

APPENDIX

B SUMMARY OF MOECC WWR

Table 1: Summary of Available MOECC Water Well Records (500m radius)

MOECC Water Well ID	Easting	Northing	Elevation (m)	Total Depth (m)	Top Depth		Thickness		Stratigraphy				Water Found		Static Level		Water Kind	Date Completed	Status	Water Use
					(ft)	(m)	(ft)	(m)	Colour	Material #1	Material #2	Material #3	(ft)	(m)	(ft)	(m)				
6905492	624097	4834361	87.6	38.4	0		8		Black	Muck			118				Fresh	6-Jan-59	Water Supply	Public
					8		7		Blue	Clay										
					15		35			Gravel	Medium Sand	Clay								
					50		68		Blue	Clay										
					118		8			Medium Sand	Gravel									
6927604	623354	4834384	97.9	-	-	-	-	-	-	-	-	-	-	-	-	-	18-Mar-04	Abandoned - Other	Not Used	
6927735	622295	4834096	112.0	18.3		0.0		2.0	Brown	Sand	Gravel	Silt	9				Fresh	10-Mar-04	Dewatering	Not Used
						2.0		8.7	Brown	Sand	Silt	Silt								
						10.7		7.6	Grey	Sand	Silt	Silt								
6927874	623422	4834651	113.9	14.6	0		48		Brown	Sand	Silt	Fine Sand	37		-	-	-	19-May-04	Observation Well	Not Used
6927875	623422	4834651	113.9	14.6	0		48		Brown	Sand	Silt	Fine Sand	37		-	-	-	21-May-04	Observation Well	-
6927941	623343	4834348	95.7	15.3		0.0		0.2	Brown	Topsoil			-	-	-	-	-	9-Jun-04	Observation Well	Not Used
						0.2		15.1	Brown	Sand	Silt									
6927942	6233436	4834352	96.2	15.3		0.0		0.2	Brown	Topsoil			-	-	-	-	-	9-Jun-04	Observation Well	Not Used
						0.2		15.1	Brown	Sand	Silt									
6928431	623068	4833715	100.0	9.1		0.0		9.1		Sand			-	-	-	-	-	17-Sep-04	Observation Well	Not Used
6929457	623257	4835227	114.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12-Sep-05	Observation Well	-
6929537	624450	4834800	106.3	4.5		0.0		1.8	Brown	Sand	Gravel	Fill	2.7				-	8-Jun-05	Observation Well	-
						1.8		0.9	Brown	Sand	Dry									
						2.7		1.8	Brown	Sand	Water-bearing									
6929753	623443	4834524	103.0	0.3		0.0		0.3	Black	Topsoil	Loose		-	-	-	-	-	8-Dec-05	-	-
						0.3		0.0	Brown											

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					(ft)	(m)	(ft)	(m)	Colour	Material #1	Material #2	Material #3	(ft)	(m)	(ft)	(m)				
6930184	623426	4834246	81.5	9.1		0.0		0.3	Black	Fill		Loose	-	-	-	-	-	14-Apr-06	-	-
						0.3		3.4	Brown	Fill	Fill	Loose								
						3.7		2.4	Brown	Sand	Silt	Loose								
						6.1		2.7	Grey	Sand	Silt	Water-bearing								
						8.8		0.3	Grey	Clay	Silt	Dense								
6930629	621866	4834415	115.3	21.0		0.0		7.5	Brown	Sand			-	-	-	-	-	4-Aug-06	Observation Well	-
						7.5		8.5	Grey	Sand	Silty	Clay								
						16.0		5.0	Grey	Clay	Silty									
6930758	624469	4834791	108.2	6.0		0.0		0.2	Black				4.6	-	-	Fresh	19-Sep-06	Test Hole	Not Used	
						0.2		4.4	Brown	Sand	Silt	Dense								
						4.6		1.4	Grey	Sand	Silt	Dense								
7042815	623288	4835212	114.0	9.1		0.0		9.1	Brown	Medium Sand				7.3	-	-	Fresh	13-Mar-07	Observation Well	Not Used
7043241	624453	4834779	107.9	7.3		0.0		0.9	Brown	Fill	Gravel		-	-	-	-	-	21-Mar-07	Observation Well	-
						0.9		4.6		Sand	Silt									
						5.5		1.8		Sand	Silt									
7043663	624400	48/34589	111.5	13.6		0.0		1.5	Brown	Fill			7.5	-	-	Fresh	9-Apr-07	Observation Well	-	
						1.5		6.0	Brown	Sand	Silt									
						7.5		6.1	Grey	Clay	Silt									
7044260	621755	4834351	81.1	6.1		0.0		1.0	Brown	Silt			-	-	-	-	27-Apr-07	Observation Well	Not Used	
						1.0		5.1	Grey	Silt										
7046244	621772	4834386	93.0	7.0		0.0		0.5	Grey	Topsoil	Fill		1.2	-	-	-	16-Jun-07	Dewatering	Municipal	
						0.5		6.5	Brown	Sand	Silt									
7050788	624532	4834945	107.4	5.8		0.0		4.6	Brown	Fill			4.6	-	-	Fresh	5-Oct-07	Observation Well	Not Used	
						4.6		1.2	Brown	Silt	Fine Sand									
7110889	623910	4834439	111.0	16.8		0.0		16.0		Sand		Water-bearing	-	-	-	-	11-Aug-08	Observation Well	Monitoring	
						16.0		0.8		Sand		Water-bearing								

