MS4 Annual Facility Inspection Report

Illinois Environmental Protection Agency
National Pollutant Discharge Elimination System Phase II

Permit Year 15: March 2017 to March 2018

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 11	Year 12	Year 13	Year 14	Year 15	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 11	Year 12	Year 13	Year 14	Year 15	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 15, 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 15 is described below.

The Village will be preparing and submitting a new Notice of Intent during Year 16 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.

Date	Time collected	Sampling point	DO mg/L	DO Qual code	TEMP Deg C	TEMP Qual code	pH	pH Qual code
17-Jan-17	1015	WW_100	9.4		4.8		7.8	
21-Feb-17	910	WW_100	7.2		10.8		7.1	
20-Mar-17	915	WW_100	9.0		9.4		7.3	
17-Apr-17	910	WW_100	3.6		14.6		7.2	
15-May-17	920	WW_100	8.4		15.3		7.0	
19-Jun-17	930	WW_100	7.3		20.4		7.5	
24-Jul-17	925	WW_100	7.6		24.0		7.5	
21-Aug-17	910	WW_100	6.6		25.6		7.5	
18-Sep-17	955	WW_100	7.7		22.7		7.3	
16-Oct-17	950	WW_100	3.7		16.9		7.2	
20-Nov-17	930	WW_100	8.6		9.3		7.2	
18-Dec-17	940	WW_100	9.8		5.3		7.0	
17-Jan-17	1100	WW_108	8.2		6.7		7.2	
21-Feb-17	935	WW_108	7.0		10.4		7.3	
20-Mar-17	1010	WW_108	7.5		8.9		7.3	
17-Apr-17	955	WW_108	5.8		15.9		7.1	
15-May-17	1005	WW_108	6.5		16.8		7.1	
19-Jun-17	1015	WW_108	5.5		22.0		7.4	
24-Jul-17	1015	WW_108	4.9		23.4		7.4	
21-Aug-17	950	WW_108	6.3		24.6		7.4	
18-Sep-17	1050	WW_108	5.6		22.4		7.2	
16-Oct-17	1035	WW_108	5.6		17.2		7.1	
20-Nov-17	1025	WW_108	5.4		10.8		7.0	
18-Dec-17	1020	WW_108	7.9		6.2		7.1	
3-Jan-17	825	WW_109	11.3		5.2		7.3	
6-Feb-17	815	WW_109	12.1		2.4		7.4	
6-Mar-17	805	WW_109	10.0		8.6		7.4	
3-Apr-17	845	WW_109	7.0		9.7		7.3	
1-May-17	840	WW_109	8.7		10.1		7.1	
5-Jun-17	920	WW_109	5.6		22.1		7.0	
10-Jul-17	840	WW_109	5.5		23.8		7.2	
7-Aug-17	915	WW_109	5.7		21.7		7.3	
5-Sep-17	923	WW_109	7.6		19.2		7.1	
2-Oct-17	930	WW_109	6.8		17.5		7.3	
6-Nov-17	845	WW_109	9.1		9.8		7.1	
4-Dec-17	900	WW_109	9.3		8.2		7.2	
3-Jan-17	1025	WW_110	9.3		4.5		7.6	
6-Mar-17	1000	WW_110	6.9		8.6		7.6	
3-Apr-17	1020	WW_110	7.8		8.9		7.4	
1-May-17	1015	WW_110	8.5		9.4		7.4	
5-Jun-17	1055	WW_110	3.5		19.4		7.6	
10-Jul-17	1125	WW_110	4.5		22.4		7.5	

7-Aug-17	1100	WW_110	4.0		19.5	7.4
5-Sep-17	1005	WW_110	2.1		17.1	7.2
2-Oct-17	1045	WW_110	0.0		16.2	7.3
6-Nov-17	1030	WW_110	7.8		7.5	7.3
4-Dec-17	1025	WW_110	6.7		8.7	7.1
3-Jan-17	1115	WW_111	8.9		8.1	7.9
6-Feb-17	1050	WW_111	8.0		6.3	7.4
6-Mar-17	1055	WW_111	10.0		9.4	7.4
3-Apr-17	1110	WW_111	9.5		10.6	7.6
1-May-17	1045	WW_111	9.3		9.8	7.7
5-Jun-17	1140	WW_111	8.6		22.5	7.8
10-Jul-17	1205	WW_111	5.9		23.2	7.4
7-Aug-17	1145	WW_111	6.3		22.7	7.5
5-Sep-17	1115	WW_111	5.9		18.7	7.2
2-Oct-17	1130	WW_111	7.2		19.1	7.4
6-Nov-17	1115	WW_111	8.4		10.9	7.3
4-Dec-17	1110	WW_111	9.6		11.7	7.3
14-Feb-17	1020	WW_112	13.0		2.9	8.2
13-Mar-17	1000	WW_112	12.9		3.8	8.2
10-Apr-17	950	WW_112	6.1		14.7	7.3
8-May-17	1020	WW_112	8.6		13.2	7.5
12-Jun-17	945	WW_112	8.0		21.0	8.0
17-Jul-17	1045	WW_112	6.2		21.1	7.4
14-Aug-17	940	WW_112	6.5		22.1	7.6
11-Sep-17	1045	WW_112	7.2		18.9	7.2
9-Oct-17	1035	WW_112	T/X	AGG	18.9	7.5
13-Nov-17	1020	WW_112	3.4		4.6	7.2
11-Dec-17	1035	WW_112	8.8		2.0	7.2
3-Jan-17	1155	WW_113	11.0		4.4	7.9
6-Mar-17	1140	WW_113	11.3		9.3	8.1
3-Apr-17	1150	WW_113	10.0		9.1	7.8
1-May-17	1155	WW_113	9.6		10.8	7.8
5-Jun-17	1230	WW_113	7.9		22.3	8.7
10-Jul-17	1300	WW_113	6.6		24.4	8.1
7-Aug-17	1235	WW_113	11.4		22.8	8.5
3-Jan-17	940	WW_18	9.4		9.1	7.2
6-Feb-17	925	WW_18	8.7		8.6	7.2
6-Mar-17	920	WW_18	9.1		9.8	7.5
3-Apr-17	945	WW_18	8.5		9.7	7.3
1-May-17	955	WW_18	7.0		11.2	7.3
5-Jun-17	1020	WW_18	0.0		20.1	7.3
10-Jul-17	1055	WW_18	8.5		23.5	7.4
7-Aug-17	1030	WW_18	6.3		22.1	7.3
5-Sep-17	940	WW_18	3.7		19.5	7.1
2-Oct-17	1005	WW_18	5.7		18.2	7.1
6-Nov-17	955	WW_18	9.4		10.4	7.2
4-Dec-17	1000	WW_18	8.1		13.7	7.0

3-Jan-17	1335	WW_19	11.6	4.4	7.9
6-Feb-17	1300	WW_19	12.3	3.8	7.8
6-Mar-17	1310	WW_19	8.9	7.4	8.1
3-Apr-17	1310	WW_19	7.8	9.2	7.8
1-May-17	1300	WW_19	9.0	10.2	7.6
5-Jun-17	1345	WW_19	5.7	23.9	7.8
10-Jul-17	1415	WW_19	4.3	24.7	7.5
7-Aug-17	1340	WW_19	5.8	21.9	7.7
5-Sep-17	1300	WW_19	6.0	20.1	7.5
2-Oct-17	1330	WW_19	5.4	19.4	7.8
6-Nov-17	1300	WW_19	8.7	9.6	7.6
4-Dec-17	1310	WW_19	10.3	9.0	7.6
3-Jan-17	850	WW_22	11.6	3.2	7.8
6-Feb-17	845	WW_22	11.6	1.2	7.5
6-Mar-17	825	WW_22	11.3	6.6	7.6
3-Apr-17	915	WW_22	7.2	9.1	7.4
1-May-17	905	WW_22	8.7	10.7	7.2
5-Jun-17	945	WW_22	6.4	23.1	7.5
10-Jul-17	905	WW_22	5.3	24.1	7.4
7-Aug-17	945	WW_22	5.5	21.4	7.5
5-Sep-17	940	WW_22	6.0	19.3	7.2
2-Oct-17	950	WW_22	6.0	18.0	7.4
6-Nov-17	920	WW_22	9.0	9.7	7.2
4-Dec-17	930	WW_22	9.5	7.8	7.3
3-Jan-17	935	WW_23	11.5	3.2	7.8
6-Mar-17	900	WW_23	11.1	7.1	7.6
3-Apr-17	950	WW_23	8.0	8.6	7.5
1-May-17	935	WW_23	7.0	10.8	7.4
5-Jun-17	1035	WW_23	6.3	23.5	7.7
10-Jul-17	940	WW_23	6.2	24.5	7.6
7-Aug-17	1015	WW_23	5.7	22.2	7.6
5-Sep-17	1020	WW_23	6.0	20.2	7.4
2-Oct-17	1120	WW_23	6.0	18.2	7.5
6-Nov-17	1025	WW_23	8.2	9.7	7.3
4-Dec-17	1010	WW_23	10.8	7.7	7.6
9-Jan-17	1050	WW_36	6.6	10.0	7.2
14-Feb-17	1120	WW_36	8.5	11.4	7.3
13-Mar-17	1050	WW_36	8.0	10.9	7.5
10-Apr-17	1040	WW_36	8.7	15.3	7.3
8-May-17	1040	WW_36	8.5	14.2	7.1
12-Jun-17	1020	WW_36	7.6	21.1	7.3
17-Jul-17	1120	WW_36	7.1	21.5	7.1
14-Aug-17	1015	WW_36	6.8	22.5	7.2
11-Sep-17	1115	WW_36	7.3	20.5	7.2
9-Oct-17	1115	WW_36	7.2	22.2	7.2
13-Nov-17	1050	WW_36	6.9	14.7	7.0
11-Dec-17	1115	WW_36	8.2	12.8	6.9

17-Jan-17	925	WW_41	8.1	4.7	7.2
21-Feb-17	855	WW_41	7.5	11.6	7.2
20-Mar-17	900	WW_41	6.2	9.6	7.2
17-Apr-17	900	WW_41	6.6	14.1	7.3
15-May-17	915	WW_41	5.8	16.2	6.9
19-Jun-17	855	WW_41	4.7	21.7	7.2
24-Jul-17	935	WW_41	3.8	24.0	7.0
21-Aug-17	920	WW_41	6.0	25.2	7.2
18-Sep-17	925	WW_41	5.4	22.4	7.0
16-Oct-17	945	WW_41	4.3	17.5	7.0
20-Nov-17	1000	WW_41	7.5	11.6	7.0
18-Dec-17	1015	WW_41	8.5	8.9	7.1
23-Jan-17	945	WW_43	9.2	6.4	7.1
27-Feb-17	945	WW_43	7.5	9.7	7.3
27-Mar-17	915	WW_43	8.0	10.8	7.1
24-Apr-17	955	WW_43	8.9	15.3	7.0
22-May-17	935	WW_43	5.8	16.0	7.0
26-Jun-17	915	WW_43	6.2	22.7	7.3
31-Jul-17	940	WW_43	9.0	25.6	7.3
28-Aug-17	945	WW_43	7.2	23.2	7.1
25-Sep-17	940	WW_43	6.6	25.4	7.1
23-Oct-17	945	WW_43	5.9	16.9	6.8
27-Nov-17	950	WW_43	7.5	9.2	6.9
17-Jan-17	1145	WW_48	8.3	5.9	7.3
21-Feb-17	1045	WW_48	6.8	10.5	7.4
20-Mar-17	1130	WW_48	7.6	8.7	7.4
17-Apr-17	1030	WW_48	6.6	14.2	7.2
15-May-17	1140	WW_48	5.8	18.3	7.2
19-Jun-17	1100	WW_48	3.6	23.0	7.2
24-Jul-17	1145	WW_48	2.6	24.7	7.2
21-Aug-17	1135	WW_48	2.1	25.7	7.3
18-Sep-17	1150	WW_48	4.6	23.9	7.1
16-Oct-17	1200	WW_48	3.7	17.6	7.2
20-Nov-17	1200	WW_48	7.6	9.4	7.1
18-Dec-17	1215	WW_48	8.7	5.7	7.4
23-Jan-17	1050	WW_56	4.6	5.6	7.8
27-Feb-17	1200	WW_56	11.1	7.4	7.9
27-Mar-17	920	WW_56	11.1	10.4	7.5
24-Apr-17	930	WW_56	10.4	16.0	7.5
22-May-17	1120	WW_56	8.3	18.2	7.8
26-Jun-17	1055	WW_56	7.8	22.1	8.0
31-Jul-17	1125	WW_56	8.9	25.8	7.9
28-Aug-17	1135	WW_56	8.3	23.6	7.8
25-Sep-17	1145	WW_56	8.1	26.2	7.9
23-Oct-17	1235	WW_56	7.0	16.9	7.5
27-Nov-17	1140	WW_56	9.7	7.8	7.4
23-Jan-17	1140	WW_57	10.2	5.1	7.7

