

Appendix A.10.3

Water Level Monitoring Database

A.10.3

Monitoring Point	Hydrogeological feature	Geology	Groundwater Body	Source	Easting ITM	Northing ITM	Ground Elevation (mOD)	No. of records	Seasonal Variation			Monthly Water Level Record 2015																	
									m OD		m	m OD																	
									Min	Max	Range	Feb-15	Apr-15	Jun-15			Jul-15		Aug-15		Sep-15	Oct-15			Nov-15	Dec-15			
												26th	26th	4th	24th	25th	21st	22nd	20th	21st	29th	14th	15th	16th	18th	15th	21st		
RC422	Monitoring well	Granite	Spiddal	N6 GCOB	524196	724742	21.20	14	19.45	20.75	1.30					19.67	20.33			20.07			19.91		20.75			20.56	
RC435	Monitoring well	Granite		N6 GCOB	524479	725777	59.19	14	56.13	56.58	0.45					56.24	56.49			56.34			56.31		56.58			56.57	
RC451A	Monitoring well	Granite		N6 GCOB	525153	726691	71.70	14	69.43	70.04	0.61					69.64	69.72			69.66			56.31		69.85			70.04	
RC 548	Monitoring well	Granite		N6 GCOB	521102	723826	50.84	14	49.67	50.73	1.06					49.67	50.64			49.90			50.32		50.65			50.63	
RC 687	Monitoring well	Granite		N6 GCOB	522901	725359	69.56	14	68.78	69.16	0.38					68.90	69.06			68.97			68.99		69.09			69.09	
RC 739	Monitoring well	Granite		N6 GCOB	524763	725951	59.64	14	58.45	58.86	0.41					58.52	58.79			58.65		58.66			58.85			58.83	
BH-3-04R	Monitoring well	Granite		N6 GCOB	523646	724287	36.82	9	36.23	36.70	0.47																		
BH-3-06R	Monitoring well	Granite		N6 GCOB	524241	724825	23.09	10	21.87	22.22	0.35																		
BH-3-08R	Monitoring well	Granite		N6 GCOB	524621	725069	42.05	8	39.85	41.39	1.54																		
BH-3-10R	Monitoring well	Granite		N6 GCOB	525321	725604	66.51	7	63.37	64.66	1.29																		
BH-3-11R	Monitoring well	Granite		N6 GCOB	525784	725831	54.24	9	52.83	53.27	0.44																		
BH-3-13R	Monitoring well	Granite		N6 GCOB	526079	726036	58.65	6	52.85	57.12	4.27																		
BH-3-16R	Monitoring well	Granite		N6 GCOB	526765	726611	61.66	7	57.64	58.45	0.81																		
BH-3-17R	Monitoring well	Granite	Maam-Clonbur	N6 GCOB	527021	726805	65.33	9	62.46	62.93	0.47																		
BH-3-18R	Monitoring well	Granite		N6 GCOB	527254	726894	70.64	7	68.03	69.11	1.08																		
BH-3-20R	Monitoring well	Granite		N6 GCOB	527214	727669	51.63	7	47.83	48.61	0.78																		
BH-3-21	Monitoring well	Subsoil		N6 GCOB	527144	726345	37.76	4	36.21	36.49	0.28																		
BH-3-23R	Monitoring well	Granite		N6 GCOB	527774	727346	26.93	8	22.32	23.46	1.14																		
BH-3-24R	Monitoring well	Granite		N6 GCOB	528036	727521	25.16	8	20.97	22.77	1.80																		
MW 01	Monitoring well	Limestone	GWDTE Lough Corrib Fen 1 (Menlough)	N6 GCOB	528670	727956	16.14	16	10.61	13.89	3.28				11.04			12.26	11.07					11.03	13.57			13.45	
MW 02	Monitoring well	Limestone		N6 GCOB	528715	728095	13.37	16	6.15	7.90	1.75				6.22			6.86	6.43					6.31		7.90			7.64
MW 03	Monitoring well	Limestone		N6 GCOB	528920	727970	6.70	19	5.80	6.46	0.66				5.86			6.08	5.96		6.05			5.90		5.95			6.46
SW-2-4	Western Coolagh Spring K25	Limestone		N6 GCOB	529045	727934	5.41	5	5.70	6.37	0.67				5.73			5.81						5.86					
BH-3-27R	Monitoring well	Limestone		N6 GCOB	528960	728133	9.10	4	5.90	6.41	0.51																		
RC133	Monitoring well	Limestone		N6 GCOB	529325	728185	11.66	21	5.73	8.16	2.43	7.91			6.19		7.53	7.46	6.71					6.30		7.91			7.90
RP-2-05D	Monitoring well	Limestone		N6 GCOB	529701	727145	19.96	14	5.73	7.78	2.05									6.59				6.14		7.63			7.78
RP-2-05S	Monitoring well	Limestone		N6 GCOB	529704	727141	20.22	14	8.86	12.01	3.15									8.86				10.06		12.01			11.94
BH972	Monitoring well	Limestone		N6 GCOB	529462	728292	12.33	2	5.70	8.20	2.50	7.41															8.20		
BH-3-29R	Monitoring well	Limestone		N6 GCOB	529489	728334	13.73	3	<6.83	9.23	>2.40																		
SW-2-5	Eastern Coolagh Spring K45	Subsoil		N6 GCOB	529900	728162	7.06	5	7.65	7.78	0.13				7.60			7.63						7.60					
LQ MW6	Monitoring well	Limestone		Private	529919	727971	15.40	17	12.11	13.20	1.09				12.47	12.13			12.49	12.27					12.53	13.20			12.62
BH04	Monitoring well	Limestone		N6 GCOB	530151	728400	32.17	11	8.20	15.74	7.54																15.69		
BH05	Monitoring well	Limestone	N6 GCOB	530187	728378	34.14	11	8.08	19.46	11.38																18.63			

