

METROLINK

Integrated Transport. Integrated Life.

A20.2

**Summary of Relevant
Exploratory Hole
Locations and
Monitoring Data**

Appendix A20.2 - Summary of Relevant Exploratory Hole Locations and Monitoring Data

Table 20.2.1: List of Exploratory Hole Locations in AZ1

Station	Exploratory Hole ID	Easting	Northing	Ground Level (mAOD)	Depth of Hole (m)	Year	GI Engineer
Within Works Area							
ESTUARY PARK & RIDE	BH130	718491.85	748967.44	7.918	3.3	2008	IGSL
	TP121	718521.86	748903.72	7.74	2.5	2008	IGSL
	NBH70	718907	748895.5	5.6	15	2019	Causeway Phase 1
	TP-01	718902	748887.5	5.6	4	2019	Causeway Phase 1
	TP122	718575.07	748765	8.33	3.6	2008	IGSL
	BH101	718588.99	748745.55	7.161	3.25	2008	IGSL
	RC132	718618.89	748665.07	6.414	20	2008	IGSL
	NBH71	718751.3	748600.94	6.77	15.3	2019	Causeway Phase 1
	NTP02	718754.32	748600.94	6.86	1.9	2019	Causeway Phase 1
	TP123	718646.57	748573.9	8.88	4.5	2008	IGSL
	ATP01B	718648.33	748551.66	8.6	1.5	2021	Causeway Phase 5
	ATP01	718649.29	748549.27	8.61	2.4	2021	Causeway Phase 5
	NBH201	718623.02	748523.26	NR	10	2019	Causeway Phase 2
	ATP02B	718678.97	748522.44	8.83	1.5	2021	Causeway Phase 5
	ATP02	718677.59	748521.38	8.77	3.1	2021	Causeway Phase 5
	TP124	718688.57	748444.68	8.75	4.5	2008	IGSL
	NTP03	718700.15	748422.82	7.89	1.9	2019	Causeway Phase 1
	NBH72	718705.56	748413.29	7.65	15.25	2019	Causeway Phase 1
TP125	718703.57	748372.42	7.1	4.5	2008	IGSL	
BROAD MEADOW VIADUCT	BH144ACP	718700.53	748286.13	5.204	3.44	2008	IGSL
	BH144	718703.95	748283.22	5.156	5.3	2008	IGSL
	RC143	718667.37	748249.82	3.22	20.2	2008	IGSL
	TP126	718637.97	748222.73	3.49	2.7	2008	IGSL
	RC141	718653.04	748179.75	3.812	16.6	2008	IGSL
	BH70	718612.08	748125.73	3.948	6.1	2007	IGSL
	RC70	718612.08	748125.73	3.948	15.1	2007	IGSL
	BH107	718628.12	748124.36	3.72	5.9	2008	IGSL
TP127	718620.34	748099.73	3.93	2.1	2008	IGSL	
ESTUARY - SEATOWN	ATP03	718606.54	748015.08	4.73	0.25	2021	Causeway Phase 5
	RC104	718605.5	748014.72	4.722	18	2008	IGSL
	ATP03A	718601.95	748004.79	4.86	2.5	2021	Causeway Phase 5
	TP128	718601.58	748004.5	4.87	2.7	2008	IGSL
	BH105	718552.99	747918.71	5.848	6.5	2008	IGSL
	TP129	718543.52	747903.81	5.92	2.9	2008	IGSL

Station	Exploratory Hole ID	Easting	Northing	Ground Level (mAOD)	Depth of Hole (m)	Year	GI Engineer
	ATP04	718554.71	747880.82	6.15	1.8	2021	Causeway Phase 5
	ATP04A	718549.79	747871.92	6.22	2.5	2021	Causeway Phase 5
	ATP04B	718551.75	747870.98	6.32	2.4	2021	Causeway Phase 5
	TP130	718512.58	747803.5	6.38	3.3	2008	IGSL
	ATP05	718522.59	747789.86	6.48	2.7	2021	Causeway Phase 5
	BH106	718499.95	747761.73	6.75	7.4	2008	IGSL
	NBH403	718488.28	747725.15	7.14	12.5	2020	Causeway Phase 3
	SURGE_3007	718394.21	747703.32	NR	0.1	2009	GSI
	NBH401	718499.7	747695.24	7.64	6	2020	Causeway Phase 3
	NBH402	718494.27	747690.57	7.54	13	2020	Causeway Phase 3
	NBH404	718487.23	747659.69	7.67	14	2020	Causeway Phase 3
	TP131	718487.68	747654.71	7.82	4.3	2008	IGSL
	RC108	718492.61	747648.62	7.964	17.2	2008	IGSL
	TP132	718537.56	747641.98	7.59	4.6	2008	IGSL
	TP133	718542.44	747603.72	7.89	3.1	2008	IGSL
	TP133A	718534.53	747602.36	7.91	4.5	2008	IGSL
	BH69	718541.85	747602	7.961	5.8	2007	IGSL
	RC69	718541.85	747602	7.961	15.5	2007	IGSL
	ST133	718583.59	747595.27	7.78	1.6	2008	IGSL
	BH109	718551.75	747555.64	8.008	5.9	2008	IGSL
	ATP06A	718511.99	747553.32	8.47	0.6	2021	Causeway Phase 5
	ATP06B	718509.22	747551.25	8.37	3.5	2021	Causeway Phase 5
	ATP06	718507.98	747549.33	8.39	0.6	2021	Causeway Phase 5
	BH110	718552.65	747447.1	11.374	3.1	2008	IGSL
	RC110A	718546.3	747441.49	11.568	15	2008	IGSL
	TP134	718546.58	747439.46	11.56	4	2008	IGSL
	NBH406	718547.12	747431.91	11.73	18	2020	Causeway Phase 3
	NBH407	718553.98	747402	11.31	17	2020	Causeway Phase 3
	NBH408	718628.61	747387.14	9.68	15	2020	Causeway Phase 3
	TP135	718567.14	747359.56	10.55	3.1	2008	IGSL
	BH103A	718634.93	747357.1	9.525	3.9	2008	IGSL
	BH103	718636.13	747352.15	9.464	2.5	2008	IGSL
	SURGE_3008	718538.17	747305.41	NR	0.1	2009	GSI
	TP136	718656.55	747280.87	10.43	3.1	2008	IGSL
	RC111	718667.36	747252.86	11.317	14	2008	IGSL
	ATP07	718695.96	747180.02	10.62	12	2021	Causeway Phase 5
SEATOWN STATION	BH112	718670.65	747139.55	11.319	4.3	2008	IGSL
SEATOWN STATION	TP137	718680.87	747094.22	11.91	3.1	2008	IGSL
SEATOWN STATION	BH68	718682.12	747090.8	11.644	3.1	2007	IGSL
SEATOWN STATION	RC68	718682.12	747090.8	11.644	15	2007	IGSL