27-Feb-17	1115	WW_57	12.0	7.0	8.0
27-Mar-17	1130	WW_57	9.2	11.8	7.6
24-Apr-17	1145	WW_57	8.4	14.8	7.8
22-May-17	1150	WW_57	6.4	16.1	7.6
26-Jun-17	1115	WW_57	4.4	22.4	8.0
31-Jul-17	1150	WW_57	7.6	26.2	7.6
28-Aug-17	1205	WW_57	8.6	23.4	7.6
25-Sep-17	1215	WW_57	8.8	26.8	7.8
23-Oct-17	1140	WW_57	7.4	14.8	7.6
27-Nov-17	1205	WW_57	9.0	7.4	7.4
23-Jan-17	1110	WW_59	8.8	6.9	7.3
27-Feb-17	1040	WW_59	9.0	8.3	7.5
27-Mar-17	955	WW_59	8.5	11.0	7.1
24-Apr-17	1040	WW_59	8.1	14.7	7.2
22-May-17	1025	WW_59	6.2	16.7	7.1
26-Jun-17	1000	WW_59	5.9	21.4	7.5
31-Jul-17	1030	WW_59	7.3	25.5	7.3
28-Aug-17	1040	WW_59	6.8	23.2	7.2
25-Sep-17	1040	WW_59	7.1	25.7	7.3
23-Oct-17	1050	WW_59	6.5	17.0	7.2
27-Nov-17	1050	WW_59	7.7	9.6	7.0
9-Jan-17	1150	WW_73	8.0	6.7	7.2
14-Feb-17	1225	WW_73	7.9	10.0	7.5
13-Mar-17	1150	WW_73	6.5	8.5	8.6
10-Apr-17	1200	WW_73	5.7	14.1	7.6
8-May-17	1140	WW_73	6.8	14.0	7.3
12-Jun-17	1140	WW_73	5.8	24.3	7.2
17-Jul-17	1230	WW_73	6.5	22.1	7.3
14-Aug-17	1115	WW_73	6.4	22.6	7.3
11-Sep-17	1205	WW_73	5.8	21.3	7.5
9-Oct-17	1220	WW_73	6.8	21.4	7.7
13-Nov-17	1200	WW_73	7.3	13.7	7.0
17-Jan-17	845	WW_75	10.2	4.0	7.2
21-Feb-17	820	WW_75	6.3	9.2	7.0
20-Mar-17	840	WW_75	5.9	7.7	7.1
17-Apr-17	825	WW_75	5.5	14.5	7.1
15-May-17	845	WW_75	3.9	16.2	6.8
19-Jun-17	815	WW_75	2.8	22.6	7.0
24-Jul-17	845	WW_75	3.4	23.7	7.1
21-Aug-17	835	WW_75	4.7	24.9	7.1
18-Sep-17	845	WW_75	5.1	22.3	7.0
16-Oct-17	905	WW_75	2.5	17.1	6.9
20-Nov-17	850	WW_75	6.1	9.2	6.7
18-Dec-17	940	WW_75	8.2	5.1	6.9
23-Jan-17	1210	WW_76	8.2	8.2	7.3
27-Feb-17	1145	WW_76	9.0	9.8	7.5
27-Mar-17	1055	WW_76	8.3	11.2	7.3

24-Apr-17	1120	WW_76	9.4	14.6	7.2
22-May-17	1100	WW_76	6.2	15.8	7.1
26-Jun-17	1030	WW_76	7.3	21.3	7.5
31-Jul-17	1055	WW_76	8.7	25.8	7.3
28-Aug-17	1115	WW_76	7.8	23.0	7.4
25-Sep-17	1115	WW_76	8.3	25.5	7.4
23-Oct-17	1210	WW_76	6.2	14.5	7.0
27-Nov-17	1120	WW_76	8.2	11.6	7.0
5-Sep-17	1200	WW_77	5.1	18.3	7.5
6-Nov-17	1205	WW_77	9.6	7.4	7.5
4-Dec-17	1140	WW_77	11.9	8.3	7.6
3-Jan-17	1230	WW_78	10.3	12.6	7.8
6-Feb-17	1200	WW_78	11.5	11.0	7.6
6-Mar-17	1205	WW_78	9.2	12.5	7.8
3-Apr-17	1215	WW_78	8.5	11.5	7.7
1-May-17	1220	WW_78	9.1	12.1	7.4
5-Jun-17	1250	WW_78	8.0	20.0	7.8
10-Jul-17	1330	WW_78	7.5	22.2	7.5
7-Aug-17	1255	WW_78	7.8	21.8	7.7
5-Sep-17	1225	WW_78	5.8	21.0	7.5
2-Oct-17	1235	WW_78	7.7	21.1	7.6
6-Nov-17	1230	WW_78	8.8	16.3	7.3
4-Dec-17	1220	WW_78	9.2	15.7	7.1
6-Mar-17	850	WW_79	8.4	8.4	7.7
3-Apr-17	910	WW_79	8.0	9.3	7.2
1-May-17	915	WW_79	9.1	9.9	7.2
5-Jun-17	940	WW_79	7.6	25.3	7.5
10-Jul-17	1015	WW_79	4.3	23.8	7.2
7-Aug-17	955	WW_79	6.2	22.4	7.5
5-Sep-17	915	WW_79	5.7	20.0	7.3
2-Oct-17	930	WW_79	5.9	18.3	7.5
6-Nov-17	940	WW_79	8.7	6.7	7.2
4-Dec-17	915	WW_79	12.6	8.5	7.2
23-Jan-17	950	WW_86	8.2	9.5	7.2
27-Feb-17	930	WW_86	9.4	8.4	7.7
27-Mar-17	1035	WW_86	7.1	12.1	7.4
24-Apr-17	1105	WW_86	8.2	15.7	7.5
22-May-17	1000	WW_86	7.1	16.5	7.0
26-Jun-17	940	WW_86	4.7	20.3	7.4
31-Jul-17	950	WW_86	6.7	25.5	7.4
28-Aug-17	940	WW_86	5.4	23.2	7.1
25-Sep-17	1050	WW_86	6.0	25.5	7.3
23-Oct-17	1015	WW_86	7.0	17.3	7.3
27-Nov-17	1150	WW_86	8.9	12.3	7.2
3-Jan-17	1030	WW_91	12.0	3.4	8.2
6-Feb-17	1000	WW_91	2.8	2.2	7.9
6-Mar-17	945	WW_91	11.0	7.4	7.8

3-Apr-17	1045	WW_91	7.4	9.0	7.6	
1-May-17	1040	WW_91	7.7	10.8	7.2	
5-Jun-17	1125	WW_91	9.9	24.4	7.9	
10-Jul-17	1040	WW_91	6.6	25.0	7.6	
7-Aug-17	1110	WW_91	7.5	23.0	7.7	
5-Sep-17	1115	WW_91	9.1	20.5	7.8	
2-Oct-17	1215	WW_91	9.6	19.2	7.9	
6-Nov-17	1120	WW_91	9.0	10.0	7.4	
4-Dec-17	1115	WW_91	12.7	8.1	7.9	
9-Jan-17	1305	WW_92	8.7	5.5	7.5	
17-Jan-17	1250	WW_92	9.2	6.6	7.2	
23-Jan-17	1245	WW_92	7.8	7.1	7.5	
30-Jan-17	925	WW_92	8.1	6.7	7.2	
6-Feb-17	1030	WW_92	8.4	6.0	7.5	
14-Feb-17	915	WW_92	7.5	7.8	7.2	
21-Feb-17	1100	WW_92	7.4	10.9	7.6	
27-Feb-17	1155	WW_92	5.5	10.5	7.8	
6-Mar-17	1015	WW_92	8.9	9.4	7.5	
13-Mar-17	1255	WW_92	6.7	10.0	7.9	
20-Mar-17	1140	WW_92	6.8	9.9	7.4	
27-Mar-17	1300	WW_92	7.0	12.1	7.4	
3-Apr-17	1100	WW_92	7.2	10.4	7.4	
10-Apr-17	930	WW_92	7.5	13.2	7.1	
17-Apr-17	1125	WW_92	5.9	16.9	7.3	
24-Apr-17	1310	WW_92	6.3	18.4	7.5	
8-May-17	920	WW_92	6.7	14.0	7.1	
15-May-17	1130	WW_92	4.3	18.1	7.3	
22-May-17	1250	WW_92	4.2	17.3	6.9	
30-May-17	930	WW_92	5.1	19.0	6.8	
5-Jun-17	1150	WW_92	4.6	21.6	7.4	
12-Jun-17	1325	WW_92	4.5	24.9	7.6	
19-Jun-17	1155	WW_92	3.2	23.6	7.2	
26-Jun-17	1135	WW_92	3.6	22.4	7.4	
3-Jul-17	850	WW_92	4.7	22.9	7.0	
10-Jul-17	1100	WW_92	5.5	24.7	7.3	
17-Jul-17	1345	WW_92	4.7	23.9	7.2	
31-Jul-17	1310	WW_92	5.6	25.4	7.2	
7-Aug-17	1130	WW_92	4.1	23.9	7.4	
14-Aug-17	1015	WW_92	4.1	24.7	7.0	
21-Aug-17	1100	WW_92	4.6	15.4	T/X	C
28-Aug-17	1140	WW_92	4.4	24.0	7.4	
5-Sep-17	1135	WW_92	5.1	22.3	7.3	
11-Sep-17	1030	WW_92	5.6	21.6	7.2	
18-Sep-17	1245	WW_92	4.5	20.3	7.3	
25-Sep-17	1255	WW_92	5.3	25.7	7.3	
2-Oct-17	1235	WW_92	5.0	22.2	7.5	
9-Oct-17	1330	WW_92	4.5	21.1	7.3	

30-Oct-17	1025	WW_92	7.1	13.1	7.0
6-Nov-17	1145	WW_92	6.0	13.6	7.1
13-Nov-17	1305	WW_92	6.1	10.5	7.3
20-Nov-17	1230	WW_92	7.2	10.1	7.2
27-Nov-17	925	WW_92	6.4	10.5	7.0
4-Dec-17	1135	WW_92	6.9	10.5	7.5
11-Dec-17	1310	WW_92	8.0	7.4	7.4
18-Dec-17	1145	WW_92	8.2	6.3	7.2
14-Feb-17	1150	WW_96	9.5	4.6	8.3
13-Mar-17	1120	WW_96	5.7	3.3	8.3
10-Apr-17	1115	WW_96	8.3	14.5	7.8
8-May-17	1110	WW_96	8.8	12.3	7.6
12-Jun-17	1105	WW_96	7.7	21.3	7.2
17-Jul-17	1155	WW_96	4.9	21.5	7.2
14-Aug-17	1045	WW_96	7.3	21.4	7.3
11-Sep-17	1140	WW_96	9.5	17.9	7.5
9-Oct-17	1150	WW_96	6.1	19.8	7.3
13-Nov-17	1135	WW_96	6.7	5.7	7.3
11-Dec-17	1140	WW_96	13.6	1.1	7.2
17-Jan-17	1125	WW_99	7.8	6.5	7.2
21-Feb-17	1010	WW_99	0.0	9.5	7.2
20-Mar-17	1030	WW_99	9.8	7.3	7.5
17-Apr-17	1015	WW_99	3.7	15.7	7.3
15-May-17	1030	WW_99	1.2	17.8	7.0
19-Jun-17	1050	WW_99	2.0	23.1	7.1
24-Jul-17	1040	WW_99	2.4	23.5	7.1
21-Aug-17	1020	WW_99	3.7	24.9	7.2
18-Sep-17	1125	WW_99	4.1	22.3	7.1
16-Oct-17	1055	WW_99	0.0	16.2	7.1
20-Nov-17	1105	WW_99	6.2	8.5	6.9
18-Dec-17	1045	WW_99	16.2	3.2	7.8

Reporting Limits

* 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.

Qualification Codes

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.
AH= Regulatory limit exceedance, result not confirmed
AI= Regulatory limit exceedance, confirmed but not within 20% highest result reported
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
AM= High results not found historically for this sample point. Sampling point resampled on XX-XXX-XXXX.
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
AAB=	Result greater than IL WW standard; no sample remaining to confirm result.
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.
AAH=	LCS failed higher than the recovery limits and there are hits found in sample for alpha BHC
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
ABI=	Field Blank not included with sample
ABJ=	Technician lacked DOC and no cosigner was used
AGG=	Compromised sample.

NO2+NO3 mg/L	NO2+NO3 Qual code	Total Ammonia Nitrogen mg/L	Total Ammonia Nitrogen Qual code	TKN mg/L	TKN Qual code	Total Phosphorus mg/L	Total Phosphorus Qual code	SO4 mg/L
4.10		0.7		1		0.59		40
6.47		0.7		2		0.96		50
6.38		0.8		2		0.84		54
1.72		0.2		<1		0.19		34
4.04	X	0.1		<1		0.12		26
0.83		0.3		<1		0.22		25
0.29		0.3		<1		<0.10		**22**
1.34		0.2		<1		0.16		23
0.50		0.1		<1		0.10		T/X
1.40		0.5		T/X	ABF	0.18		24
<0.15		0.3		<1		0.25		32
3.09		0.2		<1		0.35		34
8.36		1.1		2		1.36		50
8.71		0.8		2		1.31		58
7.36		0.8		2		0.99		58
5.18		0.8		1		0.57		61
3.39		0.2		1		0.34		46
2.63		0.5		1		0.61		34
1.16		<0.1		<1		0.30		26
2.48		0.2		<1		0.33		29
4.10		0.3		<1		0.71		T/X
1.91		0.6		2		0.35		28
6.38		1.1		2		1.22		49
7.96		0.5		1		1.11		50
6.07		0.2		1		1.00		76
9.87		0.2		1		1.60		96
5.03		0.2		<1		0.59		77
1.76		<0.1		**<1**	X	0.26		54
1.02		0.2		1		0.31		35
6.02		<0.1		<1		1.08		82
7.44		0.1		1		1.54		78
3.82		<0.1		<1		0.74		67
7.52		<0.1		<1		1.55		T/X
12.76		<0.1		1		2.73		T/X
3.83		0.1		<1		0.66		65
11.23		<0.1		<1		1.90		88
1.00		0.7		2		0.10		78
0.66	B	**0.1**	B	**1**	B	**0.13**	B	88
2.48		0.1		1		0.11		84
0.56		<0.1		2		0.14		20
0.45		0.3		1		0.11		65
0.40		0.2		2		0.21		22