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MOECC Water Well ID	Easting	Northing	Elevation (m)	Total Depth (m)	Top Depth		Thickness		Stratigraphy				Water Found		Static Level		Water Kind	Date Completed	Status	Water Use
					(ft)	(m)	(ft)	(m)	Colour	Material #1	Material #2	Material #3	(ft)	(m)	(ft)	(m)				
7114248	622534	4834106	110.6	11.1	0.0		4.2		Brown	Sand		Loose	-	9.6	-	10.6	Fresh	17-Sep-08	Test Hole	Monitoring
					4.2		5.4		Brown	Fine Sand		Dense								
					9.6		1.5		Brown	Sand	Silt	Dense								
7115660	621748	4833753	74.3	12.1	0.0		1.0		Brown	Sand	Gravel	Loose	-	-	-	-	-	2-Jun-08	Observation Well	Monitoring
					1.0		6.6		Brown	Medium Sand		Soft								
					7.6		4.5		Brown	Coarse Sand										
7128334	623981	4834539	107.8	17.8	0.0		1.0		Brown	Topsoil	Sand	Soft	-	-	-	-	-	21-Jan-08	Observation Well	Not Used
					1.0		13.5		Brown	Sand	Dry	Dense								
					14.5		3.3		Brown	Sand		Water-bearing								
7136373	622106	4834000	101.8	7.5	0.0		0.6		Brown	Silt	Sand	Gravel	-	-	-	-	-	14-Dec-09	Test Hole	Test Hole
					0.6		4.0		Brown	Sand	Silt	Gravel								
					4.6		2.6		Brown	Sand	Silt									
					7.2		0.3		Brown	Silt	Clay									
7143195	622938	4834247	110.8	6.1	0.0		0.2		Grey				-	-	-	-	-	22-Mar-10	Observation Well	Monitoring
					0.2		0.1		Brown	Fill										
					0.3		5.8		Brown	Clay										
7143196	622934	4834250	110.8	3.7	0.0		0.3		Grey				-	-	-	-	-	22-Mar-10	Observation Well	Monitoring
					0.2		0.1		Brown	Fill										
					0.3		3.4		Brown	Clay										
7157748	622124	4833961	104.4	9.8	0		4		Brown	Fill		Water-bearing	-	-	-	-	-	25-Nov-10	Test Hole	Test Hole
					4		10		Brown	Sand		Water-bearing								
					14		4		Brown	Sand	Rock	Loose								
					18		7		Brown	Sand		Dry								
					25		7		Grey	Sand		Water-bearing								
7158746	623821	4834866	113.7	-	-	-	-	-	-	-	-	-	-	-	-	-	6-Jan-11	-	Test Hole	

