connection Route Clare	1025 GCR 25m intervals 1050 GCR 25m intervals		Shallow Excavation Shallow Excavation	1.2	NA NA	BLACKWATER (CLARE)_010 BLACKWATER (CLARE)_010		Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is	Not likely NA Not likely NA	7840.92 7858.32		No	No No		NA
46 Grid Connection Route Clare	1075 GCR 25m intervals		Shallow Excavation	1.2	NA NA	BLACKWATER (CLARE)_010		Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely NA	7874.05		No	No No		NA
47 Grid Connection Route Clare	1100 GCR 25m intervals	554903.14 665714.20	Shallow Excavation	1.2	NA NA	BLACKWATER (CLARE)_010		Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones (LI) Locally Important Aquifer - Bedrock which is	Not likely NA	7883.71	No No	No	No No		NA
48 Grid Connection Route Clare	1125 GCR 25m intervals		Shallow Excavation	1.2	NA NA	BLACKWATER (CLARE)_010		Low (L)	>10m	Moderately Productive only in Local Zones (LI) Locally Important Aquifer - Bedrock which is	Not likely NA	7894.99		No	No No		NA
49 Grid Connection Route Clare 50 Grid Connection Route Clare	1150 GCR 25m intervals		Shallow Excavation Shallow Excavation	1.2	NA NA	BLACKWATER (CLARE)_010		Low (L)	>10m	Moderately Productive only in Local Zones (LI) Locally Important Aquifer - Bedrock which is	Not likely NA	7914.45 I		No	No No		NA NA
50 Grid Connection Route Clare 51 Grid Connection Route Clare	1175 GCR 25m intervals 1200 GCR 25m intervals		Shallow Excavation Shallow Excavation	1.2	NA NA	BLACKWATER (CLARE)_010 BLACKWATER (CLARE)_010		Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is	Not likely NA Not likely NA	7935.47 7956.72		No	No No		NA
52 Grid Connection Route Clare	1225 GCR 25m intervals		Shallow Excavation	1.2	NA NA	BLACKWATER (CLARE)_010		Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely NA	7978.97		No	No No		NA
53 Grid Connection Route Clare	1250 GCR 25m intervals	554843.05 665847.82	Shallow Excavation	1.2	NA NA	BLACKWATER (CLARE)_010		Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones (LI) Locally Important Aquifer - Bedrock which is	Not likely NA	7999.39	No No	No	No No		NA
54 Grid Connection Route Clare	1275 GCR 25m intervals		Shallow Excavation	1.2	NA NA	BLACKWATER (CLARE)_010		Low (L)	>10m	Moderately Productive only in Local Zones (LI) Locally Important Aquifer - Bedrock which is	Not likely NA	8019.95		No	No No		NA
55 Grid Connection Route Clare	1300 GCR 25m intervals		Shallow Excavation	1.2	NA NA	BLACKWATER (CLARE)_010		Low (L)	>10m	Moderately Productive only in Local Zones (LI) Locally Important Aquifer - Bedrock which is	Not likely NA	8040.54		No	No No		NA NA
56 Grid Connection Route Clare57 Grid Connection Route Clare	1325 GCR 25m intervals 1350 GCR 25m intervals		Shallow Excavation Shallow Excavation	1.2	NA NA	BLACKWATER (CLARE)_010 BLACKWATER (CLARE)_010		Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is	Not likely NA Not likely NA	8061.08 I 8081.56 I		No	No No		NA
58 Grid Connection Route Clare	1375 GCR 25m intervals		Shallow Excavation	1.2	NA NA	BLACKWATER (CLARE)_010		Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely NA	8101.70		No	No No		NA
59 Grid Connection Route Clare	1400 GCR 25m intervals	554778.06 665982.89	Shallow Excavation	1.2	NA NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones (LI) Locally Important Aquifer - Bedrock which is	Not likely NA	8121.06	No No	No	No No		NA