0.50		0.6	2		0.19	42
0.53		0.5	2		0.29	T/X
<0.15		1.7	4		1.18	T/X
0.48		0.2	2		0.10	70
0.60		0.7	2		0.11	73
10.16		2.0	4		1.96	68
10.02		1.7	4		2.67	75
8.66		0.7	2		1.38	75
5.37		0.8	2		0.67	63
1.17		0.1	1		0.26	23
0.19		<0.1	<1		0.23	34
8.41		0.3	2		1.81	49
7.40		0.3	1		1.27	47
11.67		0.4	2		2.91	T/X
18.40		0.2	2		3.58	T/X
7.57		0.2	1		1.24	60
15.07		0.2	1		2.62	69
0.33		<0.1	<1		<0.10	30
<0.15		<0.1	1		0.15	49
0.59		0.6	1		0.16	47
0.18		0.2	<1		0.18	31
0.16		<0.1	<1		<0.10	21
0.23		0.1	<1		<0.10	22
0.21		0.1	<1		0.10	22
0.20		<0.1	<1		<0.10	T/X
0.35		0.2	<1		0.10	22
0.20		1.4	2		0.32	**26**
0.23		0.3	<1		0.10	33
0.73		0.1	<1		<0.10	27
0.15		0.2	<1		<0.10	39
0.91		<0.1	<1		0.12	**35**
0.46		0.1	<1		0.14	17
9.10		0.2	1		2.31	65
0.21		<0.1	<1		0.12	18
<0.15		<0.1	<1		<0.10	19
7.53		0.2	1		1.42	65
11.10		<0.1	**1**	X	**2.21**	X 86
8.15		0.2	1		1.30	77
3.56		<0.1	<1		0.40	58
0.68		0.3	1		0.21	40
16.01		<0.1	1		3.15	97
6.97		0.2	1		1.55	47
9.98		<0.1	<1		2.26	73
12.12	X	0.1	1		3.80	T/X
16.14	X	0.2	1		4.63	70
4.63		<0.1	<1		0.71	62
11.09		<0.1	<1		2.47	77

4.96		0.2		1		0.37	64
4.76		<0.1		1		0.45	75
3.41		0.2		1		0.30	55
1.75		<0.1		<1		0.18	42
1.05		0.1		1		0.21	28
4.92		<0.1		1		0.52	63
4.15		0.1		1		0.55	44
2.05		<0.1		<1		0.33	33
5.91		<0.1		<1		0.47	T/X
12.05		0.1		1		0.98	T/X
3.30		<0.1		<1		0.23	65
6.21		<0.1		<1		0.52	71
4.88		0.2		1		0.46	65
5.73		0.1		1		0.65	77
3.39		0.2		<1		0.33	63
1.65		<0.1		<1		0.21	46
1.12		0.2		1		0.25	32
5.15		<0.1		<1		0.65	75
4.60		<0.1		1		0.74	52
2.49		<0.1		<1		0.41	42
5.41		<0.1		**<1**	X	0.77	T/X
11.44		<0.1		1		1.37	T/X
3.47		<0.1		<1		0.39	60
7.18		<0.1		<1		0.76	79
4.86		0.2		1		0.42	63
3.40		0.3		<1		0.33	64
1.67		<0.1		<1		0.19	47
1.10		0.8		2		0.30	33
4.92		<0.1		<1		0.57	90
5.00		<0.1		1		0.71	56
2.68		<0.1		<1		0.42	101
4.98		<0.1		<1		0.68	T/X
9.53		<0.1		<1		1.15	T/X
3.49		0.1		<1		0.43	64
7.10		<0.1		<1		0.72	86
9.86		4.1		6		2.57	50
9.95		1.5		3		1.94	56
9.72		3.3		5		2.01	57
8.27		1.1		2		0.84	62
9.09		1.6		2		1.47	61
7.22		1.7		3		1.71	46
5.91		0.4		1		1.03	39
8.09		1.0		1		1.77	40
4.50		0.5		1		1.35	T/X
8.86	B	**0.9**	B	1		1.74	41
6.88		0.1		<1		1.16	48
8.99		1.0		2		1.87	55

4.46	1.1	2		0.80	44
9.00	0.3	2		1.94	83
6.98	1.4	3		0.63	75
5.39	0.3	1		0.27	59
4.98	0.6	2		0.36	59
3.16	1.1	2		0.26	44
2.56	0.3	1		0.42	33
5.36	0.3	**1**	X	0.51	70
6.35	0.8	1		0.32	T/X
3.98	0.7	2		0.46	51
5.83	0.2	<1		0.39	64
9.18	0.5	1		0.78	78
2.85	0.2	1		0.68	66
2.67	5.7	**1**	X	1.93	158
2.84	0.5	1		0.89	101
2.65	0.1	<1		0.50	118
2.82	0.5	1		1.11	113
2.48	0.6	2		1.09	135
2.09	0.1	<1		0.81	75
3.10	0.1	1		1.66	102
2.26	0.1	<1		0.82	T/X
3.29	0.3	1		1.08	105
3.31	0.2	<1		1.21	105
4.87	0.7	2		0.77	76
6.76	0.4	1		1.34	110
4.33	0.4	2		0.65	99
4.23	0.4	1		0.58	83
4.39	0.4	1		0.47	71
3.12	0.8	2		0.39	65
2.17	0.4	2		0.41	37
1.61	0.3	1		0.74	68
5.30	0.5	<1		0.84	T/X
2.32	0.5	2		0.34	58
3.11	0.2	<1		0.48	56
6.75	0.3	<1		0.77	122
2.89	0.6	1		0.14	100
2.58	0.5	<1		<0.10	85
2.47	<0.1	<1		<0.10	88
2.95	<0.1	<1		0.12	96
2.15	0.1	<1		<0.10	91
1.45	0.2	<1		0.14	58
1.09	0.2	<1		0.14	45
1.86	<0.1	<1		0.15	65
1.17	<0.1	<1		0.12	T/X
2.02	0.3	<1		0.12	80
2.81	0.2	<1		0.13	84
1.72	0.2	1		0.31	92

4.10	0.3	<1		0.66		386
1.31	0.1	<1		0.34		78
2.95	<0.1	<1		0.52		303
2.31	0.3	1		0.39		177
2.20	0.1	2		0.90		196
2.86	<0.1	<1		0.78		136
3.18	0.2	1		0.87		122
2.68	0.1	<1		0.80		T/X
2.15	<0.1	1		0.54		180
3.43	0.1	<1		0.50		287
3.44	0.3	1		0.35		83
3.76	0.5	1		1.20		144
2.55	0.2	<1		0.46		**89**
3.00	0.2	**<1**	X	**0.54**	X	107
2.66	0.6	1		0.61		117
2.38	0.5	1		0.89		72
2.41	0.2	<1		0.82		72
3.32	0.3	<1		1.67		127
2.73	0.2	<1		1.22		T/X
3.06	0.3	<1		0.67		98
5.53	0.2	<1		0.79		139
10.91	1.7	3		1.88		53
8.65	1.3	2		1.48		58
9.06	1.2	2		1.41		59
6.51	1.5	**2**	X	**0.65**	X	60
8.01	0.4	1		0.93		57
7.19	0.8	1		1.37		49
3.02	0.3	<1		0.61		28
6.55	0.4	1		1.17		39
4.76	0.2	1		1.00		T/X
4.87	0.2	<1		0.43		33
9.45	1.0	2		1.24		57
4.36	0.8	2		0.87		42
6.89	1.0	2		0.93		57
7.83	1.3	3		1.31		57
4.08	0.5	1		0.42		55
2.56	0.6	1		0.42		33
2.54	0.6	1		0.46		32
1.49	0.2	<1		0.44		23
3.08	0.6	1		0.60		33
3.84	0.4	<1		0.44		T/X
2.00	0.8	2		0.28		32
6.06	0.5	1		0.92		52
7.81	0.4	1		0.99		51
5.02	0.3	1		0.34		84
5.98	0.5	1		1.40		102
3.94	0.1	<1		0.35		73

3.46		0.2		1	0.54	83
3.29		0.4		1	0.39	75
2.81		0.3		1	0.65	70
2.68		0.2		<1	0.85	66
3.33		0.3		1	0.86	74
2.24		<0.1		<1	0.73	T/X
4.55		0.2		1	1.08	**82**
6.32		0.2		<1	0.87	81
<0.15		0.2		1	<0.10	T/X
0.47		<0.1		<1	<0.10	40
0.28		0.1		<1	0.12	81
7.60		0.2		1	0.36	77
7.49		0.2		1	0.33	97
6.33		0.1		1	0.22	81
4.22		1.8		2	0.15	72
2.12		0.1		<1	0.15	30
5.97		0.2		1	0.25	93
9.24		0.3		2	0.71	69
6.56		0.2		<1	0.31	89
7.83		0.2		1	0.81	T/X
8.29		0.3		1	1.24	T/X
5.83		<0.1		<1	0.20	66
7.80		0.1		1	0.37	94
0.39		<0.1		<1	0.11	80
1.03		<0.1		<1	0.14	63
0.41		<0.1		<1	0.16	23
<0.15		<0.1		1	0.12	81
<0.15		0.2		1	0.16	50
<0.15		<0.1		<1	<0.10	43
<0.15		<0.1		<1	<0.10	T/X
<0.15		<0.1		1	0.13	T/X
0.66		0.2		<1	0.10	64
<0.15		<0.1		<1	0.10	90
6.22		0.3		1	0.31	131
7.18		0.9		2	0.31	**142**
4.52		0.1		<1	0.21	**92**
4.36		0.5		1	0.22	112
6.21		<0.1		<1	0.19	121
5.00		0.1		<1	0.35	107
3.70		<0.1		<1	0.34	82
4.04		<0.1		<1	0.31	78
3.90	X	**0.1**	X	<1	0.23	T/X
4.36		0.2		1	0.35	80
8.09		<0.1		<1	0.33	202
4.46		0.2		1	0.49	63
5.26		<0.1		1	0.56	72
3.07		0.2		<1	0.34	62

1.72		<0.1		<1		0.25		48
1.18		0.5		1		0.38		29
4.44		<0.1		<1		0.47		85
4.10		<0.1		<1		0.56		54
2.50		<0.1		<1		0.36		45
3.67		<0.1		<1		0.47		T/X
8.51		<0.1		<1		0.86		T/X
3.53		<0.1		<1		0.29		56
5.99		<0.1		<1		0.52		77
5.98		0.3		1		0.47		98
4.78		0.6		2		0.68		85
3.22		0.9		2		0.38		63
4.16		0.8		2		0.59		84
6.28		0.5		**2**	X	**1.05**	X	121
5.70		1.1		2		0.74		84
5.88		0.6		1		0.84		**113**
6.81		0.9		2		1.44		100
4.97		0.6		1		0.50		82
4.28		0.4		1		0.42		103
4.17		0.6		**2**	X	1.16		99
5.52		1.0		2		0.46		92
3.67		0.3		<1		0.31		67
4.13		0.5		1		0.38		66
5.38		0.7		1		0.65		86
4.80		0.4		1		0.57		103
4.53		0.4		1		0.30		82
3.66		0.5		1		0.35		68
3.85		0.5		1		0.49		86
5.18		0.4		1		0.46		64
4.61		0.5		1		0.75		92
4.59		1.0		2		1.08		92
3.93		1.5		2		0.67		87
2.91		1.2		2		0.50		75
4.03		0.9		2		0.64		63
3.29		0.3		1		0.52		75
2.72		0.3		1		0.39		53
3.11		0.1		<1		0.50		69
3.12		0.3		<1		0.48		66
3.70		0.3		<1		0.50		67
3.85		0.3		1		0.56		70
3.56	X	**0.7**	X	1		0.88		96
4.42		0.3		<1		0.60		T/X
4.30		0.2		1		0.71		T/X
5.22		0.3		<1		0.90		T/X
4.71		0.4		1		0.68		T/X
4.32		0.2		<1		0.78		76
5.81		0.5		1		0.71		87

3.67		0.2	<1	**0.29**	X	136
4.07		0.5	1	0.30		79
5.23		0.3	<1	0.66		95
3.35		0.2	1	0.57		77
4.88		0.2	<1	0.55		95
6.41		0.2	1	0.72		103
6.58		0.5	1	0.86		101
6.18		0.2	<1	0.95		131
3.99		<0.1	<1	0.41		69
4.07		<0.1	1	0.41		67
1.51		0.2	<1	0.20		53
1.62		0.1	<1	0.20		44
8.62		<0.1	<1	0.59		62
0.58	X	<0.1	<1	0.27		23
2.73		<0.1	<1	0.30		40
8.29		<0.1	<1	0.39		T/X
4.75		0.1	<1	0.43		34
4.98		0.1	<1	0.65		59
9.78		<0.1	<1	0.51		64
0.56		4.2	7	1.11		34
0.79		1.8	3	0.63		44
3.49		1.2	3	0.59		54
2.47		1.3	2	0.33		55
0.19		1.3	3	0.42		34
0.79		1.6	3	0.51		32
0.38		1.4	3	0.54		27
2.19		1.3	2	0.31		34
3.04		0.7	2	0.34		T/X
1.54		2.0	5	0.47		56
7.94		0.7	2	0.75		**52**
5.11		<0.1	2	0.63		52
0.15		0.1	1	0.10		5

