Illinois Environmental Protection Agency

Bureau of Water • 1021 N. Grand Avenue E. • P.O. Box 19276 • Springfield • Illinois • 62794-9276

Division of Water Pollution Control
ANNUAL FACILITY INSPECTION REPORT
for NPDES Permit for Storm Water Discharges from Separate Storm Sewer Systems (MS4)

This fillable form may be completed online, a copy saved locally, printed and signed before it is submitted to the Compliance Assurance Section at the above address. Complete each section of this report.

Report Period: From March, 2019 To March, 2020

Permit No. ILR40 0218

MS4 OPERATOR INFORMATION: (As it appears on the current permit)

Name: Village of Lincolnwood Mailing Address 1: 6900 N. Lincoln Avenue

Mailing Address 2:

County: Cook

City: Lincolnwood State: IL Zip: 60712 Telephone: (847) 745-4717

Contact Person: Andrew Letson Email Address: aletson@lwd.org
(Person responsible for Annual Report)

Name(s) of governmental entity(ies) in which MS4 is located: (As it appears on the current permit)

Cook County

THE FOLLOWING ITEMS MUST BE ADDRESSED.

A. Changes to best management practices (check appropriate BMP change(s) and attach information regarding change(s) to BMP and measurable goals.)

1. Public Education and Outreach ☐
2. Public Participation/Involvement ☐
3. Illicit Discharge Detection & Elimination ☐
4. Construction Site Runoff Control ☐
5. Post-Construction Runoff Control ☐
6. Pollution Prevention/Good Housekeeping ☐

B. Attach the status of compliance with permit conditions, an assessment of the appropriateness of your identified best management practices and progress towards achieving the statutory goal of reducing the discharge of pollutants to the MEP, and your identified measurable goals for each of the minimum control measures.

C. Attach results of information collected and analyzed, including monitoring data, if any during the reporting period.

D. Attach a summary of the storm water activities you plan to undertake during the next reporting cycle (including an implementation schedule.)

E. Attach notice that you are relying on another government entity to satisfy some of your permit obligations (if applicable).

F. Attach a list of construction projects that your entity has paid for during the reporting period.

Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))

Owner Signature: Date: 5/29/20

Andrew Letson Printed Name:

Director of Public Works Title:

EMAIL COMPLETED FORM TO: epa.ms4annualinsp@illinois.gov

or Mail to: ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
WATER POLLUTION CONTROL
COMPLIANCE ASSURANCE SECTION #19
1021 NORTH GRAND AVENUE EAST
POST OFFICE BOX 19276
SPRINGFIELD, ILLINOIS 62794-9276

IL 532 2585
WPC 691 Rev 6/10

This Agency is authorized to require this information under Section 4 and Title X of the Environmental Protection Act (415 ILCS 5/4, 5/39). Failure to disclose this information may result in: a civil penalty of not to exceed $50,000 for the violation and an additional civil penalty of not to exceed $10,000 for each day during which the violation continues (415 ILCS 5/42) and may also prevent this form from being processed and could result in your application being denied. This form has been approved by the Forms Management Center.

MS4 Annual Facility Inspection Report

Illinois Environmental Protection Agency
National Pollutant Discharge Elimination System Phase II

Permit Year 17: March 2019 to March 2020

Village of Lincolnwood

Contents

Part A. Changes to Best Management Practices

Note: X indicates BMPs performed that were proposed in your NPDES permit
✓ indicates changes to BMPs proposed in your NPDES permit

Year 16	Year 17	Year 18	Year 19	Year 20	MS4
A. Public Education and Outreach					
					A.1 Distributed Paper Material
					A.2 Speaking Engagement
					A.3 Public Service Announcement
	X	X	X		A.4 Community Event
					A.5 Classroom Education Material
					A.6 Other Public Education
B. Public Participation/Involvement					
					B.1 Public Panel
					B.2 Educational Volunteer
	X	X	X		B.3 Stakeholder Meeting
	X	X	X		B.4 Public Hearing
					B.5 Volunteer Monitoring
					B.6 Program Coordination
					B.7 Other Public Involvement
C. Illicit Discharge Detection and Elimination					
	X	X	X		C.1 Storm Sewer Map Preparation
	X	X	X		C.2 Regulatory Control Program
					C.3 Detection/Elimination Prioritization Plan
	X	X	X		C.4 Illicit Discharge Tracing Procedures
	X	X	X		C.5 Illicit Source Removal Procedures
	X	X	X		C.6 Program Evaluation and Assessment
	X	X	X		C.7 Visual Dry Weather Screening
					C.8 Pollutant Field Testing
					C.9 Public Notification
					C.10 Other Illicit Discharge Controls

Year 16	Year 17	Year 18	Year 19	Year 20	MS4
D. Construction Site Runoff Control					
					D.1 Regulatory Control Program
					D.2 Erosion and Sediment Control BMPs
					D.3 Other Waste Control Program
	X	X	X		D.4 Site Plan Review Procedures
					D.5 Public Information Handling Procedures
					D.6 Site Inspection/Enforcement Procedures
					D.7 Other Construction Site Runoff Controls
E. Post-Construction Runoff Control					
					E.1 Community Control Strategy
					E.2 Regulatory Control Program
					E.3 Long Term O&M Procedures
					E.4 Pre-Const Review of BMP Designs
					E.5 Site Inspections During Construction
	X	X	X		E.6 Post-Construction Inspections
					E.7 Other Post-Const Runoff Controls
F. Pollution Prevention/Good Housekeeping					
					F.1 Employee Training Program
	X	X	X		F.2 Inspection and Maintenance Program
					F.3 Municipal Operations Storm Water Control
					F.4 Municipal Operations Waste Disposal
					F.5 Flood Management/Assess Guidelines
					F.6 Other Municipal Operations Controls

Part B. Status of Compliance with Permit Conditions

The stormwater management activities that the MS4 performed during Year 17, including the MS4's BMPs and measureable goals, are described in detail in the MS4's SMPP. A brief summary of the status of BMPs and measurable goals performed in Year 17 is described below.

The Village will be preparing and submitting a new Notice of Intent during Year 17 to more accurately reflect the current program activities.

1. Public Education and Outreach

The Village is committing to conduct Public Education and Outreach as part of its permit. Public Education and Outreach requires implementation of a program to distribute educational material to the community or conduct equivalent outreach activities about the impacts of storm water discharges on water bodies and the steps that the public can take to reduce pollutants to stormwater runoff. The Village commits to implementation of BMPs described below:

The Village of Lincolnwood continues to implement the BMPs described in its Stormwater (BMP) Program adopted September 23, 2004 (updated version adopted November 6, 2008) and to track progress in implementing its stormwater management program.

Measurable Goals: *Implement, and track progress, of BMPs as described in the Stormwater (BMP) Program.*

2. Public Participation/Involvement

The Village committed to performing activities and services related to the Public Participation/Involvement minimum control measure BMPs described below. The status or progress for each of the measurable goals related to these BMPs is presented below.

The Village of Lincolnwood continues to implement the BMPs described in its Stormwater (BMP) Program updated on November 6, 2008 and to track progress in implementing its stormwater management program.

Measurable Goals: *Implement, and track progress, of BMPs as described in the Stormwater (BMP) Program.*

3. Illicit Discharge Detection and Elimination

The Village committed to performing some activities related to the Illicit Discharge Detection and Elimination minimum control. BMPs will be implemented under BMPs described below.

The Village of Lincolnwood continues to implement the BMPs described in its Stormwater (BMP) Program updated November 6, 2008 and to track progress in implementing its stormwater management program.

Measurable Goals: *Implement, and track progress, of BMPs as described in the Stormwater (BMP) Program.*

4. Construction Site Runoff Control

Cook County has adopted a Watershed Management Ordinance (WMO) that establishes the minimum stormwater management requirements for developments in Cook County. The Ordinance establishes standards for construction site runoff control.

The Village of Lincolnwood continues to implement the BMPs described in its Stormwater (BMP) Program updated on November 6, 2008 and to track progress in implementing its stormwater management program. The Village continues to enforce the WMO.

Measurable Goals: *Implement, and track progress, of BMPs as described in the Stormwater (BMP) Program.*

5. Post-Construction Runoff Control

As described above, the Cook County WMO establishes the minimum stormwater management requirements for developments in Cook County. The WMO establishes standards for post-construction site runoff control. The Village will continue to enforce the WMO.

The Village of Lincolnwood continues to implement the BMPs described in its Stormwater (BMP) Program updated on November 6, 2008 and to track progress in implementing its stormwater management program. The Village continues to enforce the WMO.

Measurable Goals: *Implement, and track progress, of BMPs as described in the Stormwater (BMP) Program.*

6. Pollution Prevention/Good Housekeeping

This minimum control measure involves the development and implementation of an operation and maintenance program to reduce the discharge of pollutants from municipal operations. This program must include a training program for municipal employees. The Village will perform BMPs as described below.

The Village of Lincolnwood continues to implement the BMPs described in its Stormwater (BMP) Program updated on November 6, 2008 and to track progress in implementing its stormwater management program.

Measurable Goals: *Implement, and track progress, of BMPs as described in the Stormwater (BMP) Program.*

Part C. Information and Data Collection Results

Information or data collected by the Village or its partners is attached.

Beginning January 1, 2008, the Limit of Quantitation (LOQ) replaces the MDL as the reporting limit.

Organic analytes (benzenes, toluene, xylenes) show reporting limits (RLs) instead of MDLs. These are listed at the bottom of each column of the monthly data tables.

reasons:

a) When the measured total concentrations are less than the LOQ, and thus are reported as <LOQ, and the soluble analytes have reportable concentrations above the soluble metal LOQ. (In most instances the total LOQ is higher than the soluble LOQ.)

b) When both the total and soluble metal concentrations are near the LOQ and are within the uncertainty of the analytical measurement system, the reported soluble result may exceed the reported total metal result.

performed.

Canceled tests are reported as NA. A reason for the cancellation or other qualification of the data is denoted by bold face type of the entry within that cell and by comment code in the adjoining column.,

Cells where an analyte is not scheduled for analysis are left blank.

BOD5 and CBOD5 analyses were discontinued in March 2005.

Beginning January 1, 2006, Low Level Mercury analysis is being done on General Use waterways samples.

Results for Low Level Mercury that are greater than the human health standard of 12 ng/L have been reviewed. All associated QA for those results have also been checked and are within acceptable ranges.

The E. Coli analysis was discontinued in October 2011.

The Turbidity analysis was discontinued in April 2012.

Starting May 1, 2012 Soluble Metals will be analyzed for Fe, As, Cd, Cr, Cu, Pb, Ni, Zn and Ag. Total Metals will be analyzed for Ba, B, Mn, Se, Ag , Ca and Mg.

August 2012 there was a reduction of waterway sites being sampled.

August 2013 WAD_CN has been replaced with CN_AM_A.

January 2014 total Mn has been replaced with soluble Mn. Both are being reported in 2014.

WW12 is no longer part of our Ambient routine program.

As of July, 2015, only one station requires FOG analysis: WW99.

WW_56, WW_76 and WW_59 are all part of the routine AWQM program. There are times, however, when those stations are also sampled for special wet weather monitoring. They are logged in differently into LIMS so one should be able to differentiate between routine monitoring and wet weather monitoring. (Test Schedule WW_CHRONIC)

WW99 is the only station which currently doesn't have the human health standard for mercury, so we just run total mercury to test compliance with the water quality standard.

List of the Test Schedules for active projects that use WW_XX stations that are not part of AWQM program.

Test Schedule	Project
WW4-TARPWW	WET Weather
WWTARPCON	WET Weather
WW_CHRONIC	Chronic
FISH-1	Fish Kill Response

May 1st, 2016, The radiochem sampling schedule has changed recently per the Executive Director and the Director of M&R. Instead of monthly sampling, the radiochem sampling schedule will only be a once per year "snapshot" of all plant influent/raw aliquoted the first week of August.

A = Method blank criteria exceeded; holding time exceeded for reanalysis.
B = Insufficient preservation; preservative added prior to analysis.
C = Result not determined in the field
D = Sample/Aliquot holding time exceeded.
E = Expired reagent used.
F = Sample spilled during transport.
FC= Air spike on CCV peak, all other criteria passed.
G = Sample not thermally preserved.
H = Analyte not NELAC Accredited (6/2/08 through 8/18/08)
I = LCS failed high; sample result below LOQ.
J = LCS and calibration standards from same stock.
K = Contamination suspected.
L = Unable to confirm result.
M = Lab error; result not consistent with historical data.
N = Mislabled aliquot.
NO= NO3 greater than 10 times TKN.
NH= NH3 greater than TKN
O = Expired QA standard used.
P= Aliquot discarded before analysis.
Q= Soluble > Total: soluble result not reported.
R= Soluble > Total: Total result not reported.
S= LCS failure; holding time time exceeded for reanalysis.
T= Analysis not performed according to EPA method.
TT= samples were not analyzed as the hood was not working
U= Sample mix up suspected.
V= Batch failed QA standard, analysis exempt from rerun.
VB= Batch analyzed without method blank.
W= Aliquot received with headspace.
X= Matrix spike recovery failure.
XX= Matrix spike recovery and RPD failure.
Y= Sample container broke in the field.
Z Method blank failure.
AA= Method and acetone blank failures.
AB= Aliquot never arrived at the laboratory.
AC= No filtered blank.
AD= Reanalysis performed past holding time.
AE= MS/MSD RPD failure.
AF= Sample/aliquot not preserved.
AG= Compromised sample ID.
AJ= Sample error; Samples not collected.
AK= A verified reporting limit was not analyzed. Proper procedure not followed.
AL= Analyzed using low level Cl method SM 4500 Cl-E
AN= Matrix interference indicated by matrix spike sample.
AO= Not analyzed using low level Cl method SM 4500 Cl-E.
AP= No LOQ determination.
AQ= A verified reporting limit standard was not analyzed.

AR= Results reported without MDL study.
AS= Reporting Limit = 0.5
AT= Reporting Limit = 5.0
AU= Reporting Limit = 1.0
AV= Sample run on low level instrument.
AW= Calibration standard expired.
AX= No sample in container when received by laboratory.
AY= Method blank criteria exceeded; assignable cause. Batch cannot be refiltered.
AZ= Matrix spike failed due to matrix effect.
AAA= Batch failed QA standard; assignable cause; insufficient sample for rerun
AAC= Method blank criteria exceeded; insufficient volume for reanalysis.
AAD= Confluent growth estimate.
AAE= Unusually high result; investigated no cause found.
AAF= Sample stored in cooler <6C.
AAG= Sample stored in cooler with temperature > 6 C.
AAI= Temperature and pH taken using not calibrated meter.
AAJ= QA criteria failed.
AAK= Test not assigned.
ZA= Field blank failure.
AAL Field probe not functioning
ABA= RPD failure, duplicate sample not poured for analysis
ABB= Insufficient sample volume for analysis.
ABC= Sample/aliquot not preserved; added prior to analysis
ABD= pH meter not working
ABE= Suspect Inhibition of Growth by media
ABF= Insufficient sample volume for reanalysis.
ABG= Aliquot discarded before reanalysis.
ABH= Two blanks instead of three blanks were used for CL blank correction factor
AGG= Compromised sample.
ABI= Field Blank not included with sample
ABJ= Technician lacked DOC and no cosigner was used
ABK= Expired Preservative used.
ABL= Lab error; Exceeded incubation.
ABM= Sample result outside of the calibration range
ABN= RPD failure.
ABO= IC not working, reanlysis past holding time
ABP= Sample not analyzed for assigned analytes; sample disposed prior to noticing error.
ABQ= RPD failure, insufficient sample volume to refilter.
APQ= Spike recovery failures, OPR passed.
ABR= Improper dilution. Initial result outside calibration range.

Ambient Water Quality Monitoring Program

WW Code	Location Description	North Latitude
WW_18	Salt Creek @ Devon Ave.	41° 59' 34.27"
WW_19	Des Plaines River @ Belmont Ave.	41°56' 14.74"
WW_22	Des Plaines River @ Ogden Ave.	41° 49' 15.36"
WW_23	Des Plaines River @ Willow Springs Rd.	41° 44' 08.31"
WW_36	North Shore Channel @ Touhy Ave.	42° 00' 42.97"
WW_37	North Branch Chicago River @ Wilson Ave.	41° 57' 53.45"
WW_41	Chicago Sanitary & Ship Canal @ Harlem Ave.	41° 48' 04.36"
WW_43	Cal-Sag Channel @ Route # 83	41° 41' 46.82"
WW_48	Chicago Sanitary & Ship Canal @ Stephen St.	41° 40' 46.38"
WW_56	Little Calumet River @ Indiana Ave.	41° 39' 01.19"
WW_57	Little Calumet River @ Ashland Ave.	41° 39' 06.04"
WW_59	Cal-Sag Channel @ Cicero Ave.	41° 39' 19.23"
WW_73	North Branch Chicago River @ Diversey Ave.	41° 55' 56.49"
WW_75	Chicago Sanitary & Ship Canal @ Cicero Ave.	41° 49' 10.47"
WW_76	Little Calumet River @ Halsted St.	41° 39' 27.05"
WW_77	Higgins Creek @ Elmhurst Rd.	42° 01' 17.08"
WW_78	Higgins Creek @ Wille Rd.	42° 01' 07.08"
WW_79	Salt Creek @ Higgins Rd.	42° 01' 53.70"
WW_86	Grand Calumet River @ Burnham Ave.	41° 37' 52.75"
WW_91	Des Plaines River @ Material Service Rd.	41° 35' 47.64"
WW_92	Chicago Sanitary & Ship Canal @ Lockport Powerhouse Forebay	41° 34' 14.12"
WW_96	North Branch Chicago River @ Albany Ave.	41° 58' 27.42"
WW_99	South Fork, South Branch Chicago River @ Archer Ave.	41° 50' 18.78"
WW_100	Chicago River Main Stem @ Wells St.	41° 53' 15.01"
WW_108	South Branch Chicago River @ Loomis St.	41° 50' 45.24"
WW_109	Salt Creek @ Brookfield Ave.	41° 49' 22.12"
WW_110	West Branch DuPage River @ Springinsguth Rd.	42° 00' 29.75"
WW_111	West Branch DuPage River @ Arlington Dr.	41° 58' 29.94"
WW_112	North Shore Channel @ Dempster St.	42° 02' 27.53"

West Longitude
-87° 59' 42.99"
-87° 50' 59.14"
-87° 48' 39.24"
-87° 52' 53.32"
-87° 42' 37.57"
-87° 41' 50.02"
-87° 48' 06.80"
-87° 56' 10.71"
-87° 59' 58.52"
-87° 37' 01.64"
-87° 39' 38.13"
-87° 44' 17.67"
-87° 40' 58.38"
-87° 44' 35.93"
-87° 38' 28.13"
-87° 56' 26.21"
-87° 56' 12.16"
-88° 00' 40.36"
-87° 32' 20.76"
-88° 04' 06.72"
-88° 04' 41.95"
-87° 42' 22.12"
-87° 39' 50.34"
-87° 38' 02.91"
-87° 39' 38.31"
-87° 50' 29.56"
-88° 07' 08.80"
-88° 08' 19.05"
-87° 42' 34.99"

Collect date	Sampling point	Time collected	Temperature Deg C	Temperature Qual Code	Dissolved Oxygen mg/L
22-Jan-19	WW_100	910	3		10.7
19-Feb-19	WW_100	930	4		10.5
18-Mar-19	WW_100	850	6		10.5
15-Apr-19	WW_100	915	11		8.8
20-May-19	WW_100	930	14		9.9
17-Jun-19	WW_100	900	16		9.6
22-Jul-19	WW_100	830	22		8.9
19-Aug-19	WW_100	925	25		6.8
16-Sep-19	WW_100	940	22		8.9
21-Oct-19	WW_100	920	15		9.0
18-Nov-19	WW_100	900	8		9.8
22-Jan-19	WW_108	1010	3		9.3
19-Feb-19	WW_108	1025	4		10.3
18-Mar-19	WW_108	930	6		10.2
15-Apr-19	WW_108	950	10		7.3
20-May-19	WW_108	1040	15		6.0
19-Aug-19	WW_108	900	24		5.6
16-Sep-19	WW_108	945	21		6.7
21-Oct-19	WW_108	915	15		7.5
18-Nov-19	WW_108	910	8		8.9
7-Jan-19	WW_109	845	6		11.0
4-Mar-19	WW_109	850	1		12.3
1-Apr-19	WW_109	915	6		11.1
6-May-19	WW_109	950	15		8.5
3-Jun-19	WW_109	915	18		7.1
8-Jul-19	WW_109	915	23		5.7
5-Aug-19	WW_109	920	25		5.5
3-Sep-19	WW_109	950	21		6.1
7-Oct-19	WW_109	910	16		8.2
4-Nov-19	WW_109	855	9		9.9
2-Dec-19	WW_109	900	6		10.3
7-Jan-19	WW_110	1030	6		10.6
4-Feb-19	WW_110	1000	1		10.7
1-Apr-19	WW_110	1011	3		12.9
6-May-19	WW_110	1000	14		8.9
3-Jun-19	WW_110	1030	15		5.9
8-Jul-19	WW_110	1010	20		4.2
5-Aug-19	WW_110	1010	22		4.6
3-Sep-19	WW_110	1030	20		4.4
7-Oct-19	WW_110	945	14		6.8
4-Nov-19	WW_110	940	9		7.5
2-Dec-19	WW_110	1015	4		9.7
7-Jan-19	WW_111	1250	8		10.3