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MOECC Water Well ID	Easting	Northing	Elevation (m)	Total Depth (m)	Top Depth		Thickness		Stratigraphy				Water Found		Static Level		Water Kind	Date Completed	Status	Water Use	
					(ft)	(m)	(ft)	(m)	Colour	Material #1	Material #2	Material #3	(ft)	(m)	(ft)	(m)					
7158747	623889	4834497	112.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6-Jan-11	Test Hole	Test Hole	
7158748	623815	4834837	113.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6-Jan-11	Test Hole	Test Hole	
7161934	623827	4834920	114.0	13.7	0		5		Brown	Gravel	Sand	Loose	-	-	-	-	-	-	1-Mar-11	Test Hole	Test Hole
					5		12		Brown	Sand	Sand	Loose									
					17		20		Brown	Sand		Packed									
					37		8		Brown	Sand		Water-bearing									
7162494	622003	4833904	99.3	7.6	0		20		Brown	Fill	Sand	Silt	-	-	-	-	-	24-Mar-11	Observation Well	Monitoring	
					20		5		Brown	Silt	Sand	Dense									
7164340	621963	4833922	97.3	6.1	0		2		Brown	Fill		Dry	-	-	-	-	-	-	3-Jun-11	Test Hole	Test Hole
					2		7		Brown	Sand		Dry									
					9		3		Brown	Sand		Water-bearing									
					12		8		Grey	Sand		Water-bearing									
7166794	622106	4834011	101.6	3.7	0		12		Brown	Sand	Fill	Gravel	-	-	-	-	-	11-Apr-11	Test Hole	Monitoring and Test Hole	
7166796	622122	4834008	102.8	4.0	0		13		Brown	Sand	Gravel	Fill	-	-	-	-	-	13-Jul-11	-	-	
7168068	622322	4834371	114.1	6.1	0		2		Brown	Fill			-	-	-	-	-	-	22-Jul-11	Observation Well	Monitoring and Test Hole
					2		18		Brown	Sand		Dense									
7168069	623225	4834373	105.9	7.3	0		24		Brown	Sand		Loose	-	-	-	-	-	22-Jul-11	Observation Well	Monitoring and Test Hole	
7168070	622328	4834391	114.1	7.6	0		1		Grey	Other			-	-	-	-	-	-	21-Jul-11	Monitoring and Test Hole	Monitoring and Test Hole
					1		1		Grey	Gravel											
					1		24		Brown	Sand											
7169843	622205	4833883	101.5	10.7	0		15		Brown	Sand	Silt	Dense	-	-	-	-	-	-	21-Sep-11	Test Hole	Monitoring and Test Hole
					15		10		Grey	Sand	Rock										
					25		10		Grey	Sand	Silt	Water-bearing									
7169844	622210	4833866	1400.5	12.2	0		15		Brown	Sand	Silt	Dense	-	-	-	-	-	-	21-Jun-11	Test Hole	Monitoring and Test Hole
					15		10		Grey	Clay	Silt										
					25		15		Grey	Sand	Silt	Water-bearing									

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					(ft)	(m)	(ft)	(m)	Colour	Material #1	Material #2	Material #3	(ft)	(m)	(ft)	(m)					
7172231	623349	4834360	95.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	31-Oct-11	-	-	
7172232	623357	4834341	91.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	31-Oct-11	-	-	
7173500	621939	4833909	96.9	6.1	0		15		Brown	Sand			-	-	-	-	-	-	19-Nov-10	Test Hole	Test Hole
					15		5		Grey	Sand											
7183785	622104	4833948	103.9	14.6	0		8		Brown	Fill			-	-	6	-	-	-	16-May-12	Dewatering	Test Hole
					8		5		Brown	Sand	Silt	Clay									
					13		22		Grey	Silt	Clay										
					35		13		Grey	Clay	Silt										
7183786	622104	4833948	103.9	13.1	0		5		Brown	Fill			-	-	-	-	-	-	16-May-12	Test Hole	Test Hole
					5		2		Brown	Clay	Sandy										
					7		2		Grey	Clay	Sandy										
					9		14		Grey	Silt	Clay										
					23		4		Grey	Silt	Clay										
					27		16		Grey	Clay	Silt										
7188803	622905	4834333	112.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21-Apr-12	-	-	
7190852	624567	4834864	106.1	4.6		0.0		4.6	Brown	Sand	Fill			2.1	-	-	Fresh	22-Oct-12	Observation Well	Monitoring	
7203750	624626	4834876	109.4	4.9		0.0		3.9		Sand	Gravel	Loose	-	1.8	-	-	-	-	18-Mar-13	Test Hole	Monitoring
						3.9		1.0	Grey	Sand	Gravel	Loose									
7207767	622096	4834009	101.0	15.2	0		13		Brown	Sand	Silt	Loose	38	-	-	-	Untested	13-May-13	Monitoring and Test Hole	Monitoring and Test Hole	
					13		8		Grey	Sand	Silt	Loose									
					21		29		Grey	Sand		Silty									
7208409	623288	4834378	103.6	13.6		0.0		1.5		Fill			-	-	-	-	-	-	11-Jun-13	Observation Well	Monitoring
						1.5		4.6		Silt	Clay										
						6.1		7.5		Sand	Gravel										