SO4 Qual code	TDS mg/L	TDS Qual code	SS mg/L	SS Qual code	VSS mg/L	VSS Qual code	Alkalinity mg/L	Alkalinity Qual code	CL mg/L
	500		<4		<4		127		172
	482		5		<4		154		137
	942		8		<4		162		424
	352		6		<4		152		81
	252		6		<4		133		44
	T/X	ABB	7		<4		117		36
X	220		6		<4		109		17
	218		5		<4		106		**31**
AW	136		8		<4		110		14
	182		14		<4		83		36
	262		<4		<4		118		50
	320		4		<4		130		74
	668		14		5		141		235
	560		6		<4		164		167
	1180		10		<4		172		573
	658		16		4		218		190
	502		8		<4		197		122
	354		18		4		143		83
	328		13		<4		140		47
	270		7		<4		115		**49**
AW	240		9		<4		120		48
	248		19		6		89		54
	452		8		4		145		113
	530		8		<4		150		158
	888		12		<4		218		366
	834		13		<4		192		287
	860		9		<4		223		290
	706		70		12		178		249
	386		58		10		132		112
	642		12		<4		183		176
	550		24		5		131		137
	468		13		<4		155		115
AW	536		9		<4		135		137
AW	784		13		<4		140		158
	416		8		<4		168		109
	590		<4		<4		188		157
	1022		13		4		272		367
	1066		10		5		293		388
	792		13		6		254		247
	222		70		14		101		52
	984		4		<4		289		342
	372		24		9		96		119

	730	7		<4	268	240
AW	444	14		5	138	146
AW	502	24		16	280	<5
	512	20		8	198	140
	610	17		5	228	183
	754	29		7	205	242
	690	93		16	186	213
	774	19		5	221	240
	694	32		16	227	210
	268	39		8	118	67
	244	47		9	124	56
	496	43		10	117	118
	496	20		7	181	105
AW	490	12		<4	121	109
AW	582	19		4	97	102
	440	24		6	173	101
	532	41		6	155	122
	214	12		<4	118	28
	354	13		7	145	85
	410	45		7	179	134
	260	18		8	129	52
	168	16		<4	101	14
	146	16		<4	110	19
	176	T/X	AAJ	T/X	106	14
AW	202	12		<4	105	13
	166	12		<4	111	17
X	302	4		<4	144	53
	236	9		<4	140	37
	986	12		6	167	12
	1126	13		6	166	527
X	878	14		4	178	375
	374	54		12	113	146
	588	12		<4	145	122
	390	27		9	76	127
	366	<4		<4	130	132
	842	7		<4	173	312
	738	9		<4	154	255
	816	10		<4	185	293
	682	23		5	179	241
	478	25		7	155	154
	650	4		<4	149	169
	472	25		6	116	125
	558	6		<4	145	142
AW	596	4		<4	132	135
	632	7		<4	115	122
	482	10		<4	162	114
	562	4		<4	160	139

	682	22		5	227	241
	696	19		4	227	214
	674	28		8	216	179
	522	34		6	192	149
	370	34		6	146	104
	628	31		6	245	179
	470	60		9	157	116
	370	21		4	167	75
AW	586	10		<4	193	153
AW	784	8		<4	171	**173**
	452	8		<4	191	113
	574	5		<4	232	150
	736	14		<4	224	269
	742	14		<4	218	230
	644	27		5	216	201
	574	41		7	190	182
	382	46		8	138	113
	632	11		<4	211	168
	552	29		6	186	128
	412	21		4	183	100
AW	572	5		<4	163	147
AW	762	8		<4	162	168
	464	9		<4	177	114
	532	4		<4	220	154
	740	12		<4	225	265
	648	22		5	217	209
	614	47		8	190	189
	382	51		11	141	111
	664	15		4	220	175
	548	17		<4	166	120
	466	22		5	216	124
AW	574	11		<4	172	150
AW	740	25		10	161	161
	380	15		<4	165	109
	540	5		<4	221	151
	466	8		5	146	129
	550	5		4	156	157
	534	6		5	170	151
	658	7		<4	218	**T/X**
	614	6		<4	200	174
	450	9		4	137	107
	348	9		<4	147	88
	382	T/X	AAJ	T/X	128	88
AW	304	9		<4	115	58
	406	4		<4	98	88
	556	8		4	135	158
	438	7		<4	140	116

	596	15	11	124		245
	606	4	<4	154		169
	698	7	4	199		242
	570	6	<4	189		160
	514	5	<4	170		139
	362	4	<4	123		91
	416	7	<4	132		70
	424	7	<4	126		**91**
AW	420	8	<4	134		87
	364	14	5	120		85
	480	5	<4	153		113
	520	4	<4	**145**	ABJ	**128**
	548	39	8	164		170
	734	12	<4	210		184
	646	20	4	201		183
	646	17	4	210		155
	646	35	6	199		140
	598	18	<4	148		118
	494	9	4	130		77
	430	20	5	135		90
AW	404	10	<4	122		68
	466	23	4	151		99
	542	8	<4	195		111
	720	45	11	139		259
	646	9	<4	175		167
	864	66	9	191		327
	624	20	4	197		165
	608	12	<4	124		136
	488	26	5	149		107
	400	13	<4	111		60
	390	10	6	139		**83**
AW	458	10	<4	130		83
	264	27	6	92		55
	366	28	5	116		72
	644	7	<4	T/X	D	155
	558	31	5	149		82
	442	14	<4	150		109
	516	12	<4	167		136
	548	10	<4	176		135
	560	10	<4	174		153
	400	11	<4	117		81
	364	10	<4	117		53
	314	11	<4	125		57
AW	268	6	<4	113		**42**
	338	8	<4	125		60
	448	5	<4	162		99
	566	47	7	171		145

	1176	9		<4	261		242
	552	120		20	181		152
	982	17		<4	267		176
	708	22		5	220		151
	754	24		10	151		120
	628	12		6	166		98
	500	12		<4	153		97
AW	454	14		<4	126		66
	434	135		15	94		61
	814	11		<4	218		112
	648	43		6	73		69
	668	15		<4	187		165
X	584	24		4	179		173
	600	17		4	203		153
	618	13		<4	186		145
	514	13		<4	135		102
	444	10		<4	132		79
	502	16		<4	157		105
AW	376	6		<4	129		71
	406	26		5	138		80
	588	7		<4	180		110
	550	10		<4	152		166
	630	9		<4	170		183
	578	8		<4	181		173
	646	24		5	238		214
	628	12		4	210		182
	516	5		<4	145		130
	282	24		4	129		72
	384	T/X	AAJ	T/X	129		87
AW	348	7		<4	118		69
	308	7		<4	97		76
	528	8		<4	159		140
	646	37		15	126		250
	580	7		<4	175		175
	826	6		<4	182		344
	622	8		<4	208		174
	372	7		<4	146		96
	380	9		<4	125		89
	328	9		<4	112		41
	290	9		<4	121		**58**
AW	258	10		<4	119		48
	244	15		<4	96		58
	472	11		<4	149		122
	458	10		<4	**153**	ABJ	**118**
	694	7		<4	197		187
	582	7		<4	190		150
	532	7		<4	171		158

	564	17	7	197	145
	570	6	<4	191	147
	478	9	<4	137	100
	476	6	<4	141	84
	404	10	<4	148	89
AW	340	8	<4	124	63
X	394	9	<4	92	109
	524	4	<4	168	110
AW	472	13	<4	118	141
	428	20	4	143	131
	880	40	7	280	325
	750	4	<4	225	253
	784	<4	<4	206	252
	724	<4	<4	239	204
	770	5	<4	286	224
	398	23	6	159	114
	728	<4	<4	193	167
	526	11	<4	134	150
	622	<4	<4	207	166
AW	620	<4	<4	167	147
AW	758	<4	<4	169	150
	508	<4	<4	195	120
	562	4	<4	197	160
	944	18	4	235	352
	752	48	10	209	261
	282	82	12	111	81
	766	25	8	215	258
	570	40	10	150	192
	440	14	<4	157	139
AW	568	10	<4	140	195
AW	590	26	11	139	165
	474	27	6	182	135
	662	12	<4	229	194
	702	13	4	147	90
X	634	13	4	185	135
X	524	15	5	188	119
	578	13	4	187	125
	660	6	<4	198	138
	498	15	5	135	82
	498	15	4	140	74
	374	7	<4	131	71
AW	374	12	4	127	63
	390	7	<4	110	104
	736	5	<4	210	136
	800	12	<4	218	279
	708	25	5	211	221
	676	24	4	217	215

	596	97		19	185	198
	326	69		12	128	93
	650	8		<4	223	176
	558	7		<4	187	137
	436	7		<4	189	117
AW	518	5		<4	166	136
AW	746	9		<4	172	174
	452	13		<4	154	106
	608	6		<4	232	151
	776	15		<4	170	260
	772	25		4	150	280
	574	32		7	135	204
	610	14		<4	185	214
	766	9		<4	193	221
	618	13		<4	175	176
X	660	10		<4	176	179
	656	6		<4	180	185
	568	28		5	183	153
	650	10		<4	184	179
	1094	25		6	195	446
	756	14		<4	193	256
	534	35		9	166	144
	492	28		6	181	142
	692	13		<4	207	184
	644	6		<4	207	175
	614	13		5	212	161
	528	10		<4	176	122
	594	10		<4	184	147
	518	8		<4	157	126
	542	13		<4	174	145
	560	4		<4	154	132
	596	13		5	173	133
	478	11		<4	132	109
	454	6		<4	131	103
	480	17		5	110	**79**
	418	8		<4	125	77
	504	8		<4	67	85
	386	14		<4	128	85
	420	T/X	AAJ	T/X	129	86
	428	6		<4	125	**90**
	422	8		<4	151	94
AW	438	5		<4	130	92
AW	478	9		<4	125	92
AW	396	9		<4	128	81
AW	416	7		<4	124	76
	474	10		<4	121	76
	456	14		<4	138	95

	456	13		<4	152		95
	398	41		38	151		97
	524	13		<4	158		114
	418	27		6	124		89
	556	17		4	185		124
	582	52		9	177		129
	578	5		<4	196		147
	670	8		<4	**178**	ABJ	**151**
	920	11		4	228		333
	842	9		<4	249		306
	602	25		4	241		201
	528	10		<4	214		155
	762	5		<4	171		241
	262	18		<4	124		64
	452	T/X	AAJ	T/X	163		122
AW	592	4		<4	145		157
	360	17		<4	113		101
	686	9		<4	214		203
	648	8		<4	209		184
	934	63		34	98		477
	498	11		7	166		168
	782	12		7	178		341
	596	8		<4	217		176
	398	11		7	156		102
	368	15		8	145		94
	336	11		7	129		62
	310	14		8	132		**67**
AW	302	33		11	129		64
	462	22		12	174		123
X	482	5		<4	151		123
	500	22		12	167		136
	60	4			10		10

CL Qual code	F mg/L	F Qual code	TOC mg/L	TOC Qual code	Phenol ug/L	Phenol Qual code	Total Cyanide mg/L	Total Cyanide Qual code
	0.3		3		<5		<0.005	
	0.4		3		<5		<0.005	
	0.4		2		<5		0.006	
	0.2		2		<5		<0.005	
	0.1		2		<5		<0.005	
	0.2		7		<5		<0.005	
	<0.1	XX	1		<5		<0.005	
ABH	0.2		2		<5		<0.005	
	0.1		2		<5		<0.005	
	0.1		3		<5		<0.005	
	0.2		3		<5		<0.005	
	0.3		3		<5		<0.005	
	0.5		4		<5		0.005	
	0.5		3		<5		<0.005	
	0.4		2		<5		0.007	
	0.4		4		<5		<0.005	
	0.3		4		<5		<0.005	
	0.3		4		<5		<0.005	
	0.2		4		<5		<0.005	
ABH	0.2		3		<5		<0.005	
	0.2		3		<5		<0.005	
	0.2		6		<5		<0.005	
	0.4		5		<5		<0.005	
	0.6		4		<5		<0.005	
	0.4		4		<5		<0.005	
	0.4		3		<5		<0.005	
	0.3		2		<5		<0.005	
	0.2		5		<5		<0.005	
	0.1		4		<5		<0.005	
	0.3		7		<5		<0.005	
	0.4		9		<5		<0.005	
	0.3		12		<5		<0.005	
	0.5		12		<5		<0.005	
	0.7		8		<5		<0.005	
	0.2		6		<5		<0.005	
	0.5		9		<5		<0.005	
	0.2		10		<5		0.005	
	0.2		8		<5		0.005	
	0.2		9		<5		<0.005	
	<0.1		7		6		<0.005	
	0.2		10		<5		<0.005	
	0.1		10		<5		<0.005	

0.2	12	<5	<0.005
0.2	13	<5	<0.005
0.5	21	6	<0.005
0.2	11	<5	<0.005
0.2	14	<5	<0.005
0.4	6	<5	<0.005
0.4	5	<5	<0.005
0.4	4	<5	<0.005
0.3	7	<5	<0.005
<0.1	5	<5	<0.005
0.7	2	<5	<0.005
0.3	9	<5	<0.005
0.3	6	<5	<0.005
0.5	7	<5	<0.005
0.6	7	<5	<0.005
0.3	6	<5	<0.005
0.5	7	<5	<0.005
0.2	2	<5	<0.005
0.2	2	<5	<0.005
0.2	4	<5	<0.005
<0.1	3	<5	<0.005
0.1	2	<5	<0.005
<0.1	2	<5	<0.005
0.1	2	<5	<0.005
0.1	2	<5	<0.005
<0.1	2	<5	<0.005
0.1	4	<5	<0.005
0.1	2	<5	<0.005
0.2	4	<5	<0.005
0.2	3	<5	<0.005
0.2	4	<5	<0.005
<0.1	5	<5	<0.005
0.4	7	<5	<0.005
<0.1	6	<5	<0.005
0.2	5	<5	<0.005
0.4	4	<5	<0.005
0.5	3	<5	<0.005
0.3	3	<5	<0.005
0.2	5	<5	<0.005
0.1	5	<5	<0.005
0.6	6	<5	0.006
0.3	6	<5	<0.005
0.5	6	<5	<0.005
0.6	7	<5	0.005
0.8	6	<5	<0.005
0.2	6	<5	<0.005
0.5	6	<5	<0.005