4-Feb-19	WW_111	1020	4	11.1
1-Apr-19	WW_111	1041	8	14.6
6-May-19	WW_111	1030	16	8.9
3-Jun-19	WW_111	1050	18	9.1
8-Jul-19	WW_111	1030	22	8.2
5-Aug-19	WW_111	1040	25	6.7
3-Sep-19	WW_111	1055	21	5.5
7-Oct-19	WW_111	1015	16	7.3
4-Nov-19	WW_111	1015	11	9.7
2-Dec-19	WW_111	1035	7	10.6
14-Jan-19	WW_112	945	1	12.1
8-Apr-19	WW_112	950	12	14.3
13-May-19	WW_112	1010	11	10.1
10-Jun-19	WW_112	928	17	9.2
15-Jul-19	WW_112	940	24	8.0
12-Aug-19	WW_112	900	24	7.4
9-Sep-19	WW_112	955	17	9.0
14-Oct-19	WW_112	930	11	7.9
12-Nov-19	WW_112	950	2	10.5
9-Dec-19	WW_112	1000	5	9.4
7-Jan-19	WW_18	930	7	10.6
4-Feb-19	WW_18	930	5	10.7
4-Mar-19	WW_18	920	6	10.2
1-Apr-19	WW_18	935	9	11.6
6-May-19	WW_18	930	15	9.3
3-Jun-19	WW_18	937	18	7.9
8-Jul-19	WW_18	945	21	7.2
5-Aug-19	WW_18	945	22	5.8
3-Sep-19	WW_18	1000	22	5.4
7-Oct-19	WW_18	920	16	8.3
4-Nov-19	WW_18	920	9	10.1
2-Dec-19	WW_18	940	6	11.0
7-Jan-19	WW_19	1440	6	11.6
4-Feb-19	WW_19	1240	2	10.8
1-Apr-19	WW_19	1306	7	12.1
6-May-19	WW_19	1145	15	8.8
3-Jun-19	WW_19	1247	19	7.1
8-Jul-19	WW_19	1315	25	6.6
5-Aug-19	WW_19	1235	26	7.1
3-Sep-19	WW_19	1250	22	6.1
7-Oct-19	WW_19	1235	16	7.1
4-Nov-19	WW_19	1155	8	9.6
2-Dec-19	WW_19	1205	5	10.7
7-Jan-19	WW_22	915	5	11.8
1-Apr-19	WW_22	935	7	12.0
6-May-19	WW_22	1010	15	8.6
3-Jun-19	WW_22	940	19	7.2

8-Jul-19	WW_22	955	25	6.5
5-Aug-19	WW_22	955	26	7.4
3-Sep-19	WW_22	1020	22	6.1
7-Oct-19	WW_22	940	16	7.5
4-Nov-19	WW_22	930	7	10.2
2-Dec-19	WW_22	925	6	10.5
3-Sep-19	WW_23	1105	22	6.6
7-Oct-19	WW_23	1050	16	7.1
4-Nov-19	WW_23	1010	7	9.8
2-Dec-19	WW_23	1000	6	10.0
14-Jan-19	WW_36	1010	10	9.6
13-Feb-19	WW_36	1035	5	11.0
11-Mar-19	WW_36	1025	8	10.6
8-Apr-19	WW_36	1015	14	9.4
13-May-19	WW_36	1030	13	9.2
10-Jun-19	WW_36	950	17	8.8
15-Jul-19	WW_36	1005	23	7.3
12-Aug-19	WW_36	920	23	7.0
9-Sep-19	WW_36	1020	20	8.2
14-Oct-19	WW_36	1000	18	8.5
12-Nov-19	WW_36	1010	12	9.9
9-Dec-19	WW_36	1030	13	8.7
13-May-19	WW_37	1140	13	8.8
10-Jun-19	WW_37	1034	18	8.7
15-Jul-19	WW_37	1110	23	7.8
12-Aug-19	WW_37	1010	23	5.8
9-Sep-19	WW_37	1105	20	7.8
14-Oct-19	WW_37	1105	15	8.3
12-Nov-19	WW_37	1105	9	9.3
9-Dec-19	WW_37	1120	11	9.5
22-Jan-19	WW_41	940	7	9.2
19-Feb-19	WW_41	925	6	9.9
18-Mar-19	WW_41	915	8	9.2
15-Apr-19	WW_41	915	10	9.3
20-May-19	WW_41	1020	15	7.4
17-Jun-19	WW_41	856	17	6.6
22-Jul-19	WW_41	930	23	6.1
19-Aug-19	WW_41	1035	25	5.6
16-Sep-19	WW_41	1110	22	6.7
21-Oct-19	WW_41	1020	18	7.9
18-Nov-19	WW_41	1020	11	8.0
25-Feb-19	WW_43	930	5	10.6
25-Mar-19	WW_43	955	9	8.7
22-Apr-19	WW_43	920	15	7.3
28-May-19	WW_43	930	18	6.2
24-Jun-19	WW_43	900	20	5.2
29-Jul-19	WW_43	930	25	9.3

26-Aug-19	WW_43	910	23	9.0
23-Sep-19	WW_43	1020	22	6.4
28-Oct-19	WW_43	945	12	7.2
25-Nov-19	WW_43	905	8	7.0
22-Jan-19	WW_48	1155	6	8.7
19-Feb-19	WW_48	1125	6	8.5
18-Mar-19	WW_48	1115	9	7.7
15-Apr-19	WW_48	1125	11	6.3
20-May-19	WW_48	1210	16	5.8
17-Jun-19	WW_48	1101	18	4.3
22-Jul-19	WW_48	1110	25	4.5
19-Aug-19	WW_48	1220	25	4.9
16-Sep-19	WW_48	1215	22	6.0
21-Oct-19	WW_48	1200	17	6.4
18-Nov-19	WW_48	1215	9	7.8
25-Feb-19	WW_56	1145	2	12.1
25-Mar-19	WW_56	1150	8	12.8
22-Apr-19	WW_56	1130	14	11.8
28-May-19	WW_56	1135	19	9.3
24-Jun-19	WW_56	1055	22	8.8
29-Jul-19	WW_56	1130	25	9.2
26-Aug-19	WW_56	1105	24	8.3
23-Sep-19	WW_56	1230	23	8.3
28-Oct-19	WW_56	1155	13	8.6
25-Nov-19	WW_56	1050	7	9.5
25-Feb-19	WW_57	1100	2	11.9
25-Mar-19	WW_57	1120	8	9.7
22-Apr-19	WW_57	1055	15	8.4
28-May-19	WW_57	1055	19	5.0
24-Jun-19	WW_57	1025	22	5.6
29-Jul-19	WW_57	1050	25	5.3
26-Aug-19	WW_57	1020	21	5.6
23-Sep-19	WW_57	1150	22	6.0
28-Oct-19	WW_57	1115	11	7.8
25-Nov-19	WW_57	1005	6	9.6
25-Feb-19	WW_59	1025	4	10.7
25-Mar-19	WW_59	1040	9	9.4
22-Apr-19	WW_59	1025	15	7.7
28-May-19	WW_59	1025	18	5.8
24-Jun-19	WW_59	955	20	5.8
29-Jul-19	WW_59	1025	24	7.7
26-Aug-19	WW_59	950	23	8.3
23-Sep-19	WW_59	1115	22	6.3
28-Oct-19	WW_59	1040	12	7.7
25-Nov-19	WW_59	940	9	7.9
14-Jan-19	WW_73	1100	8	9.3
13-Feb-19	WW_73	1150	4	10.4

11-Mar-19	WW_73	1135	4	11.2
8-Apr-19	WW_73	1120	13	6.4
13-May-19	WW_73	1215	13	8.2
10-Jun-19	WW_73	1100	18	7.5
15-Jul-19	WW_73	1140	23	6.9
12-Aug-19	WW_73	1040	23	5.3
9-Sep-19	WW_73	1125	20	7.2
14-Oct-19	WW_73	1135	15	8.1
12-Nov-19	WW_73	1135	9	8.8
9-Dec-19	WW_73	1200	11	8.6
22-Jan-19	WW_75	900	2	9.4
19-Feb-19	WW_75	845	4	10.0
18-Mar-19	WW_75	830	8	9.1
15-Apr-19	WW_75	840	10	8.1
20-May-19	WW_75	930	15	5.9
17-Jun-19	WW_75	825	18	5.7
22-Jul-19	WW_75	835	24	5.9
19-Aug-19	WW_75	950	25	5.3
16-Sep-19	WW_75	1040	21	6.2
21-Oct-19	WW_75	1000	14	7.2
18-Nov-19	WW_75	945	7	7.3
25-Feb-19	WW_76	1115	6	9.8
25-Mar-19	WW_76	1135	10	9.3
22-Apr-19	WW_76	1115	14	8.1
28-May-19	WW_76	1115	17	7.4
24-Jun-19	WW_76	1040	21	7.7
29-Jul-19	WW_76	1110	23	8.8
26-Aug-19	WW_76	1045	23	8.2
23-Sep-19	WW_76	1200	23	7.2
28-Oct-19	WW_76	1130	14	8.0
25-Nov-19	WW_76	1035	10	8.3
7-Jan-19	WW_77	1330	7	10.7
4-Feb-19	WW_77	1120	2	11.4
1-Apr-19	WW_77	1138	5	13.9
6-May-19	WW_77	1100	16	8.7
3-Jun-19	WW_77	1140	18	9.5
8-Jul-19	WW_77	1125	23	6.7
5-Aug-19	WW_77	1120	25	1.7
3-Sep-19	WW_77	1135	21	7.0
7-Oct-19	WW_77	1130	15	8.2
4-Nov-19	WW_77	1055	9	9.5
2-Dec-19	WW_77	1110	4	11.3
7-Jan-19	WW_78	1355	11	10.2
4-Feb-19	WW_78	1210	6	10.6
1-Apr-19	WW_78	1212	11	11.6
6-May-19	WW_78	1115	13	9.5
3-Jun-19	WW_78	1212	16	9.5

8-Jul-19	WW_78	1150	21	8.8
5-Aug-19	WW_78	1145	23	8.4
3-Sep-19	WW_78	1210	22	8.6
7-Oct-19	WW_78	1150	19	9.3
7-Jan-19	WW_79	855	9	9.2
4-Feb-19	WW_79	900	7	10.0
1-Apr-19	WW_79	855	8	9.8
6-May-19	WW_79	910	16	6.7
3-Jun-19	WW_79	915	16	5.8
8-Jul-19	WW_79	920	23	2.9
5-Aug-19	WW_79	915	27	4.6
3-Sep-19	WW_79	930	22	4.9
7-Oct-19	WW_79	850	14	6.1
4-Nov-19	WW_79	855	7	9.5
2-Dec-19	WW_79	915	5	10.5
28-Jan-19	WW_86	1130	6	10.2
25-Feb-19	WW_86	945	5	10.5
25-Mar-19	WW_86	930	10	9.1
22-Apr-19	WW_86	955	15	9.7
28-May-19	WW_86	1000	19	7.6
24-Jun-19	WW_86	925	20	6.6
29-Jul-19	WW_86	930	25	5.8
26-Aug-19	WW_86	1050	23	6.0
23-Sep-19	WW_86	940	22	5.7
28-Oct-19	WW_86	918	15	7.3
25-Nov-19	WW_86	915	11	8.7
7-Jan-19	WW_91	1030	5	11.7
4-Feb-19	WW_91	1005	1	10.9
1-Apr-19	WW_91	1100	7	12.7
6-May-19	WW_91	1140	15	8.6
3-Jun-19	WW_91	1045	20	7.4
8-Jul-19	WW_91	1120	25	8.6
5-Aug-19	WW_91	1130	28	9.5
3-Sep-19	WW_91	1155	22	5.9
7-Oct-19	WW_91	1145	17	7.6
4-Nov-19	WW_91	1100	8	10.2
2-Dec-19	WW_91	1100	6	10.9
7-Jan-19	WW_92	1100	8	8.4
14-Jan-19	WW_92	1020	8	8.1
22-Jan-19	WW_92	1215	6	7.9
28-Jan-19	WW_92	1320	4	9.0
4-Feb-19	WW_92	1030	4	9.6
13-Feb-19	WW_92	1330	6	9.6
19-Feb-19	WW_92	1220	6	8.3
25-Feb-19	WW_92	1050	6	8.8
11-Mar-19	WW_92	1015	7	8.6
18-Mar-19	WW_92	1120	9	6.8

25-Mar-19	WW_92	1050	10	7.3
1-Apr-19	WW_92	1120	9	6.7
8-Apr-19	WW_92	1315	13	4.8
15-Apr-19	WW_92	1105	13	5.1
22-Apr-19	WW_92	1145	15	5.4
29-Apr-19	WW_92	1045	13	5.4
6-May-19	WW_92	1210	15	5.9
13-May-19	WW_92	1000	15	5.5
20-May-19	WW_92	1310	16	5.5
28-May-19	WW_92	1215	18	3.5
3-Jun-19	WW_92	1130	19	3.8
10-Jun-19	WW_92	1240	20	3.6
17-Jun-19	WW_92	1120	18	4.0
24-Jun-19	WW_92	1150	20	3.8
1-Jul-19	WW_92	1025	24	3.8
8-Jul-19	WW_92	1150	25	4.3
15-Jul-19	WW_92	1315	25	5.3
22-Jul-19	WW_92	1030	25	4.0
29-Jul-19	WW_92	1100	24	5.4
5-Aug-19	WW_92	1210	26	7.6
12-Aug-19	WW_92	1200	25	1.1
19-Aug-19	WW_92	1115	25	5.0
26-Aug-19	WW_92	1250	23	5.6
3-Sep-19	WW_92	1225	23	5.5
9-Sep-19	WW_92	1310	22	5.5
16-Sep-19	WW_92	1120	22	5.9
23-Sep-19	WW_92	1150	23	5.3
30-Sep-19	WW_92	1030	19	6.1
7-Oct-19	WW_92	1230	19	5.8
14-Oct-19	WW_92	1310	16	6.5
21-Oct-19	WW_92	1200	16	6.3
28-Oct-19	WW_92	1050	13	7.3
4-Nov-19	WW_92	1135	11	7.9
12-Nov-19	WW_92	1330	11	7.7
18-Nov-19	WW_92	1140	10	7.9
25-Nov-19	WW_92	1100	10	7.2
2-Dec-19	WW_92	1130	9	7.9
9-Dec-19	WW_92	930	9	7.9
14-Jan-19	WW_96	1030	2	13.0
13-Feb-19	WW_96	1110	1	12.2
11-Mar-19	WW_96	1110	2	12.2
8-Apr-19	WW_96	1045	14	9.2
13-May-19	WW_96	1115	13	9.4
10-Jun-19	WW_96	1010	19	7.2
15-Jul-19	WW_96	1040	26	7.5
12-Aug-19	WW_96	950	24	6.8
9-Sep-19	WW_96	1040	19	8.5

14-Oct-19	WW_96	1040	12	9.3
12-Nov-19	WW_96	1040	2	10.9
9-Dec-19	WW_96	1055	6	11.1
19-Feb-19	WW_99	1110	2	8.7
18-Mar-19	WW_99	1000	6	10.4
15-Apr-19	WW_99	1005	9	7.3
20-May-19	WW_99	1120	15	3.7
17-Jun-19	WW_99	950	18	1.5
22-Jul-19	WW_99	920	24	4.5
19-Aug-19	WW_99	1015	25	3.6
21-Oct-19	WW_99	1015	14	1.9
18-Nov-19	WW_99	955	6	6.5

Reporting Limit Effective January 1
Reporting Limit Effective April 1

* LL Hg: Based on the sample matrix some samples need to be diluted. The reporting limit of 0.5 ng/L for LL Hg will then change by the same factor.
WW_99, Tot Hg is performed instead of LLHg
Metals are analyzed with dilution factor of 2
LIMS can't calculate <LOQ result. So it is calculated manually.
X=Sample MS recovery failed but LCS passed.
ABO = IC not working, reanalysis past holding time
A=Method blank criteria exceeded; holding time exceeded for reanalysis.
K= Contamination Suspected.
ABN= RPD Failure.
S= LCS failure; holding time time exceeded for reanalysis.
L= Unable to confirm result
ZA= Field blank failure.
AB= Aliquot never arrived at laboratory.
ABP= Sample not analyzed for assigned analytes; sample disposed prior to noticing error.
AAC= Method blank criteria exceeded; insufficient volume for reanalysis.
AAK= Test not assigned.
D=Sample/Aliquot holding time exceeded.
AAC=Method blank criteria exceeded; insufficient volume for reanalysis.
ABQ=RPD failure, insufficient sample volume to refilter.
ABR=Improper dilution. Initial result outside calibration range.
January 7, 2019, WW 23: No Sample, No Access.
January 22, 2019, WW 99: No Sample, Waterway frozen.
January 28, 2019, WW 56, 76, 57, 59, 43: No Sample, Waterway frozen.
February 4, 2019, WW 109, WW 22, WW23: No Sample, Waterway frozen.
February 13, 2019, WW 112, WW 34: No Sample, Waterway frozen.
March 4, 2019, WW78, WW 19, WW 22, WW 23, WW 91, WW 110, WW 111, WW 92, WW 77: No sample,
March 4, 2019, WW 79, WW 114: No sample, waterway frozen.
March 11, 2019, WW 112: No sample, waterway frozen.
April 1, 12, 2019, WW 23: No sample. Bridge under construction.

May 1, 2019, WW 23: No sample. Bridge under construction.
June 3, 14, 2019, WW 23: No sample. Bridge under construction.
June 17, 2019, WW 108: No sample. Bridge closed.
July 8, 2019, WW 23: Sample never arrived at laboratory.
July 22, 2019, WW 108: No sample. Bridge under construction.
August 5, 2019, WW 23: No sample, Bridge under construction.
August 27, 2019, WW 37: Sample logged in by mistake.
September 16, 2019, WW 99: No sample, Bridge under construction.
November 4, 2019, WW 78: No sample, no access (road construction).
December 2, 2019, WW 78: No sample, no access (road construction).

Dissolved Oxygen Qual Code	pH	pH Qual Code	Nitrate +Nitrite Nitrogen mg/L	Nitrate +Nitrite Nitrogen Qual Code	Total Ammonia Nitrogen mg/L	Total Ammonia Nitrogen Qual Code	TKN mg/L	TKN Qual Code
	7.2		4.60		<0.5		<1	
	7.4		5.34		0.7		1	
	7.7		3.20		<0.5		<1	
	7.1		3.83		0.4		<1	
	7.1		0.65		<0.3		<1	
	7.1		0.29		<0.3		<1	
	7.1		0.48		<0.3		<1	
	6.9		1.21		<0.3		<1	
	6.8		0.29		<0.3		<1	
	7.0		1.86		<0.3		<1	
	6.9		3.10		<0.3		<1	
	7.1		7.89		<0.5		1	
	7.2		4.40		0.5		1	
	7.7		3.37		<0.5		1	
	7.0		5.91		1.1		2	
	7.2		4.64		0.5		1	
	7.3		3.73		0.4		<1	
	7.2		2.48		<0.3		<1	
	6.9		5.08		<0.3		<1	
	7.4		5.12		<0.3		<1	
	8.1		4.91		<0.5		<1	
	6.8		6.85		<0.5		<1	
	7.2		4.36		<0.3		<1	
	7.9		1.42		<0.3		<1	
	6.9		3.01		<0.3		2	
	7.8		3.48		<0.3		**<1**	X
	7.8		9.85		<0.3		2	
	7.6		7.24		1.4		<1	
	7.0		2.01		<0.3		<1	
	7.1		3.00		<0.3		<1	
	7.5		2.89		<0.3		<1	
	7.5		0.56		<0.5		1	
	7.3		0.90		<0.5		2	
	8.0		0.41		<0.3		1	
	7.5		0.62		<0.3		1	
	7.6		0.38		0.3		2	
	7.2		0.82		0.4		<1	
	7.1		0.62		<0.3		1	
	7.0		0.89		0.4		1	
	6.8		0.75		<0.3		1	
	7.3		0.70		**<0.3**	X	1	
	7.5		0.43		<0.3		<1	
	7.5		9.22		<0.5		1	

7.3	2.80		<0.5	1
8.2	10.32		<0.3	1
7.7	5.36		0.5	1
7.8	6.83		<0.3	2
7.4	15.34		0.4	1
7.0	21.95		<0.3	2
7.0	**14.31**	X	<0.3	1
7.0	5.86		<0.3	1
7.6	6.59		<0.3	<1
7.7	6.39		<0.3	1
8.0	0.33		<0.5	<1
8.0	0.26		<0.3	<1
7.6	0.35		<0.3	<1
8.2	0.27		<0.3	<1
7.2	<0.25		<0.3	<1
8.0	<0.25		<0.3	<1
7.2	0.26		<0.3	<1
7.1	<0.25		<0.3	<1
7.0	<0.25		<0.3	<1
7.0	<0.25		<0.3	<1
7.6	4.78		0.6	1
6.9	1.51		0.5	1
7.5	12.10		<0.5	<1
7.9	6.89		0.4	1
7.5	0.91		<0.3	<1
7.5	4.72		<0.3	2
6.9	13.95		<0.3	<1
6.6	**14.04**	X	<0.3	1
6.8	7.54		<0.3	1
6.8	1.51		<0.3	<1
7.3	2.90		<0.3	<1
7.7	3.57		<0.3	<1
8.0	2.86		<0.5	<1
7.6	2.96		<0.5	<1
8.4	2.77		<0.3	<1
7.8	1.75		<0.3	<1
7.8	1.69		<0.3	2
7.5	2.15		<0.3	<1
7.6	6.16		<0.3	<1
7.4	4.28		<0.3	<1
7.4	1.10		<0.3	<1
7.8	1.34		<0.3	<1
7.9	2.28		<0.3	<1
8.0	3.18		<0.5	<1
7.5	2.92		<0.3	<1
7.9	1.74		<0.3	<1
7.2	1.69		<0.3	2