Station	Exploratory Hole ID	Easting	Northing	Ground Level (mAOD)	Depth of Hole (m)	Year	GI Engineer
	RC113A	718650.71	747063.52	12.371	5	2008	IGSL
	RC113	718651.44	747063.21	12.405	16.7	2008	IGSL
	ABH01	718724.57	747060	11.49	14	2021	Causeway Phase 5
	BH115	718685.9	747054.62	12.033	3.8	2008	IGSL
	ATP08	718726.98	747045.53	11.28	1.7	2021	Causeway Phase 5
	ABH02	718729.76	747005.1	12.45	14.15	2021	Causeway Phase 5
	ATP09B	718735.12	746982.15	15.37	0.75	2021	Causeway Phase 5
	ATP09C	718733.48	746969.41	15.55	1.4	2021	Causeway Phase 5
SEATOWN - SWORDS	ATP09D	718739.77	746952.5	15.47	1.25	2021	Causeway Phase 5
	RC114	718730.6	746910.09	13.211	16.1	2008	IGSL
	TP139	718744.31	746859.3	14.12	4.5	2008	IGSL
	RC116	718738.27	746801.7	15.053	20	2008	IGSL
	ATP10	718740.37	746797.93	15.16	4.2	2021	Causeway Phase 5
	TP140	718732.65	746750.83	16.86	4.5	2008	IGSL
	BH140ACP	718668.79	746721.97	19.061	4.6	2008	IGSL
	BH140	718670.74	746721.9	19.041	9.5	2008	IGSL
	RC127	718724.4	746691.97	18.213	20	2008	IGSL
	TP141	718664.61	746685.19	20.34	3.6	2008	IGSL
	ATP11	718726.94	746631.96	21.54	4.6	2021	Causeway Phase 5
	BH129ACP	718656.12	746624.67	21.565	7	2008	IGSL
	RC129	718657.24	746623.57	21.597	20.2	2008	IGSL
	SURGE_3014	718391.2	746623.55	NR	0.1	2009	GSI
	TP142	718713.14	746574.83	21.46	4.7	2008	IGSL
	BH117	718637.63	746528.94	20.608	6.5	2008	IGSL
	ATP12	718692.82	746519.99	21.82	2	2021	Causeway Phase 5
	TP143	718682.44	746489.81	21.73	4.5	2008	IGSL
	RC118	718612.62	746411.78	23.421	20	2008	IGSL
	TP144	718597.46	746388.79	23.86	4.1	2008	IGSL
	BH67	718587.46	746365.44	24.301	10.2	2007	IGSL
	RC67	718587.46	746365.44	24.301	22	2007	IGSL
	RC119	718563.52	746323.92	24.389	25.6	2008	IGSL
	TPBH119	718563.26	746323.88	24.39	2.25	2008	IGSL
BH120	718522.4	746321.9	24.853	11.2	2008	IGSL	
TP145	718496.65	746295.5	24.93	4.5	2008	IGSL	
ATP13	718573.99	746261.79	24.62	3.1	2021	Causeway Phase 5	
SWORDS STATION	TP146	718509.83	746224.88	24.47	4.5	2008	IGSL
	RC121	718374.74	746200.01	25.571	24.55	2008	IGSL
	ATP14	718447.69	746167.23	25.22	3.2	2021	Causeway Phase 5
	ABH03	718419.56	746162.68	25.27	9.7	2021	Causeway Phase 5
	ATP15	718424.22	746153.35	25.31	3.6	2021	Causeway Phase 5
	TP147	718408.67	746148.19	25.6	4.5	2008	IGSL

Station	Exploratory Hole ID	Easting	Northing	Ground Level (mAOD)	Depth of Hole (m)	Year	GI Engineer
	ABH04	718374.07	746128.47	24.93	9.7	2021	Causeway Phase 5
	RC122	718345.61	746121.86	25.457	20.1	2008	IGSL
SWORDS - FOSTERTOWN	SURGE_3013	718230.23	746114.66	NR	0.1	2009	GSI
	ATP16	718316.9	746103.26	25.78	3.5	2021	Causeway Phase 5
	TP149	718196.07	746034.87	26.12	4.5	2008	IGSL
	ATP17	718123.06	745997.22	26.62	1.9	2021	Causeway Phase 5
	TP151	718070.13	745973.53	26.94	4.5	2008	IGSL
	BH126	717895.71	745939.95	29.95	5.9	2008	IGSL
	RC124	718000.61	745936.57	28.334	16.6	2008	IGSL
	TP153	717899.25	745915.7	29.98	2.6	2008	IGSL
	BH125A	717957.57	745904.18	29.742	1.3	2008	IGSL
	BH125	717957.49	745902.92	29.739	6.5	2008	IGSL
	BH66	717891.44	745900.16	30.682	5.5	2007	IGSL
	RC66	717891.44	745900.16	30.682	20.8	2007	IGSL
	BH125ACP	717950.22	745898.98	29.543	6	2008	IGSL
	TP154	717840.83	745836.79	33.63	4.5	2008	IGSL
	RC128	717816.84	745790.21	35.282	20.2	2008	IGSL
	ATP18	717815.94	745787.64	35.49	2.5	2021	Causeway Phase 5
	TP155	717795.96	745758.08	38.14	4.5	2008	IGSL
	RC145	717707.37	745736.7	43.7064	22.5	2008	IGSL
	RC201	717774.35	745716.49	43.087	25	2008	IGSL
	RC202	717682.68	745684.83	45.176	25	2008	IGSL
TP201	717757.45	745671.85	44.34	4.6	2008	IGSL	
FOSTERTOWN STATION	ATP19	717736.29	745627.4	45	3	2021	Causeway Phase 5
	ABH05	717749.32	745601.53	44.56	12.8	2021	Causeway Phase 5
	RC203	717727.12	745597.29	44.792	25	2008	IGSL
	BH204ACP	717676.74	745570.55	44.98	3.6	2008	IGSL
	BH204	717679	745570.46	44.989	16	2008	IGSL
	ATP20	717726.07	745561.85	44.76	3.2	2021	Causeway Phase 5
	ABH06	717757	745560.66	44.43	15.6	2021	Causeway Phase 5
	ATP21	717718.08	745537.52	44.79	2.2	2021	Causeway Phase 5
	RC205	717723.09	745491.57	43.937	25	2008	IGSL
	ABH07	717732.27	745468.72	43.93	15	2021	Causeway Phase 5
	TP202	717734.94	745466.96	43.83	4.5	2008	IGSL
FOSTERTOWN C/C&C	TP203	717710.95	745347.65	47.17	4.5	2008	IGSL
	BH65	717718.9	745347.28	46.746	10	2007	IGSL
	RC65	717718.9	745347.28	46.746	38.2	2008	IGSL
	TP204	717650.77	745264.57	47.53	3.7	2007	IGSL
	ABH08II	717641.45	745172.46	47.93	6	2021	Causeway Phase 5
	RC207	717629.18	745156.73	48.061	37.9	2008	IGSL
	RC208	717638.19	745075.55	48.214	25.7	2008	IGSL
	TP205	717628.62	745070.75	48	4.5	2008	IGSL

Station	Exploratory Hole ID	Easting	Northing	Ground Level (mAOD)	Depth of Hole (m)	Year	GI Engineer
	ABH08	717667.14	745054.37	47.82	8	2021	Causeway Phase 5
	TP206	717589.42	744962.54	47.98	4.5	2008	IGSL
	BH209ACP	717568.94	744957.53	47.891	8.4	2008	IGSL
	BH209	717566.56	744957.01	47.971	16	2008	IGSL
	BH64	717716.2	744934.84	46.116	1.7	2007	IGSL
	BH64A	717716.2	744934.84	46.12	5.7	2007	IGSL
	RC64A	717716.2	744934.84	46.116	15	2007	IGSL
	TP207	717533.24	744861.87	48.23	4.5	2008	IGSL
	BH210ACP	717540.5	744779.03	47.334	9.1	2008	IGSL
	BH210	717535.96	744775.69	47.314	9.3	2008	IGSL
FTOWN - NTH PORTAL	TP208	717501.42	744752.61	47.37	4.5	2008	IGSL
	TP209	717450.9	744674.66	46.54	4.1	2008	IGSL
	TP210	717416.16	744617.1	42.8	4.5	2008	IGSL
	BH211ACP	717441.89	744544.51	47.789	15.3	2008	IGSL
	BH211	717440.09	744543.11	47.797	16.1	2008	IGSL
	RC211A	717445.31	744542.81	47.541	16	2008	IGSL
	TP211	717387.07	744450.86	42.64	4	2008	IGSL
	BH213ACP	717371.5	744449.05	42.667	13.5	2008	IGSL
	RC213	717366.83	744447.56	42.648	25	2008	IGSL
NORTH PORTAL	NBH1	717387.7	744420.6	44.5	21	2019	Causeway Phase 1
	NBH2	717366.8	744368.5	58.3	37	2019	Causeway Phase 1
	NBH2A	717366.8	744368.5	58.3	24	2019	Causeway Phase 1
	ATP25	717358.45	744368.15	56.26	2	2021	Causeway Phase 5
	TP212	717350.56	744349.76	57.92	4.2	2008	IGSL
	RC212A	717329.05	744347.82	59.426	33.1	2008	IGSL
	BH212	717325.93	744344.41	59.472	10.5	2008	IGSL
	ABH09	717345.57	744324.41	60.52	20	2021	Causeway Phase 5
NBH3	717368.9	744313	61.6	33	2019	Causeway Phase 1	
Within 250m of Works Area							
ESTUARY P&R <250	TP119	718396.79	749242.28	6.91	3.6	2008	IGSL
	BH102	718432.72	749167.39	6.811	4.7	2008	IGSL
	TP120	718446.92	749118.4	8.11	3.2	2008	IGSL
	BH131ACP	718464.74	749067.55	7.614	3.2	2008	IGSL
	RC131	718460.75	749064.65	7.622	14.3	2008	IGSL
ESTUARY-SEATWN <250	NBH405	718555.42	747683.17	6.91	14	2020	Causeway Phase 3
	SURGE_3010	718766.13	747608.34	NR	0.1	2009	GSI
SEATWN-SWORDS <250	TP138	718664.81	746945.05	13.34	4.6	2008	IGSL
SWORDS STATION <250	TP148	718306.44	746172.75	25.59	4.5	2008	IGSL
	BH139ACP	718260.58	746140.14	26.91	3.4	2008	IGSL
	BH139	718259.74	746137.8	26.933	9.4	2008	IGSL
	BH123ACP	718086.21	746044.11	27.495	8.4	2008	IGSL
	RC123	718087.28	746042.93	27.346	20.2	2008	IGSL
	TP150	718082.67	746042.23	27.43	2.1	2008	IGSL