	0.3	5	**<5**	X	<0.005
	0.3	4	<5		<0.005
	0.2	4	<5		<0.005
	0.2	6	<5		<0.005
	0.1	5	<5		<0.005
	0.3	6	<5		<0.005
	0.3	8	<5		<0.005
	0.2	7	<5		<0.005
	0.5	6	<5		<0.005
XX	0.7	5	<5		<0.005
	0.2	5	<5		<0.005
	0.3	6	<5		<0.005
	0.3	5	**<5**	X	<0.005
	0.3	4	<5		<0.005
	0.2	4	<5		<0.005
	0.1	6	<5		<0.005
	<0.1	5	<5		<0.005
	0.3	5	<5		<0.005
	0.3	9	<5		<0.005
	0.2	7	<5		<0.005
	0.4	6	<5		<0.005
	0.6	6	<5		<0.005
	0.2	5	<5		<0.005
	0.3	7	<5		<0.005
	0.3	5	<5		<0.005
	0.2	4	<5		<0.005
	0.2	5	<5		<0.005
	0.2	5	<5		<0.005
	0.3	5	<5		<0.005
	0.3	7	<5		<0.005
	0.2	7	<5		<0.005
	0.4	6	<5		<0.005
	0.7	5	<5		<0.005
	0.2	5	<5		<0.005
	0.3	5	<5		<0.005
	0.6	5	<5		<0.005
	0.6	4	<5		<0.005
	0.6	4	<5		<0.005
ABG	0.5	4	<5		<0.005
	0.5	4	<5		<0.005
	0.5	4	<5		<0.005
	0.3	4	<5		<0.005
	0.7	4	<5		<0.005
	0.4	4	<5		<0.005
	0.4	5	<5		<0.005
	0.4	5	<5		0.006
	0.6	5	<5		<0.005

	0.3	4		<5	0.005
	0.6	4		<5	<0.005
	0.5	4		<5	<0.005
	0.3	4		<5	<0.005
	0.4	4		<5	<0.005
	0.3	5		<5	<0.005
	0.2	4		<5	<0.005
ABH	0.5	3		<5	<0.005
	0.5	5		<5	<0.005
	0.3	T/X	D	<5	<0.005
	0.4	4		5	<0.005
ABJ	0.6	5		<5	0.005
	0.3	5		<5	0.005
	0.5	4		<5	<0.005
	0.4	5		<5	<0.005
	0.5	4		<5	<0.005
	0.4	5		<5	<0.005
	0.4	5		<5	<0.005
	0.4	4		<5	<0.005
	0.4	4		<5	<0.005
	0.4	5		<5	<0.005
	0.4	5		<5	<0.005
	0.5	5		<5	<0.005
	0.4	4		<5	0.005
	0.5	4		<5	<0.005
	0.5	3		<5	<0.005
	0.4	4		<5	<0.005
	0.4	5		<5	<0.005
	0.4	5		<5	<0.005
	0.2	4		<5	<0.005
ABH	0.4	4		<5	<0.005
	0.6	4		<5	<0.005
	0.2	5		<5	<0.005
	0.3	5		<5	<0.005
	0.6	4		<5	<0.005
	0.3	3		<5	<0.005
	0.3	2		<5	<0.005
	0.4	4		<5	<0.005
	0.5	5		<5	<0.005
	0.4	4		<5	<0.005
	0.2	3		<5	<0.005
	0.3	3		<5	<0.005
	0.4	3		<5	<0.005
X	0.3	3		**<5**	B <0.005
	0.3	3		<5	<0.005
	0.4	4		<5	<0.005
	0.3	4		<5	<0.005

	0.9		3	<5	<0.005
	0.3		6	<5	<0.005
	0.5		5	<5	<0.005
	0.4		5	<5	<0.005
	0.5		6	<5	<0.005
	0.4		5	<5	<0.005
	0.4	AE	5	<5	<0.005
	0.4		5	<5	<0.005
	0.3		5	<5	<0.005
	0.4		6	<5	<0.005
	0.3		5	<5	<0.005
	0.4		3	<5	<0.005
	0.4		5	<5	<0.005
	0.4		4	<5	<0.005
	0.4		5	<5	<0.005
	0.3		4	<5	<0.005
	0.4		4	<5	<0.005
	0.5		5	<5	<0.005
	0.4		5	<5	0.001
	0.3		5	<5	<0.005
	0.5		5	<5	<0.005
	0.6		5	<5	<0.005
	0.5		4	<5	<0.005
	0.5		3	<5	<0.005
	0.4		4	<5	<0.005
	0.4		4	<5	<0.005
	0.6		4	<5	<0.005
	0.2		5	<5	<0.005
	0.6		4	<5	<0.005
	0.5		5	<5	<0.005
	0.3		5	<5	<0.005
	0.5		5	<5	<0.005
	0.4		4	<5	0.005
	0.5		3	<5	<0.005
	0.5		2	<5	<0.005
	0.4		4	<5	<0.005
	0.3		4	<5	<0.005
	0.3		4	<5	<0.005
	0.2		4	<5	<0.005
ABH	0.3		3	<5	<0.005
	0.3		3	<5	<0.005
	0.2		5	<5	<0.005
	0.4		4	<5	<0.005
ABJ	0.5		4	<5	<0.005
	0.4		3	<5	0.005
	0.5		3	<5	<0.005
	0.4		4	<5	<0.005

0.5	4	<5		<0.005
0.4	4	<5		<0.005
0.4	4	<5		<0.005
0.4	4	<5		<0.005
0.5	4	<5		<0.005
0.4	4	**<5**	B	<0.005
0.4	5	<5		<0.005
0.5	5	<5		<0.005
0.2	9	<5		<0.005
0.1	4	<5		<0.005
0.2	4	<5		<0.005
0.5	4	<5		<0.005
0.7	3	<5		<0.005
0.5	3	<5		<0.005
0.4	4	<5		<0.005
0.1	4	<5		<0.005
0.6	7	<5		0.003
0.4	7	<5		0.005
0.6	5	<5		<0.005
0.8	6	<5		<0.005
1.1	6	<5		<0.005
0.4	4	<5		<0.005
0.7	5	<5		<0.005
0.2	3	<5		<0.005
0.2	5	<5		<0.005
<0.1	4	<5		<0.005
0.2	8	<5		0.001
0.2	7	<5		<0.005
0.1	7	<5		<0.005
0.2	7	<5		<0.005
0.2	7	<5		<0.005
0.1	6	<5		<0.005
0.1	6	<5		<0.005
0.5	4	<5		0.006
0.5	4	<5		0.006
0.5	5	<5		<0.005
0.5	5	<5		<0.005
0.5	5	<5		<0.005
0.5	4	<5		<0.005
0.5	4	<5		<0.005
0.5	4	<5		<0.005
0.5	4	<5		<0.005
0.4	5	<5		<0.005
0.6	5	<5		<0.005
0.3	4	<5		<0.005
0.3	4	<5		<0.005
0.2	3	<5		<0.005

	0.2	5	<5	<0.005
	0.1	5	<5	<0.005
	0.3	5	<5	<0.005
	0.3	6	<5	<0.005
	0.2	6	<5	<0.005
	0.3	6	<5	<0.005
	0.7	5	<5	<0.005
	0.2	5	<5	<0.005
	0.3	5	<5	<0.005
	0.5	4	<5	<0.005
	0.4	5	<5	<0.005
	0.3	3	<5	<0.005
	0.4	3	<5	0.005
	0.6	3	<5	0.005
	0.5	4	<5	<0.005
	0.5	4	<5	<0.005
	0.5	4	<5	<0.005
	0.4	3	<5	<0.005
	0.4	3	<5	<0.005
	0.5	3	<5	0.006
	0.5	5	<5	<0.005
	0.4	5	<5	<0.005
	0.3	4	<5	<0.005
	0.4	4	<5	<0.005
	0.5	4	<5	<0.005
	0.4	4	<5	<0.005
	0.4	5	<5	<0.005
	0.4	4	<5	<0.005
	0.4	5	<5	<0.005
	0.4	4	<5	<0.005
	0.5	4	<5	<0.005
	0.5	5	<5	<0.005
	0.4	5	<5	<0.005
	0.4	5	<5	<0.005
X	0.4	5	<5	<0.005
	0.3	5	<5	<0.005
	0.3	4	<5	<0.005
	0.4	4	<5	<0.005
	0.5	3	<5	<0.005
ABH	0.5	4	<5	<0.005
	0.4	4	<5	<0.005
	0.5	5	<5	<0.005
	0.5	5	<5	<0.005
	0.5	4	<5	<0.005
	0.5	5	<5	<0.005
	0.5	4	<5	<0.005
	0.5	5	<5	<0.005

	0.3	5		<5	<0.005
	0.3	4		<5	<0.005
	0.4	4		<5	0.005
	0.3	6		<5	<0.005
	0.5	5		<5	<0.005
	0.5	5		<5	<0.005
	0.6	4		<5	<0.005
X, ABJ	0.6	5		<5	<0.005
	0.3	3		<5	<0.005
	0.3	3		<5	<0.005
	0.2	4		7	<0.005
	0.2	5		<5	<0.005
	0.5	4		<5	<0.005
	0.1	7		<5	<0.005
	0.3	5		<5	<0.005
	0.5	5		<5	<0.005
	0.3	6		<5	<0.005
	0.3	5		<5	<0.005
	0.3	4		<5	<0.005
	0.3	12		5	0.020
	0.4	4		<5	<0.005
	0.3	3		<5	<0.005
	0.4	4		<5	<0.005
	0.3	4		<5	<0.005
	0.3	6		<5	<0.005
	0.2	5		<5	<0.005
ABH	0.3	4		<5	<0.005
	0.4	4		<5	<0.005
	0.3	T/X	D	<5	0.007
	0.4	5		<5	<0.005
	0.4	6		<5	<0.005
	0.1	1		5	0.005

Cyanide amenable to chlorination mg/L	Cyanide amenable to chlorination Qual code	FOG mg/L	FOG Qual code	Fecal Coliform CFU/100mL	Fecal Coliform Qual code	Chlorophyll a ug/L
<0.005		-----		2100		1.1
<0.005		-----	-----	170		1.7
<0.005		-----		130		3.3
<0.005		-----		820		2.7
<0.005		-----		5300		1.8
<0.005		-----		8000		1.4
<0.005		-----		910		0.0
<0.005		-----		3600		1.3
<0.005		-----		16000		1.6
<0.005		-----		11000		1.6
<0.005		-----		4200		0.6
<0.005		-----		710		2.1
<0.005		-----		2300		2.4
<0.005		-----	-----	90		6.2
<0.005		-----		20		4.9
<0.005		-----		140		3.7
<0.005		-----		40		9.1
<0.005		-----		4100		1.3
<0.005		-----		3200		2.1
<0.005		-----		2900		1.7
<0.005		-----		680		1.7
<0.005		-----		110000		4.7
<0.005		-----		56000		0.7
<0.005		-----		320		3.3
<0.005		-----		710		4.8
<0.005		-----	-----	550		8.8
<0.005		-----		560		2.5
<0.005		-----		1000		6.0
<0.005		-----		4700		4.9
<0.005		-----		300		0.8
<0.005		-----		4400		0.8
<0.005		-----		680		1.2
<0.005		-----		160		0.1
<0.005		-----		790		0.9
<0.005		-----		580		1.1
<0.005		-----		130		2.3
<0.005		-----		7900		19.7
<0.005		-----		3400		23.0
<0.005		-----		550		23.7
<0.005		-----		4500		9.8
<0.005		-----		20000		3.1
<0.005		-----		21000		19.5

<0.005	-----		2200	7.3
<0.005	-----		2500	9.8
<0.005	-----		34000	3.1
<0.005	-----		570	51.1
<0.005	-----		3300	9.7
<0.005	-----		4900	10.0
<0.005	-----	-----	9000	39.7
<0.005	-----		4200	20.5
<0.005	-----		1400	115.9
<0.005	-----		4200	11.2
<0.005	-----		100	3.8
<0.005	-----		15000	11.0
<0.005	-----		270	8.7
<0.005	-----		220	3.2
<0.005	-----		110	15.6
<0.005	-----		1300	10.0
<0.005	-----		3700	8.2
<0.005	-----	-----	<10	2.5
<0.005	-----		<10	53.8
<0.005	-----		390	5.5
<0.005	-----		50	32.6
<0.005	-----		40	5.8
<0.005	-----		90	1.6
<0.005	-----		200	2.0
<0.005	-----		40	2.3
<0.005	-----		510	2.7
<0.005	-----		99	3.5
<0.005	-----		<10	4.6
<0.005	-----		140	11.5
<0.005	-----		340	32.1
<0.005	-----		200	12.5
<0.005	-----		12000	3.3
<0.005	-----		150	4.7
<0.005	-----		30000	6.8
<0.005	-----		260	2.2
<0.005	-----		1400	9.8
<0.005	-----	-----	1100	5.9
<0.005	-----		520	8.4
<0.005	-----		720	3.5
<0.005	-----		1100	14.5
<0.005	-----		160	1.8
<0.005	-----		2000	10.9
<0.005	-----		360	7.8
<0.005	-----		260	6.7
<0.005	-----		300	4.2
<0.005	-----		2100	18.2
<0.005	-----		3200	10.3