7.9	2.14		<0.3	**<1**	X
8.0	6.32		<0.3	<1	
7.6	4.72		<0.3	<1	
7.3	1.30		<0.3	<1	
7.2	2.60		<0.3	<1	
7.7	2.28		<0.3	<1	
7.8	3.21		<0.3	<1	
7.4	1.34		<0.3	<1	
7.4	1.52		<0.3	<1	
7.6	2.40		<0.3	<1	
7.6	8.13		1.5	2	
7.2	6.77		<0.5	1	
6.5	7.39		1.0	2	
7.1	5.43		0.4	1	
7.1	4.87		1.6	2	
7.5	5.80		<0.3	<1	
6.8	5.54		0.5	**1**	X
7.3	6.05		1.1	2	
6.7	7.57		0.7	1	
7.1	10.26		<0.3	<1	
7.2	6.48		<0.3	<1	
7.0	**9.39**	X	1.8	**3**	X
7.6	3.52		1.9	3	
7.7	6.17		0.4	<1	
7.1	6.74		0.6	1	
7.6	6.99		0.9	2	
7.1	7.57		0.4	<1	
7.6	7.04		<0.3	<1	
7.4	7.01		0.3	<1	
7.4	10.10		0.9	2	
6.9	6.87		<0.5	1	
6.9	2.26		2.3	3	
6.8	2.77		2.1	3	
7.3	4.71		0.6	1	
7.1	3.90		<0.3	1	
6.9	4.23		1.0	2	
6.6	3.75		<0.3	<1	
7.5	3.56		<0.3	<1	
7.2	4.90		<0.3	<1	
6.8	5.82		<0.3	1	
7.2	8.35		0.4	1	
8.4	2.95		0.5	1	
7.4	4.48		0.5	<1	
6.9	3.61		<0.3	1	
6.9	1.88		<0.3	1	
6.7	2.57		<0.3	<1	
7.4	1.48		<0.3	<1	

7.4	2.84	<0.3	<1	
7.3	2.70	<0.3	<1	
6.7	2.39	0.3	<1	
7.0	3.76	<0.3	<1	
7.2	6.32	<0.5	<1	
7.1	2.68	1.3	2	
7.9	3.36	1.9	3	
7.3	4.87	0.8	2	
7.2	2.81	0.4	1	
7.1	3.43	1.4	2	
6.8	3.18	0.3	<1	
7.5	3.34	0.3	<1	
7.4	4.15	<0.3	<1	
7.1	5.70	<0.3	1	
7.2	5.33	0.3	<1	
7.7	3.75	<0.5	<1	
8.0	4.19	<0.5	<1	
7.9	3.46	<0.3	<1	
6.9	1.90	<0.3	<1	
7.7	1.59	<0.3	<1	
7.9	1.23	<0.3	<1	
8.0	1.34	<0.3	<1	
7.9	0.97	<0.3	<1	
7.6	2.22	<0.3	<1	
7.6	2.81	<0.3	<1	
7.8	1.16	<0.5	<1	
7.9	2.33	<0.5	2	
7.7	1.30	<0.3	<1	
7.3	1.02	<0.3	1	
7.5	1.34	<0.3	<1	
7.5	3.10	<0.3	<1	
7.8	4.39	<0.3	1	
7.6	2.12	<0.3	<1	
7.3	0.99	<0.3	<1	
7.5	2.49	<0.3	<1	
7.5	2.56	<0.5	1	
7.4	5.02	<0.5	1	
7.2	3.44	<0.3	<1	
7.1	2.02	<0.3	<1	
7.2	2.56	<0.3	<1	
7.4	2.50	<0.3	<1	
7.7	2.32	<0.3	<1	
7.4	3.63	<0.3	<1	
7.1	1.94	<0.3	**<1**	X
7.2	4.32	0.3	1	
7.6	7.41	<0.5	**1**	X
7.3	4.38	0.6	1	

7.0	4.15		<0.5	1	
7.3	6.80		3.5	4	
7.5	5.32		1.4	2	
7.6	9.04		0.5	1	
7.1	6.26		0.3	**1**	X
7.3	6.38		0.7	1	
7.1	8.28		<0.3	<1	
7.6	6.18		<0.3	<1	
7.4	6.82		<0.3	<1	
7.5	8.98		0.4	1	
7.0	6.46		<0.5	<1	
7.0	4.45		0.6	1	
6.7	2.62		<0.5	<1	
7.2	6.64		0.6	1	
7.2	3.39		1.1	2	
6.9	2.54		0.4	<1	
6.8	2.20		<0.3	<1	
7.5	2.86		0.3	<1	
7.4	1.88		<0.3	<1	
6.9	4.86		0.3	<1	
7.3	6.53		0.8	1	
7.9	5.43		<0.5	<1	
7.3	7.54		<0.5	1	
7.3	5.73		<0.3	<1	
7.2	3.46		<0.3	<1	
7.4	2.42		<0.3	<1	
7.6	3.38		<0.3	<1	
7.7	3.65		<0.3	<1	
7.3	3.95		<0.3	<1	
7.3	4.32		<0.3	<1	
7.3	4.94		<0.3	<1	
7.8	0.47		<0.5	<1	
7.4	0.77		<0.5	1	
8.6	<0.25		<0.3	<1	
7.7	0.33		<0.3	<1	
8.0	<0.25		<0.3	**2**	X
7.4	<0.25		<0.3	<1	
7.3	<0.25		<0.3	<1	
7.3	0.43		<0.3	<1	
7.4	**0.58**	X	<0.3	<1	
7.8	0.42		<0.3	<1	
7.7	0.38		<0.3	<1	
7.5	5.15		<0.5	<1	
7.3	2.51		<0.5	1	
7.9	4.40		<0.3	<1	
7.5	4.79		<0.3	3	
7.6	5.64		0.4	2	

7.4	8.29	<0.3		<1
7.3	8.04	0.3		2
7.2	7.69	0.4		1
7.3	5.43	<0.3		<1
7.3	4.50	<0.5		<1
6.7	2.89	<0.5		1
7.6	3.78	<0.3		<1
7.5	0.36	<0.3		<1
7.4	0.39	<0.3		1
6.9	<0.25	0.5		<1
6.7	<0.25	<0.3		1
6.8	<0.25	0.7		<1
6.7	0.36	<0.3		<1
7.1	0.44	<0.3		<1
7.6	0.35	<0.3		<1
7.4	6.32	<0.5		<1
6.7	5.96	<0.5		<1
7.8	6.38	<0.5		<1
6.9	6.19	<0.3		1
6.9	3.72	<0.3		<1
6.9	5.54	<0.3		<1
6.9	3.97	<0.3		<1
6.6	4.12	<0.3		<1
6.6	3.80	<0.3		<1
6.7	4.11	<0.3		<1
6.7	4.61	<0.3		<1
7.8	3.06	<0.5		<1
7.1	6.68	<0.5		<1
7.7	2.79	<0.3		<1
7.9	1.42	<0.3		<1
7.3	2.16	<0.3		2
8.1	2.11	<0.3		<1
8.5	3.27	<0.3		<1
7.8	2.77	T/X	L	<1
7.5	1.30	<0.3		<1
7.5	1.60	<0.3		<1
7.7	2.51	<0.3		<1
7.9	4.73	0.8		1
8.2	5.50	<0.5		<1
7.2	6.75	<0.5		1
7.3	5.86	0.7		1
7.0	4.84	0.5		1
7.6	3.29	1.3		2
7.3	3.04	1.6		2
6.8	3.14	1.4		2
6.8	3.80	3.5		4
7.4	4.01	1.8		3

7.5	3.94		2.0		2	
7.4	4.24		2.0		3	
7.2	<0.25		<0.3		2	
7.2	4.88		1.1		2	
6.9	3.50		0.5		1	
7.2	4.44		0.9		2	
7.5	2.86		0.4		<1	
6.9	3.52		0.5		1	
7.2	3.01		0.4		**<1**	X
7.1	2.57		0.3		1	
7.0	3.33		0.5		2	
7.4	3.87		0.5		<1	
6.8	3.93		0.9		1	
7.0	3.45		0.8		1	
6.2	2.63		0.4		<1	
7.4	3.97		0.5		<1	
7.3	4.26		0.3		<1	
7.0	3.38		0.4		<1	
7.2	4.06		<0.3		<1	
7.6	4.38		<0.3		1	
7.3	3.30		0.5		1	
7.0	3.85		0.5		<1	
6.9	5.36		<0.3		<1	
7.4	5.35		<0.3		<1	
6.9	6.62		<0.3		<1	
7.0	5.15		0.4		<1	
6.7	4.68		<0.3		<1	
6.8	3.51		<0.3		<1	
7.3	4.36		<0.3		<1	
7.6	4.70		<0.3		<1	
7.4	3.76		<0.3		1	
6.9	3.79		0.5		<1	
7.2	3.86		<0.3		<1	
7.4	5.45		<0.3		<1	
6.8	4.91		<0.3		<1	
6.5	**5.92**	X	**0.4**	X	<1	
7.1	6.00		<0.3		<1	
6.7	7.03		0.3		<1	
8.1	4.13		<0.5		<1	
8.0	2.30		<0.5		<1	
7.0	1.79		<0.5		<1	
7.7	2.92		<0.3		<1	
7.8	1.32		<0.3		<1	
8.0	1.91		<0.3		<1	
7.4	6.26		<0.3		<1	
7.8	6.68		<0.3		<1	
7.2	6.05		<0.3		<1	

7.7	1.48	<0.3	<1	
7.6	2.85	<0.3	<1	
7.7	3.97	<0.3	**<1**	X
7.2	3.65	0.6	1	
7.8	3.20	<0.5	1	
7.2	6.40	0.7	2	
7.2	1.90	1.1	2	
6.9	2.08	1.0	2	
7.0	1.89	0.5	1	
6.9	1.98	0.6	1	
7.2	2.94	1.4	2	
6.9	5.02	0.9	1	
	0.25	0.5	1	
	0.25	0.3	1	

Sampling run cancelled due to extreme cold weather.

Total Phosphorus mg/L	Total Phosphorus Qual Code	Total Dissolved Solids mg/L	Total Dissolved Solids Qual Code	Total Suspended Solids mg/L	Total Suspended Solids Qual Code	Volatile Suspended Solids mg/L	Volatile Suspended Solids Qual Code
0.6		620		5		<4	
0.5		1060		6		<4	
0.3		498		4		<4	
0.44		436		5		<4	
<0.15		230		4		<4	
<0.15		160		4		<4	
<0.15		196		<4		<4	
0.22		198		6		<4	
<0.15		180		8		<4	
0.25		274		<4		<4	
0.49		450		5		<4	
1.0	X	752		5		<4	
0.5		1290		13		4	
0.3		670		13		4	
0.71		564		9		<4	
0.72		488		17		4	
0.66		260		7		<4	
0.36		282		17		<4	
0.73		442		7		<4	
0.92		602		5		<4	
0.7		738		7		<4	
0.8		1150		11		<4	
0.66		1072		7		<4	
0.23		584		24		<4	
0.82		618		21		4	
0.81		602		11		<4	
1.77		686		4		<4	
1.48		520		12		<4	
0.32		426		29		4	
0.38		492		9		<4	
0.44		550		11		4	
0.3		964		53		15	
0.2		864		130		28	
<0.15		1176		7		<4	
<0.15		992		12		4	
0.39		776		4		<4	
0.20		918		<4		<4	
0.41		484		11		4	
0.17		312		11		<4	
<0.15		476		6		<4	
<0.15		624		7		<4	
<0.15		604		8		<4	
1.4		656		49		9	

0.5	1370	67	12
1.48	886	10	5
0.80	656	15	<4
1.56	546	18	4
2.56	612	17	6
3.13	554	19	4
2.57	468	21	5
0.81	494	15	<4
0.86	510	15	5
0.88	612	18	6
<0.1	614	7	5
<0.15	822	14	7
<0.15	188	6	<4
<0.15	140	7	<4
<0.15	160	16	<4
<0.15	194	14	<4
<0.15	174	5	<4
<0.15	206	4	<4
<0.15	272	<4	<4
<0.15	300	<4	<4
0.9	666	8	<4
0.4	1478	10	4
1.7	872	8	<4
1.11	900	6	<4
0.16	570	13	<4
1.08	558	8	<4
3.10	650	<4	<4
3.69	630	5	<4
1.87	476	7	<4
0.16	382	11	<4
0.43	456	6	<4
0.65	592	6	<4
0.3	642	10	4
0.2	1568	22	5
0.28	678	12	<4
<0.15	554	12	<4
0.52	488	24	5
0.34	450	24	5
0.42	630	13	4
0.42	544	13	<4
0.18	352	15	<4
0.27	380	12	4
<0.15	504	11	<4
0.3	626	6	<4
0.33	762	10	<4
<0.15	560	14	<4
0.54	492	28	5

0.36		486	34	6
0.72		650	6	<4
0.70		520	13	4
0.29		384	18	<4
0.24		424	14	5
0.24	X	518	10	<4
0.48		488	13	4
0.26		386	17	<4
0.26		400	13	<4
0.37		500	19	5
1.5		1306	9	6
0.5		1690	7	5
0.8		592	7	6
0.96		502	8	6
0.85		552	5	<4
0.95		432	6	<4
1.32		352	10	<4
1.49		350	10	4
1.84		400	5	<4
1.48		510	4	<4
1.32		1222	4	<4
1.72		488	5	<4
0.69		560	14	4
0.97		466	10	<4
1.28		412	10	<4
1.27		386	8	<4
1.38		426	4	<4
0.85		502	<4	<4
1.17		1278	5	<4
1.27		564	<4	<4
0.6		1560	6	<4
0.4		2034	9	5
0.2		722	10	4
0.39		760	8	5
0.34		554	12	4
0.41		422	6	<4
0.56		350	11	4
0.56		268	5	<4
0.70		326	10	<4
0.35		468	4	<4
1.12		622	4	<4
0.8		1086	31	7
1.2		812	12	<4
1.04		584	11	<4
0.34		422	49	9
0.70		488	7	<4
0.56		396	19	5

0.90		402	13	4
0.83		364	20	4
0.86		374	55	9
0.98		572	10	<4
0.8	X	768	8	<4
0.6		1200	7	<4
0.4		732	24	9
0.99		734	23	5
0.38		566	13	<4
0.53		544	7	<4
0.71		364	11	<4
0.86		344	10	<4
0.75		338	17	<4
0.79		554	12	<4
0.65		602	9	<4
0.1		648	14	<4
0.2		578	11	<4
0.16		574	10	<4
<0.15		470	9	<4
<0.15		366	7	<4
<0.15		310	7	<4
<0.15		262	9	<4
<0.15		240	7	<4
<0.15		402	9	<4
0.16		446	6	<4
0.3		556	132	18
0.9		952	23	4
0.41		644	21	4
0.43		358	90	15
0.35		484	42	6
0.57		1042	30	5
1.15		1034	67	10
0.41		452	29	4
0.32		312	72	9
0.36		708	12	<4
0.6		736	58	8
2.1		802	86	13
0.92		672	5	5
0.38		478	28	7
0.73		528	9	<4
1.45		444	8	<4
1.20		384	19	5
1.80		488	15	<4
0.48		354	57	12
1.73		664	4	<4
1.0		1264	5	<4
0.5	X	2116	13	5

0.4		646	19	6
1.15		698	8	<4
0.79		580	13	4
1.21		584	8	<4
1.05		418	12	<4
1.04		386	13	4
1.78		462	4	<4
0.67		486	10	<4
1.06		790	4	<4
1.16		530	4	<4
0.9		796	4	<4
0.4		1420	15	4
0.2		726	14	<4
0.67		644	8	<4
0.65		494	13	4
0.42		330	12	<4
0.44		324	15	<4
0.47		264	7	<4
0.27		276	18	<4
0.61		420	7	<4
1.18		624	<4	<4
0.5		890	7	<4
1.8		746	10	<4
0.77		676	<4	<4
0.62		468	7	<4
0.40		422	11	<4
1.10		406	6	<4
1.38		378	8	4
1.12		338	9	5
0.59		464	5	<4
1.61		540	7	<4
0.3		726	74	21
0.2		1918	55	14
<0.15		1458	38	7
<0.15	X	870	10	<4
0.73		750	184	30
<0.15		728	11	4
0.22		720	12	<4
<0.15		310	43	8
<0.15		438	14	<4
<0.15		584	13	<4
<0.15		548	14	<4
0.3		708	18	5
0.2		1618	39	12
0.15		838	<4	<4
0.66		624	<4	<4
0.49		672	4	<4

0.75	698	<4	<4
0.41	704	<4	<4
1.62	528	7	<4
0.33	570	<4	<4
0.3	724	8	<4
0.2	1776	21	4
<0.15	922	5	<4
<0.15	620	42	7
0.36	554	22	6
0.21	690	32	10
0.17	690	18	7
<0.15	602	11	<4
<0.15	432	19	4
<0.15	550	10	<4
<0.15	624	9	<4
0.3	560	6	<4
0.3	592	5	<4
0.4	654	9	<4
0.36	640	13	<4
0.28	444	12	<4
0.40	502	4	<4
0.44	476	12	4
0.32	454	10	4
0.40	404	8	<4
0.22	476	14	<4
0.25	490	15	<4
0.2	624	5	<4
0.6	1086	18	4
0.30	756	12	<4
0.16	570	16	<4
0.55	484	27	7
0.39	472	17	5
0.36	638	5	<4
0.39	494	8	<4
0.26	358	12	<4
0.24	388	11	<4
0.35	568	8	<4
0.5	588	11	<4
0.5	688	11	<4
0.5	846	8	<4
1.4	1702	8	<4
0.8	1216	12	4
0.4	1024	33	6
0.6	1260	19	5
0.8	1342	13	5
0.4	924	9	4
0.5	736	15	<4

0.6		814	7	<4	
0.94		808	9	<4	
0.47		746	5	<4	
0.97		708	9	<4	
0.55		638	<4	<4	
0.80		710	33	7	
0.36		626	35	20	
0.45		540	7	<4	
0.44		540	10	<4	
0.26		432	36	10	
0.64		510	9	<4	
0.53		484	9	<4	
0.65		566	7	<4	
0.56		468	7	<4	
0.38		422	7	T/X	AAK
0.57		518	11	<4	
0.71		452	9	4	
0.69		396	8	<4	
1.08		466	39	34	
1.15		434	10	4	
1.18		448	12	4	
1.20		396	<4	<4	
0.88	X	418	8	<4	
1.28		432	9	<4	
0.67		438	4	<4	
1.01		404	10	<4	
0.83		438	6	<4	
0.52		278	18	5	
0.72		448	8	<4	
0.49		448	8	<4	
0.55		540	12	4	
0.62		388	18	<4	
0.44		438	13	<4	
0.63		528	6	<4	
0.75		656	8	<4	
0.82		682	6	<4	
1.02		560	8	<4	
1.00		590	13	<4	
0.3		1136	7	<4	
0.3		1780	15	4	
0.2		652	32	6	
0.25		696	24	<4	
0.23		506	26	5	
0.46		508	16	4	
0.66		692	8	<4	
0.26		530	<4	<4	
0.30		570	9	<4	

<0.15		432	10	<4
0.23		890	6	<4
<0.15	X	632	5	<4
0.4		1334	12	4
0.3	X	698	17	7
0.69		688	8	<4
0.42		510	13	7
0.35		368	8	4
0.32		342	19	9
0.21		296	6	4
0.69		448	11	4
0.91		702	<4	<4
0.1		25	4	4
0.15		25	4	4

Total Organic Carbon mg/L	Total Organic Carbon Qual Code	Phenol ug/L	Phenol Qual Code	Total Cyanide mg/L	Total Cyanide Qual Code	Cyanide amenable to chlorination mg/L	Cyanide amenable to chlorination Qual Code	Fats, Oils, Greases mg/L
3		<5		<0.005		<0.005		-----
2		<5		0.006		<0.005		-----
3		<5		<0.005		<0.005		-----
3		<5		<0.005		<0.005		-----
1		<5		<0.005		<0.005		-----
2		<5		<0.005		<0.005		-----
<1		<5		<0.005				-----
2		<5		<0.005		<0.005		-----
2		<5		<0.005		<0.005		-----
2		<5		<0.005		<0.005		-----
2		7		<0.005		<0.005		-----
4		<5		0.006		<0.005		-----
2		6		0.006		<0.005		-----
4		<5		<0.005		<0.005		-----
4		<5		<0.005		<0.005		-----
3		**<5**	X	<0.005		<0.005		-----
3		<5		<0.005		<0.005		-----
4		<5		<0.005		<0.005		-----
3		<5		<0.005		<0.005		-----
3		8		<0.005		<0.005		-----
4		<5		<0.005		<0.005		-----
3		<5		<0.005		<0.005		-----
4		<5		<0.005		<0.005		-----
4		<5		<0.005		<0.005		-----
5		<5		<0.005		<0.005		-----
7		<5		<0.005		<0.005		-----
11		<5		<0.005		<0.005		-----
5		<5		<0.005		<0.005		-----
5		<5		<0.005		<0.005		-----
4		9		<0.005		<0.005		-----
4		<5		<0.005		<0.005		-----
7		5		0.006		<0.005		-----
3		<5		0.007		<0.005		-----
7		<5		<0.005		<0.005		-----
9		<5		<0.005		<0.005		-----
11		<5		<0.005		<0.005		-----
10		9		0.006		<0.005		-----
10		<5		<0.005		<0.005		-----
10		<5		<0.005		<0.005		-----
11		<5		<0.005		<0.005		-----
11		9		<0.005		<0.005		-----
8		<5		<0.005		<0.005		-----
6		5		<0.005		<0.005		-----

