

August 2018

HYDROLOGICAL REVIEW SUMMARY

The form is to be completed by the Professional that prepared the Hydrological Review.
Use of the form by the City of Toronto is not to be construed as verification of engineering/hydrological content.

Refer to the Terms of Reference, Hydrological Review:

[Link to Terms of Reference Hydrological Review](#)

For City Staff Use Only:

Name of ECS Case Manager (Please print)

Date Review Summary provided to
to TW, EM&P

**IF ANY OF THE REQUIREMENTS LISTED BELOW HAVE NOT BEEN INCLUDED IN THE HYDROLOGICAL REVIEW, THE REVIEW WILL BE CONSIDERED INCOMPLETE.
THE GREY SHADED BOXES WILL REQUIRE A CONSISTANCY CHECK BY THE ECS CASE MANAGER.**

Summary of Key Information:

PDF Page Numbers

SITE INFORMATION		Page # & Section # of Review	Review Includes this Information City Staff (Check)
Site Address	Toronto, Ontario	P.6, S.1	
Postal Code	M6R 3B5		
Property Owner (on request for comments memo)		P.6, S.1	
Proposed description of the project (if applicable) (point towers, number of podiums)	The development will include 7 mixed use buildings ranging 5-38 storeys with central green space	P.6, S.1	
Land Use (ex. commercial, residential, mixed, institutional, industrial)	Residential/commercial	P.6, S.1	
Number of below grade levels for the proposed structure	2-3 levels of underground parking	P.6, P.15, S.1, S.5	
HYDROLOGICAL REVIEW INFORMATION			
Date Hydrological Review was prepared:	June 30, 2022	title page	
Who Performed the Hydrological Review (Consulting Firm)	SLR Consulting	P.22, S.10	
Name of Author of Hydrological Review	Amanda Malatesta, P.Geo., Craig Johnston, P.Geo.	P.22, S.10	

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Check the directories on the website for Professional Geoscientists and/or Professional Engineers of Ontario been checked to ensure that the Hydrological Report has been prepared by a qualified person who is a licensed Professional Geoscientist as set out in the Professional Geoscientist Act of Ontario or a Professional Engineer? PEO: Professional Engineers of Ontario APGO: Association of Professional Geoscientists of Ontario	Amanda Malatesta, P.Geo. - 3247 Craig Johnston, P.Geo. - 0538	N/A	
Has the Hydrological Review been prepared in accordance with all the following: <ul style="list-style-type: none"> Ontario Water Resources Act Ontario Regulation 387/04 Toronto Municipal Code Chapter 681-Sewers 	yes	P.7, S.1.1	
		Page # & Section # of every occurrence in the Review	Review Includes this Information City Staff (Check)

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Total Volume (L/day) Short Term Discharge of groundwater (construction dewatering) with safety factor included	<p>What safety factor was used? 1.5</p> <p>Calculated range: 510,000 L/day to 2,390,000 L/day</p>	P.15-18, S.5 (5.0-5.5)	
Total Volume (L/day) Short Term Discharge of groundwater (construction dewatering) without safety factor included	<p>Calculated range: 390,000 L/day to 1,740,000 L/day</p>	P.15-18, S.5 (5.0-5.5)	
<p>Total Volume (L/day) Long Term drainage of groundwater (from foundation drainage, weeping tiles, sub slab drainage) with safety factor included</p> <p>If the development is part of a multiple tower complex, include total volume for each separate tower</p>	<p>What safety factor was used?</p> <p>N/A - building and basement floor will be watertight design</p>	P.15, 17, 18 S.5, S.5.5	
List the nearest surface water (river, creek, lake)	Wendigo Creek, in High Park, approximately 700 m west of the Site	P.8 S.2.2	

