Tionscadal Soláthair Uisce
Water Supply Project

Environmental Impact Assessment Report (EIAR)

Volume 6 of 6: Appendices

(Appendix 10.15) Summary of Private Groundwater Supplies

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Irish Water

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Appendix A10.15
Domestic/Farm Wells and Springs

Id	Fid	Chainage	Type	x	y	Details	Jun-21 m bgl	July/August 21 m bgl	Well Survey August 2024 m bgl	June 2025	Farm use	Household	Distance to Treated Water Pipeline	Subsoils	Aquifer
34	1	TW-14000	Well	582525	677951	Spring, seepage at the base of a hill. peat soils below , possible gravels	2	2	1.9	Na	No	Yes	16	Sandstone and shale till	Locally important aquifer, which is Moderately Productive only in Local Zones.
4	2	TW-17100	Spring	583403	680672	Small/minor spring/seepage emerging in drains, flowing Northwest	1.2	1.3	1.4	Na	No	Yes	74	Limestone Tills	Locally important aquifer, which is Moderately Productive only in Local Zones.
14	3	TW-19300	Surface water	584733	682400	Surface water abstraction	NA	NA	NA	Na	Yes	No	95	Alluvial soils	Locally important aquifer, which is Moderately Productive only in Local Zones.
12	4	TW-20600	Bored well	585192	683417	Bore well supplying farm and house	6.5	7.1	7.2	5.5	Yes	Yes	101	Limestone Tills	Locally important aquifer, which is Moderately Productive only in Local Zones.
25	5	TW-20600	Bored well	585466	683317	Bore well supplying farm 30m well, located near house. No WQ or supply issues. Use for house and farm. 2.39m bgl in Nov 2020	2.67	4.3	NA	Na	No	Yes	123	Limestone Tills	Locally important aquifer, which is Moderately Productive only in Local Zones.

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7	6	TW-26500	Bored well	587863	687874	Borehole supply	2.39	8.3		Na	Yes	Yes	90	Limestone Tills	Locally important aquifer, which is Moderately Productive only in Local Zones.
71	7	TW-30000	well	591006	688670	Borehole Supply - Farm and house	9	9.7	>9	Na	Yes	Yes	222	Limestone Tills	Regionally Important Karstified Aquifer – Diffuse.
5	8	TW-33500	Spring	593979	689302	Spring	0.5	Dry	Dry	Na	Yes	No	95	Peat overlying Limestone Tills	Locally important aquifer, which is Moderately Productive only in Local Zones.
104	9	TW-36200	Farm well	596402	689992	Farm well	7.6	7.8	7.5	Na	Yes	No	381	Limestone Tills	Locally important aquifer, which is Moderately Productive only in Local Zones.
9	10	TWA-3000	Farm well	600072	690048	Farm well	6	6	6.1	Na	Yes	No	87	Limestone Tills	Locally important aquifer, which is Moderately Productive only in Local Zones.
8	11	TWA-3000	Farm well	600073	690015	Farm well	5.5	5.8	5.8	Na	Yes	No	98	Limestone Tills	Locally important aquifer, which is Moderately Productive only in Local Zones.

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Id	Fid	Chainage	Type	x	y	Details	Jun-21 m bgl	July/August 21 m bgl	Well Survey August 2024 m bgl	June 2025	Farm use	Household	Distance to Treated Water Pipeline	Subsoils	Aquifer
3	12	TWA-3000	Farm Pump	600129	690049	Farm Pump	NA	NA	NA	Na	Yes	No	127	Limestone Tills	Locally important aquifer, which is Moderately Productive only in Local Zones.
1	13	TWA-5000	Household supply	600854	691618	Household supply	3.5	4	3.4	Na	Yes	No	75	Limestone tills	Locally important aquifer, which is Moderately Productive only in Local Zones.
102	14	TWA-10900	Farm well - borehole	604749	695312	Farm well - borehole	4.5	4.6	4.2	Na	Yes	No	120	Limestone tills	Locally important aquifer, which is Moderately Productive only in Local Zones.
6	15	TWA-10900	Farm well	604755	695309	Farm well	2	2.3	2.4	Na		No	115	Limestone tills	Locally important aquifer, which is Moderately Productive only in Local Zones.
2	16	TWA-16500	Surface water pond	608662	697777	Surface water pond	Dry	Dry	Dry	Na		No	57	Alluvial/ Limestone tills	Locally important aquifer, which is Moderately Productive only in Local Zones.
16	17	TWB-7600	Bored well	619622	711164	Household supply	2.2	NA	3.1	Na	Yes	No	104	Limestone tills	Locally important aquifer, which is Moderately Productive only in Local Zones.

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Id	Fid	Chainage	Type	x	y	Details	Jun-21 m bgl	July/August 21 m bgl	Well Survey August 2024 m bgl	June 2025	Farm use	Household	Distance to Treated Water Pipeline	Subsoils	Aquifer
17	18	TWB-9000	Drainage ditch/Spring - farm supply	620994	711478	Spring - farm supply	2 (<1l/s)	Dry	2	Na		No	35	Limestone tills	Locally important aquifer, which is Moderately Productive only in Local Zones.
28	19	TWB-10000	Dug Well	621886	711932	5.3m in old concrete lined well	5.3	6	5.5	Na	Yes	No	308	Limestone tills	Locally important aquifer, which is Moderately Productive only in Local Zones.
21	20	TWB-10000	Spring	622059	711734	spring in side of drain, WL 0.28m below top ring, 1.8mbgl	0.28	0.5	NA	Na		No	91	Limestone tills	Locally important aquifer, which is Moderately Productive only in Local Zones.
29	21	TW-10700	Dug Well	622450	712055	well, stone lined with WL at 1.22m, >3m of water in well	1.22	1.3	2.1	Na	Yes	No	128	Limestone tills	Locally important aquifer, which is Moderately Productive only in Local Zones.
15	23	TWB-15300	Dug Well	625196	715352	well - concrete lined, located at end of slurry tanks. Large spring issuing to the south. WL1.2m	1.2	2.22	2.3	Na	Yes	No	93	Limestone tills	Locally important aquifer, which is Moderately Productive only in Local Zones.