3	<5	0.006	<0.005	-----
5	<5	0.005	<0.005	-----
3	<5	<0.005	<0.005	-----
7	<5	<0.005	<0.005	-----
7	7	<0.005	<0.005	-----
6	<5	0.005	<0.005	-----
7	<5	<0.005	<0.005	-----
6	<5	<0.005	<0.005	-----
5	6	<0.005	<0.005	-----
5	<5	<0.005	<0.005	-----
6	<5	<0.005	<0.005	-----
2	<5	<0.005	<0.005	-----
2	<5	<0.005	<0.005	-----
2	<5	<0.005	<0.005	-----
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2	<5	<0.005	<0.005	-----
2	<5	<0.005	<0.005	-----
5	7	<0.005	<0.005	-----
2	5	0.005	<0.005	-----
4	<5	<0.005	<0.005	-----
3	<5	<0.005	<0.005	-----
5	<5	<0.005	<0.005	-----
6	<5	<0.005	<0.005	-----
6	7	0.005	<0.005	-----
6	<5	0.006	<0.005	-----
6	<5	<0.005	<0.005	-----
5	<5	<0.005	<0.005	-----
5	6	<0.005	<0.005	-----
5	<5	<0.005	<0.005	-----
5	<5	<0.005	<0.005	-----
3	<5	0.006	<0.005	-----
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5	<5	<0.005	<0.005	-----
6	<5	<0.005	<0.005	-----
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5	<5	<0.005	<0.005	-----
6	6	<0.005	<0.005	-----
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4	<5	<0.005	<0.005	-----
4	<5	<0.005	<0.005	-----
5	<5	<0.005	<0.005	-----
6	<5	<0.005	<0.005	-----

7		<5	<0.005	<0.005	-----
5		<5	<0.005	<0.005	-----
5		<5	<0.005	<0.005	-----
6		<5	<0.005	<0.005	-----
5		11	<0.005	<0.005	-----
4		9	<0.005	<0.005	-----
5		<5	<0.005	<0.005	-----
6		<5	<0.005	<0.005	-----
5		9	<0.005	<0.005	-----
5		8	<0.005	<0.005	-----
4		5	0.008	<0.005	-----
1		5	0.011	<0.005	-----
4		<5	0.008	<0.005	-----
4		<5	<0.005	<0.005	-----
4		<5	0.005	<0.005	-----
4		5	0.008	<0.005	-----
2		<5	<0.005	<0.005	-----
5		<5	<0.005	<0.005	-----
4		<5	<0.005	<0.005	-----
4		<5	<0.005	<0.005	-----
3		<5	0.010	<0.005	-----
4		<5	<0.005	<0.005	-----
4		<5	<0.005	<0.005	-----
4		<5	0.005	<0.005	-----
2		<5	<0.005	<0.005	-----
4		<5	<0.005	<0.005	-----
4		<5	<0.005	<0.005	-----
4		8	<0.005	<0.005	-----
4		<5	0.010	<0.005	-----
4		<5	0.007	<0.005	-----
3		8	0.011	<0.005	-----
2		7	0.015	<0.005	-----
4		6	<0.005	<0.005	-----
4		<5	<0.005	<0.005	-----
3		<5	<0.005	<0.005	-----
4		<5	<0.005	<0.005	-----
2		<5	<0.005		-----
3		<5	<0.005	<0.005	-----
4		<5	<0.005	<0.005	-----
4		<5	0.006	<0.005	-----
4		11	<0.005	<0.005	-----
3	X	7	0.006	<0.005	-----
4		<5	<0.005	<0.005	-----
6		<5	<0.005	<0.005	-----
4		<5	<0.005	<0.005	-----
5		<5	<0.005	<0.005	-----
2		<5	<0.005	<0.005	-----

4	5	<0.005		<0.005		-----
4	<5	<0.005		<0.005		-----
5	<5	<0.005		<0.005		-----
5	5	T/X	S	T/X	S	-----
5	<5	<0.005		<0.005		-----
3	5	0.009		<0.005		-----
4	<5	<0.005		<0.005		-----
5	<5	<0.005		<0.005		-----
4	<5	<0.005		<0.005		-----
4	<5	<0.005		<0.005		-----
2	<5	<0.005				-----
4	<5	<0.005		<0.005		-----
4	<5	0.009		<0.005		-----
4	<5	<0.005		<0.005		-----
4	8	<0.005		<0.005		-----
3	7	<0.005		<0.005		-----
4	<5	<0.005		<0.005		-----
5	<5	<0.005		<0.005		-----
3	<5	<0.005		<0.005		-----
3	<5	<0.005		<0.005		-----
2	5	<0.005		<0.005		-----
3	5	<0.005		<0.005		-----
2	<5	<0.005		<0.005		-----
3	<5	<0.005		<0.005		-----
4	7	T/X	S	T/X	S	-----
6	<5	<0.005		<0.005		-----
5	<5	<0.005		<0.005		-----
7	<5	<0.005		<0.005		-----
5	<5	<0.005		<0.005		-----
6	<5	<0.005		<0.005		-----
4	7	<0.005		<0.005		-----
5	5	<0.005		<0.005		-----
5	<5	<0.005		<0.005		-----
8	<5	<0.005		<0.005		-----
6	8	T/X	S	T/X	S	-----
4	6	0.005		<0.005		-----
5	5	0.005		<0.005		-----
6	<5	<0.005		<0.005		-----
4	<5	<0.005		<0.005		-----
4	<5	<0.005		<0.005		-----
3	5	<0.005		<0.005		-----
4	<5	<0.005		<0.005		-----
4	<5	<0.005		<0.005		-----
6	<5	<0.005		<0.005		-----
5	9	T/X	S	T/X	S	-----
4	<5	0.010		<0.005		-----
1	5	0.019		<0.005		-----

4		<5	0.007	<0.005	-----
4		5	0.005	<0.005	-----
4		<5	<0.005	<0.005	-----
4		5	<0.005	<0.005	-----
2		<5	<0.005	<0.005	-----
4		<5	<0.005	<0.005	-----
4		<5	<0.005	<0.005	-----
4		6	<0.005	<0.005	-----
4		<5	0.005	<0.005	-----
4		<5	<0.005	<0.005	-----
3		<5	<0.005	<0.005	-----
1		6	0.008	<0.005	-----
3		<5	<0.005	<0.005	-----
4		<5	<0.005	<0.005	-----
3		23	<0.005	<0.005	-----
3		<5	<0.005	<0.005	-----
1		<5	<0.005		-----
3		<5	<0.005	<0.005	-----
4		<5	<0.005	<0.005	-----
3		5	0.009	<0.005	-----
4		7	<0.005	<0.005	-----
3		8	0.006	<0.005	-----
5		5	0.006	<0.005	-----
5		5	<0.005	<0.005	-----
3		<5	<0.005	<0.005	-----
3	X	<5	<0.005	<0.005	-----
2		5	<0.005	<0.005	-----
4		5	<0.005	<0.005	-----
4		<5	<0.005	<0.005	-----
4		<5	<0.005	<0.005	-----
4		8	<0.005	<0.005	-----
6		6	0.007	<0.005	-----
3		<5	0.015	<0.005	-----
3	X	<5	<0.005	<0.005	-----
3		<5	<0.005	<0.005	-----
5		<5	<0.005	<0.005	-----
5		7	<0.005	<0.005	-----
7		<5	<0.005	<0.005	-----
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4		<5	<0.005	<0.005	-----
4		6	<0.005	<0.005	-----
4		<5	<0.005	<0.005	-----
4		5	<0.005	<0.005	-----
3		<5	0.013	<0.005	-----
4		<5	0.005	<0.005	-----
3		<5	<0.005	<0.005	-----
5		<5	<0.005	<0.005	-----

5		<5	<0.005		<0.005		-----
5		<5	<0.005		<0.005		-----
6		<5	<0.005		<0.005		-----
4		<5	<0.005		<0.005		-----
4		5	<0.005		<0.005		-----
2		<5	0.006		<0.005		-----
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7		<5	<0.005		<0.005		-----
6		<5	<0.005		<0.005		-----
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5		<5	<0.005		<0.005		-----
6		<5	<0.005		<0.005		-----
5		6	<0.005		<0.005		-----
5		<5	T/X	D	T/X	D	-----
3		<5	<0.005		<0.005		-----
4		8	<0.005		<0.005		-----
4		5	0.006		<0.005		-----
5		<5	<0.005		<0.005		-----
4		<5	<0.005		<0.005		-----
5		<5	<0.005		<0.005		-----
3		<5	<0.005		<0.005		-----
4		<5	<0.005		<0.005		-----
4		<5	<0.005		<0.005		-----
4		<5	<0.005		<0.005		-----
4		7	<0.005		<0.005		-----
4		5	<0.005		<0.005		-----
2		<5	<0.005		<0.005		-----
4		<5	0.006		<0.005		-----
5		<5	<0.005		<0.005		-----
6		<5	<0.005		<0.005		-----
6		<5	<0.005		<0.005		-----
5		<5	<0.005		<0.005		-----
5		<5	<0.005		<0.005		-----
5		<5	<0.005		<0.005		-----
5		9	<0.005		<0.005		-----
4		<5	<0.005		<0.005		-----
4		5	<0.005		<0.005		-----
4		5	0.006		<0.005		-----
4		<5	<0.005		<0.005		-----
2	X	<5	0.011		<0.005		-----
2		<5	0.006		<0.005		-----
2		<5	0.006		<0.005		-----
3		9	0.008		<0.005		-----
2		8	0.007		<0.005		-----
3		<5	0.005		<0.005		-----
5		<5	<0.005		<0.005		-----

4	5	0.005	<0.005	-----
4	<5	<0.005	<0.005	-----
4	5	<0.005	<0.005	-----
5	<5	<0.005	<0.005	-----
5	<5	<0.005	<0.005	-----
5	<5	<0.005	<0.005	-----
4	<5	0.007	<0.005	-----
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4	<5	<0.005	<0.005	-----
5	<5	<0.005	<0.005	-----
5	6	<0.005	<0.005	-----
4	<5	<0.005	<0.005	-----
5	<5	<0.005	<0.005	-----
5	<5	<0.005	<0.005	-----
5	<5	<0.005	<0.005	-----
2	<5	<0.005	<0.005	-----
2	<5	<0.005		-----
3	<5	<0.005	<0.005	-----
4	<5	<0.005	<0.005	-----
5	<5	<0.005	<0.005	-----
4	<5	<0.005	<0.005	-----
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4	<5	0.005	<0.005	-----
4	6	<0.005	<0.005	-----
4	7	<0.005	<0.005	-----
4	<5	<0.005	<0.005	-----
4	6	<0.005	<0.005	-----
4	<5	<0.005	<0.005	-----
4	5	<0.005	<0.005	-----
4	8	<0.005	<0.005	-----
5	6	<0.005	<0.005	-----
4	<5	0.005	<0.005	-----
3	5	<0.005	<0.005	-----
1	6	0.013	<0.005	-----
4	<5	0.006	<0.005	-----
3	<5	<0.005	<0.005	-----
4	<5	0.007	<0.005	-----
6	6	<0.005	<0.005	-----
2	<5	<0.005	<0.005	-----
5	5	<0.005	<0.005	-----
4	<5	<0.005	<0.005	-----

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6	<5	<0.005	<0.005	-----
4	<5	<0.005	<0.005	-----
2	<5	0.008	<0.005	<5
4	5	<0.005	<0.005	<5
4	<5	<0.005	<0.005	<5
4	<5	<0.005	<0.005	<5
4	<5	<0.005	<0.005	<5.0
2	<5	<0.005		<5.0
3	<5	<0.005	<0.005	<5.0
4	5	<0.005	<0.005	<5.0
3	7	<0.005	<0.005	<5.0
1	5	0.005	0.005	5
1	5	0.005	0.005	5

Fats, Oils, Greases Qual Code	Fecal coliform cts/100mL	Fecal coliform Qual Code	Chlorophyll-A ug/L	Chlorophyll-A Qual Code	Chloride mg/L	Chloride Qual Code	Flouride mg/L	Flouride Qual Code
	810		1.1		**227**	X	0.4	
	340		1.6		471		0.4	
	440		2.4		**191**	X	0.3	
	200		3.2		**135**	X	0.3	
	540		1.5		34		0.1	
	70		<1.0		18		0.1	
	250		<1.0		22		0.1	
	1200		1.4		31		0.2	
	240		T/X	A	17		0.1	
	60		<1.0		**44**	X	0.2	
	5200		<1.0		140		0.3	
	360		2.1		282		0.6	
	90		<1.0		609		0.4	
	110		3.6		271		0.3	
	40		3.8		203		0.4	
	5900		3.4		145		0.3	
	1100		1.4		60		0.3	
	110		T/X	A	63		0.2	
	50		<1.0		100		0.4	
	120		<1.0		212		0.4	
	790		7.3		231		0.3	
	550		14.3		478		0.4	
	560		11.5		418		0.3	
	540		6.2		184		0.2	
	950		3.2		184		0.3	
	4000		5.5		174		0.3	
	1500		3.5		189		0.4	
	1000		3.0		152		0.4	
	2000		2.4		88		0.2	
	1000		4.1		128		0.2	
	1100		T/X	A	178		0.2	
	2000		10.8		397		0.2	
	700		**13.2**	A	483		0.1	
	280		14.4		458		0.2	
	460		23.4		228		0.2	
	12000		4.5		260		0.2	
	2200		2.1		345		0.3	
	5400		1.9		141		0.3	
	28000		1.7		95		0.2	
	600		5.7		111		0.2	
	170		8.0		146		0.2	
	830		T/X	A	180		0.2	
	6500		9.2		213		0.3	

7100	**6.4**	A	679		0.2	
2000	13.7		**338**	X	0.3	
240	7.5		179		0.3	
140	5.8		165		0.3	
230	43.4		159		0.5	
550	11		132		0.6	
290	8.1		128		0.4	
230	6.6		85		0.3	
1400	6.3		107		0.3	
800	T/X	A	194		0.3	
<10	18.2		212		0.2	
20	23.0		345		0.2	
160	1.0		24		0.1	
20	1.4		18		0.1	
110	<1.0		16		0.1	
9	1.7		15		0.1	
210	<1.0		15		0.1	
50	1.9		26		0.1	
20	1.7		49		0.1	
<10	3.2		**69**	X	**0.1**	X
2600	7.1		301		0.3	
15000	**6.3**	A	675		0.2	
980	5.3		364		0.4	
1300	18.6		372		0.5	
<10	9.9		182		0.2	
50	5.3		**172**	X	0.3	
200	4.3		183		0.5	
250	3.8		168		0.5	
1300	8.5		141		0.4	
270	6.3		81		0.2	
1100	10.5		124		0.2	
370	T/X	A	192		0.2	
840	4.1		193		0.3	
4900	**6.1**	A	721		0.2	
91	9.8		**230**	X	0.5	
40	11.0		154		0.2	
140	6.9		120		0.2	
790	13.5		105		0.3	
450	11.7		183		0.4	
1300	1.8		161		0.3	
280	2.2		62		0.2	
80	3.6		83		0.2	
130	T/X	A	**141**	X	**0.2**	X
520	4.7		171		0.3	
210	10.7		280		0.3	
190	6.7		161		0.2	
310	6.9		130		0.2	

440	10.9		**118**	X	0.2	
280	17.6		182		0.4	
590	3.5		151		0.3	
810	1.6		71		0.2	
310	3.6		93		0.2	
410	T/X	A	156		0.2	
120	3.2		**145**	X	0.3	
490	2.0		70		0.2	
210	2.8		98		0.2	
520	T/X	A	149		0.2	
12000	1.6		624		0.6	
4600	<1.0		830		0.4	
110	1.3		222		0.5	
240	1.7		177		0.4	
130	1.1		164		0.4	
140	1.8		133		0.4	
310	1.2		88		0.4	
320	1		81		0.4	
640	<1.0		96		0.5	
99	<1.0		127		0.5	
200	<1.0		592		0.5	
9900	<1.0		146		0.6	
230	8.6		180		0.3	
320	2.3		**144**	X	0.4	
430	1.3		108		0.4	
560	<1.0		**92**	X	0.4	
260	<1.0		102		0.5	
230	1.5		115		0.4	
320	<1.0		**599**	X	**0.4**	X
5600	<1.0		161		0.5	
2300	1.3		660		0.6	
35000	<1.0		**1056**	X	0.5	
4200	2.0		294		0.4	
5500	3.4		317		0.4	
2700	2.8		157		0.5	
2600	<1.0		123		0.3	
1800	2.2		85		0.3	
4200	2		62		0.3	
4700	T/X	A	74		0.3	
6700	1.2		103		0.5	
580	<1.0		168		0.5	
1100	2.8		444		0.3	
80	10.1		251		0.5	
170	4.0		157		0.4	
21000	6.2		95		0.3	
20	1.6		110		0.4	
<10	80.2		80		0.3	

9	40.2		91		0.4		
950	7.1		74		0.3		
6000	2.7		**64**	X	0.3		
300	T/X	A	156		0.4		
120	2.2		248		0.6		
1400	1.2		487		0.6		
530	3.6		279		0.4		
720	8.2		230		0.5		
350	2.2		149		0.4		
720	1.0		146		0.4		
610	5.8		87		0.3		
2000	4.7		80		0.3		
680	T/X	A	82		0.3		
570	2.2		124		0.5		
210	1.1		167		0.5		
<10	2.7		200		0.3		
<10	16.5		163		0.5		
20	21.3		156		0.5		
150	14.8		120		0.4		
<10	6.0		85		0.3		
<10	25.6		53		0.3		
80	17.8		49		0.3		
40	6.6		47		0.2		
230	1.3		78		0.4		
99	T/X	A	101		0.4		
23000	5.3		219		0.2		
3200	17.3		263		0.4		
140	10.8		**148**	X	0.4		
22000	6.8		66		0.2		
4500	4.8		88		0.3		
480	11.9		156		0.7		
1400	17.3		154		0.7		
1700	3.4		**81**	X	**0.4**	X	
10000	3.5		35		0.3		
510	T/X	A	**133**	X	**0.7**	X	
47000	2.1		**299**	X	0.3		
2200	11.4		229		0.5		
160	7.7		182		0.5		
5000	6.1		104		0.3		
580	1.7		104		0.2		
40	42.7		94		0.4		
9	33		79		0.4		
630	4.4		86		0.4		
4800	2.7		52		0.3		
140	T/X	A	146		**0.6**	X	
4600	1.2		T/X	ABO	0.6		
8700	1.0		1200		0.2		

820	4.6		279		0.3	
960	2.2		252		0.6	
490	9.8		190		0.4	
210	1.6		190		0.5	
410	<1.0		111		0.5	
580	<1.0		93		0.4	
270	<1.0		121		0.6	
120	1.8		118		0.4	
250	<1.0		305		0.4	
3500	1.5		**160**	X	**0.5**	X
40	3.1		332		0.5	
110	2.0		702		0.3	
60	3.6		266		0.2	
<10	9.2		222		0.5	
220	6.4		147		0.4	
80	1.0		89		0.2	
390	3.2		74		0.2	
360	2		56		0.3	
120	T/X	A	61		0.2	
140	2.5		92		0.3	
70	<1.0		**196**	X	**0.4**	X
4200	<1.0		356		0.4	
210	7.9		228		0.6	
20	7.7		**200**	X	0.5	
160	7.2		126		0.4	
70	3.9		99		0.3	
250	27.3		87		0.4	
60	29.5		81		0.4	
70	3.6		**69**	X	0.3	
60	1.0		83		0.4	
40	T/X	A	133		0.5	
1100	6.4		350		0.2	
1000	**9.8**	A	982		0.1	
100	20.0		705		0.2	
140	6.8		**343**	X	0.2	
980	9.9		313		0.2	
40	6.0		310		0.2	
530	10.1		291		0.3	
13000	5.3		118		0.2	
560	3.2		100		0.2	
350	4.0		188		0.2	
90	T/X	A	**231**	X	**0.2**	X
840	2.4		220		0.4	
31000	**7.6**	A	859		0.2	
320	2.5		299		0.8	
210	<1.0		**167**	X	0.3	
<10	1.6		177		0.5	

<10	2.2		176		0.6	
<10	2.3		181		0.6	
2000	4.0		**142**	X	0.5	
30	<1.0		**116**	X	0.3	
590	3.6		228		0.5	
20000	**5.8**	A	855		0.3	
370	7.6		338		1.0	
140	10.0		**205**	X	0.2	
300	7.4		182		0.2	
80	20.3		239		0.2	
20	29.4		264		0.2	
600	4.1		223		0.2	
650	3.2		98		0.2	
280	6.1		152		0.2	
410	T/X	A	207		0.2	
1200	2.2		**147**	X	0.6	
14000	2.7		162		0.4	
1400	7.0		**148**	X	0.6	
200	12.5		**164**	X	0.6	
210	10.0		**91**	X	**0.5**	X
230	1.3		113		0.5	
140	21.2		88		0.5	
50	7.1		84		0.5	
120	2.9		72		0.4	
700	2.4		82		0.5	
1300	T/X	A	97		0.5	
170	7.9		**175**	X	0.2	
440	**8.0**	A	482		0.4	
140	15.6		307		0.5	
120	8.6		165		0.2	
140	6.4		132		0.2	
60	8.2		122		0.2	
<10	10.1		170		0.3	
160	6.0		135		0.3	
300	2.4		72		0.2	
140	5.6		**96**	X	0.2	
150	T/X	A	168		0.2	
860	1.4		170		0.4	
100	2.4		**188**	X	0.5	
50	1.8		292		0.6	
370	1.8		762		0.6	
280	**2.5**	A	494		0.5	
2800	18.3		442		0.4	
730	2.1		**563**	X	0.5	
240	2.2		615		0.4	
730	3.6		342		0.6	
550	4.2		283		0.4	