Station	Exploratory Hole ID	Easting	Northing	Ground Level (mAOD)	Depth of Hole (m)	Year	GI Engineer
SWRDS-FOSTERTWN <250	TP152	717951.95	745969.4	28.91	2.5	2008	IGSL
	SURGE_3028	718338.2	745669.76	NR	0.1	2009	GSI
	SURGE_2014	716040.57	733274.46	NR	0.1	2009	GSI
NORTH PORTAL <250	BH36	717218.53	744346	62.991	1.5	2007	IGSL
	RC36	717218.53	744346	62.991	20.1	2007	IGSL

Notes

NR - Not Recorded

Table 20.2.2: List of Exploratory Hole Locations in AZ2

Station	Exploratory Hole ID	Easting	Northing	Ground Level (mAOD)	Depth of Hole (m)	Year	GI Engineer
Within Works Area							
DUBLIN AIRPORT	BH304	716996.84	743578.99	66.804	18	2008	IGSL
	NBH62	716992.96	743551.69	66.97	4	2019	Causeway Phase 1
	BH35	716898.68	743543.58	67.275	6.6	2007	IGSL
	RC35	716898.68	743543.58	67.275	29.9	2007	IGSL
	NBH04	716965.57	743512.23	67.79	31	2019	Causeway Phase 1
	NBH61	716963.23	743504.73	67.86	2.2	2019	Causeway Phase 1
	ABH12	716973.75	743504.16	67.5	25	2021	Causeway Phase 5
	ATP26	716945.21	743503.34	68.38	1.8	2021	Causeway Phase 5
	NBH60	716919.9	743471.85	67.84	1.3	2019	Causeway Phase 1
	ABH13	716929.72	743469.97	67.86	25	2021	Causeway Phase 5
	RC305	716964.84	743464.68	67.534	30.2	2008	IGSL
	ATP27	716945.96	743448.31	67.3	1	2021	Causeway Phase 5
	RC306	716848.08	743445.2	67.768	30	2008	IGSL
	ABH14A	716923.32	743411.93	66.34	1.3	2021	Causeway Phase 5
	ATP28	716888.43	743409.31	66.78	0.8	2021	Causeway Phase 5
	ABH14	716915.77	743399.63	66.39	0.4	2021	Causeway Phase 5
	RC307	716952.37	743394.66	66.382	30.5	2008	IGSL
	BH307ACP	716953.6	743394.32	66.386	5.3	2008	IGSL
	RC34	716867.97	743391.03	66.42	31.2	2007	IGSL
	RC308	716928.79	743290.93	65.053	30.8	2008	IGSL
SOUTH PORTAL	RC314	716506.16	742322.28	59.645	40.5	2008	IGSL
	BH32	716363.7	742278.86	61.463	6.2	2007	IGSL
	RC32	716363.7	742278.86	61.463	38	2007	IGSL
	BH402	716410.54	742266.22	59.299	7.5	2008	IGSL
	RC401	716442.72	742257	59.351	40.5	2008	IGSL
	NBH05	716393.73	742243.75	59.8	40	2019	Causeway Phase 1

Station	Exploratory Hole ID	Easting	Northing	Ground Level (mAOD)	Depth of Hole (m)	Year	GI Engineer
	NBH06A	716322.45	742232.9	60.18	22.5	2019	Causeway Phase 1
	NBH06W	716324.43	742224.11	60.31	45	2019	Causeway Phase 1
	ABH17	716341.22	742215.75	60.19	23.1	2021	Causeway Phase 5
	RC403	716370.35	742181.21	60.141	40.1	2008	IGSL
	NBH07	716261.67	742141.29	59.87	40.8	2019	Causeway Phase 1
	BH405	716346.8	742114.89	59.138	13.9	2008	IGSL
	MN/104/BH/003	716160.85	742062.26	58.93	10	2011	Soil Mechanics
Within 250m of Works Area							
FTWN - NTH PRTL <250	NDP505	717534.74	744330.58	56.28	3.2	2021	Causeway Phase 5
	NTP505	717534.74	744330.58	56.28	2.3	2021	Causeway Phase 5
	NDP507	717691.2	744327.44	53.57	4.8	2021	Causeway Phase 5
	NTP507	717691.2	744327.44	53.57	2.4	2021	Causeway Phase 5
	NDP506	717630.89	744326.52	55.26	4.7	2021	Causeway Phase 5
	NTP506	717630.89	744326.52	55.26	2.35	2021	Causeway Phase 5
	NDP504	717501.38	744307.15	58.07	6	2021	Causeway Phase 5
	NTP504	717501.38	744307.15	58.07	2.75	2021	Causeway Phase 5
	NDP503	717545.96	744289.65	57.65	5.1	2021	Causeway Phase 5
	NTP503	717545.96	744289.65	57.65	2.4	2021	Causeway Phase 5
	NDP508	717719.17	744283.01	53.29	7	2021	Causeway Phase 5
	NTP508	717719.17	744283.01	53.29	2.6	2021	Causeway Phase 5
	NBH502	717661.73	744264.04	55.85	21	2021	Causeway Phase 5
	NBH501	717592.89	744249.71	57.94	21	2021	Causeway Phase 5
	NDP502	717625.69	744228.26	57.61	3.9	2021	Causeway Phase 5
	NTP502	717625.69	744228.26	57.61	2.3	2021	Causeway Phase 5
	NDP501	717679.59	744209.05	56.3	6.1	2021	Causeway Phase 5
NTP501	717679.59	744209.05	56.3	2.1	2021	Causeway Phase 5	
NORTH PORTAL <250	BH63	717693.59	744120.75	54.624	12	2007	IGSL
	RC63	717693.59	744120.75	54.624	15	2007	IGSL
	RC301	717266.99	744107.88	64.604	40.7	2008	IGSL
DUBLIN AIRPORT <250	ABH10	717140.35	743870.37	65.98	30	2021	Causeway Phase 5
	BH303	717066.91	743681.47	65.834	15.2	2008	IGSL
	RC303A	717072.66	743677.16	65.862	30	2008	IGSL
	ABH11	717058.55	743660.01	65.99	28	2021	Causeway Phase 5