<0.005	-----		710	4.7
<0.005	-----	-----	210	5.7
<0.005	-----		360	10.9
<0.005	-----		820	5.2
<0.005	-----		2700	7.2
<0.005	-----		30	1.4
<0.005	-----		3100	0.8
<0.005	-----		210	2.5
<0.005	-----		330	0.6
<0.005	-----		490	0.6
<0.005	-----		210	1.5
<0.005	-----		320	1.8
<0.005	-----		520	4.1
<0.005	-----	-----	570	5.2
<0.005	-----		410	8.9
<0.005	-----		650	6.6
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<0.005	-----		3700	2.0
<0.005	-----		440	1.8
<0.005	-----		150	1.7
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<0.005	-----		520	1.8
<0.005	-----		140	1.7
<0.005	-----		420	3.3
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<0.005	-----		590	7.8
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<0.005	-----		100	0.7
<0.005	-----		210	3.4
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<0.005	-----		10000	1.4

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<0.005	-----		13000	3.5
<0.005	-----		650	0.0
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<0.005	-----		<10	20.2
<0.005	-----		30	4.4
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<0.005	-----		<10	43.4
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<0.005	-----		<10	16.7
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<0.005	-----		2900	3.4
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<0.005	-----		480000	20.1
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<0.005	-----		<10	3.9
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<0.005	-----		140	1.4
<0.005	-----		<10	4.8
<0.005	-----		1500	6.2
<0.005	-----	-----	2900	2.6
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<0.005	-----		60	16.8
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<0.005	-----		1200	1.6
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<0.005	-----		23000	1.4
<0.005	-----		2000	2.1
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<0.005	-----		2800	1.6
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<0.005	-----		130	10.8
<0.005	-----		100	**13.4**
<0.005	-----		300	7.2
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<0.005	-----	-----	280	3.5
<0.005	-----		200	3.3
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<0.005	-----		390	4.7
<0.005	-----		140	4.2
<0.005	-----		30	3.5
<0.005	-----		160	5.1
<0.005	-----		40	4.2
<0.005	-----		110	4.5
<0.005	-----		90	3.9
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<0.005	-----		240	8.6
<0.005	-----		210	3.5
<0.005	-----		140	4.9
<0.005	-----		40	9.2
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<0.005	-----		120	11.3
<0.005	-----		190	6.4
<0.005	-----		<10	6.4
<0.005	-----		40	12.0
<0.005	-----		130	**15.8**
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<0.005	-----		80	23.9
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<0.005	-----		120	2.8

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<0.005		-----		260	2.2
<0.005		-----		380	3.3
<0.005		-----		680	2.2
<0.005		-----	-----	1300	15.2
<0.005		-----		130	14.7
<0.005		-----		100	5.8
<0.005		-----		200	8.3
<0.005		-----		180	2.2
<0.005		-----		550	0.0
T/X	AAJ	-----		140	6.4
<0.005		-----		110	1.5
<0.005		-----		900	8.4
<0.005		-----		2800	7.0
<0.005		-----		240	12.9
<0.005		12		540000	3.1
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<0.005		<5		50	15.4
<0.005		<5		35000	4.1
<0.005		<5		9100	19.7
<0.005		<5		280000	3.8
<0.005		T/X	AAJ	50	49.3
<0.005		<5		20	29.4
<0.005		<5			0.6
<0.005		<5		140	3.9
<0.005		<5		<10	213.4
0.005		5		10	

Chlorophyll a Qual code	As sol mg/L	As sol Qual code	Ba tot mg/L	Ba tot Qual code	B tot mg/L	B tot Qual code	Cd sol mg/L	Cd sol Qual code
	<0.02		0.023		0.06		<0.001	
	<0.02		0.024		0.12		<0.001	
	<0.02		0.030		0.10		<0.001	
	<0.02		0.024		0.06		<0.001	
	<0.02		0.023		0.06		<0.001	
	<0.02		0.022		0.04		<0.001	
	<0.02		0.021		<0.03		<0.001	
	<0.02		0.022		0.03		<0.001	
	<0.02		0.022		<0.03		T/X	S
	<0.02		0.019		0.05		<0.001	
	<0.02		0.022		0.06		<0.001	
	<0.02		0.021		0.07		<0.001	
	<0.02		0.027		0.10		<0.001	
	<0.02		0.024		0.14		<0.001	
	<0.02		0.032		0.11		<0.001	
	<0.02		0.031		0.11		<0.001	
	<0.02	X	0.027		0.10		<0.001	
	<0.02		0.027		<0.03		<0.001	
	<0.02		0.027		0.06		<0.001	
	<0.02		0.024		0.06		<0.001	
	<0.02		0.021		0.07		T/X	S
	<0.02		0.023		0.08		<0.001	
	<0.02		0.024		0.13		<0.001	
	<0.02		0.022		0.14		<0.001	
	<0.02		0.038		0.15		<0.001	
	<0.02		0.0331		0.21		<0.001	
	<0.02		0.036		0.13		<0.001	
	<0.02		0.040		0.06		<0.001	
	<0.02		0.030		0.06		<0.001	
	<0.02		0.031		0.21		<0.001	
	<0.02		0.032		0.22		<0.001	
	<0.02		0.031		0.15		<0.001	
	<0.02		0.025		0.25		T/X	S
	<0.02		0.024		0.89		<0.001	
	<0.02		0.027		0.20		<0.001	
	<0.02		0.030		0.76		<0.001	
	<0.02		0.051		0.05		<0.001	
	<0.02		0.053		0.05		<0.001	
	<0.02		0.044		0.04		<0.001	
	<0.02		0.026		<0.03		<0.001	
	<0.02		0.054		0.10		<0.001	
	<0.02		0.027		**0.05**	X	<0.001	

<0.02		0.066	0.08	<0.001	
<0.02		0.041	0.07	T/X	S
<0.02		0.053	0.12	<0.001	
<0.02	X	0.041	0.06	<0.001	
<0.02		0.050	0.06	<0.001	
<0.02		0.041	0.11	<0.001	
<0.02		0.0462	0.14	<0.001	
<0.02		0.041	0.12	<0.001	
<0.02		0.042	0.07	<0.001	
<0.02		0.028	0.03	<0.001	
<0.02		0.031	0.10	<0.001	
<0.02		0.035	0.14	<0.001	
<0.02		0.039	0.12	<0.001	
<0.02		0.025	0.19	T/X	S
<0.02		0.024	0.21	<0.001	
<0.02		0.033	0.12	<0.001	
<0.02		0.036	0.17	<0.001	
<0.02		0.0219	0.05	<0.001	
<0.02		0.026	0.04	<0.001	
<0.02		0.030	0.04	<0.001	
<0.02		0.021	0.06	<0.001	
<0.02		0.017	<0.03	<0.001	
<0.02		0.023	<0.03	<0.001	
<0.02		0.022	<0.03	<0.001	
T/X	S	0.021	<0.03	T/X	S
<0.02		0.025	<0.03	<0.001	
<0.02	X	0.020	0.05	<0.001	
<0.02		0.026	0.03	<0.001	
<0.02		0.058	0.04	<0.001	
<0.02		0.059	0.05	<0.001	
<0.02		0.052	0.04	<0.001	
<0.02		0.034	0.03	<0.001	
<0.02		0.026	0.17	<0.001	
<0.02		0.030	0.04	<0.001	
<0.02		0.029	0.08	<0.001	
<0.02		0.031	0.11	<0.001	
<0.02		0.0267	0.25	<0.001	
<0.02	X	0.033	0.14	<0.001	
<0.02		0.034	0.08	<0.001	
<0.02		0.030	0.06	<0.001	
<0.02		0.018	0.36	<0.001	
<0.02		0.022	0.16	<0.001	
<0.02		0.023	0.24	<0.001	
<0.02	X	0.018	0.32	T/X	S
<0.02		0.016	0.24	<0.001	
<0.02		0.025	0.10	<0.001	
<0.02	X	0.023	0.20	<0.001	

<0.02		0.041	0.07	<0.001	
<0.02		0.0377	0.09	<0.001	
<0.02		0.037	0.07	<0.001	
<0.02	X	0.035	0.05	<0.001	
<0.02		0.026	0.05	<0.001	
<0.02		0.044	0.14	<0.001	
<0.02		0.038	0.10	<0.001	
<0.02		0.036	0.09	<0.001	
<0.02		0.038	0.18	T/X	S
<0.02		0.040	0.25	<0.001	
<0.02		0.033	0.11	<0.001	
<0.02		0.040	0.14	<0.001	
<0.02		0.040	0.09	<0.001	
<0.02		0.0373	0.11	<0.001	
<0.02		0.038	0.08	<0.001	
<0.02		0.037	0.06	<0.001	
<0.02		0.028	0.05	<0.001	
<0.02		0.039	0.16	<0.001	
<0.02		0.038	0.13	<0.001	
<0.02		0.032	0.10	<0.001	
<0.02		0.032	0.18	T/X	S
<0.02		0.037	0.42	<0.001	
<0.02		0.031	0.14	<0.001	
<0.02		0.042	0.34	<0.001	
<0.02		0.036	0.08	<0.001	
<0.02		0.036	0.08	<0.001	
<0.02		0.037	0.05	<0.001	
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<0.02		0.040	0.17	<0.001	
<0.02		0.037	0.14	<0.001	
<0.02		0.035	0.11	<0.001	
<0.02		0.034	0.19	T/X	S
<0.02	AE	0.034	0.37	<0.001	
<0.02		0.029	0.15	<0.001	
<0.02		0.036	0.30	<0.001	
<0.02		0.020	0.15	<0.001	
<0.02	X	0.022	0.16	<0.001	
<0.02	X	0.022	0.15	<0.001	
<0.02		0.027	0.16	<0.001	
<0.02		0.023	0.18	<0.001	
<0.02		0.019	0.14	<0.001	
<0.02		0.023	0.11	<0.001	
<0.02		0.018	0.12	<0.001	
T/X	S	0.020	0.11	T/X	S
<0.02		0.019	0.16	<0.001	
<0.02		0.021	0.16	<0.001	
<0.02		0.022	0.17	<0.001	

	<0.02		0.027	0.07	<0.001	
	<0.02		0.015	0.18	<0.001	
	<0.02	X	0.022	0.15	<0.001	
	<0.02	X	0.021	0.14	**<0.001**	X
	<0.02		0.019	0.16	<0.001	
	<0.02		0.016	0.11	<0.001	
	<0.02	X	0.019	0.09	<0.001	
	<0.02		0.017	0.11	<0.001	
	<0.02		0.015	0.23	T/X	S
	<0.02	X	0.017	0.14	<0.001	
	<0.02		0.020	0.16	<0.001	
	<0.02		0.016	0.17	<0.001	
	<0.02		0.031	0.09	<0.001	
	<0.02		0.027	0.23	<0.001	
	<0.02		0.026	0.15	<0.001	
	<0.02		0.032	0.21	<0.001	
	<0.02		0.029	0.22	<0.001	
	<0.02		0.026	0.18	<0.001	
	<0.02		0.021	0.12	<0.001	
AAC	**<0.02**	X	0.021	0.14	<0.001	
	<0.02	X	0.021	0.13	<0.001	
	<0.02		0.024	0.17	<0.001	
	<0.02		0.023	0.17	<0.001	
	<0.02		0.028	0.13	<0.001	
	<0.02		0.020	0.19	<0.001	
	<0.02		0.033	0.13	<0.001	
	<0.02		0.024	0.18	<0.001	
	<0.02		0.023	0.17	<0.001	
	<0.02		0.021	0.16	<0.001	
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	<0.02	X	0.020	0.12	<0.001	
	<0.02		0.016	0.14	T/X	S
	<0.02		0.019	0.11	<0.001	
	<0.02		0.020	0.11	<0.001	
	<0.02		0.018	0.21	<0.001	
	<0.02		0.028	0.12	<0.001	
	<0.02		0.0264	0.14	<0.001	
	<0.02		0.023	0.14	<0.001	
	<0.02	X	0.030	0.19	<0.001	
	<0.02		0.028	0.21	<0.001	
	<0.02		0.025	0.10	<0.001	
	<0.02		0.022	0.07	<0.001	
AAC	<0.02		0.024	0.08	<0.001	
	<0.02		0.024	0.06	<0.001	
	<0.02		0.026	0.11	<0.001	
	<0.02		0.022	0.13	<0.001	
	<0.02		0.038	0.07	<0.001	

	<0.02		0.0368	0.21	<0.001	
	<0.02		0.036	0.09	<0.001	
	<0.02		0.045	0.25	<0.001	
	<0.02		0.034	0.20	<0.001	
	<0.02		0.028	0.21	<0.001	
	<0.02		0.026	0.16	<0.001	
AAC	<0.02		0.024	0.16	<0.001	
	<0.02		0.025	0.15	<0.001	
	<0.02		0.036	0.11	<0.001	
	<0.02		0.033	0.19	<0.001	
	<0.02		0.033	0.11	<0.001	
	<0.02		0.0265	0.19	<0.001	
	<0.02		0.026	0.13	<0.001	
	<0.02		0.028	0.24	<0.001	
	<0.02		0.025	0.21	<0.001	
	<0.02		0.022	0.15	<0.001	
	<0.02		0.020	0.13	<0.001	
AAC	<0.02		0.022	0.18	<0.001	
	<0.02		0.022	0.14	<0.001	
	<0.02	X	0.023	0.15	<0.001	
	<0.02		0.023	0.20	<0.001	
	<0.02		0.024	0.13	<0.001	
	<0.02		0.0262	0.16	<0.001	
	<0.02		0.026	0.14	<0.001	
	<0.02	X	0.032	0.12	<0.001	
	<0.02		0.028	0.14	<0.001	
	<0.02		0.021	0.14	<0.001	
	<0.02		0.026	0.08	<0.001	
AAA	<0.02		0.022	0.11	<0.001	
	T/X	S	0.020	0.12	T/X	S
	<0.02		0.018	0.11	<0.001	
	<0.02		0.023	0.15	<0.001	
	<0.02		0.030	0.07	<0.001	
	<0.02		0.026	0.13	<0.001	
	<0.02		0.027	0.15	<0.001	
	<0.02		0.028	0.10	<0.001	
	<0.02		0.019	0.08	<0.001	
	<0.02		0.023	0.07	<0.001	
	<0.02		0.022	0.06	<0.001	
	<0.02		0.023	0.07	<0.001	
	<0.02		0.019	0.08	T/X	S
	<0.02		0.021	0.09	<0.001	
	<0.02		0.024	0.13	<0.001	
	<0.02		0.021	0.13	<0.001	
	<0.02		0.026	0.15	<0.001	
	<0.02		0.0229	0.21	<0.001	
	<0.02	X	0.021	0.15	<0.001	