60	3.4		250		0.5	
1100	5.3		257		0.6	
500	2.7		236		0.5	
320	5.3		229		0.5	
40	2.7		215		0.4	
720	6.8		225		0.5	
290	4.0		166		0.4	
130	3.9		156		0.4	
200	3.1		144		0.4	
14000	4.8		99		0.3	
380	2.9		141		0.4	
40	2.7		144		0.4	
250	1.0		151		0.4	
460	1.5		118		0.4	
170	3.9		89		0.3	
40	4.9		119		0.4	
40	7.9		112		0.4	
50	2.3		97		0.3	
<10	10.7		105		0.4	
30	48.2		97		0.4	
124000	29.9		96		0.4	
340	4.5		89		0.4	
140	6.8		99		0.4	
210	5.5		109		0.4	
170	5.8		104		0.5	
160	T/X	A	96		0.4	
250	3.4		97		0.4	
1200	2.1		**60**	X	**0.3**	X
670	1.1		93		0.4	
220	1.3		104		0.4	
50	1.5		120		0.5	
11000	2.0		**76**	X	**0.3**	X
260	1.3		105		0.4	
91	1.3		132		0.5	
80	1.0		186		0.5	
150	T/X	A	217		0.5	
70	T/X	A	152		0.5	
50	1.9		158		0.5	
410	4.7		480		0.3	
350	1.8		846		0.2	
2900	15.8		315		T/X	ABN
640	9.6		294		0.2	
220	22.2		179		0.2	
290	4.5		175		0.2	
490	3.8		239		0.4	
250	2.6		158		0.4	
420	<1.0		184		0.4	

250	3.0	89	0.2	
300	2.1	348	0.3	
40	3.8	195	0.3	
40	1.6	653	0.3	
<10	20.2	289	0.3	
<10	6.7	242	0.5	
330	41.4	152	0.3	
90	15.7	110	0.3	
440	33.5	83	0.3	
330	22.7	78	0.3	
520	7.0	104	0.4	
160	1.6	257	**0.4**	X
10	1.0	1	0.1	
10	1.0	1	0.1	

Sulfate	Sulfate	Alkalinity	Alkalinity	RADIOCHEM	RADIOCHEM	As sol	As sol	Ba tot
mg/L	Qual Code	mg/L	Qual Code	alpha	beta	mg/L	Qual Code	mg/L
42		153				<0.002		0.025
53		160				<0.002		0.036
37		140				<0.002		0.026
39		135				<0.002		0.024
25		114				<0.002		0.022
25		108				<0.002		0.021
24		112				<0.002		0.021
27		109				0.001		0.023
25		109				<0.002		0.019
31	X	126				<0.002		0.024
37		140				<0.002		0.026
57		176				<0.002		0.029
54		168				<0.002		0.035
40		154				<0.002		0.027
46		139				<0.002		0.028
41		156				0.001		0.031
34		115				0.001		0.022
28		123				0.001		0.023
44		165				0.001		0.026
46		163				<0.002		0.026
73		221				<0.002		0.035
99		214				<0.002		0.042
78		197				T/X	ABP	0.039
53		175				<0.002		0.036
59		204				0.002		0.037
69		175				0.002		0.034
84		163				0.002		0.033
64		136				0.002		0.028
40		159				0.001		0.029
58		210				<0.002		0.030
57		198				T/X	ABR	0.029
63		192				<0.002		0.045
31		134				<0.002		0.043
88		263				T/X	ABP	0.056
61		253				<0.002		0.045
52		261				0.001		0.049
32		240				0.002		0.047
25		184				0.002		0.039
22		120				0.001		0.027
48		211				0.001		0.039
67		277				<0.002		0.042
55		239				T/X	ABR	0.036
64		209				<0.002		0.039

44		115	<0.002		0.055
67		181	T/X	ABP	0.044
55		208	<0.002		0.040
54		210	0.002		0.032
58		147	0.002		0.036
61		105	0.001		0.035
50		105	0.001		0.029
41		197	0.001		0.034
53		229	<0.002		0.035
53		205	T/X	ABR	0.037
67		167	<0.002		0.029
81		153	<0.002		0.032
24		114	<0.002		0.021
25		110	<0.002		0.021
23		108	<0.002		0.021
24		109	<0.002		0.022
25		111	<0.002		0.020
24		126	<0.002		0.025
36		142	<0.002		0.022
47	X	139	<0.002		0.023
62		183	<0.002		0.030
82		228	<0.002		0.045
71		162	<0.002		0.031
68		166	T/X	ABP	0.034
41		154	<0.002		0.030
52		179	0.001		0.028
69		145	0.001		0.022
74		143	0.001		0.018
52		122	0.001		0.016
33		147	0.001		0.026
47		179	<0.002		0.026
59		199	T/X	ABR	0.030
56		239	0.002		0.035
59		178	0.002		0.050
51		221	T/X	ABP	0.037
38		199	0.001		0.032
36		221	0.002		0.032
30		208	0.003		0.030
67		211	0.003		0.044
54		174	0.002		0.041
25		185	0.002		0.026
33		208	0.001		0.027
45	X	225	T/X	ABR	0.033
59		246	0.001		0.034
61		214	T/X	ABP	0.036
41		191	<0.002		0.030
39		213	0.002		0.033

36		196	0.003		0.030
71		203	0.003		0.040
57		159	0.002		0.034
30		182	0.001		0.028
37		205	0.001		0.027
48		215	T/X	ABR	0.031
52		150	0.002		0.032
29		183	0.001		0.027
41		204	0.001		0.028
50		200	T/X	ABR	0.030
57		166	<0.002		0.032
51		149	<0.002		0.038
49		148	<0.002		0.027
43		124	<0.002		0.024
48		185	<0.002		0.028
46		159	<0.002		0.026
37		124	<0.002		0.022
37		126	<0.002		0.021
43		133	<0.002		0.021
49		179	<0.002		0.027
51		165	<0.002		0.029
57		175	<0.002		0.023
47		193	<0.002		0.030
45		165	0.001		0.027
45		131	0.001		0.025
38		126	<0.002		0.022
43		133	<0.002		0.024
45		196	<0.002		0.028
49	X	178	<0.002		0.032
57		193	<0.002		0.026
87		174	<0.002		0.021
72		182	<0.002		0.033
65		174	<0.002		0.027
64		135	<0.002		0.021
57		163	0.001		0.024
45		143	0.001		0.021
40		115	0.002		0.017
37		112	0.001		0.019
39		113	0.001		0.017
61		148	<0.002		0.020
80		168	0.001		0.022
98		190	0.002		0.035
131		194	0.002		0.030
86		183	0.002		0.029
52		138	0.001		0.029
71		167	0.002		0.026
70		139	0.003		0.025

80		143	0.002	0.020
66		122	0.002	0.021
60	X	108	0.002	0.023
93		157	0.002	0.024
117		195	0.001	0.023
85		198	0.001	0.029
71		169	0.001	0.026
97		184	0.002	0.026
67		166	0.001	0.026
70		161	0.001	0.022
49		123	0.002	0.020
63		116	0.002	0.020
51		112	0.002	0.017
82		165	0.001	0.026
86		177	0.001	0.023
83		176	0.001	0.030
107		177	0.001	0.029
99		174	0.001	0.030
71		147	0.001	0.028
53		132	0.002	0.027
54		122	0.002	0.025
53		120	0.003	0.026
46		114	0.002	0.024
72		129	0.001	0.026
81		148	0.001	0.026
56		129	<0.002	0.041
203		231	0.002	0.073
122	X	211	0.002	0.040
70		118	0.001	0.042
110		163	0.002	0.034
344		228	0.003	0.049
381		193	0.002	0.041
131	X	111	0.002	0.023
38		105	0.001	0.028
167	X	219	0.001	0.034
60		143	0.002	0.032
136		203	0.002	0.044
104		205	0.002	0.030
69		150	0.002	0.028
43		162	0.002	0.026
81		147	0.003	0.023
83		138	0.003	0.022
133		121	0.002	0.021
49		111	0.001	0.026
107		188	0.002	0.025
60		192	<0.002	0.033
48		138	<0.002	0.040

37		120	<0.002		0.027
59		188	<0.002		0.037
50		196	<0.002		0.030
53		185	0.001		0.030
41		133	0.001		0.025
39		127	0.001		0.021
48		141	<0.002		0.023
46		200	0.001		0.031
50		172	<0.002		0.026
57	X	196	<0.002		0.028
54		178	<0.002		0.028
54		176	<0.002		0.039
34		138	<0.002		0.024
55		169	<0.002		0.031
44		166	0.001		0.029
33		138	0.001		0.024
31		131	0.001		0.030
33		129	0.001		0.023
26		119	0.001		0.022
41		168	<0.002		0.025
49	X	175	<0.002		0.025
74		189	0.002		0.029
118		197	0.002		0.026
94	X	203	0.002		0.028
61		148	0.002		0.023
59		144	0.002		0.026
61		140	0.003		0.022
69		136	0.002		0.022
55	X	120	0.003		0.018
67		165	0.002		0.020
85		173	0.002		0.023
24		86	<0.002		0.047
53		124	<0.002		0.074
46		154	T/X	ABP	0.065
48		177	<0.002		0.053
43		191	0.001		0.085
28		152	0.002		0.051
38		150	0.002		0.051
22		87	0.001		0.034
25		144	0.001		0.037
51		202	<0.002		0.043
39	X	150	T/X	ABR	0.037
74		228	<0.002		0.033
56		125	<0.002		0.058
87		222	T/X	ABP	0.036
57		217	<0.002		0.032
77		251	<0.002		0.032

87		207	<0.002		0.022
99		199	<0.002		0.025
71		165	<0.002		0.022
61		250	<0.002		0.030
88		262	<0.002		0.037
67		149	<0.002		0.050
91		220	T/X	ABP	0.038
55		183	<0.002		0.039
43		205	0.001		0.036
46		193	0.002		0.043
58		158	0.002		0.039
50		138	0.002		0.034
38		184	0.001		0.030
57		241	<0.002		0.034
59		224	T/X	ABR	0.033
109		174	0.002		0.023
79		187	0.001		0.024
126	X	183	0.002		0.027
109	X	202	0.001		0.030
78	X	141	0.001		0.026
80		168	0.002		0.030
95		145	0.003		0.031
111		140	0.002		0.026
103		120	0.002		0.022
80		162	0.001		0.023
104		166	0.002		0.027
58		240	0.001		0.032
76		221	0.002		0.044
59		194	T/X	ABP	0.037
41		184	0.001		0.033
41		209	0.002		0.034
38		185	0.003		0.030
72		200	0.003		0.038
53		156	0.002		0.033
29		178	0.002		0.027
40	X	198	<0.002		0.027
54		232	T/X	ABR	0.031
78		192	0.001		0.023
106		197	0.001		0.024
116		197	0.001		0.024
127		189	0.002		**0.027**
95		176	0.001		0.027
83		189	0.001		0.036
96		197	0.002		0.033
112		197	0.002		0.032
114		198	0.001		0.028
102		161	<0.002		0.024

97		188	0.001		0.025
113		188	T/X	ABP	0.025
103		194	0.001		0.023
93		174	0.002		0.022
73		167	0.001		0.022
90		194	0.001		0.028
69		182	0.001		0.031
72		181	0.001		0.027
61		165	0.002		0.025
44		128	0.001		0.023
61		184	0.002		0.026
71		168	0.002		0.024
78		168	0.002		0.023
58		160	0.002		0.022
49		135	T/X	ABP	0.020
65		153	0.002		0.022
71		143	0.002		0.020
53		128	0.002		0.020
66		141	0.002		0.021
65		132	0.002		0.019
75		139	0.002		0.021
74		123	0.002		0.019
65		127	0.002		0.018
75		123	0.002		0.020
71		131	0.001		0.018
68		123	0.002		0.016
62		129	0.002		0.020
36	X	112	0.002		0.021
57		158	0.001		0.022
63		154	0.002		0.023
83		172	0.002		0.022
60	X	115	0.001		0.020
63		170	0.002		0.022
82		177	0.002		0.023
95		184	0.002		0.024
94		162	0.001		0.022
84		180	T/X	ABR	0.022
96		196	0.002		0.026
63		256	<0.002		0.042
49		180	<0.002		0.045
35		129	<0.002		0.030
46		160	0.001		0.037
38		189	0.001		0.032
38		208	0.002		0.034
52		188	0.003		0.038
51		150	0.002		0.031
50		167	0.002		0.036

36		213	0.001	0.031
49		242	<0.002	0.039
57		269	<0.002	0.036
53		191	<0.002	0.037
39		141	<0.002	0.029
53		165	<0.002	0.030
41		185	<0.002	0.029
36		148	<0.002	0.026
31		120	0.001	0.027
33		118	0.001	0.027
40		179	<0.002	0.026
50	X	185	0.001	0.028
1		10	0.001	0.001
1		10	0.001	0.001

Ba tot	Cd sol	Cd sol	Cr sol	Cr sol	Cr6	Cr6	Cu sol	Cu sol	Fe sol
Qual Code	mg/L	Qual Code	mg/L	Qual Code	ug/L	Qual Code	mg/L	Qual Code	mg/L
	<0.002		<0.004		<3		0.003		0.02
	<0.002		<0.004		<3		0.004		0.04
	<0.002		0.002		<3		0.004		T/X
	<0.002		<0.004		<3		T/X	S	0.01
	<0.002		0.003		<3		0.003		0.03
	<0.002		<0.004		<3		0.006		0.01
	<0.002		<0.004		<3		0.004		0.01
	<0.002		<0.004		<3		0.003		0.02
	<0.002		<0.004		<3		0.004		<0.02
	<0.002		<0.004		<3		0.006		0.02
	<0.002		<0.004		<3		0.005		0.03
	<0.002		<0.004		<3		0.003		0.03
	<0.002		<0.004		<3		0.003		0.04
	<0.002		<0.004		<3		0.003		0.04
	<0.002		<0.004		<3		T/X	S	0.02
	<0.002		<0.004		<3		0.002		0.04
	<0.002		<0.004		<3		0.002		0.02
	<0.002		<0.004		<3		0.002		0.07
	<0.002		<0.004		<3		0.003		0.03
	<0.002		<0.004		<3		0.002		0.05
	<0.002		<0.004		<3		0.002		0.05
	<0.002		<0.004		<3		0.003		0.04
	T/X	ABP	T/X	ABP	<3		T/X	ABP	0.02
	<0.002		<0.004		<3		0.002		0.04
	<0.002		<0.004		<3		0.003		0.06
	<0.002		<0.004		<3		0.002		0.05
	<0.002		<0.004		<3		0.004		0.04
	<0.002		<0.004		<3		0.003		0.04
	<0.002		<0.004		<3		0.002		0.10
	<0.002		<0.004		<3		0.002		0.08
	T/X	ABR	T/X	ABR	<3		0.002		0.11
	<0.002		<0.004		<3		0.002		0.13
	<0.002		<0.004		<3		0.002		0.15
	T/X	ABP	T/X	ABP	<3		T/X	ABP	0.17
	<0.002		<0.004		<3		0.002		0.14
	<0.002		<0.004		<3		0.002		0.44
	<0.002		<0.004		<3		0.001		0.35
	<0.002		<0.004		<3		0.001		0.32
	<0.002		<0.004		<3		0.002		0.21
	<0.002		<0.004		<3		0.002		0.33
	<0.002		<0.004		<3		<0.002		0.38
	T/X	ABR	T/X	ABR	<3		0.001		0.38
	<0.002		<0.004		<3		0.003		0.05

<0.002		<0.004		<3	0.002	0.07
T/X	ABP	T/X	ABP	<3	T/X ABP	0.02
<0.002		<0.004		<3	0.003	0.03
<0.002		<0.004		<3	0.003	0.08
<0.002		<0.004		<3	0.004	0.27
<0.002		<0.004		<3	0.004	0.05
<0.002		<0.004		<3	0.003	0.05
<0.002		<0.004		<3	0.003	0.10
<0.002		<0.004		<3	T/X ABQ	0.07
T/X	ABR	T/X	ABR	<3	0.002	0.13
<0.002		<0.004		<3	0.002	0.05
<0.002		<0.004		<3	0.002	<0.02
<0.002		<0.004		<3	<0.002	<0.02
<0.002		<0.004		<3	<0.002	T/X
<0.002		<0.004		<3	<0.002	0.02
<0.002		<0.004		<3	<0.002	0.02
<0.002		<0.004		<3	<0.002	0.01
<0.002		<0.004		<3	<0.002	0.05
<0.002		<0.004		<3	<0.002	0.09
<0.002		<0.004		<3	0.001	T/X
<0.002		<0.004		<3	0.003	0.07
<0.002		<0.004		<3	0.002	0.05
<0.002		<0.004		<3	0.004	0.07
T/X	ABP	T/X	ABP	<3	T/X ABP	0.03
<0.002		<0.004		<3	0.002	0.05
<0.002		<0.004		<3	0.003	0.05
<0.002		<0.004		<3	0.006	T/X
<0.002		<0.004		<3	0.004	0.07
<0.002		<0.004		<3	0.003	0.05
<0.002		<0.004		<3	0.002	0.12
<0.002		<0.004		<3	0.003	0.10
T/X	ABR	T/X	ABR	<3	0.003	0.27
<0.002		<0.004		<3	0.002	0.04
<0.002		<0.004		<3	0.002	0.04
T/X	ABP	T/X	ABP	<3	T/X ABP	0.01
<0.002		<0.004		<3	0.002	0.02
<0.002		<0.004		<3	0.002	0.07
<0.002		<0.004		<3	0.002	0.07
<0.002		<0.004		<3	0.002	0.04
<0.002		<0.004		<3	0.002	0.04
<0.002		<0.004		<3	0.002	0.13
<0.002		<0.004		<3	<0.002	0.13
T/X	ABR	T/X	ABR	<3	0.001	T/X
<0.002		<0.004		<3	0.002	0.04
T/X	ABP	T/X	ABP	<3	T/X ABP	0.01
<0.002		<0.004		<3	0.003	0.03
<0.002		<0.004		<3	0.003	0.06

<0.002		<0.004		<3	0.004		0.45
<0.002		<0.004		<3	0.003		0.02
<0.002		<0.004		<3	0.002		0.03
<0.002		<0.004		<3	0.002		0.11
<0.002		<0.004		<3	0.001		0.11
T/X	ABR	T/X	ABR	<3	0.002		T/X
<0.002		<0.004		<3	0.002		0.03
<0.002		<0.004		<3	0.002		0.11
<0.002		<0.004		<3	0.001		0.10
T/X	ABR	T/X	ABR	<3	0.002		T/X
<0.002		<0.004		<3	0.004		0.04
<0.002		<0.004		<3	0.003		0.04
<0.002		<0.004		<3	0.003		0.04
<0.002		<0.004		<3	0.004		0.03
<0.002		<0.004		<3	0.002		T/X
<0.002		<0.004		<3	0.002		T/X
<0.002		<0.004		<3	0.002		0.03
<0.002		<0.004		<3	0.002		0.03
<0.002		<0.004		<3	0.003		0.02
<0.002		<0.004		<3	0.002		0.03
<0.002		<0.004		<3	0.002		0.05
<0.002		<0.004		<3	0.003		T/X
<0.002		<0.004		<3	0.002		T/X
<0.002		<0.004		<3	0.002		T/X
<0.002		<0.004		<3	0.002		0.03
<0.002		<0.004		<3	0.002		0.04
<0.002		<0.004		<3	0.002		0.03
<0.002		<0.004		<3	0.002		0.04
<0.002		<0.004		<3	0.002		0.07
<0.002		<0.004		<3	0.003		T/X
<0.002		<0.004		<3	0.001		0.04
<0.002		<0.004		<3	0.002		0.05
<0.002		<0.004		<3	0.002		0.04
<0.002		<0.004		<3	T/X	S	0.10
<0.002		<0.004		<3	<0.002		0.05
<0.002		<0.004		<3	0.003		0.04
<0.002		<0.004		<3	0.001		0.04
<0.002		<0.004		<3	0.002		0.02
<0.002		<0.004		<3	0.002		0.06
<0.002		<0.004		<3	0.002		0.04
<0.002		<0.004		<3	0.002		0.04
<0.002		<0.004		<3	0.002		0.11
<0.002		<0.004		<3	T/X	S	0.41
<0.002		<0.004		<3	0.006		0.03
<0.002		<0.004		<3	0.002		0.10
<0.002		<0.004		<3	0.001		0.05
<0.002		<0.004		<3	0.003		T/X