Notes

NR - Not Recorded

Table 20.2.3: List of Exploratory Hole Locations in AZ3

Station	Exploratory Hole ID	Easting	Northing	Ground Level (mAOD)	Depth of Hole (m)	Year	GI Engineer
Within Works Area							
DARDISTOWN DEPOT	SURGE_3038	716168.63	742320.5	NR	0.1	2009	GSI
	AWN01	715709.31	742154.57	60.86	30	2021	Causeway Phase 5
	MN/104/TP/005	716026.02	742078.71	62.49	4	2011	Soil Mechanics
	MN/104/TP/006	716062.73	742071.62	59.03	2.8	2011	Soil Mechanics
	MN/104/TP/007	716102.29	742064.54	59.73	3.6	2011	Soil Mechanics
	ATP29I	715915.25	742052.61	59.56	2.1	2021	Causeway Phase 5
	ATP29	716092.77	742044.66	59.1	2.3	2021	Causeway Phase 5
	MN/104/TP/003	715768.55	742037.02	60.88	3.3	2011	Soil Mechanics
	MN/104/BH/001	715683	742034.21	60.26	11.15	2011	Soil Mechanics
	MN/104/IT/002	715879.09	742027.71	60.02	3	2011	Soil Mechanics
	MN104/TP/001	715628.55	742026.69	61.71	2.8	2011	Soil Mechanics
	MN/104/BH/002A	715931.12	742023.65	59.37	20.25	2011	Soil Mechanics
	MN/104/TP/008	716157.85	742014.94	58.76	3.1	2011	Soil Mechanics
	MN/104/TP/004	715895.47	742012.81	59.99	3.4	2011	Soil Mechanics
	MN/104/TP/002	715702.72	741984.71	61.38	3.2	2011	Soil Mechanics
	NBH08	715961.35	741967.27	59.87	32	2019	Causeway Phase 1
	MN/104/TP/009	715967.37	741967.23	61.34	3.6	2011	Soil Mechanics
	MN/104/BH/004	715945.53	741958.94	60.09	6.03	2011	Soil Mechanics
	MN/104/TP/010	715977.7	741944.99	60.66	3.9	2011	Soil Mechanics
	BH58	715793.39	741926.54	60.98	6.1	2007	IGSL
	RC58	715793.39	741926.54	60.98	15	2007	IGSL
	BH408	715926.36	741913.62	60.32	4.6	2008	IGSL
	BH408A	715925.19	741909.4	60.348	16	2008	IGSL
	MN/104/IT/004	716064.72	741900.8	59.17	3	2011	Soil Mechanics
	ATP31I	715499.02	741898.14	64.3	2.5	2021	Causeway Phase 5
	ATP30I	715734.8	741897.3	61.61	2.6	2021	Causeway Phase 5
	MN/104/IT/001	715652.07	741896.2	62.54	3	2011	Soil Mechanics
	MN/104/IT/003	715888.03	741890.2	60.62	3	2011	Soil Mechanics
	ATP30	715809.58	741866.8	61.25	2.5	2021	Causeway Phase 5
	TP29	715445.23	741837.41	64.92	3.1	2019	Causeway Phase 2
	TP30	715629.18	741808.95	64.39	3	2019	Causeway Phase 2
	TP28	715358.89	741791.7	61.21	3	2019	Causeway Phase 2
	AWN02	715531.44	741752.93	65.68	30	2021	Causeway Phase 5
ATP31	715656.86	741748.52	65.42	2.5	2021	Causeway Phase 5	
RC409	715651.35	741737.43	65.551	20	2008	IGSL	
TP31	715497.71	741720.6	67.47	2.9	2019	Causeway Phase 2	

Station	Exploratory Hole ID	Easting	Northing	Ground Level (mAOD)	Depth of Hole (m)	Year	GI Engineer
	ATP32	715653	741716.25	65.51	2.7	2021	Causeway Phase 5
	RC412	715572.27	741640.64	65.57	21.75	2008	IGSL
	ATP32I	715481.18	741600.28	66.26	2.7	2021	Causeway Phase 5
	RC410	715507.7	741466.89	63.514	20	2008	IGSL
M50 VIADUCT	BH30	715557.92	741403.97	63.548	6.3	2007	IGSL
	RC30	715557.92	741403.97	63.548	23.5	2007	IGSL
	RC501	715495.81	741387.26	64.084	29.7	2008	IGSL
	NBH9	715579.1	741355	60.6	27	2019	Causeway Phase 1
	NBH10	715582.8	741274.9	61.1	27	2019	Causeway Phase 1
	BH503ACP	715551.2	741251.51	63.542	5	2008	IGSL
	RC503	715548.66	741250.78	63.52	29.9	2008	IGSL
	BH29	715413.14	741225.85	64.82	7	2007	IGSL
	RC29	715413.14	741225.85	64.82	21.5	2007	IGSL
RC502	715503.55	741200.7	63.2327	30	2008	IGSL	
M50 VDCT - NORTHWOOD	BH504A	715490.93	740981.69	57.44	8.1	2008	IGSL
	BH504	715501.46	740976.69	57.306	9.15	2008	IGSL
	ATP33WS	715488.28	740959.85	57.8	3.1	2021	Causeway Phase 5
	RC505	715400.05	740935.98	59.648	20	2008	IGSL
	BH506ACP	715438.06	740900.16	58.623	4.4	2008	IGSL
	BH506	715438.29	740897.38	58.611	6.7	2008	IGSL
NORTHWOOD C/C&C	NBH202	715420.73	740802.69	NR	28	2019	Causeway Phase 2
	ABH19	715355.48	740782.67	60.96	23.5	2021	Causeway Phase 5
	ABH18	715410.12	740775.82	58.42	23.3	2021	Causeway Phase 5
	ATP34	715395.08	740774.91	58.43	2.5	2021	Causeway Phase 5
	NBH11	715408.1	740770.7	59.4	28	2019	Causeway Phase 1
	NBH12	715308.61	740710.89	59.91	28.5	2019	Causeway Phase 1
	ATP35	715328.87	740700.75	59.84	1.5	2021	Causeway Phase 5
	ABH20	715326.18	740680.39	60.41	23	2021	Causeway Phase 5
	BH28	715325.35	740652.44	60.599	8	2007	IGSL
	RC28	715325.35	740652.44	60.599	20	2007	IGSL
NORTHWOOD TUNNEL	SURGE_3040	715303.8	740637.87	NR	0.1	2009	GSI
	NBH73	715293.86	740600.55	61.89	28.7	2019	Causeway Phase 1
	RC507	715325.6	740512.08	62.986	20.4	2008	IGSL
Within 250m of Works Area							
DARDISTOWN DPT <250	BH406A	716021.66	741895.13	59.532	3.8	2008	IGSL
	BH406	716032.37	741893.96	59.396	6.3	2008	IGSL
	RC407	715932.02	741841.13	60.809	21	2008	IGSL
	BH31	715694.78	741520.25	65.659	7.2	2007	IGSL
	RC31	715694.78	741520.25	65.659	30	2007	IGSL

Notes

NR - Not Recorded

Table 20.2.4: List of Exploratory Hole Locations in AZ4

Station	Exploratory Hole ID	Easting	Northing	Ground Level (mAOD)	Depth of Hole (m)	Year	GI Engineer
Within Works Area							
BALLYMUN STATION	NBH203A	715397.44	739911.76	61.99	35	2019	Causeway Phase 2
	NBH13	715420.9	739896.9	62.2	36	2019	Causeway Phase 1
	ABH23	715400.69	739892.57	61.96	30	2021	Causeway Phase 5
	ATP36	715417.11	739890.79	61.9	2.3	2021	Causeway Phase 5
	BH27	715422.66	739881.66	61.874	27	2007	IGSL
	RC27	715422.66	739881.66	61.874	20	2007	IGSL
	ABH24	715421.08	739860	61.91	2	2021	Causeway Phase 5
	ABH24A	715422.26	739856.79	61.93	1.5	2021	Causeway Phase 5
	ABH24B	715414.77	739851.41	61.9	30	2021	Causeway Phase 5
	ATP37	715409.99	739825.76	61.82	2.75	2021	Causeway Phase 5
	ABH25	715401.09	739804.71	61.68	30	2021	Causeway Phase 5
RC513	715418.06	739768.39	60.548	26.05	2008	IGSL	
COLLINS AVE STATION	TP601	715485.47	739062.22	51.27	4	2008	Norwest Holst
	NBH206	715392.15	739049.4	51.95	31	2019	Causeway Phase 2
	NBH14	715430.6	738952.8	51.5	32	2019	Causeway Phase 1
	TP602	715427.67	738948.08	50.91	4.5	2008	Norwest Holst
	ABH27	715413.3	738944.83	51.38	30	2021	Causeway Phase 5
	ATP38	715412.26	738924.3	51.39	2.9	2021	Causeway Phase 5
	RC26	715394.02	738914.41	51.684	30	2007	IGSL
	NBH15	715440.3	738898.3	51.5	35	2019	Causeway Phase 1
	NBH15A	715440.3	738898.3	51.5	17	2019	Causeway Phase 1
	ABH28	715416.48	738889.19	51.37	30	2021	Causeway Phase 5
	MGI/BH/602	715433.64	738882.55	51.24	30.25	2008	Norwest Holst
	ATP39	715425.31	738881.71	51.3	2.3	2021	Causeway Phase 5
	ABH29	715421.74	738845.84	51.65	30	2021	Causeway Phase 5
	NBH16	715434.7	738819.7	51.6	32	2019	Causeway Phase 1
	TP603	715432.6	738761.97	50.82	4.5	2008	Norwest Holst
MGI/BH/605	715446.6	738739.31	50.703	11	2008	Norwest Holst	
NBH207	715438.7	738717.16	50.96	38	2019	Causeway Phase 2	
ALBERT COLLEGE PARK	MGI/BH/610	715462.35	738399.22	45.175	20	2008	Norwest Holst
	NBH208	715411.19	738364.81	NR	37	2019	Causeway Phase 2
	ATP39I	715422.47	738313.9	44.42	2.2	2021	Causeway Phase 5
	ABH30I	715422.51	738308.58	44.36	30	2021	Causeway Phase 5
	BH24	715425.61	738292.65	44.168	4.3	2007	IGSL
	RC24	715425.61	738292.65	44.168	28	2007	IGSL
	MGI/BH/601	715555.1	738275.86	43.4	25.3	2008	Norwest Holst
MGI/BH/611	715565.17	738273.57	43.143	13.85	2008	Norwest Holst	
GRIFFITH PRK STATION	ATP40WS	715425.58	737366.53	18.96	3.45	2021	Causeway Phase 5
	ABH32	715430.09	737366.52	18.85	29	2021	Causeway Phase 5
	NBH211	715457.74	737360.66	19.09	37	2019	Causeway Phase 2
	ATP41WS	715433.07	737330.17	18.76	3.45	2021	Causeway Phase 5
	ABH33	715418.66	737319.68	18.85	29	2021	Causeway Phase 5
	NBH223	715484.97	737307.3	18.85	37	2019	Causeway Phase 2
	ATP42WS	715429.12	737292.96	18.77	3.15	2021	Causeway Phase 5