60 Grid Connection Route Clare	1425 GCR 25m intervals		Shallow Excavation	1.2	NA NA	BLACKWATER (CLARE)_010		Low (L)	>10m	Moderately Productive only in Local Zones (LI) Locally Important Aquifer - Bedrock which is	Not likely NA	8139.52		No	No No		NA
61 Grid Connection Route Clare	1450 GCR 25m intervals		Shallow Excavation	1.2	NA NA	BLACKWATER (CLARE)_010		Low (L)	>10m	Moderately Productive only in Local Zones (LI) Locally Important Aquifer - Bedrock which is	Not likely NA	8158.01 I		No	No No		NA
62 Grid Connection Route Clare 63 Grid Connection Route Clare	Joint Bay 2 1475 GCR 25m intervals	554747.67 666063.84 554754.08 666053.95	Joint Bay Shallow Excavation	1.2	NA NA	BLACKWATER (CLARE)_010 BLACKWATER (CLARE)_010		Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is	Not likely NA Not likely NA	8158.01 8176.54		No	No No		NA
64 Grid Connection Route Clare	1500 GCR 25m intervals		Shallow Excavation	1.2	NA NA	BLACKWATER (CLARE)_010 BLACKWATER (CLARE)_010		Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely NA	8176.54		No	No No		NA
65 Grid Connection Route Clare	1525 GCR 25m intervals		Shallow Excavation	1.2	NA NA	BLACKWATER (CLARE)_010		Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely NA	8212.61		No	No No		NA
66 Grid Connection Route Clare	1550 GCR 25m intervals	554731.89 666125.56	Shallow Excavation	1.2	NA NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones (LI) Locally Important Aquifer - Bedrock which is	Not likely NA	8231.04	No No	No	No No		NA
67 Grid Connection Route Clare	1575 GCR 25m intervals		Shallow Excavation	1.2	NA NA	BLACKWATER (CLARE)_010		Low (L)	>10m	Moderately Productive only in Local Zones (LI) Locally Important Aquifer - Bedrock which is	Not likely NA	8250.33		No	No No		NA
68 Grid Connection Route Clare 69 Grid Connection Route Clare	1600 GCR 25m intervals 1625 GCR 25m intervals		Shallow Excavation Shallow Excavation	1.2	NA NA	BLACKWATER (CLARE)_010 BLACKWATER (CLARE)_010		Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is	Not likely NA Not likely NA	8273.86 I 8298.16 I		No No	No No		NA
70 Grid Connection Route Clare	1650 GCR 25m intervals		Shallow Excavation	1.2	NA NA	BLACKWATER (CLARE)_010 BLACKWATER (CLARE)_010		Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is	Not likely NA	8323.03		No	No No		NA
RSK Ireland									604569 Oa	Datfield Grid Connections Database						. ———	Page 1

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Project Ref. 604569
Prepared by: Cca / DW
Date: 17/11/2023
File Ref: 604569-Geo-R03-App10.2-(00)-Baseline Database - Grid Connections Route

GCR Assessm	ent Location		ordinates 「M)	Construct	ion Details			Surface Water				Groundwater / Bedro	ck Aquifer		Groundwate	ater / Wells / Abstraction	D	Designated Area	as		Assessment Graphics / Comment	
Grid Connection Route (GCR) County Location	Assessment Location D Category	Easting		Type of Water Crossing / Construction Activity	Approximate Construction Depth (Excavation of Drilling) Depth Relative to Ground Level) mbGL	SW 50m Buffer 50m	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)	Distance to Kar Karst 25m buffer Feature				SPA 50m Buffer	Within SAC / SPA / NHA ?	lap Tile Number	Comments & MITIGATION MEASURES	
rid Connection Route Clare 1	75 GCR 25m intervals	554648.15	666214.30	Shallow Excavation	1.2	NA	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Low (L)	>10m		Not likely	NA 8347	77 No	No No)	No	No		NA	
	GCR 25m intervals	554629.48		Shallow Excavation	1.2	NA	NA	BLACKWATER (CLARE)_010		Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is	Not likely	NA 8372		No No)	No	No		NA	