<0.002	<0.004	<3	<0.002		0.02
<0.002	<0.004	<3	0.002		0.04
<0.002	<0.004	<3	0.002		0.13
<0.002	<0.004	<3	0.002		0.11
<0.002	<0.004	<3	<0.002		0.03
<0.002	<0.004	<3	0.001		0.04
<0.002	<0.004	<3	0.002		0.06
<0.002	0.002	<3	T/X	S	0.61
<0.002	<0.004	<3	0.001		0.06
<0.002	<0.004	<3	0.001		0.04
<0.002	<0.004	<3	0.001		0.03
<0.002	<0.004	<3	0.001		0.02
<0.002	<0.004	<3	0.001		0.04
<0.002	<0.004	<3	0.002		0.04
<0.002	<0.004	<3	0.001		0.04
<0.002	<0.004	<3	0.002		0.02
<0.002	<0.004	<3	T/X	S	0.01
<0.002	<0.004	<3	0.003		<0.02
<0.002	<0.004	<3	0.001		0.01
<0.002	<0.004	<3	0.001		0.02
<0.002	<0.004	<3	0.002		0.15
<0.002	<0.004	<3	<0.002		0.02
<0.002	<0.004	<3	0.001		0.01
<0.002	<0.004	<3	0.002		0.02
<0.002	<0.004	<3	0.001		0.02
<0.002	<0.004	<3	0.002		0.12
<0.002	<0.004	<3	T/X	S	0.61
<0.002	<0.004	<3	0.003		0.69
<0.002	<0.004	<3	0.002		0.17
<0.002	<0.004	<3	0.002		0.13
<0.002	<0.004	<3	0.002		0.03
<0.002	<0.004	<3	0.001		0.02
<0.002	<0.004	<3	0.003		0.09
<0.002	<0.004	<3	0.003		0.32
<0.002	<0.004	<3	0.002		0.15
<0.002	<0.004	<3	0.002		0.10
<0.002	<0.004	<3	T/X	S	0.03
<0.002	<0.004	<3	0.007		0.02
<0.002	<0.004	<3	0.001		0.09
<0.002	<0.004	<3	<0.002		0.04
<0.002	<0.004	<3	0.002		0.18
<0.002	<0.004	<3	<0.002		0.01
<0.002	<0.004	<3	0.001		0.04
<0.002	<0.004	<3	0.003		0.24
<0.002	<0.004	<3	0.001		0.06
<0.002	<0.004	<3	0.004		0.06
<0.002	<0.004	<3	0.003		0.05

<0.002		<0.004		<3	0.003		0.06
<0.002		<0.004		<3	0.006		0.04
<0.002		<0.004		<3	0.003		T/X
<0.002		<0.004		<3	0.002		T/X
<0.002		<0.004		<3	0.002		0.03
<0.002		<0.004		<3	0.002		0.04
<0.002		<0.004		<3	0.002		0.04
<0.002		<0.004		<3	0.002		0.04
<0.002		<0.004		<3	0.002		0.07
<0.002		<0.004		<3	0.003		T/X
<0.002		<0.004		<3	0.003		0.03
<0.002		<0.004		<3	0.003		0.03
<0.002		<0.004		<3	0.003		0.06
<0.002		<0.004		<3	T/X	S	0.15
<0.002		<0.004		<3	0.002		0.07
<0.002		<0.004		<3	0.002		T/X
<0.002		<0.004		<3	0.002		0.04
<0.002		<0.004		<3	0.002		0.02
<0.002		<0.004		<3	0.002		0.08
<0.002		<0.004		<3	0.002		0.03
<0.002		<0.004		<3	0.002		0.06
<0.002		<0.004		<3	0.001		0.03
<0.002		<0.004		<3	T/X	S	0.03
<0.002		<0.004		<3	0.002		0.10
<0.002		<0.004		<3	0.001		0.02
<0.002		<0.004		<3	<0.002		0.02
<0.002		<0.004		<3	0.001		0.11
<0.002		<0.004		<3	<0.002		0.01
<0.002		<0.004		<3	0.001		0.02
<0.002		<0.004		<3	0.002		0.02
<0.002		<0.004		<3	0.001		0.03
<0.002		<0.004		<3	0.004		0.04
<0.002		<0.004		<3	0.003		0.05
T/X	ABP	T/X	ABP	<3	T/X	ABP	0.02
<0.002		<0.004		<3	0.002		0.03
<0.002		<0.004		<3	0.003		0.16
<0.002		<0.004		<3	0.002		0.14
<0.002		<0.004		<3	0.003		0.11
<0.002		<0.004		<3	0.002		0.08
<0.002		<0.004		<3	0.002		0.11
<0.002		<0.004		<3	0.001		0.07
T/X	ABR	T/X	ABR	<3	0.002		0.11
<0.002		<0.004		<3	0.002		0.05
<0.002		<0.004		<3	0.003		0.05
T/X	ABP	T/X	ABP	<3	T/X	ABP	**0.03**
<0.002		<0.004		<3	0.002		0.02
<0.002		<0.004		<3	0.002		0.04

	<0.002		<0.004		<3		0.002	0.04
	<0.002		<0.004		<3		0.002	0.06
	<0.002		<0.004		<3		0.002	0.04
	<0.002		<0.004		<3		0.002	0.05
	<0.002		<0.004		<3		0.001	0.04
	<0.002		<0.004		<3		0.002	0.05
	T/X	ABP	T/X	ABP	<3		T/X	ABP 0.03
	<0.002		<0.004		<3		0.002	0.08
	<0.002		<0.004		<3		0.002	0.16
	<0.002		<0.004		<3		0.001	0.12
	<0.002		<0.004		<3		0.002	0.09
	<0.002		<0.004		<3		0.002	0.11
	<0.002		<0.004		<3		0.002	0.17
	<0.002		<0.004		<3		0.001	0.12
	T/X	ABR	T/X	ABR	<3		0.003	0.16
	<0.002		<0.004		<3		0.002	0.03
	<0.002		<0.004		<3		0.001	0.03
	<0.002		<0.004		<3		T/X	S **0.24**
	<0.002		<0.004		<3		0.008	0.04
	<0.002		<0.004		<3		0.001	0.04
	<0.002		<0.004		<3		<0.002	0.05
	<0.002		<0.004		<3		0.002	0.03
	<0.002		<0.004		<3		<0.002	0.03
	<0.002		<0.004		<3		0.001	0.03
	<0.002		<0.004		<3		0.004	0.05
	<0.002		<0.004		<3		0.002	0.03
	<0.002		<0.004		<3		0.002	0.04
	<0.002		<0.004		<3		0.002	0.03
	T/X	ABP	T/X	ABP	<3		T/X	ABP <0.02
	<0.002		<0.004		<3		0.003	0.02
	<0.002		<0.004		<3		0.002	0.06
	<0.002		<0.004		<3		0.002	0.05
	<0.002		<0.004		<3		0.003	0.02
	<0.002		<0.004		<3		0.002	0.03
	<0.002		<0.004		<3		0.002	0.05
	<0.002		<0.004		<3		<0.002	<0.02
	T/X	ABR	T/X	ABR	<3		0.002	T/X
	<0.002		<0.004		<3		0.002	0.05
	<0.002		<0.004		<3		0.002	0.03
	<0.002		<0.004		<3		0.001	0.03
X	<0.002		<0.004		<3		0.002	0.04
	<0.002		<0.004		<3		0.002	0.03
	<0.002		<0.004		**<3**	X	0.002	0.05
	<0.002		<0.004		<3		0.002	0.04
	<0.002		<0.004		<3		0.002	0.04
	<0.002		<0.004		<3		0.002	0.03
	<0.002		<0.004		<3		0.002	0.05

<0.002		<0.004		<3		T/X	S
T/X	ABP	T/X	ABP	<3		T/X	ABP
<0.002		<0.004		<3		T/X	ABN
<0.002		<0.004		<3		T/X	S
<0.002		<0.004		<3		0.002	
<0.002		<0.004		<3		0.002	
<0.002		<0.004		<3		0.004	
<0.002		<0.004		<3		0.001	
<0.002		<0.004		<3		0.002	
<0.002		<0.004		<3		0.002	
<0.002		<0.004		<3		0.001	
<0.002		<0.004		<3		0.001	
<0.002		<0.004		<3		<0.002	
<0.002		<0.004		<3		0.001	
T/X	ABP	T/X	ABP	<3		T/X	ABP
<0.002		<0.004		<3		0.002	
<0.002		<0.004		<3		0.002	
<0.002		<0.004		<3		0.001	
<0.002		<0.004		<3		0.002	
<0.002		<0.004		<3		0.002	
<0.002		<0.004		<3		0.001	
<0.002		<0.004		<3		0.001	
<0.002		<0.004		<3		<0.002	
<0.002		<0.004		<3		0.001	
<0.002		<0.004		<3		0.001	
<0.002		<0.004		<3		0.001	
<0.002		<0.004		<3		0.002	
<0.002		<0.004		<3		0.002	
<0.002		<0.004		<3		0.002	
<0.002		<0.004		<3		0.001	
<0.002		<0.004		<3		0.002	
<0.002		<0.004		<3		0.003	
<0.002		<0.004		<3		0.001	
<0.002		<0.004		<3		<0.002	
<0.002		<0.004		<3		0.002	
<0.002		<0.004		<3		0.001	
T/X	ABR	T/X	ABR	<3		0.002	
<0.002		<0.004		<3		0.002	
<0.002		<0.004		<3		0.002	
<0.002		<0.004		<3		0.003	
<0.002		<0.004		<3		0.004	
<0.002		<0.004		<3		0.005	
<0.002		<0.004		<3		0.003	
<0.002		<0.004		<3		0.003	
<0.002		<0.004		<3		0.003	
<0.002		<0.004		<3		0.003	
<0.002		<0.004		<3		0.003	

<0.002	<0.004	<3	0.002		0.07
<0.002	<0.004	<3	0.003		0.13
<0.002	<0.004	<3	0.002		T/X
<0.002	<0.004	<3	0.003		0.04
<0.002	<0.004	<3	0.002		0.06
<0.002	<0.004	<3	T/X	S	0.03
<0.002	<0.004	<3	0.002		0.08
<0.002	<0.004	<3	<0.002		0.07
<0.002	<0.004	<3	0.001		0.05
<0.002	<0.004	<3	0.001		0.10
<0.002	<0.004	<3	0.001		0.05
<0.002	<0.004	<3	0.003		0.07
0.001	0.002	3	0.001		0.01
0.001	0.002	3	0.001		0.01

Fe sol	Pb sol	Pb sol	Mn sol	Mn sol	Hg tot	Hg tot	Ni sol	Ni sol	Se tot
Qual Code	mg/L	Qual Code	mg/L	Qual Code	ug/L	Qual Code	mg/L	Qual Code	mg/L
	<0.002		0.008		-----		0.002		<0.002
	<0.002		0.019		-----		0.002		<0.002
	<0.002		0.010		-----		0.002		0.001
	<0.002		0.008		-----		0.002		<0.004
	<0.002		0.004		-----		0.002		<0.004
	<0.002		0.001		-----		<0.002		<0.004
	<0.002		0.002		-----		<0.002		<0.004
	<0.002		0.003		-----		<0.002		<0.004
	<0.002		<0.002		-----		<0.002		<0.004
	<0.002		0.004		-----		<0.002		<0.004
	<0.002		0.007		-----		0.002		<0.004
	<0.002		0.015		-----		0.002		0.001
	<0.002		0.019		-----		0.002		<0.002
	<0.002		0.013		-----		0.002		0.002
	<0.002		0.015		-----		0.002		<0.004
	<0.002		0.017		-----		0.002		<0.004
	<0.002		0.004		-----		0.002		<0.004
	<0.002		0.009		-----		0.002		<0.004
	<0.002		0.011		-----		0.002		<0.004
	<0.002		0.011		-----		0.002		<0.004
	<0.002		0.025		-----		0.003		0.002
	<0.002		0.055		-----		0.004		<0.002
	T/X	ABP	T/X	ABP	-----		T/X	ABP	<0.004
	<0.002		0.015		-----		0.002		<0.004
	<0.002		0.029		-----		0.003		<0.004
	<0.002		0.028		-----		0.004		<0.004
	<0.002		0.014		-----		0.005		<0.004
	<0.002		0.017		-----		0.004		<0.004
	<0.002		0.010		-----		0.002		<0.004
	<0.002		0.019		-----		0.002		<0.004
	T/X	ABR	0.021		-----		0.002		<0.004
	<0.002		0.049		-----		0.001		<0.002
	<0.002		0.047		-----		0.001		<0.002
	T/X	ABP	T/X	ABP	-----		T/X	ABP	<0.004
	<0.002		0.055		-----		0.002		<0.004
	<0.002		0.060		-----		0.003		<0.004
	<0.002		0.084		-----		0.003		<0.004
	<0.002		0.060		-----		0.002		<0.004
	<0.002		0.039		-----		0.002		<0.004
	<0.002		0.047		-----		0.002		<0.004
	<0.002		0.069		-----		0.002		<0.004
	T/X	ABR	0.065		-----		0.002		<0.004
	<0.002		0.026		-----		0.002		0.002

	<0.002		0.056		-----	0.001	<0.002
	T/X	ABP	T/X	ABP	-----	T/X	ABP <0.004
	<0.002		0.032		-----	0.002	<0.004
	<0.002		0.031		-----	0.002	<0.004
	<0.002		0.039		-----	0.003	<0.004
	<0.002		0.028		-----	0.003	<0.004
	<0.002		0.022		-----	0.003	<0.004
	<0.002		0.028		-----	0.002	<0.004
	<0.002		0.022		-----	0.002	<0.004
	T/X	ABR	0.030		-----	0.001	<0.004
	<0.002		0.007		-----	0.001	0.002
	<0.002		0.005		-----	0.001	<0.004
	<0.002		0.003		-----	<0.002	<0.004
AAC	<0.002		0.004		-----	<0.002	<0.004
	<0.002		0.002		-----	<0.002	<0.004
	<0.002		0.002		-----	<0.002	<0.004
	<0.002		0.001		-----	<0.002	<0.004
	<0.002		0.007		-----	<0.002	<0.004
	<0.002		0.004		-----	<0.002	<0.004
AAC	<0.002		0.008		-----	<0.002	<0.004
	<0.002		0.019		-----	0.003	0.002
	<0.002		0.065		-----	0.004	<0.002
	<0.002		0.033		-----	0.004	0.001
	T/X	ABP	T/X	ABP	-----	T/X	ABP <0.004
	<0.002		0.009		-----	0.003	<0.004
	<0.002		0.013		-----	0.003	<0.004
ABN	<0.002		0.028		-----	0.003	<0.004
	<0.002		0.020		-----	0.006	<0.004
	<0.002		0.020		-----	0.003	<0.004
	<0.002		0.009		-----	0.003	<0.004
	<0.002		0.015		-----	0.002	<0.004
	T/X	ABR	0.027		-----	0.002	<0.004
	<0.002		0.019		-----	0.002	0.002
	<0.002		0.058		-----	0.002	<0.002
	T/X	ABP	T/X	ABP	-----	T/X	ABP <0.004
	<0.002		0.008		-----	0.001	<0.004
	<0.002		0.017		-----	0.002	<0.004
	<0.002		0.010		-----	0.003	<0.004
	<0.002		0.013		-----	0.005	<0.004
	<0.002		0.021		-----	0.003	<0.004
	<0.002		0.013		-----	0.001	<0.004
	<0.002		0.011		-----	0.001	<0.004
ABR	T/X	ABR	0.019		-----	<0.002	<0.004
	<0.002		0.018		-----	0.002	0.001
	T/X	ABP	T/X	ABP	-----	T/X	ABP <0.004
	<0.002		0.008		-----	0.002	<0.004
	<0.002		0.008		-----	0.002	<0.004

	0.00245		0.075	-----	0.003	<0.004
	<0.002		0.004	-----	0.004	<0.004
	<0.002		0.012	-----	0.004	<0.004
	0.001		0.008	-----	0.002	<0.004
	<0.002		0.011	-----	0.001	<0.004
ABR	T/X	ABR	0.018	-----	0.001	<0.004
	<0.002		0.012	-----	0.003	<0.004
	<0.002		0.011	-----	0.002	<0.004
	<0.002		0.014	-----	0.002	<0.004
ABR	T/X	ABR	0.020	-----	0.001	<0.004
	<0.002		0.015	-----	0.002	<0.002
	<0.002		0.015	-----	0.003	<0.002
	<0.002		0.005	-----	0.003	<0.002
	<0.002		0.005	-----	0.002	<0.004
A	<0.002		0.004	-----	0.002	0.001
AAC	<0.002		0.004	-----	0.002	<0.004
	<0.002		0.005	-----	0.002	<0.004
	<0.002		0.007	-----	0.002	<0.004
	<0.002		0.007	-----	0.001	<0.004
	<0.002		0.004	-----	0.002	<0.004
	<0.002		0.006	-----	0.002	<0.004
AAC	<0.002		0.007	-----	0.002	<0.004
A	<0.002		0.007	-----	0.002	0.001
AAC	<0.002		0.010	-----	0.002	<0.004
	<0.002		0.008	-----	0.002	<0.004
	<0.002		0.011	-----	0.002	<0.004
	<0.002		0.005	-----	0.002	<0.004
	<0.002		0.008	-----	0.002	<0.004
	<0.002		0.017	-----	0.002	<0.004
AAC	<0.002		0.011	-----	0.002	<0.004
	<0.002		0.012	-----	0.004	<0.002
	<0.002		0.037	-----	0.004	<0.002
	<0.002		0.013	-----	0.002	0.002
	<0.002		0.009	-----	0.004	<0.004
	<0.002		0.010	-----	0.003	<0.004
	<0.002		0.028	-----	0.003	<0.004
	<0.002		0.013	-----	0.002	<0.004
	<0.002		0.003	-----	0.002	<0.004
	<0.002		0.008	-----	0.003	<0.004
	<0.002		0.006	-----	0.003	<0.004
	<0.002		0.008	-----	0.004	<0.004
	<0.002		0.043	-----	0.002	<0.002
	0.001		0.042	-----	0.003	<0.002
	<0.002		0.032	-----	0.002	<0.004
	<0.002		0.024	-----	0.003	<0.004
	<0.002		0.026	-----	0.003	<0.004
ABN	0.00214		0.017	-----	0.002	<0.004

<0.002	0.001	-----	0.004	<0.004
<0.002	0.009	-----	0.002	<0.004
<0.002	0.030	-----	0.002	<0.004
<0.002	0.039	-----	0.003	<0.004
<0.002	0.018	-----	0.004	0.002
<0.002	0.034	-----	0.004	<0.002
<0.002	0.024	-----	0.003	0.001
0.003	0.039	-----	0.004	<0.004
<0.002	0.026	-----	0.003	<0.004
<0.002	0.039	-----	0.005	<0.004
<0.002	0.021	-----	0.002	<0.004
<0.002	0.005	-----	0.002	<0.004
<0.002	0.012	-----	0.003	<0.004
<0.002	0.022	-----	0.003	<0.004
<0.002	0.021	-----	0.004	<0.004
<0.002	0.020	-----	0.002	0.002
<0.002	0.019	-----	0.003	<0.002
<0.002	0.012	-----	0.002	<0.004
<0.002	0.004	-----	0.003	<0.004
<0.002	0.004	-----	0.001	<0.004
0.00202	0.013	-----	0.001	<0.004
<0.002	0.003	-----	0.004	<0.004
<0.002	0.002	-----	0.001	<0.004
<0.002	0.013	-----	0.001	<0.004
<0.002	0.005	-----	0.002	<0.004
<0.002	0.039	-----	0.002	0.002
0.001	0.118	-----	0.003	<0.002
0.002	0.072	-----	0.002	<0.004
<0.002	0.013	-----	0.002	<0.004
<0.002	0.013	-----	0.002	<0.004
<0.002	0.048	-----	0.003	<0.004
<0.002	0.047	-----	0.004	<0.004
<0.002	0.020	-----	0.002	<0.004
<0.002	0.024	-----	0.002	<0.004
<0.002	0.037	-----	0.002	<0.004
<0.002	0.036	-----	0.002	<0.002
<0.002	0.035	-----	0.003	<0.002
<0.002	0.030	-----	0.003	<0.004
<0.002	0.023	-----	0.003	<0.004
<0.002	0.025	-----	0.002	<0.004
0.00148	0.018	-----	0.002	<0.004
<0.002	0.001	-----	0.003	<0.004
<0.002	0.016	-----	0.003	<0.004
<0.002	0.032	-----	0.002	<0.004
<0.002	0.034	-----	0.003	<0.004
<0.002	0.017	-----	0.002	<0.002
<0.002	0.032	-----	0.002	<0.002

	<0.002		0.022		-----	0.002	0.001
	<0.002		0.021		-----	0.003	<0.004
A	<0.002		0.011		-----	0.003	0.001
AAC	<0.002		0.017		-----	0.002	<0.004
	<0.002		0.011		-----	0.002	<0.004
	<0.002		0.016		-----	0.002	<0.004
	<0.002		0.009		-----	0.002	<0.004
	<0.002		0.010		-----	0.002	<0.004
	<0.002		0.013		-----	0.002	<0.004
AAC	<0.002		0.014		-----	0.002	<0.004
	<0.002		0.012		-----	0.002	0.002
	<0.002		0.023		-----	0.002	<0.002
	<0.002		0.017		-----	0.002	0.001
	0.001		0.012		-----	0.003	<0.004
	<0.002		0.019		-----	0.002	<0.004
ABN	<0.002		0.013		-----	0.002	<0.004
	<0.002		0.008		-----	0.002	<0.004
	<0.002		0.003		-----	0.002	<0.004
	<0.002		0.008		-----	0.002	<0.004
	<0.002		0.012		-----	0.002	<0.004
	<0.002		0.015		-----	0.002	<0.004
	<0.002		0.012		-----	0.002	0.001
	<0.002		0.015		-----	0.003	<0.002
	<0.002		0.017		-----	0.002	<0.004
	<0.002		0.009		-----	0.003	<0.004
	<0.002		0.016		-----	0.002	<0.004
	0.00103		0.011		-----	0.002	<0.004
	<0.002		<0.002		-----	0.002	<0.004
	<0.002		0.008		-----	0.002	<0.004
	<0.002		0.009		-----	0.002	<0.004
	<0.002		0.020		-----	0.003	<0.004
	<0.002		0.031		-----	0.001	0.002
	<0.002		0.060		-----	0.002	<0.002
	T/X	ABP	T/X	ABP	-----	T/X	ABP <0.004
	<0.002		0.063		-----	0.002	<0.004
	<0.002		0.059		-----	0.002	<0.004
	<0.002		0.072		-----	0.003	<0.004
	<0.002		0.108		-----	0.002	<0.004
	<0.002		0.031		-----	0.002	<0.004
	<0.002		0.027		-----	0.002	<0.004
	<0.002		0.037		-----	0.002	<0.004
	T/X	ABR	0.036		-----	0.001	<0.004
	<0.002		0.012		-----	0.007	0.001
	<0.002		0.050		-----	0.003	<0.002
X	T/X	ABP	T/X	ABP	-----	T/X	ABP <0.004
	<0.002		0.007		-----	0.002	<0.004
	<0.002		0.018		-----	0.004	<0.004