	<0.02		0.033	0.23	<0.001	
	<0.02		0.023	0.21	<0.001	
	<0.02		0.021	0.16	<0.001	
	<0.02	X	0.019	0.13	<0.001	
AAC	<0.02		0.021	0.15	<0.001	
	<0.02		0.023	0.12	<0.001	
	<0.02		0.017	0.18	<0.001	
	<0.02		0.020	0.20	<0.001	
	<0.02		0.037	0.07	T/X	S
	<0.02		0.036	0.07	<0.001	
	<0.02		0.079	0.11	<0.001	
	<0.02		0.030	0.15	<0.001	
	<0.02		0.0286	0.20	<0.001	
	<0.02		0.031	0.18	<0.001	
	<0.02		0.041	0.11	<0.001	
	<0.02		0.024	0.06	<0.001	
	<0.02		0.026	0.24	<0.001	
	<0.02		0.023	0.17	<0.001	
	<0.02	X	0.027	0.21	<0.001	
	<0.02		0.019	0.23	T/X	S
	<0.02		0.016	0.29	<0.001	
	<0.02		0.021	0.16	<0.001	
	<0.02		0.026	0.22	<0.001	
	<0.02		0.045	0.06	<0.001	
	<0.02		0.044	0.05	<0.001	
	<0.02		0.028	<0.03	<0.001	
	<0.02		0.038	0.10	<0.001	
	<0.02		0.036	0.08	<0.001	
	<0.02		0.030	0.07	<0.001	
	<0.02		0.030	0.08	T/X	S
	<0.02		0.038	0.09	<0.001	
	<0.02		0.035	0.07	<0.001	
	<0.02		0.041	0.08	<0.001	
	<0.02		0.027	0.19	<0.001	
	<0.02		0.0273	0.21	<0.001	
	<0.02		0.022	0.17	<0.001	
	<0.02		0.027	0.20	<0.001	
	<0.02		0.023	0.24	<0.001	
	<0.02		0.024	0.13	<0.001	
	<0.02		0.026	0.11	<0.001	
AAC	<0.02		0.024	0.11	<0.001	
	<0.02		0.025	0.11	<0.001	
	<0.02		0.019	0.14	<0.001	
	<0.02		0.024	0.22	<0.001	
	<0.02		0.037	0.08	<0.001	
	<0.02		0.0364	0.10	<0.001	
	<0.02		0.037	0.09	<0.001	

	<0.02			0.036			0.06	<0.001	
	<0.02			0.027			0.09	<0.001	
	<0.02			0.039			0.15	<0.001	
	<0.02			0.035			0.13	<0.001	
	<0.02			0.033			0.11	<0.001	
	<0.02			0.029			0.15	T/X	S
	<0.02			0.031			0.29	<0.001	
	<0.02			0.028			0.13	<0.001	
	<0.02			0.035			0.25	<0.001	
	<0.02			0.025			0.15	<0.001	
	<0.02			0.025			0.19	<0.001	
	<0.02			0.026			0.09	<0.001	
	<0.02			0.025			0.18	<0.001	
	<0.02		X	0.0215			0.16	<0.001	
	<0.02			0.020			0.25	<0.001	
	<0.02			0.022			0.17	<0.001	
	<0.02			0.020			0.32	<0.001	
	<0.02			0.027			0.15	<0.001	
	<0.02			0.023			0.14	<0.001	
	<0.02			0.026			0.10	<0.001	
	<0.02			0.023			0.16	<0.001	
	<0.02			**0.029**		X	0.10	<0.001	
	<0.02			0.025			0.14	<0.001	
	<0.02			0.023			0.19	<0.001	
	<0.02			0.025			0.21	<0.001	
	<0.02			0.026			0.19	<0.001	
	<0.02			0.023			0.16	<0.001	
	<0.02			0.023			0.19	<0.001	
	<0.02		X	0.020			0.17	**<0.001**	X
	<0.02			0.022			0.18	<0.001	
	<0.02			0.019			0.17	<0.001	
	<0.02			0.021			0.23	<0.001	
	<0.02			0.019			0.13	<0.001	
	T/X		AB	0.017			0.16	T/X	AB
	<0.02			0.021			0.13	<0.001	
	<0.02			0.018			0.11	<0.001	
	<0.02			0.021			0.14	<0.001	
	<0.02			0.021			0.15	<0.001	
	<0.02		X	0.020			0.12	<0.001	
	<0.02			0.024			0.13	<0.001	
AAC	<0.02			0.019			0.15	<0.001	
	<0.02			0.017			0.18	T/X	S
	T/X		S	0.017			0.14	T/X	S
	<0.02			0.016			0.14	T/X	S
	<0.02			0.018			0.14	<0.001	
	<0.02			0.017			0.13	<0.001	
	<0.02			0.017			0.33	<0.001	

<0.02	X	0.022	0.17	<0.001	
<0.02		0.021	0.14	<0.001	
<0.02		0.020	0.17	<0.001	
<0.02		0.021	0.13	<0.001	
<0.02		0.024	0.18	<0.001	
<0.02		0.029	0.17	<0.001	
<0.02		0.021	0.21	<0.001	
<0.02		0.018	0.22	<0.001	
<0.02		0.0378	0.14	<0.001	
<0.02		0.037	0.10	<0.001	
<0.02		0.035	0.07	<0.001	
<0.02		0.031	0.08	<0.001	
<0.02		0.035	0.15	<0.001	
<0.02		0.026	0.06	<0.001	
<0.02		0.029	0.10	<0.001	
T/X	S	0.032	0.14	T/X	S
<0.02		0.026	0.11	<0.001	
<0.02		0.033	0.12	<0.001	
<0.02	X	0.034	0.12	<0.001	
<0.02		0.036	0.06	<0.001	
<0.02		0.026	0.11	<0.001	
<0.02		0.030	0.10	<0.001	
<0.02		0.028	0.11	<0.001	
<0.02		0.024	0.09	<0.001	
<0.02		0.026	0.08	<0.001	
<0.02		0.027	0.08	<0.001	
<0.02		0.024	0.08	<0.001	
<0.02		0.032	0.08	T/X	S
<0.02		0.040	0.18	<0.001	
<0.02		0.024	0.13	<0.001	
<0.02		0.025	0.13	<0.001	
0.02		0.002	0.03	0.001	

Ca tot mg/L	Ca tot Qual code	Cr sol mg/L	Cr sol Qual code	Cr6 ug/L	Cr6 Qual code	Cu sol mg/L	Cu sol Qual code	Fe sol mg/L	Fe sol Qual code
51		<0.003		<6		<0.004		<0.05	
60		<0.003		<6		0.005		<0.05	
66		<0.003		<6		0.005		<0.05	
51		<0.003		<6		<0.004		<0.05	
44		<0.003		<6		<0.004		<0.05	
40		<0.003		<6		<0.004		<0.05	
34		<0.003		<6		<0.004		<0.05	
37		<0.003		<6		0.005		<0.05	
36		<0.003		<6		<0.004		<0.05	
29		<0.003		<6		<0.004		<0.05	
44		<0.003		<6		0.007		<0.05	
46		<0.003		<6		0.005		<0.05	
60		<0.003		<6		<0.004		<0.05	
66		<0.003		<6		<0.004		<0.05	
70		<0.003		<6		<0.004		<0.05	
71		<0.003		<6		<0.004		<0.05	
63		<0.003		<6		**<0.004**	X	**<0.05**	X
47		<0.003		<6		<0.004		0.05	
41		<0.003		<6		<0.004		0.08	
43		<0.003		6		<0.004		<0.05	
42		<0.003		<6		<0.004		<0.05	
34		<0.003		<6		<0.004		0.08	
57		<0.003		<6		<0.004		0.07	
58		<0.003		<6		0.005		<0.05	
89		<0.003		<6		<0.004		<0.05	
83		<0.003		<6		<0.004		<0.05	
83		<0.003		<6		<0.004		<0.05	
64		<0.003		<6		<0.004		0.05	
45		<0.003		<6		<0.004		0.12	
70		<0.003		<6		<0.004		<0.05	
59		<0.003		<6		T/X	S	<0.05	
57		<0.003		<6		0.004		<0.05	
55		T/X	S	<6		T/X	S	T/X	S
65		<0.003		<6		<0.004		<0.05	
62		<0.003		<6		<0.004		0.06	
80		<0.003		<6		<0.004		0.05	
106		<0.003		<6		<0.004		0.16	
109		<0.003		<6		<0.004		0.23	
89		<0.003		<6		<0.004		0.12	
33		0.003		<6		<0.004		0.14	
108		<0.003		<6		<0.004		0.20	
33		<0.003		<6		T/X	S	0.21	

80	<0.003		<6	<0.004		0.29	
45	T/X	S	<6	T/X	S	T/X	S
77	<0.003		<6	<0.004		0.24	
79	<0.003		<6	<0.004		0.16	
90	<0.003		<6	<0.004		0.19	
84	<0.003		<6	<0.004		<0.05	
77	<0.003		<6	<0.004		0.05	
82	<0.003		<6	<0.004		<0.05	
80	<0.003		<6	<0.004		<0.05	
37	<0.003		<6	<0.004		0.12	
47	<0.003		<6	<0.004		<0.05	
50	<0.003		<6	T/X	S	0.05	
66	<0.003		<6	0.005		0.06	
53	T/X	S	<6	T/X	S	T/X	S
53	<0.003		<6	<0.004		<0.05	
67	<0.003		<6	<0.004		0.05	
70	<0.003		<6	<0.004		<0.05	
43	<0.003		<6	<0.004		<0.05	
53	<0.003		<6	<0.004		<0.05	
61	<0.003		<6	<0.004		<0.05	
43	<0.003		<6	<0.004		<0.05	
38	<0.003		<6	T/X	S	<0.05	
36	<0.003		<6	<0.004		0.24	
37	<0.003		<6	<0.004		<0.05	
36	T/X	S	<6	T/X	S	<0.05	
39	<0.003		<6	<0.004		<0.05	
47	<0.003		<6	<0.004		**0.13**	X
47	<0.003		<6	<0.004		<0.05	
73	<0.003		<6	0.008		<0.05	
71	<0.003		<6	<0.004		<0.05	
68	<0.003		<6	<0.004		0.05	
37	0.003		<6	<0.004		0.10	
69	<0.003		<6	<0.004		<0.05	
31	<0.003		<6	T/X	S	<0.05	
42	<0.003		<6	0.005		0.05	
75	<0.003		<6	<0.004		0.05	
70	<0.003		<6	<0.004		0.07	
74	**<0.003**	X	<6	0.0056		**0.05**	X
64	<0.003		<6	<0.004		0.07	
51	<0.003		<6	<0.004		0.07	
70	<0.003		<6	0.004		0.06	
47	<0.003		<6	T/X	S	<0.05	
60	<0.003		<6	0.006		0.05	
58	T/X	S	<6	T/X	S	T/X	S
56	<0.003		<6	<0.004		0.07	
61	<0.003		<6	<0.004		<0.05	
67	<0.003		<6	<0.004		0.07	

81	<0.003		<6	<0.004		<0.05	
78	<0.003		<6	<0.004		<0.05	
70	<0.003		<6	<0.004		<0.05	
60	<0.003		<6	<0.004		**0.07**	X
44	<0.003		<6	<0.004		0.08	
72	<0.003		<6	<0.004		<0.05	
56	<0.003		<6	T/X	S	<0.05	
55	<0.003		<6	<0.004		0.12	
65	T/X	S	<6	T/X	S	T/X	S
65	<0.003		<6	<0.004		<0.05	
68	<0.003		<6	<0.004		0.06	
79	<0.003		<6	<0.004		<0.05	
83	<0.003		<6	<0.004		<0.05	
80	<0.003		<6	<0.004		<0.05	
73	<0.003		<6	<0.004		<0.05	
61	<0.003		<6	<0.004		0.06	
45	<0.003		<6	<0.004		0.08	
73	<0.003		<6	0.0068		<0.05	
59	<0.003		<6	T/X	S	<0.05	
53	<0.003		<6	<0.004		0.08	
60	T/X	S	<6	T/X	S	T/X	S
68	<0.003		<6	<0.004		<0.05	
63	<0.003		<6	<0.004		0.05	
81	<0.003		<6	<0.004		<0.05	
81	<0.003		<6	<0.004		<0.05	
74	<0.003		<6	<0.004		<0.05	
63	<0.003		<6	<0.004		<0.05	
45	<0.003		<6	<0.004		0.07	
76	<0.003		<6	<0.004		<0.05	
60	<0.003		<6	T/X	S	<0.05	
57	<0.003		<6	<0.004		0.05	
59	T/X	S	<6	T/X	S	T/X	S
61	<0.003		<6	<0.004		**<0.05**	AE
60	<0.003		<6	<0.004		0.05	
80	<0.003		<6	<0.004		<0.05	
58	<0.003		<6	<0.004		<0.05	
64	**<0.003**	X	<6	<0.004		**<0.05**	X
63	**<0.003**	X	<6	<0.004		**<0.05**	X
82	<0.003		<6	<0.004		<0.05	
70	<0.003		<6	<0.004		<0.05	
55	<0.003		<6	T/X	S	<0.05	
50	<0.003		<6	<0.004		**<0.05**	X
50	<0.003		<6	<0.004		<0.05	
44	T/X	S	<6	T/X	S	<0.05	
50	<0.003		<6	0.005		<0.05	
56	<0.003		<6	<0.004		<0.05	
56	<0.003		<6	<0.004		<0.05	