Monitoring Point	Hydrogeological feature	Geology	Groundwater Body	Source	Easting ITM	Northing ITM	Ground Elevation (mOD)	No. of records	Seasonal Variation			Monthly Water Level Record 2015																
									m OD		m	m OD																
									Min	Max		Range	Feb-15	Apr-15	Jun-15		Jul-15		Aug-15		Sep-15	Oct-15			Nov-15	Dec-15		
26th	26th	4th	24th	25th	21st	22nd	20th	21st	29th	14th	15th	16th	18th	15th	21st													
BH06	Monitoring well	Subsoil		N6 GCRR	530125	728383	30.80	11	15.20	27.97	12.77													15.20				
LQ MW5	Monitoring well	Limestone	Clare Corrib	Private	530389	728285	7.40	16	10.71	19.17	8.46				11.24			14.89	12.41					10.71		19.17		17.83
LQ MW4	Monitoring well	Limestone		Private	530522	728557	16.76	19	8.71	15.41	6.70			10.40	10.08		8.71		11.06	9.27		10.36		8.93		13.93		15.31
RC 1104	Monitoring well	Limestone		N6 GCOB	531165	728927	9.39	11	7.24	7.83	0.60					7.36			8.46	7.91				7.62				
BH-3-31R	Monitoring well	Limestone		N6 GCRR	531274	728424	11.08	3	9.45	9.78	0.33																	
RC206	Monitoring well	Limestone		N6 GCRR	531237	729433	28.49	17	19.29	21.11	1.82				19.26			21.03	21.02		21.02		21.02		21.09		21.08	
SW-2-01	Ballindooley Lough	Subsoil		N6 GCRR	531620	728723	8.43	5	8.66	10.30	1.64				9.07				9.02					9.04				
RP-2-03	Monitoring well	Limestone		N6 GCRR	531478	728278	22.44	13	4.95	9.09	4.14										6.51			5.50	9.09		8.26	
RP-2-01	Monitoring well	Limestone		N6 GCRR	531726	728689	21.38	14	7.86	10.28	2.42									8.15		8.50		10.09		10.28		
BH-3-46R	Monitoring well	Limestone		N6 GCRR	531750	728392	29.81	8	16.79	17.32	0.53																	
RC 1206	Monitoring well	Limestone		N6 GCRR	531986	729388	27.67	16	17.05	19.45	2.40	19.45			17.08			17.18	17.11			17.10		17.25		17.25		
BH-3-32R	Monitoring well	Limestone		N6 GCRR	531971	728318	24.43	1	<9.43	10.24	>0.81																	
RC 1211	Monitoring well	Limestone		N6 GCRR	532454	729601	25.91	15	20.25	22.03	1.78	21.09			20.25			20.76	20.51			20.28		21.05		21.03		
BH-3-34R	Monitoring well	Limestone		N6 GCRR	532405	728275	32.57	7	19.69	25.91	6.22																	
BH-3-35R	Monitoring well	Limestone		N6 GCRR	532851	728226	17.52	7	7.91	9.15	1.24																	
BH-3-47R	Monitoring well	Limestone	N6 GCRR	533062	728286	37.74	5	27.55	27.74	0.19																		
BH-3-36R	Monitoring well	Limestone	N6 GCRR	533125	728205	51.78	13	32.80	34.00	1.20																		
RC-2-02	Monitoring well	Limestone	N6 GCRR	533685	728102	54.92	5	44.02	44.61	0.59																		
GRC1	Supply well	Limestone	Private	533934	727949	53.22	11	5.11	11.69	6.58														10.99				
BH-3-38R	Monitoring well	Limestone	N6 GCRR	534249	727541	45.17	15	42.55	43.83	1.28																		
BH-3-40R	Monitoring well	Limestone	N6 GCRR	534439	727295	42.39	13	39.30	39.89	0.59																		
BH-3-41R	Monitoring well	Limestone	N6 GCRR	534580	727065	41.49	13	37.51	38.36	0.85																		
BH-3-42R	Monitoring well	Limestone	N6 GCRR	534756	726840	32.60	14	29.50	30.12	0.62																		
BH-3-48R	Monitoring well	Limestone	N6 GCRR	534397	727197	40.48	13	39.17	39.32	0.15																		