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SITE INFORMATION		Page # & Section # of Review	Review Includes this Information City Staff (Check)
Lowest basement elevation	Parking Level 3 - approximately 101.50 masl	P.15 S.5	
Foundation elevation	Foundation has not been designed. Further information to be provided in the next submission following detailed design. Assume an elevation of 103 masl to 100 masl (block 3) as per geotechnical report recommendations (Geoterre, 2022)	P.15 S.5 Appendix A	
Ground elevation	Ranges between 111.62 masl and 112.93 masl	P.8 S.2.2	
STUDY AREA MAP		Page # & Section # of every occurrence in the Review	Review Includes this Information City Staff (Check)
Study area map(s) have been included in the report.	<input checked="" type="checkbox"/> Yes	Figure 1	N/A
Study area map(s) been prepared according to the Hydrological Review Terms of Reference.	<input checked="" type="checkbox"/> Yes	See all Figures	N/A
WATER LEVEL AND WELLS		Page # & Section # of every occurrence	Review Includes this Information (City Staff Initial)

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SITE INFORMATION		Page # & Section # of Review	Review Includes this Information City Staff (Check)
		in the Review	
The groundwater level has been monitored using all wells located on site (within property boundary).	Yes	P.10,12 S.3.3,4.2, Figure 9 Appendix C	
The static water level measurements have been monitored at all monitoring wells for a minimum of 3 months with samples taken every 2 weeks for a minimum of 6 samples. The intent is for the qualified professional to use professional judgement to estimate the seasonally high groundwater level.	Wells were installed in May 2022; Biweekly water level monitoring is ongoing and will continue until the end of August 2022	P.10,12 S.3.3,4.2, Figure 9 Appendix C	
All water levels in the wells have been measured with respect to masl.	yes - all wells were surveyed	P.11 S3.6	
A table of geology/soil stratigraphy for the property has been included.	Cross section and borehole logs included	Figures 5-8 Appendix B	
GEOLOGY AND PHYSICAL HYDROLOGY		Page # & Section # of every occurrence in the Review	Review Includes this Information (City Staff Initial)
The review has made reference to the soil materials including thickness, composition and texture, and bedrock environments.	Yes	P.11 S.4.1	
Key aquifers and the site's proximity to nearby surface water has been identified.	⊗ Yes	P.8, 11-14 S.2.2, 4.1, 4.2, 4.3	N/A

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SITE INFORMATION		Page # & Section # of Review	Review Includes this Information City Staff (Check)
PUMP TEST/SLUG TEST/DRAWDOWN ANALYSIS		Page # & Section # of every occurrence in the Review	Review Includes this Information City Staff (Check)
A summary of the pumping test data and analysis is included in the review.	N/A	N/A	
The pump test been carried out for at least 24 hours if possible. If not, has a slug test been conducted?	No - single well response tests were conducted. Construction dewatering assumes the use of cut off walls keyed into very low permeability till (10E-08 m/s)	P.10, 13, 14 S.3.4, 4.3	
Have the monitoring well(s) have been monitored using digital devices? If yes how frequently?	Yes, data loggers deployed in 6 wells. Data collection set to every 12 hours.	P.10, 12 S.3.3, 4.2 Appendix C	
If a slug or pump test has been conducted has the static groundwater level been monitored at all monitoring well(s) multiple times to measure recovery? -prior to the slug or pumping test(s)? -post slug or pumping test(s)?	<input checked="" type="radio"/> Yes Measurements collected before, during and after testing. Slug Test were completed May 19-24, 2022	P.10, 13, 14 S.3.4, 4.3 Appendix D	N/A
The above noted slug or pump tests have been included in the report.	<input checked="" type="radio"/> Yes	P.10, 13, 14 S.3.4, 4.3 Appendix D	
WATER QUALITY		Page # & Section # of every occurrence in the Review	Review Includes this Information City Staff (Check)