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18	24	TWB-15400	Dug Well	625302	715427	concrete lined well, WL3.55m	3.55	4.5	Na	Na	Yes	Yes	74	Limestone tills	Locally important aquifer, which is Moderately Productive only in Local Zones.
44	25	TWB-18500	Bored well	628233	715601	Borehole well in field	2.5	2.5	Yes	Na	Yes	Yes	75	Limestone tills	Locally important aquifer, which is Moderately Productive only in Local Zones.
24	26	TWB-18700	Dug Well	628439	715800	Dug well	NA	NA	NA	Na	Yes	Yes	87	Limestone tills	Locally important aquifer, which is Moderately Productive only in Local Zones.
23	27	TWB-25700	Spring/shallow well	635135	716725	Spring/shallow well in field	1.5	1.6	1.6	Na	Yes	Yes	8	Limestone tills	Locally important aquifer, which is Moderately Productive only in Local Zones.
100	28	TWC-1000	Bored well	638099	718351	Artesian well at base of hill. Circa 2m above ditch. 5-6 l/s.	0	3.5		Na	Yes	Yes	87	Limestone tills	Locally important aquifer, which is Moderately Productive only in Local Zones.
201	29	TWC-7400	Monitoring well	643407	721802	Monitoring well	14	14.7		Na	Yes	Yes	551	Limestone tills	Locally important aquifer, which is Moderately Productive only in Local Zones.

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32	30	TWC-7600	Dug well	643586	721524	hand dug well, concrete lined. WL 5.2 not in use	5.2	5.5	Yes	Na	Yes	Yes	226	Limestone tills	Locally important aquifer, which is Moderately Productive only in Local Zones.
31	31	TWC-7600	Bored well	643735	721495	300ft, WL 6.36M, Well serving house	6.36	NA	NA	Na	Yes	Yes	135	Limestone tills	Locally important aquifer, which is Moderately Productive only in Local Zones.
19	32	TWC-7900	Bored well	644047	721432	Sealed well no access to inner area	NA	NA	NA	Na	Yes	Yes	97	Limestone tills	Locally important aquifer, which is Moderately Productive only in Local Zones.
22	33	TWC-7900	Bored well	644084	721475	No access	NA	NA	NA	Na	Yes	Yes	74	Limestone tills	Locally important aquifer, which is Moderately Productive only in Local Zones.
35	34	TWE-4400	Bored well	689819	732842	Well in field - water level at 3.7m, supplies house and farm. No water issues	3.7	3.9	Yes	Na	Yes	Yes	153	Limestone tills	Locally important aquifer, which is Moderately Productive only in Local Zones.
222	35	TWE-4400	Dug Well	689827	732889	Dug well	1.8	1.9	NA	Na	Yes	Yes	110	Limestone tills	Locally important aquifer, which is Moderately Productive only in Local Zones.

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101	29	TWE-15200	Bored well	699130	730752	Water >10mbgl based on landowner info. dipped to 5m - blocked. Water supplies horse and industrial yard. Well - 300ft, no access to inner area.	5.3	5.3	NA	Na	Yes	Yes	55	Limestone tills	Locally important aquifer, which is Moderately Productive only in Local Zones.
241	30	TW-31000	Bored Well	591890	689223	Bored well - serving dwelling and farm	NA	NA	8.8	Na	Yes	Yes	310	Limestone tills	Regionally Important Aquifer - Karstified (diffuse)
242	31	TW-31000	Bored Well	591857	689189	Bored well - serving dwelling and farm	NA	NA	9.2	Na	Yes	Yes	280	Limestone tills	Regionally Important Aquifer - Karstified (diffuse)
9	32	TW-34000	Bored Well	594774	688935	Bored well - serving dwelling and farm	NA	NA	14	Na	Yes	Yes	350	Limestone tills	Locally important aquifer, which is Moderately Productive only in Local Zones.
251	33	TWC-19700	Shallow well	652762	728244	Bored well - serving dwelling and farm	NA	NA	NA	Sealed wellhead – no access to well	Yes	Yes	350	Limestone tills	Locally important aquifer, which is Moderately Productive only in Local Zones.

Piezometers

id	Location	x ITM	y ITM	Piezometer	Jun-21	August_21	Sept_21
				Depth m bgl	Depth m bgl		
1	Lisduff	608358	700038	1.2	0.44	0.56	NA
2	Island	648244	724508	1.2	0.23	0.31	0.3
3	Island	648285	724464	1.2	0.47	0.55	0.5
3d	Island	648286	724465	2.8	0.48	0.58	0.55
4	Island	648317	724430	1	0.44	0.5	0.52
5	Mount Lucas	650828	726556	1	0.21	0.34	0.33
5d	Mount Lucas	650829	726556	2.5	0.25	0.36	0.34
6	Mount Lucas	650826	726507	1	0.4	0.52	0.52
7	Mount Lucas	651005	726775	1	0.29	0.33	0.34
8	Timahoe North	674920	733213	1	0.11	0.2	0.19
9	Timahoe North	675186	733138	1	0.28	0.42	0.4
10	Timahoe North	675105	733160	1	0.33	0.37	0.37
11	Timahoe North	675274	733114	1	0.34	0.54	0.55
12	Coolfin	619965	711160	1	0.23	0.34	NA
13	Lisduff	608350	700030	1	0.36	0.37	NA