Monitoring Point	Hydrogeological feature	Geology	Groundwater Body	Monthly Water Level Record 2016																										
				m OD																										
				Jan-16					Mar-16						Apr-16				May-16				Jun-16			Jul-16				
				5th	11th	14th	18th	19th	1st	3rd	11th	12th	16th	21st	6th	7th	8th	14th	10th	11th	13th	24th	8th	9th	13th	18th	20th	21st	22nd	
RC422	Monitoring well	Granite	Spiddal				20.34		20.51						20.27				19.84				19.45				19.91			
RC435	Monitoring well	Granite					56.49		56.53						56.47				56.43				56.13				56.32			
RC451A	Monitoring well	Granite					69.97			69.98							69.81			69.61				69.44					69.43	
RC 548	Monitoring well	Granite					50.64			50.73							50.62			50.11				49.71					50.39	
RC 687	Monitoring well	Granite					69.06			69.07							69.05			69.01				68.78					69.16	
RC 739	Monitoring well	Granite					58.82			58.86							58.85			58.74				58.45					58.67	
BH-3-04R	Monitoring well	Granite										36.36			36.30				36.35				36.23			36.24	36.34			
BH-3-06R	Monitoring well	Granite										22.22							22.14				21.95			21.87	21.99			
BH-3-08R	Monitoring well	Granite										40.53							41.39				40.03			39.86	40.25			
BH-3-10R	Monitoring well	Granite																	63.37				64.08			63.88	64.16			
BH-3-11R	Monitoring well	Granite												53.27			52.96			53.13			52.84			52.83	53.09			
BH-3-13R	Monitoring well	Granite																	56.94				53.27			52.85	56.66			
BH-3-16R	Monitoring well	Granite																	57.74				57.72			57.64	57.72			
BH-3-17R	Monitoring well	Granite	Maam-Clonbur												62.72			62.86				62.54			62.46	62.68				
BH-3-18R	Monitoring well	Granite														68.03			69.11						68.09	68.34				
BH-3-20R	Monitoring well	Granite																	48.61				48.13			47.83	48.47			
BH-3-21	Monitoring well	Subsoil																	36.44				36.21				36.49			
BH-3-23R	Monitoring well	Granite														23.46			22.62				22.38			22.32	22.93			
BH-3-24R	Monitoring well	Granite														22.64			22.77				21.76			21.92	21.91			
MW 01	Monitoring well	Limestone	GWDTE Lough Corrib Fen 1 (Menlough)					12.47	13.89						12.03						11.01			10.61			11.29			
MW 02	Monitoring well	Limestone						7.34	7.80								7.14					6.33			6.15			6.48		
MW 03	Monitoring well	Limestone						6.28	6.37							6.14						5.96			5.80			5.98		
SW-2-4	Western Coolagh Spring K25	Limestone												5.84											5.87					
BH-3-27R	Monitoring well	Limestone																	6.41				6.13			5.90	6.20			
RC133	Monitoring well	Limestone						7.70	8.16							7.45						6.83			5.73			7.01		
RP-2-05D	Monitoring well	Limestone						7.70	7.48							7.28						7.03			6.88			7.02		
RP-2-05S	Monitoring well	Limestone						11.33	11.85							11.04						10.67			10.04			11.03		
BH972	Monitoring well	Limestone																												
BH-3-29R	Monitoring well	Limestone																		7.54										
SW-2-5	Eastern Coolagh Spring K45	Subsoil												7.55														7.59		
LQ MW6	Monitoring well	Limestone						12.55								12.46						12.27			12.11			12.32		
BH04	Monitoring well	Limestone			14.29	15.74									12.52				11.78				9.46			8.20			9.84	