	25 GCR 25m intervals 50 GCR 25m intervals	554613.29 554599.62		Shallow Excavation Shallow Excavation	1.2	NA NA	NA NA	BLACKWATER (CLARE)_010 BLACKWATER (CLARE)_010		Low (L)	>10m >10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely Not likely	NA 8395 NA 8417		No No)	No No	No No		NA NA	
	75 GCR 25m intervals	554585.94		Shallow Excavation	1.2	NA	NA	BLACKWATER (CLARE)_010		Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is	Not likely	NA 8440		No No)	No	No		NA	
	00 GCR 25m intervals 25 GCR 25m intervals	554572.27 554564.63		Shallow Excavation Shallow Excavation	1.2	NA NA	NA NA	BLACKWATER (CLARE)_010 BLACKWATER (CLARE)_010		Low (L)	>10m >10m	Moderately Productive only in Local Zones (LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely Not likely	NA 8462 NA 8481		No No)	No No	No No		NA NA	
Connection Route Clare 1	50 GCR 25m intervals	554565.50	666360.38	Shallow Excavation	1.2	NA	NA		Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones (LI) Locally Important Aquifer - Bedrock which is		NA 8492	58 No	No No)	No	No		NA	
	75 GCR 25m intervals 00 GCR 25m intervals	554574.11 554583.00		Shallow Excavation Shallow Excavation	1.2	NA NA	NA NA	BLACKWATER (CLARE)_010 BLACKWATER (CLARE)_010		Low (L)	>10m >10m	Moderately Productive only in Local Zones (LI) Locally Important Aquifer - Bedrock which is	Not likely	NA 8497 NA 8501		No No)	No No	No No		NA NA	
Connection Route Clare 1	25 GCR 25m intervals	554593.52	666429.71	Shallow Excavation	1.2	NA	NA	BLACKWATER (CLARE)_010		Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones (LI) Locally Important Aquifer - Bedrock which is	Not likely	NA 8503	84 No	No No)	No	No		NA	
	50 GCR 25m intervals 75 GCR 25m intervals			Shallow Excavation Shallow Excavation	1.2	NA NA	NA NA	BLACKWATER (CLARE)_010 BLACKWATER (CLARE)_010		Low (L)	>10m		Not likely	NA 8502 NA 8501	30 No 85 No	No No)	No No	No No		NA NA	
	00 GCR 25m intervals			Shallow Excavation	1.2	NA	NA	BLACKWATER (CLARE)_010		Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones (LI) Locally Important Aquifer - Bedrock which is	Not likely		98 No	No No)	No	No		NA	
	25 GCR 25m intervals 50 GCR 25m intervals			Shallow Excavation Shallow Excavation	1.2	NA NA	NA NA	BLACKWATER (CLARE)_010 BLACKWATER (CLARE)_010		Low (L)	>10m	Moderately Productive only in Local Zones (LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA 8519 NA 8536		No No)	No	No		NA NA	
	75 GCR 25m intervals			Shallow Excavation	1.2	NA	NA	BLACKWATER (CLARE)_010		Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely		92 No	No No)	No	No		NA NA	
	00 GCR 25m intervals			Shallow Excavation	1.2	NA NA	NA	BLACKWATER (CLARE)_010		Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones (LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA 8569		No No)	No	No		NA NA	
	25 GCR 25m intervals 50 GCR 25m intervals	554611.59 554607.28		Shallow Excavation Shallow Excavation	1.2	NA NA	NA NA	BLACKWATER (CLARE)_010 BLACKWATER (CLARE)_010		Low (L)	>10m >10m	Moderately Productive only in Local Zones (LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA 8586 NA 8603	04 No	No No)	No	No		NA NA	
	75 GCR 25m intervals			Shallow Excavation	1.2	NA	NA	BLACKWATER (CLARE)_010		Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones (LI) Locally Important Aquifer - Bedrock which is	Not likely		82 No	No No)	No	No		NA	
Connection Route Clare Connection Route Clare 2	Joint Bay 3 OO GCR 25m intervals	554599.48 554598.64		Joint Bay Shallow Excavation	1.2	NA NA	NA NA	BLACKWATER (CLARE)_010 BLACKWATER (CLARE)_010		Low (L)	>10m >10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA 8619 NA 8636		No No)	No No	No No		NA NA	