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					(ft)	(m)	(ft)	(m)	Colour	Material #1	Material #2	Material #3	(ft)	(m)	(ft)	(m)				
7208410	623314	4834350	102.0	6.1		0.0		1.5		Fill				-	-	-	-	11-Jun-13	Observation Well	Monitoring
						1.5		4.6		Silt	Clay									
7208411	623310	4834262	93.2	7.6		0.0		1.5		Fill				-	-	-	-	12-Jun-13	Observation Well	Monitoring
						1.5		4.6		Silt	Clay									
						6.1		1.5		Sand	Clay									
7208412	623327	4834157	83.7	7.6		0.0		1.5		Fill				-	-	-	-	12-Jun-13	Observation Well	Monitoring
						1.5		4.6		Silt	Clay									
						6.1		1.5		Sand										
7208413	623311	4834058	79.7	7.6		0.0		1.5	Brown	Fill				-	-	-	-	13-Jun-13	Observation Well	Monitoring
						1.5		4.6	Brown	Silt	Clay									
						6.1		1.5	Brown	Sand	Gravel									
7208541	621935	4833880	98.9	1.5	0		5		Brown	Sand			4.6		-	-	Fresh	6-Sep-13	Observation Well	Monitoring
7209321	621956	4833890	100.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23-Sep-13	-	-
7211279	621931	4833905	96.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1-Nov-13	-	-
7217793	624007	4834703	112.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7220104	622804	4834687	111.1	14.6		0.0		4.6	Brown	Clay	Fill	Loose		-	-	-	-	26-Apr-14	Observation Well	-
						4.6		10.0	Brown	Fine Sand		Dense								
7220105	622750	4834784	110.0	10.7		0.0		4.6	Brown	Clay	Fill	Loose		-	-	-	-	26-Apr-14	Observation Well	Monitoring
						4.6		6.1	Brown	Fine Sand		Dense								
7220106	622762	4834817	109.6	10.7		0.0		4.6	Brown	Clay	Fill	Loose		-	-	-	-	26-Apr-14	Observation Well	Monitoring
						4.6		6.1	Brown	Fine Sand		Dense								
7221121	624202	4834694	99.7	5.5		0		1	Black					-	-	-	-	29-Aug-13	Test Hole	Monitoring and Test Hole
						1		1	Grey											
						1		17	Brown	Sand	Silt	Loose								

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					(ft)	(m)	(ft)	(m)	Colour	Material #1	Material #2	Material #3	(ft)	(m)	(ft)	(m)				
7221122	624155	4834673	99.9	5.5	0		1		Black				-	-	-	-	-	29-Aug-13	Test Hole	Monitoring and Test Hole
					1		1		Grey											
					1		17		Brown	Sand	Silt	Loose								
7223284	621934	4833880	98.8	-	-	-	-	-	-	-	-	-	-	-	-	-	10-Nov-13	-	-	-
7223425	624337	4834184	97.2	-	-	-	-	-	-	-	-	-	-	-	-	-	6-May-14	-	-	-
7225733	624210	4834680	99.8	-	-	-	-	-	-	-	-	-	-	-	-	-	15-Jul-14	-	-	-
7227090	623870	4835486	116.0	6.1	0		5		Brown	Fill			20		-	-	Untested	14-Aug-14	Observation Well	Monitoring
					5		5			Sand		Dry								
					10		5			Sand		Dry								
					15		5			Sand		Water-bearing								
7227953	621725	4834393	80.8	7.3	0		10		Brown	Sand	Silt		-	-	-	-	-	21-Aug-14	-	-
					10		14		Grey	Silt	Sand	Clay								
7229915	622140	4833957	104.1	4.6	0		15			Sand		Dry	-	-	-	-	1-Oct-14	Observation Well	Monitoring	
7231347	623347	4834357	95.6	-	-	-	-	-	-	-	-	-	-	-	-	-	21-Dec-11	-	-	-
7233097	623122	4834109	-	4.9	0		16		Brown	Sand			-	-	-	-	Untested	12-Sep-14	Observation Well	Monitoring
7233101	623123	4834107	-	8.5	0		16		Brown	Sand	Gravel		-	-	1		Untested	11-Sep-14	Dewatering	-
					16		23		Grey	Clay	Silt									
					23		28		Grey	Shale										
7236102	621926	4833918	-	-	-	-	-	-	-	-	-	-	20		-	-	-	7-Nov-14	Abandoned - Other	Monitoring
7237274	622657	4833656	110.4	4.6	0		1		Grey	Other			-	-	-	-	-	22-Dec-14	Monitoring and Test Hole	Monitoring and Test Hole
					1		6		Brown	Fill										
					6		8		Brown	Clay	Silt									
					14		1		Grey	Clay	Silt									
7241155	623294	4833947	78.9	-	-	-	-	-	-	-	-	-	-	-	-	-	11-Nov-14	-	-	-
7241156	623322	4834090	80.4	-	-	-	-	-	-	-	-	-	-	-	-	-	11-Nov-14	-	-	-