Monitoring Point	Hydrogeological feature	Geology	Groundwater Body	Monthly Water Level Record 2016																											
				m OD																											
				Jan-16					Mar-16					Apr-16				May-16				Jun-16			Jul-16						
				5th	11th	14th	18th	19th	1st	3rd	11th	12th	16th	21st	6th	7th	8th	14th	10th	11th	13th	24th	8th	9th	13th	18th	20th	21st	22nd		
BH05	Monitoring well	Limestone		19.46	16.66																										
BH06	Monitoring well	Subsoil		27.97	27.75																										
LQ MW5	Monitoring well	Limestone	Clare Corrib					16.29	17.19																						
LQ MW4	Monitoring well	Limestone				15.41			15.06	13.76																					
RC 1104	Monitoring well	Limestone																													
BH-3-31R	Monitoring well	Limestone																													
RC206	Monitoring well	Limestone							21.06	21.10																					
SW-2-01	Ballindooley Lough	Subsoil																													
RP-2-03	Monitoring well	Limestone							7.90	7.70																					
RP-2-01	Monitoring well	Limestone							10.28	9.98																					
BH-3-46R	Monitoring well	Limestone																													
RC 1206	Monitoring well	Limestone							17.95	17.19																					
BH-3-32R	Monitoring well	Limestone																													
RC 1211	Monitoring well	Limestone							20.91	22.03																					
BH-3-34R	Monitoring well	Limestone																													
BH-3-35R	Monitoring well	Limestone																													
BH-3-47R	Monitoring well	Limestone		Clarinbridge																											
BH-3-36R	Monitoring well	Limestone																													
RC-2-02	Monitoring well	Limestone																													
GRC1	Supply well	Limestone							9.03	8.60																					
BH-3-38R	Monitoring well	Limestone																													
BH-3-40R	Monitoring well	Limestone																													
BH-3-41R	Monitoring well	Limestone																													
BH-3-42R	Monitoring well	Limestone																													
BH-3-48R	Monitoring well	Limestone																													