Connection Route Clare 2	25 GCR 25m intervals	554594.33	666715.64	Shallow Excavation	1.2	NA	NA	BLACKWATER (CLARE)_010		Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones (LI) Locally Important Aquifer - Bedrock which is	Not likely	NA 8653	51 No	No No)	No	No		NA	
Connection Route Clare 2 Connection Route Clare 2	50 GCR 25m intervals 75 GCR 25m intervals			Shallow Excavation Shallow Excavation	1.2	NA NA	NA NA		Shannon[Lower]_SC_100 Shannon[Lower]_SC_100	Low (L)	>10m	Moderately Productive only in Local Zones (LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA 8670 NA 8687	42 No 36 No	No No)	No No	No No		NA NA	
	00 GCR 25m intervals			Shallow Excavation	1.2	NA	NA	BLACKWATER (CLARE)_010		Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is	Not likely		34 No	No No)	No	No		NA	
	25 GCR 25m intervals 50 GCR 25m intervals			Shallow Excavation Shallow Excavation	1.2	NA NA	NA NA	BLACKWATER (CLARE)_010 BLACKWATER (CLARE)_010		Low (L)	>10m	Moderately Productive only in Local Zones (LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA 8721 NA 8744		No No)	No No	No		NA NA	
	75 GCR 25m intervals			Shallow Excavation	1.2	NA	NA		Shannon[Lower]_SC_100	Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones (LI) Locally Important Aquifer - Bedrock which is	Not likely	NA 8769		No No)	No	No		NA NA	
	00 GCR 25m intervals			Shallow Excavation	1.2	NA	NA NA	BLACKWATER (CLARE)_010		Low (L)	>10m	Moderately Productive only in Local Zones (LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA 8794		No No)	No	No		NA NA	
	25 GCR 25m intervals 50 GCR 25m intervals			Shallow Excavation Shallow Excavation	1.2	NA NA	NA NA	BLACKWATER (CLARE)_010 BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100 Shannon[Lower]_SC_100	Low (L)	>10m >10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA 8791 NA 8767		No No)	No	No		NA NA	
	75 GCR 25m intervals			Shallow Excavation	1.2	NA	NA	BLACKWATER (CLARE)_010		Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is	Not likely	NA 8752		No No)	No	No		NA	
	00 GCR 25m intervals 25 GCR 25m intervals			Shallow Excavation Shallow Excavation	1.2	NA NA	NA NA	BLACKWATER (CLARE)_010 BLACKWATER (CLARE)_010		Low (L)	>10m >10m	Moderately Productive only in Local Zones (LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely	NA 8737 NA 8722	42 No 58 No	No No)	No No	No		NA NA	
	50 GCR 25m intervals			Shallow Excavation	1.2	NA	NA	BLACKWATER (CLARE)_010		Low (L)	>10m	(LI) Locally Important Aquifer - Bedrock which is	Not likely	NA 8707		No No)	No	No		NA	
	75 GCR 25m intervals 00 GCR 25m intervals			Shallow Excavation Shallow Excavation	1.2	NA NA	NA NA	BLACKWATER (CLARE)_010 BLACKWATER (CLARE)_010		Low (L)	>10m >10m	Moderately Productive only in Local Zones (LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely		04 No 34 No	No No)	No No	No No		NA NA	
Connection Route Clare 2	25 GCR 25m intervals	554394.79	667030.30	Shallow Excavation	1.2	NA	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(LI) Locally Important Aquifer - Bedrock which is	Not likely	NA 8663	68 No	No No)	No	No		NA	
	50 GCR 25m intervals 75 GCR 25m intervals			Shallow Excavation Shallow Excavation	1.2	NA NA	NA NA	BLACKWATER (CLARE)_010 BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100 Shannon[Lower]_SC_100	Moderate (M) Moderate (M)	5 to 10m	Moderately Productive only in Local Zones (LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	5 · · · · · · · · · · · · · · · · · · ·	NA 8649 NA 8634	08 No 52 No	No No)	No No	No No		NA NA	