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SITE INFORMATION		Page # & Section # of Review	Review Includes this Information City Staff (Check)
The report includes baseline water quality samples from a laboratory. The water quality must be analyzed for all parameters listed in Tables 1 and 2 of Chapter 681 Sewers of the Toronto Municipal Code (found in Appendix A) and the samples must have to be taken unfiltered within 9 months of the date of submission.	<p>Yes, groundwater samples were collected unfiltered from 2 monitoring wells screened in the upper sand unit and screened in the Silty Sand/Clayey Silt Till</p> <p>Due to a Lab oversight, the following parameters were not included: Fluoride, Total Kjeldahl Nitrogen (TKN), Animal Vegetable Oil & Grease, Mineral/Synthetic Oil & Grease. Sample results from Toronto Inspection's Hydrogeological Report (2018) have been included with current available data. Further Groundwater sampling will be submitted with updated groundwater levels at next submission</p>	P.11, 14 S.3.5, 4.4 Appendix E Appendix G	
The water quality data templates in Appendix A have been completed for each sample taken for both sanitary/combined and storm sewer limits.	<p>For sanitary discharge- See the sanitary/combined sewer parameter limit template</p> <p>Yes</p> <p>For storm discharge- See the storm sewer parameter limit template</p>	Appendix E Table E-1	
Qualified professional to list all sample parameters that have violated the Bylaw limits for each sample taken for the sanitary/combined Bylaw limits If there are any sample parameter Exceedances the groundwater can't be discharged as is.	None	P.14 S.4.4	
Qualified professional to list all sample parameters that have violated the Bylaw limits for each sample taken for the storm Bylaw limits. If there are any sample parameter exceedances the groundwater can't be discharged as is.	Manganese	P.14 S.4.4	
The water quality samples have been analyzed by a Canadian laboratory accredited and licensed by Standards Council of Canada and/or Canadian Association for Laboratory Accreditation.	⊗ Yes	P.11 S.3.5 Appendix E	N/A

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SITE INFORMATION		Page # & Section # of Review	Review Includes this Information City Staff (Check)
List of Canadian accredited laboratories: Standards Council of Canada			
A chain of custody record for the samples is included with the report.	Yes	Appendix E	
Has the chain of custody reference any filtered sample? If yes, the report has to be amended and re-submitted to include only non-filtered samples.	No - samples were not filtered	P.11 S.3.5 Appendix E	
List any of the sample parameters that exceed the Bylaw limits with the reporting detection limit (RDL) included.	Manganese = 72 mg/L DL = 2.0 mg/L	P.14 S.4.4 Appendix E	
A true copy of the Certificate of Analysis report, is included with the report.	Yes	Appendix E	
EVALUATION OF IMPACT		Page # & Section # of every occurrence in the Review	Review Includes this Information City Staff (Check)
Does the report recommend a back-up system or relief safety valve(s)? Does the associated Geotechnical report recommend a back-up system or relief safety valve(s)?	<input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> Yes <input checked="" type="radio"/> No	N/A	
The taking and discharging of groundwater on site has been analyzed to ensure that no negative	<input checked="" type="radio"/> Yes	P.18,19 S.6, 6.1, 6.2, 6.3, 6.4	N/A

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SITE INFORMATION		Page # & Section # of Review	Review Includes this Information City Staff (Check)
impacts will occur to: the City sewage works in terms of quality and quantity (including existing infrastructure), the natural environment, and settlement issues.			
Has it been determined that there will be a negative impact to the natural environment, City sewage works, or surrounding properties has the study identified the following: the extent of the negative impact, the detail of the precondition state of all the infrastructure, City sewage works, and natural environment within the effected zone and the proposed remediation and monitoring plan?	<p><input type="radio"/> Yes</p> <p>If yes, identify impact:</p> <p><input checked="" type="radio"/> No</p> <p>Functional Servicing Report to be provided by Counterpoint Engineering Inc.</p>	FSR (Counterpoint Engineering Inc)	N/A

Summary of Additional Information and Key Items (if applicable):

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HYDROLOGICAL REVIEW SUMMARY

Appendix A:

SANITARY/COMBINED

Sample Location:

BH 6

BH 203

Inorganics		Sample Result		Sample Result with upper RDL included	
Parameter	mg/L	mg/L	mg/L		ug/L
BOD	300	<2	2		300,000
Fluoride	10	*	*		10,000
TKN	100	*	*		100,000
pH	6.0 - 11.5	7.86	7.99		6.0 - 11.5
Phenolics 4AAP	1	<0.0010	<0.0010		1,000
TSS	350	14	14		350,000
Total Cyanide	2	<0.0050	0.011		2,000
Metals					
Chromium Hexavalent	2	<0.50	0.57		2,000
Mercury	0.01	<0.00010	<0.00010		10
Total Aluminum	50	0.32	0.28		50,000
Total Antimony	5	<0.0005	0.00062		5,000
Total Arsenic	1	0.01	<0.001		1,000
Total Cadmium	0.7	<0.000090	<0.000090		700
Total Chromium	4	<0.0050	<0.0050		4,000
Total Cobalt	5	<0.0050	0.0062		5,000
Total Copper	2	0.0011	0.0048		2,000
Total Lead	1	0.0071	0.0031		1,000
Total Manganese	5	0.072	0.031		5,000
Total Molybdenum	5	*	*		5,000
Total Nickel	2	<0.0010	0.0013		2,000
Total Phosphorus	10	0	<0.1		10,000
Total Selenium	1	<0.002	<0.002		1,000
Total Silver	5	<0.00009	<0.00009		5,000
Total Tin	5	<0.001	<0.001		5,000
Total Titanium	5	0.011	0.012		5,000
Total Zinc	2	<0.005	0.026		2,000
Petroleum Hydrocarbons					
Animal/Vegetable Oil & Grease	150	*	*		150,000
Mineral/Synthetic Oil & Grease	15	*	*		15,000

* = Parameter not available

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		BH 6		BH 203	
Volatile Organics		Sample Result		Sample Result with upper RDL included	
Parameter	mg/L	mg/L	mg/L		ug/L
Benzene	0.01	<0.0004	<0.0004		10
Chloroform	0.04	<0.0004	<0.0004		40
1,2-Dichlorobenzene	0.05	<0.0008	<0.0008		50
1,4-Dichlorobenzene	0.08	<0.0008	<0.0008		80
Cis-1,2-Dichloroethylene	4	<0.001	<0.001		4,000
Trans-1,3-Dichloropropylene	0.14	<0.0008	<0.0008		140
Ethyl Benzene	0.16	<0.0004	<0.0004		160
Methylene Chloride	2	<0.004	<0.004		2,000
1,1,2,2-Tetrachloroethane	1.4	<0.0008	<0.0008		1,400
Tetrachloroethylene	1	<0.0004	<0.0004		1,000
Toluene	0.016	<0.0004	<0.0004		16
Trichloroethylene	0.4	<0.0004	<0.0004		400
Total Xylenes	1.4	<0.0004	<0.0004		1,400
Semi-Volatile Organics					
Di-n-butyl Phthalate	0.08	<0.002	<0.002		80
Bis (2-ethylhexyl) Phthalate	0.012	<0.002	<0.002		12
3,3'-Dichlorobenzidine	0.002	<0.0008	<0.0008		2
Pentachlorophenol	0.005	<0.001	<0.001		5
Total PAHs	0.005	<0.001	<0.001		5
Misc Parameters					
Nonylphenols	0.02	<0.001	<0.001		20
Nonylphenol Ethoxylates	0.2	<0.005	<0.005		200

Sample Collected: [April 22, 2022](#)

Temperature: [10-11 degrees Celsius](#)

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HYDROLOGICAL REVIEW SUMMARY

STORM

Sample Location:

BH 6

BH 203

Inorganics		Sample Result		Sample Result with upper RDL included	
Parameter	mg/L	mg/L	mg/L		ug/L
pH	6.0 - 9.5	7.86	7.99		
BOD	15	<2	2		15,000
Phenolics 4AAP	0.008	<0.0010	<0.0010		8
TSS	15	14	14		15,000
Total Cyanide	0.02	<0.0050	0.011		20
Metals					
Total Arsenic	0.02	0.01	<0.001		20
Total Cadmium	0.008	<0.000090	<0.000090		8
Total Chromium	0.08	<0.0050	<0.0050		80
Chromium Hexavalent	0.04	<0.00050	0.00		40
Total Copper	0.04	0.0011	0.0048		40
Total Lead	0.12	0.0071	0.0031		120
Total Manganese	0.05	0.072	0.031		50
Total Mercury	0.0004	<0.00010	<0.00010		0.4
Total Nickel	0.08	<0.0010	0.0013		80
Total Phosphorus	0.4	0.16	<0.1		400
Total Selenium	0.02	<0.002	<0.002		20
Total Silver	0.12	<0.00009	<0.00009		120
Total Zinc	0.04	<0.005	0.026		40
Microbiology					
E.coli	200	<10	30		200,000
Volatile Organics					
Parameter	mg/L				ug/L
Benzene	0.002	<0.0004	<0.0004		2
Chloroform	0.002	<0.0004	<0.0004		2
1,2-Dichlorobenzene	0.0056	<0.0008	<0.0008		6
1,4-Dichlorobenzene	0.0068	<0.0008	<0.0008		7
Cis-1,2-Dichloroethylene	0.0056	<0.001	<0.001		6
Trans-1,3-Dichloropropylene	0.0056	<0.0008	<0.0008		6
Ethyl Benzene	0.002	<0.0004	<0.0004		2
Methylene Chloride	0.0052	<0.004	<0.004		5
1,1,2,2-Tetrachloroethane	0.017	<0.0008	<0.0008		17
Tetrachloroethylene	0.0044	<0.0004	<0.0004		4
Toluene	0.002	<0.0004	<0.0004		2
Trichloroethylene	0.0076	<0.0004	<0.0004		8
Total Xylenes	0.0044	<0.0004	<0.0004		4

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		BH 6	BH 203		
		mg/L	mg/L		
Semi-Volatile Organics		Sample Result		Sample Result with upper RDL included	
Di-n-butyl Phthalate	0.015	<0.002	<0.002		5
Bis (2-ethylhexyl) Phthalate	0.0088	<0.002	<0.002		8.8
3,3'-Dichlorobenzidine	0.0008	<0.0008	<0.0008		0.8
Pentachlorophenol	0.002	<0.001	<0.001		2
Total PAHs	0.002	<0.001	<0.001		2
PCBs	0.0004	<0.00005	<0.00005		0.4
Misc Parameters					
Nonylphenols	0.001	<0.001	<0.001		1
Nonylphenol Ethoxylates	0.01	<0.005	<0.005		10

Sample Collected: April 22, 2022

Temperature: 10-11 degrees Celsius

Consulting Firm that prepared Hydrological Report: SLR Consulting

Qualified Professional who completed the report summary: Amanda Malatesta (P.Geo.)
Print Name

Qualified Professional who completed the report summary: 
Signature



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Appendix A:

SANITARY/COMBINED

Sample Location:

BH-5

BH-9

BH-11S

Inorganics		Sample Result			Sample Result with upper RDL included	
Parameter	mg/L	mg/L	mg/L	mg/L		ug/L
BOD	300	6	<2	<2		300,000
Fluoride	10	0.12	<0.06	<0.06		10,000
TKN	100	2.1	<0.5	<0.5		100,000
pH	6.0 - 11.5	7.54	6.93	7.41		6.0 - 11.5
Phenolics 4AAP	1	0.008	0.002	<0.002		1,000
TSS	350	8	9	32		350,000
Total Cyanide	2	<0.01	<0.01	<0.01		2,000
Metals						
Chromium Hexavalent	2	<0.0002	<0.0002	<0.0002		2,000
Mercury	0.01	<0.00001	<0.00001	<0.00001		10
Total Aluminum	50	0.076	0.019	0.291		50,000
Total Antimony	5	<0.0002	<0.0002	<0.0002		5,000
Total Arsenic	1	0.0061	0.0003	0.0007		1,000
Total Cadmium	0.7	0.000056	0.000071	0.000019		700
Total Chromium	4	0.00068	0.0002	0.00074		4,000
Total Cobalt	5	0.00269	0.00209	0.00175		5,000
Total Copper	2	0.00305	0.00129	0.00244		2,000
Total Lead	1	0.00235	0.00009	0.00066		1,000
Total Manganese	5	0.198	1.02	0.56		5,000
Total Molybdenum	5	0.00347	0.00238	0.00134		5,000
Total Nickel	2	0.212	0.0039	0.0073		2,000
Total Phosphorus	10	0.018	0.013	0.026		10,000
Total Selenium	1	0.0001	0.00136	0.00007		1,000
Total Silver	5	<0.00005	0.00005	<0.00005		5,000
Total Tin	5	0.00042	0.00011	0.00028		5,000
Total Titanium	5	0.00352	0.0009	0.0149		5,000
Total Zinc	2	0.008	<0.002	0.003		2,000
Petroleum Hydrocarbons						
Animal/Vegetable Oil & Grease	150	<4	<4	<4		150,000
Mineral/Synthetic Oil & Grease	15	<4	<4	<4		15,000

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		BH-5	BH-9	BH-11S		
Volatile Organics		Sample Result			Sample Result with upper RDL included	
Parameter	mg/L	mg/L	mg/L	mg/L		ug/L
Benzene	0.01	<0.0005	<0.0005	<0.0005		10
Chloroform	0.04	<0.0005	<0.0005	<0.0005		40
1,2-Dichlorobenzene	0.05	<0.0005	<0.0005	<0.0005		50
1,4-Dichlorobenzene	0.08	<0.0005	<0.0005	<0.0005		80
Cis-1,2-Dichloroethylene	4	<0.0005	<0.0005	<0.0005		4,000
Trans-1,3-Dichloropropylene	0.14	<0.0005	<0.0005	<0.0005		140
Ethyl Benzene	0.16	<0.0005	<0.0005	<0.0005		160
Methylene Chloride	2	<0.0005	<0.0005	<0.0005		2,000
1,1,2,2-Tetrachloroethane	1.4	<0.0005	<0.0005	<0.0005		1,400
Tetrachloroethylene	1	<0.0005	<0.0005	<0.0005		1,000
Toluene	0.016	<0.0005	<0.0005	<0.0005		16
Trichloroethylene	0.4	<0.0005	<0.0005	<0.0005		400
Total Xylenes	1.4	<0.0005	<0.0005	<0.0005		1,400
Semi-Volatile Organics						
Di-n-butyl Phthalate	0.08	<0.002	<0.002	<0.002		80
Bis (2-ethylhexyl) Phthalate	0.012	<0.002	<0.002	<0.002		12
3,3'-Dichlorobenzidine	0.002	<0.0005	<0.0005	<0.0005		2
Pentachlorophenol	0.005	<0.0005	<0.0005	<0.0005		5
Total PAHs	0.005	<0.001	<0.001	<0.001		5
Misc Parameters						
Nonylphenols	0.02	<0.01	<0.01	<0.01		20
Nonylphenol Ethoxylates	0.2	<0.001	<0.001	<0.001		200

Sample Collected: [March 19/April 20, 2018](#)

Temperature: [5-10 degrees Celsius](#)

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HYDROLOGICAL REVIEW SUMMARY

STORM

Sample Location:

BH-5

BH-9

BH-11S

Inorganics		Sample Result			Sample Result with upper RDL included	
Parameter	mg/L	mg/L	mg/L	mg/L		ug/L
pH	6.0 - 9.5	7.54	6.93	7.41		
BOD	15	6	<2	<2		15,000
Phenolics 4AAP	0.008	0.008	0.002	<0.002		8
TSS	15	8	9	32		15,000
Total Cyanide	0.02	<0.01	<0.01	<0.01		20
Metals						
Total Arsenic	0.02	0.0061	0.0003	0.0007		20
Total Cadmium	0.008	0.000056	0.000071	0.000019		8
Total Chromium	0.08	0.00068	0.0002	0.00074		80
Chromium Hexavalent	0.04	<0.0002	<0.0002	<0.0002		40
Total Copper	0.04	0.00305	0.00129	0.00244		40
Total Lead	0.12	0.00235	0.00009	0.00066		120
Total Manganese	0.05	0.198	1.02	0.56		50
Total Mercury	0.0004	<0.00001	<0.00001	<0.00001		0.4
Total Nickel	0.08	0.212	0.0039	0.0073		80
Total Phosphorus	0.4	0.018	0.013	0.026		400
Total Selenium	0.02	0.0001	0.00136	0.00007		20
Total Silver	0.12	<0.00005	0.00005	<0.00005		120
Total Zinc	0.04	0.008	<0.002	0.003		40
Microbiology						
E.coli	200	<2	<2	<2		200,000
Volatile Organics						
Parameter	mg/L					ug/L
Benzene	0.002	<0.0005	<0.0005	<0.0005		2
Chloroform	0.002	<0.0005	<0.0005	<0.0005		2
1,2-Dichlorobenzene	0.0056	<0.0005	<0.0005	<0.0005		6
1,4-Dichlorobenzene	0.0068	<0.0005	<0.0005	<0.0005		7
Cis-1,2-Dichloroethylene	0.0056	<0.0005	<0.0005	<0.0005		6
Trans-1,3-Dichloropropylene	0.0056	<0.0005	<0.0005	<0.0005		6
Ethyl Benzene	0.002	<0.0005	<0.0005	<0.0005		2
Methylene Chloride	0.0052	<0.0005	<0.0005	<0.0005		5
1,1,2,2-Tetrachloroethane	0.017	<0.0005	<0.0005	<0.0005		17
Tetrachloroethylene	0.0044	<0.0005	<0.0005	<0.0005		4
Toluene	0.002	<0.0005	<0.0005	<0.0005		2
Trichloroethylene	0.0076	<0.0005	<0.0005	<0.0005		8
Total Xylenes	0.0044	<0.0005	<0.0005	<0.0005		4

August 2018

HYDROLOGICAL REVIEW SUMMARY

		BH-5	BH-9	BH-11S		
		mg/L	mg/L	mg/L		
Semi-Volatile Organics		Sample Result			Sample Result with upper RDL included	
Di-n-butyl Phthalate	0.015	<0.002	<0.002	<0.002		5
Bis (2-ethylhexyl) Phthalate	0.0088	<0.002	<0.002	<0.002		8.8
3,3'-Dichlorobenzidine	0.0008	<0.0005	<0.0005	<0.0005		0.8
Pentachlorophenol	0.002	<0.0005	<0.0005	<0.0005		2
Total PAHs	0.002	<0.001	<0.001	<0.001		2
PCBs	0.0004	<0.0001	<0.0001	<0.0001		0.4
Misc Parameters						
Nonylphenols	0.001	<0.01	<0.01	<0.01		1
Nonylphenol Ethoxylates	0.01	<0.001	<0.001	<0.001		10

Sample Collected: [March 19/April 20, 2018](#)
 Temperature: [5-10 degrees Celsius](#)

Consulting Firm that prepared Hydrological Report: [SLR Consulting](#)

Qualified Professional who completed the report summary: [Amanda Malatesta \(P.Geo.\)](#)
 Print Name

Qualified Professional who completed the report summary: _____
 Signature