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					(ft)	(m)	(ft)	(m)	Colour	Material #1	Material #2	Material #3	(ft)	(m)	(ft)	(m)				
7241157	623294	4833947	78.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15-Apr-15	-	-
7241802	624027	4834928	108.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7-Apr-15	-	-
7245172	623351	4834422	101.1	6.7	0		1		Grey				-	-	-	-	-	15-Jun-15	Monitoring and Test Hole	Monitoring and Test Hole
					22		22		Brown	Sand										
7245173	623309	4834427	102.8	6.4	0		1		Grey				-	-	-	-	-	18-Jun-15	Monitoring and Test Hole	Monitoring and Test Hole
					1		21		Brown	Sand	Silt	Dense								
7246860	623477	4834471	102.6	12.1		0.0		1.5	Brown	Sand	Gravel	Soft	-	-	-	-	-	18-Jul-15	Monitoring and Test Hole	Monitoring and Test Hole
						1.5		7.6	Brown	Fine Sand		Soft								
						9.1		3.0		Fine Sand	Soft	Water-bearing								
7247032	623486	4834486	103.2	10.4	0		34		Brown	Fill	Sand	Loose	-	-	-	-	-	17-Jul-15	Test Hole	Monitoring and Test Hole
7247074	623497	4834492	103.5	15.5	0		43		Brown	Sand			-	-	-	-	-	24-Jul-15	Test Hole	Monitoring and Test Hole
					43		8		Brown	Sand		Water-bearing								
7250115	623226	4834380	105.6	21.3	0		60		Brown	Coarse Sand			60		-	-	Untested	6-Jul-15	Test Hole	Test Hole
					60		10		Grey	Fine Sand										
7251204	623503	4834480	103.6	14.9	0		0		Grey				-	-	-	-	-	6-Oct-15	Monitoring and Test Hole	Monitoring and Test Hole
					0		49		Brown	Shale										
7251205	623567	4834471	107.4	14.5	0		0		Grey				-	-	-	-	-	7-Oct-15	Monitoring and Test Hole	Monitoring and Test Hole
					0		34		Brown	Sand										
					34		14		Brown	Sand	Silt									
7251206	623489	4834485	103.1	14.6	0		48		Brown	Sand	Silt		-	-	-	-	-	9-Oct-15	Monitoring and Test Hole	Monitoring and Test Hole
7260025	623306	4834001	78.2	8.2	0		12		Brown	Fill			17				Fresh	11-Feb-15	Monitoring and Test Hole	Monitoring and Test Hole
					12		5		Brown	Other	Peat									
					17		8		Grey	Sand		Fine Sand								
					25		2		Grey	Clay										
7261558	623670	4834726	112.1	12.2	0		5		Brown	Fill	Silt		-	-	-	-	-	22-Dec-15	Monitoring and Test Hole	Test Hole
					5		35		Brown	Sand	Clay									

Table 1: Summary of Available MOECC Water Well Records (500m radius)

MOECC Water Well ID	Easting	Northing	Elevation (m)	Total Depth (m)	Top Depth		Thickness		Stratigraphy				Water Found		Static Level		Water Kind	Date Completed	Status	Water Use
					(ft)	(m)	(ft)	(m)	Colour	Material #1	Material #2	Material #3	(ft)	(m)	(ft)	(m)				
7263552	622899	4834229	111.2	18.3	0		4		Brown	Gravel			-	-	-	-	-	19-Apr-16	Monitoring and Test Hole	Monitoring and Test Hole
					4		56		Brown	Fine Sand										
7265590	623823	4834985	113.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21-Apr-16	-	-
7266685	623207	4834403	105.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19-Jun-15	-	-
7270771	623206	4834399	105.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19-Jun-16	-	-
7280055	624566	4834852	106.9	6.1	0		1		Black				-	-	-	-	-	15-Dec-16	Monitoring and Test Hole	Monitoring and Test Hole
					1		13		Brown	Sand	Fill									
					13		7		Brown	Silt										
7281227	623203	4834399	105.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24-Nov-16	-	-
7281567	624619	4834886	109.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12-Jun-16	-	-