Connection Route Clare 2	00 GCR 25m intervals	554341.03	667082.59	Shallow Excavation	1.2	NA	NA	BLACKWATER (CLARE)_010		High (H)	3 to 5m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones (LI) Locally Important Aquifer - Bedrock which is	Not likely	NA 8620	01 No	No No)	No	No		NA	
	GCR 25m intervals 50 GCR 25m intervals	554323.12		Shallow Excavation Shallow Excavation	1.2	NA Yes	NA PLACKWATER (CLARE) 010	BLACKWATER (CLARE)_010		High (H)	3 to 5m	Moderately Productive only in Local Zones (LI) Locally Important Aquifer - Bedrock which is	Not likely Not likely	NA 8605 NA 8592		No No)	No	No		NA ELEVATED RISK Works will be carried out within SW Buffer Zone	
Connection Route Clare 2	50 GCR 25III IIItervais	334304.01	007110.14	SHAIIOW EXCAVALION	1.2	Tes	BLACKWATER (CLARE)_010	BLACKWATER (CLARE)_010	Sharifor[Lower]_SC_100	nigii (n)	3 to 3111		,	NA 6392	02 NO	NO NO)	INO	INO		ELEVATED RISK Excavation works could potentially encounter bedroo	
Connection Route Clare 2	75 GCR 25m intervals	554284.73	667132.06	Shallow Excavation	1.2	Yes	BLACKWATER (CLARE)_010	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 - 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Likely	NA 8579	97 Yes	No No)	No	No		Works will be carried out within SW Buffer Zone Works will be carried out within GW Buffer Zone ELEVATED RISK	
Connection Route Clare 2	00 GCR 25m intervals	554265 46	667147 98	Shallow Excavation	1.2	Yes	BLACKWATER (CLARE) 010	BLACKWATER (CLARE)_010	Shannon[Lower] SC 100	Extreme (E)	1 - 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Likely	NA 8567	37 Yes	No.		No	No		Excavation works could potentially encounter bedroom Works will be carried out within SW Buffer Zone Works will be carried out within GW Buffer Zone	
2.5.0		33.200.70	55. TH 180	33.700011	112			(55 (115)_010	5[_56]_55_160					0307							ELEVATED RISK Excavation works could potentially encounter bedroo Works will be carried out within SW Buffer Zone	
Connection Route Clare 2	25 GCR 25m intervals	554246.18	667163.90	Shallow Excavation	1.2	Yes	BLACKWATER (CLARE)_010	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 - 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Likely	NA 8554	83 Yes	No No)	No	No		Works will be carried out within GW Buffer Zone ELEVATED RISK	
Connection Route Clare 2	50 GCR 25m intervals	554227.85	667180.70	Shallow Excavation	1.2	Yes	BLACKWATER (CLARE)_010	BLACKWATER (CLARE) 010	Shannon[Lower] SC 100	Extreme (E)	1 - 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Likely	NA 8541	31 Yes	No No)	No	No		Excavation works could potentially encounter bedroom Works will be carried out within SW Buffer Zone Works will be carried out within GW Buffer Zone	
								, ,=													ELEVATED RISK Excavation works could potentially encounter bedroom works will be carried out within SW Buffer Zone	
connection Route Clare	Joint Bay 4	554210.77	667199.72	Joint Bay	2	Yes	BLACKWATER (CLARE)_010	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Extreme (E)	1 - 3m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Likely	NA 8541	31 Yes	No No)	No	No		Works will be carried out within GW Buffer Zone ELEVATED RISK	