Station	Exploratory Hole ID	Easting	Northing	Ground Level (mAOD)	Depth of Hole (m)	Year	GI Engineer
	ATP43WS	715416.07	737267.34	18.52	3	2021	Causeway Phase 5
	NBH17	715433.93	737253.02	18.61	31.6	2019	Causeway Phase 1
GLASNEVIN STATION	TPCC14A	714184.91	736810.66	32.31	2	2020	Causeway Phase 4
	TPCC14	714187.42	736808.11	32.21	2	2020	Causeway Phase 4
	GBH32	714200.57	736796.99	32.04	3	2020	Causeway Phase 4
	GTP25	714247.14	736762.43	31.65	1	2020	Causeway Phase 4
	GTP09	714506.22	736750.45	25.94	1	2020	Causeway Phase 4
	GBH31	714273.44	736733.12	31.33	3	2020	Causeway Phase 4
	GBH25	714534.59	736730.6	24.79	2	2020	Causeway Phase 4
	GTP24	714295.8	736707.75	30.91	1	2020	Causeway Phase 4
	GBH30	714347.3	736668.98	30.3	3	2020	Causeway Phase 4
	GTP23	714359.21	736665.64	30.42	1	2020	Causeway Phase 4
	GBH24	714591.51	736644.75	24.58	2	2020	Causeway Phase 4
	GTP07	714587.16	736637.75	26.35	1.2	2020	Causeway Phase 4
	GTP22	714408.99	736615.2	29.69	1	2020	Causeway Phase 4
	GBH10	714610.13	736615.11	24.19	1.6	2020	Causeway Phase 4
	GBH19	714426.86	736608.02	29.19	2	2020	Causeway Phase 4
	GTP20	714473.53	736583.87	28.52	1	2020	Causeway Phase 4
	GTP06	714644.5	736580.56	25.67	1	2020	Causeway Phase 4
	GTP05	714627.63	736577.33	25.05	1	2020	Causeway Phase 4
	GBH18	714492.07	736567.64	28.19	2	2020	Causeway Phase 4
	GBH23	714649.21	736563.18	25.56	1.8	2020	Causeway Phase 4
	GBH17	714592.15	736522.99	26.32	2.1	2020	Causeway Phase 4
	TPCC08	714597.87	736520.13	25.58	0.9	2020	Causeway Phase 4
	GBH08	714713.21	736491.94	23.66	2	2020	Causeway Phase 4
	GBH07	714730.14	736486.37	23.52	2	2020	Causeway Phase 4
	GTP04	714747.75	736484.52	24.78	1	2020	Causeway Phase 4
	GBH16	714680.55	736478.2	24.71	2	2020	Causeway Phase 4
	GBH15	714752.26	736461.58	23.37	3	2020	Causeway Phase 4
	GTP03	714823.63	736438.28	23.62	1	2020	Causeway Phase 4
	GBH13	714737.33	736429.85	31.2	15	2020	Causeway Phase 4
	GBH05	714825.67	736427.79	21.98	2	2020	Causeway Phase 4
	GBH14	714784.43	736426.38	22.78	1.4	2020	Causeway Phase 4
	GBH04	714881.14	736421.36	27.23	15.5	2020	Causeway Phase 4
	NBH19	714957.65	736411.45	26.17	40	2019	Causeway Phase 1
	NBH19W	714957.65	736411.45	26.17	40	2019	Causeway Phase 1
NBH19A	714960.6	736410.98	26.1	18.5	2019	Causeway Phase 1	
GBH03	714872.22	736407.56	21.18	1.9	2020	Causeway Phase 4	
TPCC07	714826.72	736403.46	21.84	0.6	2020	Causeway Phase 4	
GTP13	714805.7	736398.45	27.65	1	2020	Causeway Phase 4	
GTP01	714929.59	736394.02	20.49	1	2020	Causeway Phase 4	
ABH37	714967.9	736385.26	25.62	30	2021	Causeway Phase 5	
GBH12	714873.58	736384.7	20.96	2	2020	Causeway Phase 4	
TPCC13 NORTH	714893.57	736378.49	21.06	0.8	2020	Causeway Phase 4	
GBH01	715006.95	736376.32	24.44	40	2020	Causeway Phase 4	
GBH22	714983.1	736372.5	18.72	1.8	2020	Causeway Phase 4	
TPCC01	715009.23	736371.89	20.42	1	2020	Causeway Phase 4	
TPCC13 SOUTH	714890.98	736371.13	21.32	0.4	2020	Causeway Phase 4	