	<0.002		0.010		-----	0.006		<0.004
	<0.002		0.016		-----	0.014		<0.004
	<0.002		0.015		-----	0.008		<0.004
	<0.002		0.021		-----	0.003		<0.004
	<0.002		0.014		-----	0.008		0.002
	<0.002		0.052		-----	0.005		<0.002
	T/X	ABP	T/X	ABP	-----	T/X	ABP	<0.004
	<0.002		0.066		-----	0.005		<0.004
	<0.002		0.058		-----	0.004		<0.004
	<0.002		0.048		-----	0.005		<0.004
	<0.002		0.003		-----	0.005		<0.004
	<0.002		0.022		-----	0.004		<0.004
	<0.002		0.037		-----	0.004		<0.004
	<0.002		0.028		-----	0.004		<0.004
	T/X	ABR	0.040		-----	0.005		<0.004
	<0.002		0.018		-----	0.002		<0.002
	<0.002		0.016		-----	0.002		0.002
X	0.002		0.025		-----	0.002		<0.002
	<0.002		0.020		-----	0.002		<0.004
	<0.002		0.022		-----	0.002		<0.004
	<0.002		0.017		-----	0.002		<0.004
	<0.002		0.008		-----	0.002		<0.004
	<0.002		0.015		-----	0.003		<0.004
	<0.002		0.021		-----	0.002		<0.004
	<0.002		0.022		-----	0.002		<0.004
	<0.002		0.022		-----	0.002		<0.004
	<0.002		0.013		-----	0.002		<0.002
	<0.002		0.026		-----	0.004		<0.002
	T/X	ABP	T/X	ABP	-----	T/X	ABP	<0.004
	<0.002		0.008		-----	0.002		<0.004
	<0.002		0.015		-----	0.002		<0.004
	<0.002		0.011		-----	0.003		<0.004
	<0.002		0.005		-----	0.003		<0.004
	<0.002		0.009		-----	0.003		<0.004
	<0.002		0.016		-----	0.002		<0.004
	<0.002		<0.002		-----	<0.002		<0.004
ABR	T/X	ABR	0.016		-----	0.001		<0.004
	<0.002		0.014		-----	0.003		0.003
	<0.002		0.020		-----	0.004		0.001
	<0.002		0.017		-----	0.004		0.002
	<0.002		0.049		-----	0.004		**0.002**
	<0.002		0.023		-----	0.003		<0.002
	<0.002		0.029		-----	0.003		0.001
	<0.002		0.041		-----	0.003		0.001
	<0.002		0.044		-----	0.008		0.002
	<0.002		0.036		-----	0.004		0.002
	<0.002		0.030		-----	0.005		0.002

ABN	<0.002		0.029		-----	0.004		<0.002
	T/X	ABP	T/X	ABP	-----	T/X	ABP	<0.004
	<0.002		0.033		-----	0.004		<0.004
	0.001		0.030		-----	0.004		<0.004
	<0.002		0.022		-----	0.003		<0.004
	<0.002		0.029		-----	0.003		<0.004
	<0.002		0.015		-----	0.002		<0.004
A	<0.002		0.017		-----	0.003		0.002
	<0.002		0.025		-----	0.003		<0.004
	<0.002		0.020		-----	0.003		<0.004
	<0.002		0.028		-----	0.003		<0.004
AAC	<0.002		0.025		-----	0.003		<0.004
	<0.002		0.037		-----	0.003		<0.004
	<0.002		0.036		-----	0.003		<0.004
	T/X	ABP	T/X	ABP	-----	T/X	ABP	<0.004
	0.00142		0.030		-----	0.004		<0.004
	<0.002		0.019		-----	0.003		<0.004
	<0.002		0.018		-----	0.003		<0.004
	<0.002		0.007		-----	0.003		<0.004
	<0.002		0.004		-----	0.003		<0.004
	<0.002		0.019		-----	0.003		<0.004
	<0.002		0.013		-----	0.003		<0.004
	<0.002		0.015		-----	0.004		<0.004
	<0.002		0.011		-----	0.004		<0.004
	<0.002		0.015		-----	0.003		<0.004
	<0.002		0.013		-----	0.003		<0.004
	<0.002		0.013		-----	0.003		<0.004
	<0.002		0.007		-----	0.002		<0.004
	<0.002		0.009		-----	0.002		<0.004
	<0.002		0.016		-----	0.003		<0.004
	<0.002		0.019		-----	0.003		<0.004
	<0.002		0.014		-----	0.002		<0.004
	<0.002		0.015		-----	0.002		<0.004
ABQ	<0.002		0.016		-----	0.004		<0.004
	<0.002		0.022		-----	0.003		<0.004
	<0.002		0.023		-----	0.003		<0.004
ABR	T/X	ABR	0.021		-----	0.002		<0.004
AAC	<0.002		0.015		-----	0.003		0.002
	<0.002		0.041		-----	0.001		<0.002
	<0.002		0.036		-----	0.001		<0.002
	<0.002		0.034		-----	0.001		0.002
	0.002		0.060		-----	0.002		<0.004
A	<0.002		0.006		-----	0.001		0.001
AAC	<0.002		0.026		-----	0.002		<0.004
	<0.002		0.015		-----	0.002		<0.004
	<0.002		0.009		-----	0.002		<0.004
	<0.002		0.012		-----	0.002		<0.004

	<0.002	0.011	-----		0.001	<0.004
	<0.002	0.040	-----		0.002	<0.004
AAC	<0.002	0.031	-----		0.001	<0.004
	<0.002	0.027	<0.5		0.002	<0.002
	<0.002	0.017	<0.5		0.002	0.001
	<0.002	0.015	<0.5		0.003	<0.004
	<0.002	0.038	T/X	AB	0.002	<0.004
	<0.002	0.031	<0.5		0.002	<0.004
	<0.002	0.007	<0.5		0.002	<0.004
	<0.002	0.002	T/X	D	0.002	<0.004
	<0.002	0.031	<0.5		0.002	<0.004
	<0.002	0.016	<0.5		0.002	<0.004
	0.001	0.001	0.5		0.001	0.001
	0.001	0.001	0.5		0.001	0.002

Se tot	Ag sol	Ag sol	Zn sol	Zn sol	Hg LL	Hg LL	Ca tot	Ca tot	Mg tot
Qual Code	mg/L	Qual Code	mg/L	Qual Code	ng/L	Qual Code	mg/L	Qual Code	mg/L
	<0.006		0.017		1.0		53.9		19.4
	<0.006		0.024		1.2		74.5		26.4
	<0.006		0.022		1.8		49.2		17.7
	<0.004		0.016		2.2		48.3		17.6
	<0.004		0.008		0.9		35.9		12.6
	<0.004		0.007		0.8		34.9		12.0
	<0.004		<0.010		<0.5		34.5		12.1
	<0.004		0.005		2.1		34.6		12.4
	<0.004		0.006		1.0		31.6		11.6
	<0.004		0.007		1.5		40.2		13.8
	<0.004		0.016		<0.5		48.2		17.4
	<0.006		0.029		2.2		65.0		23.9
	<0.006		0.025		1.7		71.4		24.5
	<0.006		0.016		4.0		54.7		20.2
	<0.004		0.020		4.3		52.3		19.5
	<0.004		0.015		2.4		56.5		20.8
	<0.004		0.010		3.6		40.9		14.7
	<0.004		0.009		7.6		38.5		13.7
	<0.004		0.012		4.7		52.4		19.2
	<0.004		0.015		<0.5		57.0		21.2
	<0.006		0.019		0.7		80.1		31.2
	<0.006		0.018		2.4		94.6		36.4
	T/X	ABP	T/X	ABP	1.4		86.6		33.4
	<0.004		0.008		5.8		63.0		24.3
	<0.004		0.011		3.5		67.6		26.5
	<0.004		0.009		5.1		62.2		27.9
	<0.004		0.011		1.1		66.5		28.5
	<0.004		0.010		**2.7**	X	52.3		21.3
	<0.004		0.008		**4.1**	X	47.5		17.9
	<0.004		0.009		1.8		66.3		25.8
	T/X	ABR	T/X	ABR	3.1		64.2		25.3
	<0.006		0.014		<0.5		72.8		26.6
	<0.006		0.010		5.9		53.7		18.4
	T/X	ABP	T/X	ABP	1.0		106.3		39.3
	<0.004		0.006		1.2		87.9		31.8
	<0.004		0.008		1.3		84.3		30.4
	<0.004		0.017		10.0		77.5		29.9
	<0.004		0.012		1.0		52.9		18.5
	<0.004		0.006		7.2		34.0		11.7
	<0.004		0.008		0.5		68.9		23.3
	<0.004		0.006		0.7		89.8		32.1
	T/X	ABR	T/X	ABR	1.1		78.4		28.4
	<0.006		0.028		1.0		74.8		29.1

<0.006		0.014		4.5		68.1	22.9
T/X	ABP	T/X	ABP	T/X	ZA	86.8	32.0
<0.004		0.016		3.0		75.4	28.6
<0.004		0.014		1.3		74.0	28.0
<0.004		0.022		2.2		62.4	25.3
<0.004		0.028		2.4		57.3	21.2
<0.004		0.024		2.2		47.7	17.6
<0.004		0.016		1.5		60.4	22.1
<0.004		0.013		1.0		73.0	27.9
T/X	ABR	T/X	ABR	1.5		72.6	27.7
<0.006		0.017		0.9		61.1	21.3
<0.004		0.008		1.4		65.9	23.8
<0.004	X	<0.010		0.8		36.8	12.6
<0.004		<0.010		<0.5		34.5	11.8
<0.004		<0.010		8.6		35.3	11.4
<0.004		<0.010		4.6		34.8	11.8
<0.004		0.006		<0.5		34.6	11.8
<0.004		<0.010		1.7		39.3	12.6
<0.004		0.005		0.7		43.8	14.3
<0.004		0.006		0.8		47.6	16.0
<0.006		0.017		0.7		66.4	25.7
<0.006	X	0.012		0.8		88.9	34.1
<0.006		0.024		1.9		74.3	28.6
T/X	ABP	T/X	ABP	0.9		74.3	28.5
<0.004		0.015		2.6		51.3	19.7
<0.004		0.014		1.0		60.3	23.9
<0.004		0.023		1.8		58.4	25.2
<0.004		0.022		0.9		62.1	22.8
<0.004		0.012		3.2		47.3	18.3
<0.004		0.007		1.9		42.1	15.7
<0.004		0.008		1.0		55.5	21.6
T/X	ABR	T/X	ABR	1.3		68.9	27.4
<0.006		0.020		<0.5		69.3	29.9
<0.006		0.019		2.3		76.2	27.5
T/X	ABP	T/X	ABP	2.3		76.0	33.0
<0.004	X	0.007		0.5		63.6	27.3
<0.004		0.011		3.0		61.3	27.3
<0.004		0.007		10.0		55.6	26.3
<0.004		0.016		0.6		67.3	30.2
<0.004		0.010		2.9		57.2	24.8
<0.004		0.010		1.8		48.0	20.3
<0.004		0.006		1.3		58.0	25.2
T/X	ABR	T/X	ABR	2.0		64.9	28.4
<0.006		0.014		0.8		69.7	29.8
T/X	ABP	T/X	ABP	1.5		76.7	32.2
<0.004		0.009		3.1		62.0	25.6
<0.004		0.007		4.0		60.6	26.3

<0.004		0.015		3.3		54.3		25.8
<0.004		0.010		1.1		69.6		31.2
<0.004		0.008		**2.2**	X	**53.4**	X	**22.7**
<0.004		0.011		2.7		50.5		20.7
<0.004		0.006		1.7		58.4		24.4
T/X	ABR	T/X	ABR	2.5		64.9		27.4
<0.004		0.008		**2.0**	X	49.1		20.6
<0.004		0.008		2.2		50.2		20.6
<0.004		0.008		2.1		58.2		24.8
T/X	ABR	T/X	ABR	**3.5**	X	61.5		25.9
<0.006		0.036		<0.5		68.4		23.3
<0.006		0.030		1.6		72.9		22.6
<0.006		0.036		0.7		59.7		21.1
<0.004		0.024		<0.5		51.8		17.9
<0.004		0.019		0.9		65.1		23.8
<0.004		0.021		1.1		55.7		20.1
<0.004		0.020		0.6		47.1		15.8
<0.004		0.021		2.4		45.7		16.1
<0.004		0.024		1.2		49.5		17.7
<0.004		0.025		0.9		64.8		23.6
<0.004		0.022		1.3		63.4		21.6
<0.004		0.026		0.5		64.3		24.5
<0.004		0.014		2.0		62.2		23.5
<0.004		0.019		1.8		58.0		21.5
<0.004		0.018		5.6		51.0		17.4
<0.004		0.017		1.4		47.1		17.0
<0.004		0.020		1.1		49.3		17.9
<0.004		0.027		1.4		59.6		22.7
<0.004		0.021		1.1		66.2		24.2
<0.004		0.019		0.5		69.4		27.3
<0.006		0.021		2.7		66.5		22.4
<0.006		0.017		1.6		75.7		24.0
<0.006		0.020		2.5		58.4		21.3
<0.004		0.021		2.3		54.5		19.1
<0.004		0.014		5.5		58.0		20.8
<0.004		0.010		2.9		48.7		17.2
<0.004		0.008		1.6		39.5		13.5
<0.004		0.008		1.2		39.6		13.8
<0.004		0.012		9.7		36.1		13.4
<0.004		0.013		**1.6**	X	50.2		17.5
<0.004		0.021		<0.5		62.8		22.5
<0.006		0.022		6.4		72.8		25.2
<0.006		0.027		3.6		80.3		30.3
<0.004		0.009		3.8		67.6		25.1
<0.004		0.009		8.4		48.8		17.6
<0.004		0.010		2.2		58.7		20.9
<0.004		0.018		3.3		49.1		18.6

<0.004		0.006	1.4	49.1	18.3
<0.004		0.008	3.8	42.5	16.4
<0.004		0.009	8.5	37.5	13.6
<0.004		0.015	3.3	58.3	20.9
<0.006		0.024	3.5	73.2	26.5
<0.006		0.017	1.9	78.1	26.7
<0.006		0.019	3.4	61.1	22.2
<0.004		0.028	5.0	70.2	26.2
<0.004		0.011	5.3	58.0	21.1
<0.004		0.011	6.8	56.5	20.0
<0.004		0.008	3.0	42.2	14.9
<0.004		0.010	2.2	42.3	15.5
<0.004		0.012	9.0	39.9	13.8
<0.004		0.013	5.6	58.0	20.8
<0.004		0.015	2.7	63.0	22.5
<0.006		0.025	7.9	66.8	22.1
<0.006		0.024	7.4	70.6	26.9
<0.004		0.012	6.2	69.8	25.3
<0.004		0.010	5.3	56.4	18.6
<0.004		0.008	7.1	47.9	16.8
<0.004		0.009	3.0	41.3	15.8
<0.004	X	0.007	7.4	42.2	16.5
<0.004		<0.010	4.6	38.5	14.3
<0.004		0.008	6.3	49.0	17.5
<0.004		0.011	5.6	55.6	20.0
<0.006		0.009	11.2	46.9	18.0
<0.006		0.020	5.2	98.4	40.3
<0.004		0.010	**4.6**	X 73.3	28.1
<0.004		0.008	10.2	43.5	17.1
<0.004		0.008	<0.5	54.2	20.4
<0.004		0.006	3.2	86.0	33.9
<0.004		0.007	10.1	76.4	30.3
<0.004		0.007	4.4	40.1	14.6
<0.004		0.005	1.0	33.1	12.7
<0.004		0.007	1.8	73.0	29.2
<0.006		0.015	7.0	57.5	20.0
<0.006		0.075	13.2	88.2	33.3
<0.004		0.018	**3.8**	X 75.8	27.8
<0.004		0.009	4.7	52.4	18.6
<0.004		0.008	<0.5	56.6	20.4
<0.004		0.013	5.5	51.1	18.8
<0.004		<0.010	38.2	49.0	18.4
<0.004		0.010	3.4	45.2	17.5
<0.004		0.009	4.6	38.0	13.7
<0.004		0.012	2.2	66.7	24.2
<0.006		0.028	0.7	72.7	26.5
<0.006		0.024	**3.8**	X 70.1	21.8

<0.006		0.020		3.4		48.4	17.6
<0.004		0.029		1.3		76.0	28.8
<0.004		0.015		2.2		64.7	24.6
<0.004		0.018		1.6		66.9	25.1
<0.004		0.016		0.7		50.4	17.3
<0.004		0.017		1.9		46.2	16.5
<0.004		0.025		2.2		52.7	19.1
<0.004		0.018		2.2		65.1	24.4
<0.004		0.016		1.0		60.2	22.4
<0.004		0.020		0.9		69.5	27.4
<0.006		0.020		2.8		61.8	22.8
<0.006		0.020		**9.1**	X	70.4	23.8
<0.006		0.015		5.9		45.4	16.2
<0.004		0.024		T/X	L	63.4	24.0
<0.004		0.014		3.4		57.5	21.2
<0.004		0.009		18.6		45.4	16.6
<0.004		0.007		9.7		44.2	16.2
<0.004	X	0.008		3.0		40.4	14.4
<0.004		0.008		7.4		34.5	12.8
<0.004		0.009		3.3		53.6	19.6
<0.004		0.016		1.5		59.3	22.5
<0.006		0.019		2.4		78.1	25.5
<0.006		0.027		3.2		87.9	32.2
<0.004		0.023		1.9		82.3	29.3
<0.004		0.011		4.2		56.4	18.4
<0.004		0.009		3.2		52.1	18.5
<0.004		0.011		4.5		53.0	19.4
<0.004		<0.010		5.7		48.7	18.3
<0.004		0.010		2.7		43.3	15.7
<0.004		0.019		2.3		57.9	19.8
<0.004		0.011		5.3		61.4	21.7
<0.006		0.023		1.8		38.0	12.5
<0.006		0.020		8.3		79.0	23.3
T/X	ABP	T/X	ABP	3.4		80.1	27.6
<0.004		0.006		2.6		68.6	25.6
<0.004		0.007		9.1		80.2	33.3
<0.004		0.007		3.7		51.7	20.7
<0.004		0.007		0.6		50.4	20.3
<0.004		0.008		12.2		29.6	9.8
<0.004		0.010		2.3		43.8	15.0
<0.004		0.006		1.7		65.1	23.9
T/X	ABR	T/X	ABR	2.4		50.6	17.6
<0.006		0.035		1.5		78.2	30.6
<0.006		0.025		7.4		78.3	24.1
T/X	ABP	T/X	ABP	0.6		88.4	33.4
<0.004		0.015		1.0		76.8	29.2
<0.004		0.018		0.8		86.9	33.2

	<0.004		0.028		<0.5		77.8	29.8
	<0.004		0.030		<0.5		77.1	27.6
	<0.004		0.022		2.2		61.3	22.4
	<0.004		0.014		0.9		78.7	29.8
	<0.006		0.041		<0.5		88.0	34.3
	<0.006		0.023		1.8		81.1	25.8
	T/X	ABP	T/X	ABP	<0.5		87.5	32.7
	<0.004		<0.010		4.2		64.0	25.2
	<0.004		0.006		<0.5		61.1	25.1
	<0.004		0.005		5.1		56.9	25.3
	<0.004		<0.010		1.2		55.3	27.6
	<0.004		<0.010		1.5		45.6	19.2
	<0.004		0.007		2.1		52.3	20.0
	<0.004		<0.010		1.1		71.0	28.9
	T/X	ABR	T/X	ABR	1.8		68.9	28.1
	<0.006		0.024		5.3		69.3	25.1
	<0.006		0.023		6.2		73.6	23.5
	<0.006		0.028		8.8		76.8	27.3
	<0.004		0.020		13.5		84.9	28.5
	<0.004		0.015		16.9		58.5	19.0
	<0.004		0.017		20.0		66.1	21.9
	<0.004		0.010		16.2		58.2	22.9
	<0.004		0.008		18.8		55.0	22.8
	<0.004		0.009		4.7		47.3	22.6
	<0.004		0.013		17.7		59.6	20.4
	<0.004		0.017		8.2		64.3	23.4
	<0.006		0.015		1.3		74.1	31.2
	<0.006		0.017		2.6		85.1	34.6
	T/X	ABP	T/X	ABP	2.0		72.7	30.0
	<0.004		0.007		4.0		60.8	24.9
	<0.004		0.007		4.4		61.7	26.7
	<0.004		0.009		3.1		51.6	24.1
	<0.004		0.006		1.0		65.2	29.8
	<0.004		0.006		1.8		49.0	21.3
	<0.004		0.013		**2.8**	X	48.7	19.7
	<0.004		<0.010		1.6		57.8	24.2
	T/X	ABR	T/X	ABR	1.9		69.7	29.7
	<0.006		0.021		1.9		65.6	24.7
	<0.006		0.028		1.6		70.4	25.8
	<0.006		0.021		2.8		72.1	25.8
X	**<0.006**	X	0.025		2.9		81.2	27.8
	<0.006		0.022		**1.3**	X	67.1	23.6
	<0.006		0.020		6.2		77.2	27.6
	<0.006		0.019		4.3		82.6	28.3
	<0.006		0.018		3.8		78.0	26.4
	<0.006		0.019		2.4		74.4	28.5
	<0.006		0.019		3.4		58.7	21.1