Connection Route Clare 2	75 GCR 25m intervals	554213.40	667201.07	Shallow Excavation	1.2	Yes	BLACKWATER (CLARE)_010	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	Likely	NA 8523	67 Yes	No No)	No	No		Excavation works could potentially encounter bedroom Works will be carried out within SW Buffer Zone Works will be carried out within GW Buffer Zone	
										Rock near surface or		(LI) Locally Important Aquifer - Bedrock which is									ELEVATED RISK Excavation works could potentially encounter bedroom Works will be carried out within SW Buffer Zone	
Connection Route Clare 2	00 GCR 25m intervals	554213.02	667225.33	Shallow Excavation	1.2	Yes	BLACKWATER (CLARE)_010	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	karst (X)	<1m	Moderately Productive only in Local Zones	Likely	NA 8499	82 Yes	No No)	No	No		Works will be carried out within GW Buffer Zone ELEVATED RISK	
Connection Route Clare	Crossing No. 2	554211.29	667227.82	Horizontal Directional Drilling		Yes	BLACKWATER (CLARE)_010	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	Likely	NA 8499	82 <mark>Yes</mark>	No No)	No	No		Excavation works could potentially encounter bedroc Works will be carried out within SW Buffer Zone Works will be carried out within GW Buffer Zone	
												(LI) Locally Important Aquifer - Bedrock which is									ELEVATED RISK Excavation works could potentially encounter bedroo Works will be carried out within SW Buffer Zone	
	25 GCR 25m intervals			Shallow Excavation	1.2	Yes	BLACKWATER (CLARE)_010	BLACKWATER (CLARE)_010		Extreme (E)	1 - 3m	Moderately Productive only in Local Zones (LI) Locally Important Aquifer - Bedrock which is	Likely	NA 8475		No No)	No	No		Works will be carried out within GW Buffer Zone ELEVATED RISK	
	50 GCR 25m intervals 75 GCR 25m intervals			Shallow Excavation Shallow Excavation	1.2	NA NA	NA	BLACKWATER (CLARE)_010 BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100 Shannon[Lower]_SC_100	High (H) Moderate (M)	3 to 5m 5 to 10m	Moderately Productive only in Local Zones (LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones	Not likely Not likely	NA 8450 NA 8425		No No)	No	No		Works will be carried out within GW Buffer Zone ELEVATED RISK Works will be carried out within GW Buffer Zone	
	00 GCR 25m intervals			Shallow Excavation	1.2	NA	NA	BLACKWATER (CLARE)_010		Moderate (M)	5 to 10m	(LI) Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones (LI) Locally Important Aquifer - Bedrock which is	Not likely	NA 8404		No No)	No	No		ELEVATED RISK Works will be carried out within GW Buffer Zone ELEVATED RISK	
Connection Route Clare 3	25 GCR 25m intervals	554206.47	667332.17	Shallow Excavation	1.2	NA	NA	BLACKWATER (CLARE)_010	Shannon[Lower]_SC_100	Moderate (M)	5 to 10m	Moderately Productive only in Local Zones	Not likely	NA 8395	67 Yes	No No)	No	No		Works will be carried out within GW Buffer Zone ELEVATED RISK	
Connection Route Clare 3	50 GCR 25m intervals	554188.99	667350.05	Shallow Excavation	1.2	Yes	BLACKWATER (CLARE)_010	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 8381	12 Yes	No No)	No	No		Works will be carried out within SW Buffer Zone Works will be carried out within GW Buffer Zone ELEVATED RISK	
Connection Route Clare 3	75 GCR 25m intervals	554169.74	667365.99	Shallow Excavation	1.2	Yes	BLACKWATER (CLARE) 010	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 8368	83 Yes	No No)	No	No		Works will be carried out within SW Buffer Zone Works will be carried out within GW Buffer Zone	

Appendix 10.2-Baseline Database - Grid Connections Route (GCR) Oatfield WF, Co. Clare

Project Ref. 604569

Prepared by: Cca / DW Date: 17/11/2023