Station	Exploratory Hole ID	Easting	Northing	Ground Level (mAOD)	Depth of Hole (m)	Year	GI Engineer
	TPCC09	715021.18	736368.45	16.94	0.8	2020	Causeway Phase 4
	GTP12	714877.69	736368.22	27.42	1	2020	Causeway Phase 4
	TPCC02	715036.73	736365.28	18.44	0.75	2020	Causeway Phase 4
	TPCC03	715010.68	736364.56	20.29	1.2	2020	Causeway Phase 4
	GBH02	714954.15	736363.46	25.96	40	2020	Causeway Phase 4
	TPCC10	715024.71	736361.68	17.18	0.9	2020	Causeway Phase 4
	GBH29	714930.35	736360.95	20.61	1.8	2020	Causeway Phase 4
	TPCC04	715036.37	736359.72	17.77	0.9	2020	Causeway Phase 4
	GBH21	715071.6	736359.63	18.41	1.7	2020	Causeway Phase 4
	GBH20	715184.27	736357.45	18.77	2	2020	Causeway Phase 4
	ABH38	715010.88	736348.37	24.93	30	2021	Causeway Phase 5
	GTP11	714953.56	736329.59	27.26	0.4	2020	Causeway Phase 4
	NBH20	714951.03	736318.28	27.28	32.6	2019	Causeway Phase 1
	TPCC11	715030.05	736317.8	18.99	1	2020	Causeway Phase 4
	TPCC05	715037.73	736315.07	18.98	0.9	2020	Causeway Phase 4
	TPCC12	715028.39	736313.31	18.64	0.45	2020	Causeway Phase 4
	TPCC06	715040.09	736308.73	18.57	0.2	2020	Causeway Phase 4
	GBH28	715061.33	736303.95	18.21	2	2020	Causeway Phase 4
GBH27	715158.01	736269.66	16.94	2	2020	Causeway Phase 4	
MATER STATION	NBH215	715164.64	735738.06	22.81	32	2019	Causeway Phase 2
	ABH40	715180.25	735722.42	22.5	30	2021	Causeway Phase 5
	ABH40A	715182.99	735721.89	22.51	4.4	2021	Causeway Phase 5
	ATP45WS	715176.72	735700.13	22.8	3.45	2021	Causeway Phase 5
	NBH21	715245.81	735693.89	21.73	40	2019	Causeway Phase 1
	BH H	715288.12	735683.23	18.33	8	2002	IGSL
	ATP46WS	715208.81	735643.23	22.31	3.15	2021	Causeway Phase 5
	ABH41	715233.32	735622.19	22.2	30	2021	Causeway Phase 5
O'CONNELL ST STATION	NBH216A	715251.14	735574.05	21.99	31	2019	Causeway Phase 2
	NBH304	715728.87	734929.13	2	26	2019	Causeway Phase 2
	NBH22	715712.71	734924.57	2.12	31.9	2019	Causeway Phase 1
	RC10A	715750.51	734865.61	4.932	44	2007	IGSL
	BH10A	715749.25	734864.2	4.932	15	2007	IGSL
	NBH63	715732.18	734849.17	5.05	4	2019	Causeway Phase 1
	ATP47	715743.09	734849.16	4.82	2.2	2021	Causeway Phase 5
	NBH23A	715730.57	734846.12	5.06	15.5	2019	Causeway Phase 1
	NBH23W	715712.5	734843.89	5.13	35.5	2019	Causeway Phase 1
	ABH45	715738.52	734842.14	5.05	15.6	2021	Causeway Phase 5
	ABH45A	715738.78	734841.5	5	30	2021	Causeway Phase 5
TARA STATION	NBH24	715744.2	734753.45	5.12	30.8	2019	Causeway Phase 1
	ABH46	715753.62	734749.6	4.99	30	2021	Causeway Phase 5
	BH38 (WIMTEC)	716164.55	734373.22	3.2	30	2000	Wimtec
	NBH25	716228.69	734372.1	3.51	33	2019	Causeway Phase 1
	NBH26CA	716262.56	734334.47	3.96	9	2019	Causeway Phase 1
	ATP49WS	716250.93	734333.64	3.98	0.15	2021	Causeway Phase 5
	NBH26CW	716264.09	734331.43	4.02	36	2019	Causeway Phase 1
	ABH49	716263.9	734330.56	3.98	30	2021	Causeway Phase 5
	NBH27	716275.41	734316.99	3.67	35	2019	Causeway Phase 1
ABH50	716274.57	734313.55	3.67	30	2021	Causeway Phase 5	
NBH64	716277.69	734312.18	3.61	4	2019	Causeway Phase 1	

Station	Exploratory Hole ID	Easting	Northing	Ground Level (mAOD)	Depth of Hole (m)	Year	GI Engineer
	ATP50WS	716255.26	734287.94	4.01	4.5	2021	Causeway Phase 5
ST STEPHEN'S GREEN	NBH219B	716174.48	733386.41	12.52	31	2019	Causeway Phase 2
	NBH219	716191.21	733381.99	12.52	0.5	2019	Causeway Phase 2
	NBH28	716176.2	733379.9	12.3	36	2019	Causeway Phase 1
	MGI/BH/734	716057.4	733281.94	11.98	34.95	2008	Norwest Holst
	ABH52	716130.05	733402.39	11.82	31	2021	Causeway Phase 5
	ABH53	716097.51	733359.63	11.92	31.4	2021	Causeway Phase 5
	ABH54	716088.42	733322.78	12.82	31	2021	Causeway Phase 5
	ATP51WS	716094.36	733327.71	13.47	1.4	2021	Causeway Phase 5
	ATP52WS	716106.06	733358.95	12.02	1.45	2021	Causeway Phase 5
	ATP52WSA	716105.1	733358.4	12	3	2021	Causeway Phase 5
CHARLEMONT STATION	NBH29	716054.59	732580.2	16.04	31	2019	Causeway Phase 1
	CB2	715984.58	732575.61	15.72	8.8	1995	IGSL
	CB3	715994.57	732558.62	15.88	8.9	1995	IGSL
	CB4A	715996.57	732550.62	20.57	13.7	1995	IGSL
	ABH56	716057.08	732541.63	12.11	26	2021	Causeway Phase 5
	NBH30W	716073.43	732535.34	15.8	36	2019	Causeway Phase 1
	NBH30A	716066.2	732531	16	16	2019	Causeway Phase 1
	ATP54	716045.9	732529.26	12.04	3.5	2021	Causeway Phase 5
	ABH59	716062.28	732526.11	11.93	30.2	2021	Causeway Phase 5
	ABH57	716076.76	732511.26	12.09	26	2021	Causeway Phase 5
	ATP55	716056.15	732511.18	12.09	3.5	2021	Causeway Phase 5
	NBH31	716099.06	732471.3	15.55	38.6	2019	Causeway Phase 1
	ABH58	716061.01	732464.34	15.9	30	2021	Causeway Phase 5
	DR1	716058.56	732451.64	20.84	12	1995	IGSL
5 (IGSL95)	716066.56	732432.65	20.74	5.1	1995	IGSL	
DR2	716066.56	732432.64	20.9	10.5	1995	IGSL	
Within 250m of Works Area							
NORTHWOOD TNL <250	BH508	715460.8	740327.52	63.127	6.1	2008	IGSL
	NBH80	715269.39	740308.1	64.21	35	2019	Causeway Phase 1
	ABH21	715334.31	740252.84	62.97	27.5	2021	Causeway Phase 5
BALLYMUN STN <250	NBH101	715404.24	740164.98	63.16	31.9	2019	Causeway Phase 1
	ABH22	715378.59	740134.36	63.09	30	2021	Causeway Phase 5
	RC509	715426.39	740123.39	63.58	20	2008	IGSL
	BH510	715479.66	740091.1	61.65	11.1	2008	IGSL
	BH510A	715481.75	740089.44	61.508	1.8	2008	IGSL
	SURGE_3041	715567.74	740053.99	NR	0.1	2009	GSI
	SURGE_3042	715197.81	740040	NR	0.1	2009	GSI
	SURGE_3162	715588.73	740032	NR	0.1	2009	GSI
	RC511	715469.9	739880.41	61.685	25.3	2008	IGSL
	BH512	715473.82	739817.46	60.958	16	2008	IGSL
	BH514	715389.12	739648.91	59.703	12.7	2008	IGSL
	NBH204	715397.44	739639.83	59.36	30	2019	Causeway Phase 2
	RC515	715489.7	739598.93	58.793	20.2	2008	IGSL
	BH516	715496.38	739449.2	57.246	12	2008	IGSL
BH516ACP	715496.64	739448.28	57.15	3	2008	IGSL	
COLLINS AVE STN <250	RC517	715438.54	739316.71	54.953	24.2	2008	IGSL
	BH518	715428.33	739272.23	54.644	6.5	2008	IGSL
	RC519	715413.99	739147.38	52.59	24	2008	IGSL