Monitoring Point	Hydrogeological feature	Geology	Groundwater Body	Monthly Water Level Record 2016																	Monthly Water Level Record 2017			
				m OD																	m OD			
				Aug-16					Sep-16			Nov-16				Dec-16					Jan-17	Apr-17		
				18th	22nd	23rd	24th	25th	26th	28th	29th	30th	2nd	3rd	4th	9th	6th	7th	8th	9th	23rd	11th		
RC422	Monitoring well	Granite	Spiddal		20.17					20.43														
RC435	Monitoring well	Granite			56.37					56.54														
RC451A	Monitoring well	Granite							69.52	69.62														
RC 548	Monitoring well	Granite							50.57	50.43														
RC 687	Monitoring well	Granite							68.99	69.05														
RC 739	Monitoring well	Granite							58.78	58.86														
BH-3-04R	Monitoring well	Granite			36.28						36.32					36.70								
BH-3-06R	Monitoring well	Granite			21.95						22.01		22.07			22.13	21.97							
BH-3-08R	Monitoring well	Granite			39.85						39.85					40.36								
BH-3-10R	Monitoring well	Granite			63.92						64.07					64.66								
BH-3-11R	Monitoring well	Granite			52.86						52.94					53.10								
BH-3-13R	Monitoring well	Granite			53.99											57.12								
BH-3-16R	Monitoring well	Granite			57.67						57.88					58.45								
BH-3-17R	Monitoring well	Granite	Maam-Clonbur	62.48						62.49		62.93			62.50									
BH-3-18R	Monitoring well	Granite			68.06						68.16					68.34								
BH-3-20R	Monitoring well	Granite			47.98						48.08					48.48								
BH-3-21	Monitoring well	Subsoil														36.41								
BH-3-23R	Monitoring well	Granite			22.41						22.63					22.83								
BH-3-24R	Monitoring well	Granite			20.97						21.06					22.10								
MW 01	Monitoring well	Limestone	GWDTE Lough Corrib Fen 1 (Menlough)			12.25				11.86				11.32			11.10							
MW 02	Monitoring well	Limestone				6.64					6.56				6.43			6.41						
MW 03	Monitoring well	Limestone				6.05					6.06	6.08			5.96			5.92				6.05		
SW-2-4	Western Coolagh Spring K25	Limestone																						
BH-3-27R	Monitoring well	Limestone																						
RC133	Monitoring well	Limestone				7.54					7.56	7.62		6.87		6.39	6.55					7.08		
RP-2-05D	Monitoring well	Limestone						7.41		5.73				6.97				6.80						
RP-2-05S	Monitoring well	Limestone						11.23		11.45				10.96				10.71						
BH972	Monitoring well	Limestone																						
BH-3-29R	Monitoring well	Limestone								7.26						9.23								
SW-2-5	Eastern Coolagh Spring K45	Subsoil																						
LQ MW6	Monitoring well	Limestone					12.50			12.51	12.60			12.42			12.25							
BH04	Monitoring well	Limestone					11.47				10.38			9.55										
BH05	Monitoring well	Limestone					11.42				11.17			9.51										
BH06	Monitoring well	Subsoil				24.45				25.62			25.66											

Monitoring Point	Hydrogeological feature	Geology	Groundwater Body	Monthly Water Level Record 2016																Monthly Water Level Record 2017										
				m OD																m OD										
				Aug-16						Sep-16			Nov-16				Dec-16			Jan-17	Apr-17									
				18th	22nd	23rd	24th	25th	26th	28th	29th	30th	2nd	3rd	4th	9th	6th	7th	8th	9th	23rd	11th								
LQ MW5	Monitoring well	Limestone	Clare Corrib				15.77										13.73							11.34						
LQ MW4	Monitoring well	Limestone					10.93											9.18												
RC 1104	Monitoring well	Limestone						8.08																						
BH-3-31R	Monitoring well	Limestone																												
RC206	Monitoring well	Limestone																												
SW-2-01	Ballindooley Lough	Subsoil																												
RP-2-03	Monitoring well	Limestone																												
RP-2-01	Monitoring well	Limestone																												
BH-3-46R	Monitoring well	Limestone																												
RC 1206	Monitoring well	Limestone																												
BH-3-32R	Monitoring well	Limestone																												
RC 1211	Monitoring well	Limestone																												
BH-3-34R	Monitoring well	Limestone																												
BH-3-35R	Monitoring well	Limestone																												
BH-3-47R	Monitoring well	Limestone		Clarinbridge																										
BH-3-36R	Monitoring well	Limestone																												
RC-2-02	Monitoring well	Limestone																												
GRC1	Supply well	Limestone																												
BH-3-38R	Monitoring well	Limestone																												
BH-3-40R	Monitoring well	Limestone																												
BH-3-41R	Monitoring well	Limestone																												
BH-3-42R	Monitoring well	Limestone																												
BH-3-48R	Monitoring well	Limestone																												