<0.006		0.019		1.8		72.6	26.4
T/X	ABP	T/X	ABP	2.3		74.5	27.1
<0.004		0.023		1.4		74.3	27.4
<0.004		0.022		2.8		66.7	24.3
<0.004		0.011		2.2		59.9	21.6
<0.004		0.013		**4.8**	X	76.0	28.2
<0.004		0.012		5.8		66.6	24.1
<0.004		0.014		1.3		64.2	23.1
<0.004		0.013		1.8		58.5	21.1
<0.004		0.018		7.3		44.4	15.8
<0.004		0.012		2.7		62.5	22.7
<0.004		0.013		2.5		57.3	20.5
<0.004		0.010		2.1		59.1	21.5
<0.004		0.009		2.2		52.7	18.8
T/X	ABP	T/X	ABP	0.5		41.2	15.5
<0.004		0.016		1.1		52.7	19.7
<0.004		0.010		10.0		53.7	18.1
<0.004		0.011		2.1		45.8	16.4
<0.004		0.010		1.5		49.8	18.6
<0.004		0.010		2.2		50.2	17.9
<0.004		0.009		2.3		48.5	17.6
<0.004		0.010		1.5		46.3	17.1
<0.004		0.008		3.6		46.4	16.5
<0.004		0.010		3.4		46.3	16.9
<0.004		0.014		4.4		49.1	17.0
<0.004		0.014		4.4		39.6	16.3
<0.004		0.010		2.3		47.6	17.4
<0.004		T/X	AAC	2.5		38.6	13.4
<0.004		0.010		2.5		53.5	18.6
<0.004		0.010		2.5		55.2	19.2
<0.004		0.015		**2.6**	X	57.1	20.4
<0.004		0.010		4.3		39.9	14.6
<0.004		0.015		2.9		54.9	20.0
<0.004		0.012		3.7		61.5	22.1
<0.004		0.015		1.0		64.2	22.7
<0.004		0.016		1.2		59.7	21.5
T/X	ABR	T/X	ABR	3.4		63.9	23.7
<0.004		0.016		**3.0**	X	71.4	26.9
<0.006		0.015		9.9		83.5	34.6
<0.006		0.013		3.7		74.8	27.3
<0.006		0.013		4.6		48.5	18.7
<0.004		0.032		3.7		63.0	26.4
<0.004		0.007		5.5		56.3	23.1
<0.004		0.007		4.3		58.4	24.7
<0.004		0.006		2.1		63.4	29.1
<0.004		0.010		1.4		48.5	20.8
<0.004		0.009		2.0		54.1	23.4

<0.004	0.006	2.3	56.2	22.8
<0.004	0.009	1.8	70.7	29.7
<0.004	0.007	1.2	81.0	35.4
<0.006	0.025	-----	69.9	23.8
<0.006	0.015	-----	52.0	18.7
<0.004	0.019	-----	62.7	23.8
<0.004	0.022	-----	59.5	21.7
<0.004	0.007	-----	47.7	16.8
<0.004	0.006	-----	40.3	14.3
<0.004	0.006	-----	41.3	14.9
<0.004	0.010	-----	55.9	20.0
<0.004	0.015	-----	61.7	23.1

0.003	0.005	0.5*	0.5	0.5
0.002	0.005	0.5*	0.5	0.5

Mg tot	Hardness	Hardness	Ag tot	Ag tot	B tot	B tot	Benzene	Benzene
Qual Code	mg/L	Qual Code	mg/L	Qual Code	mg/L	Qual Code	ug/L	Qual Code
	214		<0.006		0.079		<2	
	295		<0.006		0.093			
	196		<0.006		0.063		<2	
	193		<0.004		0.061			
	141		<0.004		0.031		<2	
	136		<0.004		0.025			
	136		<0.004		0.029		<2	
	138		<0.004		0.037			
	127		<0.004		0.025		<2	
	157		<0.004		0.045			
	192		<0.004		0.069		<2	
	260		<0.006		0.115		<2	
	279		<0.006		0.082			
	220		<0.006		0.058		<2	
	211		<0.004		0.085			
	227		<0.004		0.093		<2	
	163		**<0.004**	X	0.071			
	152		<0.004		0.063		<2	
	210		<0.004		0.108			
	229		<0.004		0.094		<2	
	329		<0.006		0.111			
	386		<0.006		0.108			
	354		<0.004		0.107		<2	
	257		<0.004		0.069			
	278		<0.004		0.112		**<2**	X
	270		<0.004		0.131			
	283		<0.004		0.235		<2	
	218		<0.004		0.200			
	192		<0.004		0.089		<2	
	272		<0.004		0.118			
	265		<0.004		0.080		<2	
	291		<0.006		0.032			
	210		<0.006		0.022		<2	
	427		<0.004		0.048		<2	
	350		<0.004		0.049			
	336		<0.004		0.060		<2	
	317		<0.004		0.066			
	208		<0.004		0.070		<2	
	133		<0.004		0.044			
	268		<0.004		0.068		<2	
	356		<0.004		0.061			
	313		<0.004		0.046		<2	
	306		<0.006		0.099			

264	<0.006		0.041	<2
349	<0.004		0.103	<2
306	<0.004		0.079	
300	<0.004		0.093	<2
260	<0.004		0.151	
230	<0.004		0.173	<2
192	<0.004		0.134	
242	<0.004		0.090	<2
297	<0.004		0.084	
295	**<0.004**	X	0.081	<2
240	<0.006		0.046	
262	<0.004		0.041	<2
144	<0.004		0.026	
135	<0.004		0.023	<2
135	<0.004		0.023	
136	<0.004		0.026	<2
135	<0.004		0.024	
150	<0.004		0.032	<2
168	<0.004		0.033	
185	<0.004		0.036	<2
271	<0.006		0.080	
362	<0.006		0.065	<2
303	<0.006		0.110	
303	<0.004		0.097	<2
209	<0.004		0.048	
249	<0.004		0.091	<2
250	<0.004		0.153	
249	<0.004		0.199	<2
193	<0.004		0.134	
170	<0.004		0.066	<2
227	<0.004		0.076	
285	<0.004		0.081	<2
296	<0.006		0.080	
304	**<0.006**	X	0.072	<2
325	<0.004		0.079	<2
271	<0.004		0.053	
266	<0.004		0.069	<2
247	<0.004		0.082	
293	<0.004		0.165	<2
245	<0.004		0.120	
203	<0.004		0.064	<2
249	<0.004		0.056	
279	<0.004		0.064	<2
297	<0.006		0.083	
324	<0.004		0.092	<2
260	<0.004		0.055	
259	<0.004		0.070	<2

	242	<0.004		0.086	
	302	<0.004		0.192	<2
X	227	<0.004		0.141	
	211	<0.004		0.073	<2
	246	<0.004		0.071	
	275	<0.004		0.069	<2
	207	<0.004		0.122	
	210	<0.004		0.072	<2
	247	<0.004		0.076	
	260	<0.004		0.072	<2
	267	<0.006		0.137	
	275	<0.006		0.088	<2
	236	<0.006		0.119	
	203	<0.004		0.097	<2
	261	<0.004		0.112	
	222	<0.004		0.120	<2
	183	<0.004		0.102	
	181	<0.004		0.105	<2
	196	<0.004		0.137	
	259	<0.004		0.186	<2
	247	<0.004		0.122	
	261	<0.004		0.156	<2
	252	**<0.004**	X	0.092	
	233	<0.004		0.104	
	199	<0.004		0.104	
	187	<0.004		0.103	<2
	197	<0.004		0.113	
	242	<0.004		0.133	
	265	<0.004		0.116	
	286	<0.004		0.125	
	258	<0.006		0.126	<2
	288	<0.006		0.113	
	234	<0.006		0.185	<2
	215	<0.004		0.148	
	230	<0.004		0.209	<2
	193	<0.004		0.094	
	154	<0.004		0.075	<2
	156	<0.004		0.078	
	145	<0.004		0.104	<2
	198	<0.004		0.137	
	249	<0.004		0.147	<2
	285	<0.006		0.128	
	325	<0.006		0.147	<2
	272	<0.004		0.128	
	194	<0.004		0.111	<2
	233	<0.004		0.136	
	199	<0.004		0.112	<2

198	<0.004		0.140		
174	<0.004		0.104	<2	
149	<0.004		0.098		
232	<0.004		0.142	<2	
292	<0.006		0.177	<2	
305	<0.006		0.132		
244	<0.006		0.173	<2	
283	<0.004		0.200		
232	<0.004		0.126	<2	
223	<0.004		0.137		
167	<0.004		0.101	<2	
169	<0.004		0.112		
156	<0.004		0.116	<2	
230	<0.004		0.217		
250	<0.004		0.193	<2	
258	<0.006		0.137		
287	<0.006		0.156	<2	
279	<0.004		0.161		
217	<0.004		0.128	<2	
189	<0.004		0.099		
168	<0.004		0.074	<2	
173	<0.004		0.073		
155	<0.004		0.059	<2	
194	<0.004		0.105		
221	<0.004		0.122	<2	
191	<0.006		0.056		
411	<0.006		0.142	<2	
299	<0.004		0.116		
179	<0.004		0.086	<2	
219	<0.004		0.134		
354	<0.004		0.209	<2	
316	**<0.004**	X	0.212		
160	<0.004		0.115	<2	
135	<0.004		0.062		
303	<0.004		0.122	<2	
226	<0.006		0.094		
357	<0.006		0.174	**<2**	K
304	<0.004		0.153		
207	<0.004		0.106	<2	
225	<0.004		0.143		
205	<0.004		0.133	<2	
198	<0.004		0.127		
185	<0.004		0.137	<2	
151	<0.004		0.077		
266	<0.004		0.166	<2	
290	<0.006		0.120		
265	<0.006		0.065	<2	

193	<0.006		0.053	
309	<0.004		0.124	
263	<0.004		0.099	
270	<0.004		0.112	
197	<0.004		0.101	
183	<0.004		0.104	<2
210	<0.004		0.138	
263	<0.004		0.136	<2
242	<0.004		0.113	
286	<0.004		0.133	<2
248	<0.006		0.100	<2
274	<0.006		0.077	
180	<0.006		0.050	<2
257	<0.004		0.101	
231	<0.004		0.097	<2
181	<0.004		0.068	
177	<0.004		0.060	<2
160	<0.004		0.062	
139	<0.004		0.066	<2
214	<0.004		0.100	
241	<0.004		0.116	<2
300	<0.006		0.130	
352	<0.006		0.212	<2
326	<0.004		0.191	
217	<0.004		0.130	<2
206	<0.004		0.117	
212	<0.004		0.129	<2
197	<0.004		0.134	
173	<0.004		0.115	<2
226	<0.004		0.124	
243	<0.004		0.171	<2
146	<0.006		0.030	
293	<0.006		0.034	
314	<0.004		0.050	<2
277	<0.004		0.072	
337	<0.004		0.099	<2
214	<0.004		0.079	
209	<0.004		0.098	<2
114	<0.004		0.053	
171	<0.004		0.063	<2
261	<0.004		0.087	
199	<0.004		0.042	<2
321	<0.006		0.138	
295	<0.006		0.062	<2
358	<0.004		0.163	<2
312	**<0.004**	X	0.085	
354	<0.004		0.152	<2

317	<0.004		0.179		
306	<0.004		0.226		<2
246	<0.004		0.161		
319	<0.004		0.134		<2
361	<0.006		0.166		
309	<0.006		0.087		<2
353	<0.004		0.161		<2
263	<0.004		0.056		
256	<0.004		0.071		<2
246	<0.004		0.081		
252	<0.004		0.107		<2
193	<0.004		0.083		
213	<0.004		0.065		<2
296	<0.004		0.063		
288	<0.004		0.052		<2
276	<0.006		0.136		<2
280	<0.006		0.147		
304	<0.006		0.163		<2
329	<0.004		0.172		
224	<0.004		0.125		<2
255	<0.004		0.146		
240	<0.004		0.129		<2
231	<0.004		0.131		
211	<0.004		0.124		<2
233	<0.004		0.150		
257	<0.004		0.135		<2
314	<0.006		0.086		
355	<0.006		0.111		<2
305	<0.004		0.090		<2
254	**<0.004**	X	0.061		
264	<0.004		0.075		<2
228	<0.004		0.085		
285	<0.004		0.152		<2
210	<0.004		0.124		
203	<0.004		0.072		<2
244	<0.004		0.070		
296	<0.004		0.080		<2
265	<0.006		0.152		
282	<0.006		0.194		
286	<0.006		0.185		<2
317	<0.006		**0.158**	X	
265	<0.006		0.133		<2
306	<0.006		0.115		
323	<0.006		0.139		
304	<0.006		0.135		
303	<0.006		0.329		
234	<0.006		0.101		<2

290	<0.006		0.126	
298	<0.004		0.154	<2
298	<0.004		0.248	
267	<0.004		0.149	
239	<0.004		0.116	
306	<0.004		0.317	
266	<0.004		0.104	
255	<0.004		0.141	
233	<0.004		0.121	<2
176	<0.004		0.091	<2
249	<0.004		0.157	<2
227	<0.004		0.151	
236	<0.004		0.322	
209	<0.004		0.159	
167	<0.004		0.115	
213	<0.004		0.129	
208	<0.004		0.150	
182	<0.004		0.109	<2
201	<0.004		0.137	<2
199	<0.004		0.149	
193	<0.004		0.140	
186	<0.004		0.131	
184	<0.004		0.134	
185	<0.004		0.129	
192	<0.004		0.169	
166	<0.004		0.116	<2
191	<0.004		0.127	
151	<0.004		0.088	
210	<0.004		0.142	
217	<0.004		0.170	
227	<0.004		0.231	
160	<0.004		0.093	
220	<0.004		0.132	
244	<0.004		0.148	
254	<0.004		0.208	<2
238	<0.004		0.161	
257	**<0.004**	X	0.157	
289	<0.004		0.142	
351	<0.006		0.082	
299	<0.006		0.052	<2
198	<0.006		0.043	
266	<0.004		0.062	<2
236	<0.004		0.058	
247	<0.004		0.081	<2
278	<0.004		0.123	
207	<0.004		0.118	<2
231	<0.004		0.116	

234	<0.004	0.096	<2
299	<0.004	0.086	
348	<0.004	0.088	<2
273	<0.006	0.082	
207	<0.006	0.066	<2
254	<0.004	0.116	
238	<0.004	0.100	<2
188	<0.004	0.071	
159	<0.004	0.068	<2
165	<0.004	0.073	
222	<0.004	0.107	
249	<0.004	0.117	<2
	0.003	0.005	2
	0.002	0.005	2

Ethylbenzene	Ethylbenzene	Toluene	Toluene	Xylenes (total)	Xylenes (total)	o-Xylene	o-Xylene
ug/L	Qual Code	ug/L	Qual Code	ug/L	Qual Code	ug/L	Qual Code
<2		<2		<4		<4	
<2		<2		<4		<4	
<2		<2		<4		<4	
<2		<2		<4		<4	
<2		<2		<4		<4	
<2		<2		<4		<4	
<2		<2		<4		<4	
<2		<2		<4		<4	
<2		<2		<4		<4	
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<2		<2		<4		<4	
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<2		<2		<4		<4	
<2	X	**<2**	X	**<4**	X	**<4**	X
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Part D. Summary of Year 18 Stormwater Activities

The following table summarizes the BMPs committed to for Year 18. Specific BMPs and measurable goals for Year 18 Stormwater Management Program development activities are presented in the sections following the table.

The Village will be preparing and submitting a new Notice of Intent during Year 17 to more accurately reflect the current program activities.

Note: X indicates BMPs committed to for Year 18.

Year 18 MS4	
A. Public Education and Outreach	
	A.1 Distributed Paper Material
	A.2 Speaking Engagement
	A.3 Public Service Announcement
X	**A.4 Community Event**
	A.5 Classroom Education Material
	A.6 Other Public Education
B. Public Participation/Involvement	
	B.1 Public Panel
	B.2 Educational Volunteer
X	**B.3 Stakeholder Meeting**
X	**B.4 Public Hearing**
	B.5 Volunteer Monitoring
	B.6 Program Coordination
	B.7 Other Public Involvement
C. Illicit Discharge Detection and Elimination	
X	**C.1 Storm Sewer Map Preparation**
X	**C.2 Regulatory Control Program**
	C.3 Detection/Elimination Prioritization Plan
X	**C.4 Illicit Discharge Tracing Procedures**
X	**C.5 Illicit Source Removal Procedures**
X	**C.6 Program Evaluation and Assessment**
X	**C.7 Visual Dry Weather Screening**
	C.8 Pollutant Field Testing
	C.9 Public Notification
	C.10 Other Illicit Discharge Controls

Year 18 MS4	
D. Construction Site Runoff Control	
	D.1 Regulatory Control Program
	D.2 Erosion and Sediment Control BMPs
	D.3 Other Waste Control Program
X	**D.4 Site Plan Review Procedures**
	D.5 Public Information Handling Procedures
	D.6 Site Inspection/Enforcement Procedures
	D.7 Other Construction Site Runoff Controls
E. Post-Construction Runoff Control	
	E.1 Community Control Strategy
	E.2 Regulatory Control Program
	E.3 Long Term O&M Procedures
	E.4 Pre-Const Review of BMP Designs
	E.5 Site Inspections During Construction
X	**E.6 Post-Construction Inspections**
	E.7 Other Post-Const Runoff Controls
F. Pollution Prevention/Good Housekeeping	
	F.1 Employee Training Program
X	**F.2 Inspection and Maintenance Program**
	F.3 Municipal Operations Storm Water Control
	F.4 Municipal Operations Waste Disposal
	F.5 Flood Management/Assess Guidelines
	F.6 Other Municipal Operations Controls

1. Public Education and Outreach

The Village is committing to conduct Public Education and Outreach as part of its permit. Public Education and Outreach requires implementation of a program to distribute educational material to the community or conduct equivalent outreach activities about the impacts of storm water discharges on water bodies and the steps that the public can take to reduce pollutants to stormwater runoff. The Village commits to implementation of BMPs as described below.

The Village is committing to implementing the Public Education and Outreach component of its Stormwater (BMP) Program. The Village's Public Education and Outreach program includes: the distribution of educational material to the community or conducting equivalent outreach activities about the impacts of stormwater discharges on water bodies and the steps that the public can take to reduce those impacts; supporting classroom education; and supporting storm drain stenciling efforts.

Measurable Goals: *Implement, and track progress, of BMPs as described in the Stormwater (BMP) Program.*

2. Public Participation/Involvement

The Village will perform activities and services related to the Public Participation/Involvement minimum control measure. BMPs will be implemented under BMPs as described below.

The Village is committing to implementing the Public Participation/Involvement component of its Storm water (BMP) Program. The Village's Public Participation/Involvement program includes: maintaining a process for receiving and processing citizen input; attending and publicizing stakeholder meetings; presenting program information at a public meeting at least once annually; and, publicizing IDDE reporting contact numbers.

Measurable Goals: *Implement, and track progress, of BMPs as described in the Stormwater (BMP) Program.*

3. Illicit Discharge Detection and Elimination

The Village commits to performing some activities related to the Illicit Discharge Detection and Elimination minimum control. BMPs will be implemented under BMPs as described below.

The Village will conduct activities related to the Illicit Discharge Detection and Elimination (IDDE) minimum control measure. According to the current General NPDES Permit No. ILR40, the Village's IDDE program must include:

- **A storm sewer system map showing the locations of all outfalls and the names and locations of all waters that receive discharges from those outfalls;**
- **An ordinance or other regulatory mechanism that prohibits all non-storm water discharges into the storm sewer system and provides the authority for appropriate enforcement procedures and actions;**
- **A plan to detect and address all non-stormwater discharges, including illegal dumping, into the storm sewer system;**
- **A program to educate public employees, businesses, and the general public about the hazards associated with illegal discharges and improper disposal of waste; and,**
- **Periodic (annual is recommended) inspection of storm sewer outfalls for detection of non-stormwater discharges and illegal dumping.**

Measurable Goals: *Implement, and track progress, of BMPs as described in the Stormwater (BMP) Program.*

4. Construction Site Runoff Control

Cook County has adopted a Watershed Management Ordinance (WMO) that establishes the minimum stormwater management requirements for developments in Cook County. The Ordinance establishes standards for construction site runoff control. The Village will continue to enforce the Cook County Ordinance.

Measurable Goals: *Implement, and track progress, of BMPs as described in the Stormwater (BMP) Program. Enforce Ordinance.*

5. Post-Construction Runoff Control

As described above, the Cook County WMO establishes the minimum stormwater management requirements for developments in Cook County. The WMO establishes standards for post-construction site runoff control. The Village will continue to enforce the WMO.

Measurable Goals: *Implement, and track progress, of BMPs as described in the Stormwater (BMP) Program. Enforce Ordinance.*

6. Pollution Prevention/Good Housekeeping

This minimum control measure involves the development and implementation of an operation and maintenance program to reduce the discharge of pollutants from municipal operations. This program must include a training program for municipal employees. The Village will perform BMPs as described below.

The Village is committing to implementing the Pollution Prevention/Good Housekeeping component of its Stormwater (BMP) Program. The Village's Pollution Prevention/Good Housekeeping program includes: the evaluation and improvement of municipal policies and procedures to reduce the discharge of pollutants from municipal activities and operations; and, a training program for municipal employees.

Measurable Goals: *Implement, and track progress, of BMPs as described in the Stormwater (BMP) Program.*

Part E. Notice of Qualifying Local Program

N/A

Part F. Construction Projects Conducted During Year 17

Project Name	Project Size (acres)	Construction Start Date	Construction End Date
Touhy Overpass	1.4	December 2017	Ongoing