Station	Exploratory Hole ID	Easting	Northing	Ground Level (mAOD)	Depth of Hole (m)	Year	GI Engineer
	SURGE_4447	715273.79	739007.22	NR	0.1	2009	GSI
	MGI/BH/601A	715371.67	738989.98	52.29	1.3	2008	Norwest Holst
	MGI/BH/603	715434.96	738724.17	51.04	20.1	2008	Norwest Holst
	MGI/BH/606	715435.38	738698.9	50.9	20	2008	Norwest Holst
	NBH102	715445.38	738601.77	49.07	34	2019	Causeway Phase 1
	TP604	715432.82	738596.14	49.17	3.6	2008	Norwest Holst
	MGI/BH/609	715472.77	738563.26	48.677	20.15	2008	Norwest Holst
ALBERT COLLEGE <250	BH25	715435.21	738536.49	48.157	7.3	2007	IGSL
	RC25	715435.21	738536.49	48.157	24.2	2007	IGSL
	MGI/BH/604	715429.09	738485.9	46.996	17.65	2008	Norwest Holst
	ABH30	715429.46	738467.13	46.55	30	2021	Causeway Phase 5
	RC76	715539.52	738205.23	41.98	44.8	2007	IGSL
	MGI/BH/652	715807.2	738197.56	41.816	30.05	2008	Norwest Holst
	NBH209	715403.78	738119.33	39.16	39	2019	Causeway Phase 2
	MGI/BH/612	715694.26	738048.26	36.875	30.15	2008	Norwest Holst
RC23	715373.33	738040.86	35.121	27	2007	IGSL	
GRIFFITH PARK <250	BH01 (GII)	715419.6	737466.4	21.07	32.1	2018	GII
	BH04 (GII)	715419.6	737466.4	21.07	29.4	2018	GII
	MGI/BH/654	715596.66	737377.15	19.044	30.2	2008	Norwest Holst
	SURGE_4448	715514.72	737331.59	NR	0.1	2009	GSI
	SURGE_2132	715326.76	737272.6	NR	0.1	2009	GSI
	BH03 (GII)	715412.1	737111.8	9.7	19.5	2018	GII
	MGI/BH/653	715671.57	737085.28	15.748	30	2008	Norwest Holst
GLASNEVIN STN <250	SURGE_2127	714545.92	736827.7	NR	0.1	2009	GSI
	GBH11	714468.46	736817.41	28.79	15.5	2020	Causeway Phase 4
	NBH213	715035.55	736678.19	24.09	31	2019	Causeway Phase 1
	ABH35	715029.22	736642.7	24.06	29	2021	Causeway Phase 5
	BH46	714247.38	736639.3	32.657	7.4	2007	IGSL
	BH18	715110.77	736631.34	23.423	4.9	2007	IGSL
	RC18	715110.77	736631.34	23.423	44.15	2007	IGSL
	GBH09	714644.32	736604.33	28.34	15.1	2020	Causeway Phase 4
	GTP21	714413.65	736575.48	32.91	0.75	2020	Causeway Phase 4
	GTP19	714493.37	736532.96	32.99	0.55	2020	Causeway Phase 4
	SURGE_2126	714879.85	736505.77	NR	0.1	2009	GSI
	BH02A	715025.3	736493.2	24.37	35.4	2018	GII
	GTP16	714588.77	736486	32.82	0.45	2020	Causeway Phase 4
	GBH06	714786.4	736479.41	27.76	15	2020	Causeway Phase 4
	SURGE_2125	714341.96	736455.78	NR	0.1	2009	GSI
	GTP14	714680.1	736448.74	32.82	0.7	2020	Causeway Phase 4
	NBH18	715055.26	736378.66	24.25	37.1	2019	Causeway Phase 1
	SURGE_2129	715124.79	736177.84	NR	0.1	2009	GSI
	BH17	715293.33	736176.57	20.886	10.6	2007	IGSL
	RC17	715293.33	736176.57	20.886	43	2007	IGSL
MATER STATION <250	NBH104	715007.44	736154.03	24.84	32	2019	Causeway Phase 1
	NBH83	715004.8	736150.8	27.1	40	2019	Causeway Phase 1
	NBH214	715035.55	735940.69	22.81	33	2019	Causeway Phase 2
	ABH39	715069.22	735910.12	25.12	32.9	2021	Causeway Phase 5
	BH D	715378.03	735863.51	14.96	8	2002	IGSL
	NBH84	715077.4	735846.2	23.5	45	2019	Causeway Phase 1

Station	Exploratory Hole ID	Easting	Northing	Ground Level (mAOD)	Depth of Hole (m)	Year	GI Engineer
	A1	715469.71	735826.53	14.81	50.1	2009	Norwest Holst
	A2	715466.03	735825.61	14.94	20	2009	Norwest Holst
	BH G	715350.53	735823.58	15.82	2.1	2002	IGSL
	BH I	715376.35	735813.78	15.78	7	2002	IGSL
	BH F	715448.08	735803.98	14.74	8	2002	IGSL
	MGI/BH/641	715455.4	735799.25	14.938	35	2008	Norwest Holst
	MGI/BH/642A	715459.49	735789.74	15.57	12.8	2008	Norwest Holst
	B1	715508.36	735780.25	15.09	40	2009	Norwest Holst
	BH C	715309.4	735746.12	17.6	8	2002	IGSL
	MGI/BH/640	715507.01	735736.73	15.43	20.6	2008	Norwest Holst
	C	715507.537	735734.732	15.46	30	2009	Norwest Holst
	D	715483.3	735691.01	16.91	40.05	2009	Norwest Holst
	BH E	715432.3	735688.73	17.28	7.9	2002	IGSL
	MGI/BH/642	715501.14	735683.67	16.485	0.3	2008	Norwest Holst
	BHA/A1	715318.97	735681.56	17.25	14.2	2002	IGSL
	E2	715505.2169	735674.685	16.41	19	2009	Norwest Holst
	E1	715509.626	735672.9954	16.29	45.1	2009	Norwest Holst
	AGI/BH/MP001	715494.03	735669.98	17.27	33.7	2010	IGSL
	AGI/BH/MP002	715491.03	735665.88	17.37	33.2	2010	IGSL
	BH B/B1	715358.18	735665.06	17.02	9	2002	IGSL
	AGI/BH/MP003	715489.03	735661.18	17.56	35.3	2010	IGSL
	AGI/BH/MP004	715478.43	735630.89	17.62	35.35	2010	IGSL
	MGI/BH/637	715446.38	735629.09	17.307	35.2	2008	Norwest Holst
	SURGE_2122	715023.81	735613.96	NR	0.1	2009	GSI
	AGI/BH/MP013	715469.34	735613.79	17.58	32.6	2010	IGSL
	AGI/RC/MP05	715431.97	735558.69	18.297	40.6	2010	IGSL
	BH15 (WIMTEC)	715212.77	735541.98	21.4	34.75	2000	Wimtec
	NBH85	715350.5	735496.4	20.5	40	2019	Causeway Phase 1
	AGI/BH/MP06	715443.79	735471.62	18.114	8.4	2010	IGSL
	AGI/RC/MP06	715443.79	735471.62	18.114	40	2010	IGSL
	MGI/BH/701	715421.1	735464.6	18.646	12.27	2008	Norwest Holst
	NBH217	715368.59	735430.15	19.49	32	2019	Causeway Phase 2
O'CONNELL ST <250	MGI/BH/702	715567.43	735171.36	12.874	28.4	2008	Norwest Holst
	SURGE_2118	715618.68	735159.06	NR	0.1	2009	GSI
	MGI/BH/704	715627.2	735158.73	11.41	25.5	2008	Norwest Holst
	NBH302	715624.65	735153.98	11.46	34	2019	Causeway Phase 2
	BH12	715669.38	735103.06	8.834	27	2007	IGSL
	RC12	715669.38	735103.06	8.834	46.7	2007	IGSL
	BH20 (WIMTEC)	715504.7	735064.08	10.1	33	2000	Wimtec
	MGI/BH/707	715815.74	735055.98	5.513	15.7	2008	Norwest Holst
	BH12 (WIMTEC)	715723.65	735024.09	5.9	30	2000	Wimtec
	NBH303	715719.88	735014.31	5.59	26	2019	Causeway Phase 2
	MGI/BH/706	715697.52	734991.08	5.536	27.1	2008	Norwest Holst
	BH11	715816.4	734960.42	4.875	11.8	2007	IGSL
	RC11	715816.4	734960.42	4.875	43.7	2007	IGSL
	BH17 (WIMTEC)	715630.67	734944.1	5.25	35	2000	Wimtec
	BH10	715780.97	734872.3	4.932	2.1	2007	IGSL
	BH11 (WIMTEC)	715789.64	734849.12	5.15	30	2000	Wimtec
	BH16 (WIMTEC)	715513.7	734835.13	5.05	30	2000	Wimtec

Station	Exploratory Hole ID	Easting	Northing	Ground Level (mAOD)	Depth of Hole (m)	Year	GI Engineer
	BH9	715901.24	734782.67	4.182	11.2	2007	IGSL
	RC09	715901.24	734782.67	4.182	41.7	2007	IGSL
	MGI/BH/708	715801.84	734743.02	4.626	31.2	2008	Norwest Holst
	BH37 (WIMTEC)	715998.59	734708.15	3.65	30	2000	Wimtec
	BH14 (WIMTEC)	715663.66	734693.16	5.6	30	2000	Wimtec
	BH10 (WIMTEC)	715841.63	734671.16	4.75	30	2000	Wimtec
	MNEWSS02	715850.05	734627.3	4.72	34.75	2010	IGSL
	MNEWSS01	715862.25	734586.41	4.47	18.25	2010	IGSL
	1 (IGSL02)	715880.09	734523.09	2.12	11.6	2002	IGSL
2 (IGSL02)	715884.42	734508.8	4.07	7.7	2002	IGSL	
TARA STATION <250	BH07 (WIMTEC)	716176.55	734645.16	3.1	30	2000	Wimtec
	BH08 (WIMTEC)	715868.62	734576.18	4.4	30	2000	Wimtec
	BH23 (WIMTEC)	714956.81	734567.19	5.6	30	2000	Wimtec
	SURGE_2263	716363.51	734566.18	NR	0.1	2009	GSI
	SURGE_4197	716224.54	734566.18	NR	0.1	2009	GSI
	NBH86	716007.8	734534.5	3.5	45	2019	Causeway Phase 1
	BX/BH01	716022.8	734474.8	-3.92	15.9	2008	Norwest Holst
	MGI/BH/716	715933.88	734469.73	3.498	60.25	2008	Norwest Holst
	BX/BH02	716028.8	734447.97	-4.02	14.8	2008	Norwest Holst
	MGI/BH/712	715944.95	734442.72	-4.285	40.1	2008	Norwest Holst
	MGI/BH/715	716000.7	734422.25	3.716	59.5	2008	Norwest Holst
	MGI/BH/711	715950.82	734416.59	-3.7	39.7	2008	Norwest Holst
	ABH48	716213.63	734383.84	3.39	29	2021	Causeway Phase 5
	MGI/BH/718	715954.34	734343.47	4.446	7.9	2008	Norwest Holst
	SURGE_2262	716614.46	734328.23	NR	0.1	2009	GSI
	BH03 (WIMTEC)	716078.57	734247.25	3.95	30	2000	Wimtec
	NBH87	716339.8	734163.1	3.4	40	2019	Causeway Phase 1
SURGE_4201	716216.54	734042.29	NR	0.1	2009	GSI	
SURGE_4200	716348.51	734008.3	NR	0.1	2009	GSI	
ST STEPHEN'S <250	NBH106	716196.65	733599.94	11.2	33	2019	Causeway Phase 1
	NBH90	716187	733570.5	11.9	40	2019	Causeway Phase 1
	MGI/BH/728	715870.38	733556.08	11.52	30	2008	Norwest Holst
	SURGE_2015	715860.61	733546.4	NR	0.1	2009	GSI
	MGI/BH/729	715834.58	733513.34	11.72	7.8	2008	Norwest Holst
	MGI/BH/730	715884.06	733457.32	11.775	35.45	2008	Norwest Holst
	MGI/BH/724	715852.47	733446.7	12.035	35.6	2008	Norwest Holst
	MGI/BH/733	715944.28	733342.41	11.86	35	2008	Norwest Holst
	MGI/BH/732	715782.2	733335.84	12.107	34.7	2008	Norwest Holst
	NBH91	716063.6	733159.7	12.5	40	2019	Causeway Phase 1
	NBH220	716067.77	733151.62	12.34	30	2019	Causeway Phase 2
	NBH107	716020.61	733023.89	13.21	32	2019	Causeway Phase 1
	ABH55	716003.78	733021.58	13.22	30	2021	Causeway Phase 5
NBH92	715995.2	732995.3	13.5	40	2019	Causeway Phase 1	
CHARLEMONT STN <250	NBH93	716013.1	732804.8	13.8	40	2019	Causeway Phase 1
	1 (IGSL95)	715882.6	732708.59	NR	9	1995	IGSL
	NBH222B	716063.54	732692.4	15.43	30	2019	Causeway Phase 2
	2 (IGSL95)	715960.58	732647.6	NR	5	1995	IGSL
	CB1	715973.58	732603.61	15.84	8.2	1995	IGSL
	6 (IGSL95)	716082.55	732399.65	20.86	5	1995	IGSL

Station	Exploratory Hole ID	Easting	Northing	Ground Level (mAOD)	Depth of Hole (m)	Year	GI Engineer
	NBH110	716136.07	732276.96	16.77	31.7	2019	Causeway Phase 1
	SURGE_2003	715986.57	732251.68	NR	0.1	2009	GSI
	9 (IGSL95)	716141.54	732216.69	NR	5	1995	IGSL

Notes

NR - Not Recorded

Table 20.2.5: Summary of Groundwater Monitoring Locations

AZ	Area	Location Reference	Monitoring Date	No. of Monitoring rounds
AZ1	Estuary	NBH72-S	2021	2
		Broad Meadow Viaduct	RC143-D	2008
	Estuary – Seatown	RC108	2008	1
		RC104	2008	1
		NBH401	2021	2
		NBH402	2021	2
		NBH406	2021	2
	Fostertown - North Portal	ABH08	2021	3
		ABH08ii	2021	3
ABH09		2021	3	
AZ2	Dublin Airport Station	NBH04	2021	2
		NBH60	2021	1
		NBH61	2021	1
		NBH62	2021	2
		ABH10	2021	3
		ABH12	2021	3
	South Portal	MN/104/BH003	2011	1
		NBH06	2019	2
AZ3	Dardistown Depot	MN/104/TP/006	2011	1
		MN/104/BH/002A	2011	1
		AWN01	2021	2
		AWN02	2021	2
	Northwood Station	NBH12	2021	5
		NBH73-S	2021	2
		ABH21	2021	3
	AZ4	Ballymun Station	NBH203A-S	2021
NBH203A-D			2021	2
ABH25			2021	3
Collins Avenue Station		NBH207-D	2021	3
		NBH102-S	2021	2
Albert College Park Shaft		ABH30i	2021	3

AZ	Area	Location Reference	Monitoring Date	No. of Monitoring rounds
	Griffith Park Station	NBH211	2021	2
		NBH17	2021	5
		NBH233-D	2021	1
		NBH233-S	2021	1
		BH01 (GII)	2018	1
		BH03 (GII)	2018	1
		BH04 (GII)	2018	1
	Glasnevin Station	NBH19A	2019-2021	4
		NBH19W	2021	2
		NBH20-S	2021	2
		GBH01-D	2021	1
		GBH01-S	2021	1
		GBH02-D	2021	1
		GBH02-S	2021	1
		GBH04-D	2021	1
		GBH04-S	2021	1
		GBH13	2021	1
		NBH19A	2021	4
		NBH19W	2021	5
		NBH20-S	2021	2
		BH02A	2018	1
		NBH18-S	2021	2
		GBH06	2021	2
		GBH09	2021	2
		GBH11	2021	1
		NBH213	2021	3
		Mater Station	NBH21-S	2021
	NBH215-S		2021	1
	NBH215-D		2021	1
	NBH216A-D		2021	2
	NBH216A-S		2021	2
	NBH217		2021	3
	B1		2008	1
	C		2008	1
	E1-S		2008	1
	E1-D		2008	1
	E2		2008	1
	ABH39		2021	3
	ABH40		2021	3
	O'Connell Street Station	NBH23	2019	2
NBH23A		2019-2021	4	
NBH23W		2021	3	
NBH24-S		2021	2	
NBH22-S		2021	2	

AZ	Area	Location Reference	Monitoring Date	No. of Monitoring rounds
	Tara Station	NBH25-S	2021	2
		NBH26CA	2021	2
		NBH26CW	2021	5
		NBH64	2021	2
	St Stephen's Green Station	NBH219B-S	2021	2
		NBH219B-D	2021	2
		ABH53	2022	3
	Charlemont Station	NBH30W	2019	2
		NBH31	2021	3
		ABH59	2021	3

Table 20.2.6: Summary of Ground Gas Monitoring Locations

AZ	Area	Location Reference	Monitoring Date	No. of Monitoring rounds
AZ1	Estuary	NBH72-S	2021	2
	Estuary - Seatown	NBH403-S	2021	2
AZ2	Dublin Airport Station	NBH04	2021	2
		NBH60	2021	2
		NBH61	2021	2
		NBH62	2021	2
	South Portal	NBH05-S	2021	3
		NBH07	2021	3
AZ3	Dardistown Depot	AWN01	2021	1
		AWN02	2021	1
	Northwood Station	NBH73-S	2021	2
AZ4	Albert College Park Intervention Shaft	ABH30i	2021	1
	Griffith Park Station	NBH223-S	2021	2
	Glasnevin Station	GBH02-S	2021	3
		GBH04-S	2021	3
		NBH18-S	2021	2
	Mater Station	C	2018	8
		E2	2018	3
	O'Connell Street Station	NBH22-S	2021	3
		NBH24-S	2021	3
		NBH63	2021	3
	Tara Station	NBH25-S	2021	3
NBH64		2021	3	