52	<0.003		<6	<0.004		<0.05	
66	<0.003		<6	<0.004		<0.05	
72	**<0.003**	X	<6	<0.004		**0.05**	X
64	**<0.003**	X	<6	**<0.004**	X	**<0.05**	X
59	<0.003		<6	<0.004		<0.05	
44	<0.003		<6	<0.004		<0.05	
41	<0.003		<6	<0.004		0.06	
49	<0.003		<6	0.014		<0.05	
51	<0.003		<6	<0.004		<0.05	
41	<0.003		<6	<0.004		0.06	
60	<0.003		<6	<0.004		<0.05	
60	<0.003		<6	<0.004		<0.05	
65	<0.003		<6	<0.004		0.07	
78	<0.003		<6	<0.004		<0.05	
75	<0.003		<6	<0.004		<0.05	
83	<0.003		<6	<0.004		<0.05	
72	<0.003		<6	<0.004		<0.05	
56	<0.003		<6	<0.004		<0.05	
49	<0.003		<6	<0.004		<0.05	
49	**<0.003**	X	<6	T/X	S	<0.05	
48	**<0.003**	X	<6	<0.004		<0.05	
55	<0.003		<6	0.007		<0.05	
74	<0.003		<6	<0.004		<0.05	
58	<0.003		<6	<0.004		0.05	
70	<0.003		<6	<0.004		<0.05	
75	<0.003		<6	<0.004		<0.05	
69	<0.003		<6	<0.004		<0.05	
67	<0.003		<6	<0.004		<0.05	
51	<0.003		<6	<0.004		<0.05	
39	<0.003		<6	<0.004		0.08	
50	**<0.003**	X	6	<0.004		**<0.05**	X
50	<0.003		<6	<0.004		<0.05	
32	<0.003		<6	<0.004		0.08	
47	<0.003		<6	<0.004		0.10	
68	<0.003		6	<0.004		<0.05	
64	<0.003		<6	<0.004		<0.05	
57	<0.003		<6	<0.004		<0.05	
67	<0.003		<6	<0.004		<0.05	
70	<0.003		<6	<0.004		**<0.05**	X
61	<0.003		<6	<0.004		<0.05	
43	<0.003		<6	<0.004		<0.05	
42	0.003		<6	<0.004		<0.05	
46	<0.003		<6	T/X	S	<0.05	
42	<0.003		<6	<0.004		<0.05	
47	<0.003		<6	0.005		<0.05	
66	<0.003		<6	<0.004		<0.05	
65	<0.003		<6	<0.004		0.08	

94	<0.003		<6	<0.004		<0.05	
66	<0.003		<6	<0.004		0.07	
101	<0.003		<6	<0.004		<0.05	
70	<0.003		<6	<0.004		<0.05	
60	<0.003		<6	<0.004		<0.05	
59	<0.003		<6	<0.004		<0.05	
56	<0.003		<6	T/X	S	<0.05	
53	<0.003		<6	<0.004		<0.05	
40	<0.003		<6	0.005		0.07	
83	<0.003		<6	<0.004		0.06	
73	<0.003		<6	<0.004		0.06	
74	<0.003		<6	<0.004		<0.05	
68	<0.003		<6	<0.004		<0.05	
77	<0.003		<6	<0.004		<0.05	
65	<0.003		<6	<0.004		<0.05	
52	<0.003		<6	<0.004		<0.05	
50	<0.003		<6	0.018		<0.05	
55	<0.003		<6	T/X	S	<0.05	
50	<0.003		<6	<0.004		<0.05	
50	<0.003		<6	0.004		<0.05	
70	<0.003		<6	<0.004		0.05	
62	<0.003		<6	<0.004		<0.05	
70	<0.003		<6	<0.004		<0.05	
68	<0.003		<6	<0.004		<0.05	
81	<0.003		<6	**<0.004**	X	<0.05	
73	<0.003		<6	<0.004		<0.05	
60	<0.003		<6	T/X	S	<0.05	
41	<0.003		<6	0.006		0.46	
49	<0.003		<6	<0.004		<0.05	
46	T/X	S	<6	T/X	S	<0.05	
38	<0.003		<6	0.004		<0.05	
64	<0.003		<6	<0.004		<0.05	
52	<0.003		<6	<0.004		<0.05	
68	<0.003		<6	<0.004		<0.05	
69	<0.003		<6	<0.004		0.06	
69	<0.003		<6	<0.004		<0.05	
45	<0.003		<6	<0.004		0.07	
43	<0.003		<6	<0.004		0.05	
37	<0.003		<6	0.004		0.09	
44	<0.003		<6	0.005		<0.05	
41	<0.003		<6	<0.004		<0.05	
31	<0.003		<6	<0.004		0.09	
59	<0.003		<6	<0.004		<0.05	
58	<0.003		<6	<0.004		<0.05	
80	<0.003		<6	<0.004		<0.05	
72	<0.003		<6	<0.004		<0.05	
68	<0.003		<6	**<0.004**	X	**<0.05**	X

78	<0.003		<6	<0.004		<0.05	
66	<0.003		<6	<0.004		<0.05	
52	<0.003		<6	<0.004		<0.05	
51	<0.003		<6	<0.004		**<0.05**	X
54	<0.003		<6	T/X	S	<0.05	
48	<0.003		<6	<0.004		<0.05	
50	<0.003		<6	0.005		<0.05	
70	<0.003		<6	<0.004		<0.05	
41	T/X	S	<6	T/X	S	T/X	S
49	<0.003		<6	<0.004		<0.05	
106	<0.003		<6	<0.004		<0.05	
87	<0.003		<6	<0.004		<0.05	
80	<0.003		<6	<0.004		<0.05	
87	<0.003		<6	<0.004		<0.05	
93	<0.003		<6	<0.004		<0.05	
49	<0.003		<6	<0.004		0.06	
78	<0.003		<6	<0.004		<0.05	
60	<0.003		<6	T/X	S	0.05	
79	<0.003		<6	<0.004		**<0.05**	X
69	T/X	S	<6	T/X	S	T/X	S
65	<0.003		<6	<0.004		<0.05	
70	<0.003		<6	<0.004		<0.05	
76	<0.003		<6	<0.004		<0.05	
85	<0.003		<6	<0.004		<0.05	
73	<0.003		<6	<0.004		0.06	
34	<0.003		<6	<0.004		0.12	
72	<0.003		<6	<0.004		<0.05	
49	<0.003		<6	T/X	S	0.06	
51	<0.003		<6	<0.004		<0.05	
47	T/X	S	<6	T/X	S	T/X	S
45	<0.003		<6	<0.004		<0.05	
66	<0.003		<6	<0.004		0.07	
81	<0.003		<6	<0.004		<0.05	
88	<0.003		<6	<0.004		<0.05	
76	<0.003		<6	<0.004		<0.05	
71	<0.003		<6	<0.004		<0.05	
76	<0.003		<6	<0.004		<0.05	
75	<0.003		<6	<0.004		<0.05	
59	<0.003		<6	<0.004		<0.05	
56	<0.003		<6	<0.004		<0.05	
54	<0.003		<6	T/X	S	<0.05	
51	<0.003		<6	<0.004		<0.05	
48	<0.003		<6	0.005		<0.05	
88	<0.003		<6	<0.004		<0.05	
86	<0.003		<6	<0.004		<0.05	
77	<0.003		<6	<0.004		<0.05	
75	<0.003		<6	<0.004		<0.05	

62	<0.003		<6	<0.004		0.05	
41	<0.003		<6	<0.004		0.08	
75	<0.003		<6	<0.004		<0.05	
60	<0.003		<6	T/X	S	<0.05	
57	<0.003		<6	<0.004		<0.05	
54	T/X	S	<6	T/X	S	T/X	S
63	<0.003		<6	<0.004		<0.05	
57	<0.003		<6	<0.004		<0.05	
84	<0.003		<6	<0.004		<0.05	
72	<0.003		<6	<0.004		<0.05	
62	<0.003		<6	<0.004		<0.05	
55	<0.003		<6	<0.004		0.09	
69	<0.003		<6	<0.004		<0.05	
73	**<0.003**	X	<6	<0.004		**<0.05**	X
66	<0.003		<6	<0.004		<0.05	
70	<0.003		<6	<0.004		<0.05	
73	<0.003		<6	<0.004		<0.05	
67	<0.003		<6	<0.004		<0.05	
69	<0.003		<6	<0.004		<0.05	
74	<0.003		<6	<0.004		<0.05	
71	<0.003		<6	<0.004		<0.05	
64	<0.003		<6	<0.004		0.05	
65	<0.003		<6	<0.004		0.07	
72	<0.003		<6	<0.004		<0.05	
77	<0.003		<6	<0.004		<0.05	
72	<0.003		<6	<0.004		<0.05	
60	<0.003		<6	<0.004		0.05	
64	<0.003		<6	<0.004		<0.05	
57	**<0.003**	X	<6	**<0.004**	X	**<0.05**	X
63	<0.003		<6	<0.004		<0.05	
64	<0.003		<6	T/X	S	<0.05	
59	<0.003		<6	<0.004		<0.05	
49	<0.003		<6	<0.004		<0.05	
48	T/X	AB	<6	T/X	AB	T/X	AB
51	<0.003		<6	T/X	S	<0.05	
41	0.003		<6	<0.004		0.23	
52	0.003		<6	<0.004		<0.05	
50	<0.003		<6	<0.004		<0.05	
52	<0.003		<6	<0.004		**<0.05**	X
53	<0.003		<6	0.005		<0.05	
51	<0.003		<6	T/X	S	<0.05	
49	T/X	S	<6	T/X	S	T/X	S
49	T/X	S	<6	T/X	S	<0.05	
49	<0.003		<6	<0.004		<0.05	
50	<0.003		<6	<0.004		<0.05	
48	<0.003		<6	<0.004		<0.05	
52	<0.003		<6	0.005		<0.05	

60	<0.003		<6	<0.004		<0.05	
59	<0.003		<6	<0.004		<0.05	
62	<0.003		<6	<0.004		<0.05	
51	<0.003		<6	<0.004		0.09	
70	<0.003		<6	<0.004		0.05	
72	<0.003		<6	<0.004		<0.05	
71	<0.003		<6	<0.004		<0.05	
70	<0.003		<6	<0.004		<0.05	
83	<0.003		<6	<0.004		<0.05	
84	<0.003		<6	<0.004		<0.05	
73	<0.003		<6	<0.004		<0.05	
64	<0.003		<6	<0.004		<0.05	
64	0.003		<6	T/X	S	<0.05	
34	<0.003		<6	<0.004		0.30	
48	<0.003		<6	<0.004		<0.05	
54	T/X	S	<6	T/X	S	0.06	
40	<0.003		<6	0.007		0.07	
71	<0.003		<6	T/X	A	0.07	
74	**<0.003**	X	<6	<0.004		**<0.05**	X
39	<0.003		<6	<0.004		0.14	
55	<0.003		<6	<0.004		0.09	
63	<0.003		<6	<0.004		0.05	
66	<0.003		<6	<0.004		0.06	
46	<0.003		<6	<0.004		0.08	
44	<0.003		<6	<0.004		0.07	
39	<0.003		<6	<0.004		0.08	
46	<0.003		<6	0.005		<0.05	
48	<0.003		<6	<0.004		<0.05	
57	<0.003		<6	<0.004		0.09	
62	<0.003		<6	<0.004		0.05	
60	<0.003		<6	<0.004		<0.05	
1	0.003		6	0.004		0.05	

Pb sol mg/L	Pb sol Qual code	Mg tot mg/L	Mg tot Qual code	Mn sol mg/L	Mn sol Qual code	Hg tot ug/L	Hg tot Qual code	Low Level Hg ng/L	Low Level Hg Qual code
<0.01		20		0.015		-----		2.0	
<0.01		24		0.016		-----		3.4	
<0.01		26		0.022		-----		2.9	
<0.01		21		0.008		-----		2.9	
<0.01		16		0.009		-----		2.9	
<0.01		15		0.006		-----		4.1	
<0.01		13		0.003		-----		2.0	
<0.01		14		0.016		-----		1.6	
<0.01		13		0.005		-----		2.0	
<0.01		10		0.024		-----		T/X	D
<0.01		17		0.009		-----		2.7	
<0.01		17		0.007		-----		1.2	
<0.01		24		0.023		-----		5.8	
<0.01		27		0.022		-----		4.4	
<0.01		28		0.029		-----		4.9	
<0.01		32		0.027		-----		6.3	
<0.01	X	25		0.017		-----		1.4	
<0.01		19		0.025		-----		13.1	
<0.01		16		0.015		-----		7.7	
<0.01		16		0.017		-----		3.9	
<0.01		16		0.033		-----		4.2	
<0.01		12		0.030		-----		11.5	
<0.01		23		0.022		-----		4.8	
<0.01		22		0.016		-----		4.4	
<0.01		37		0.027		-----		6.1	
<0.01		37		0.041		-----		6.7	
<0.01		37		0.033		-----		5.4	
<0.01		28		0.017		-----		3.7	
<0.01		20		0.016		-----		7.2	
<0.01		33		0.025		-----		2.9	
<0.01		27		0.030		-----		3.6	
<0.01		26		0.034		-----		3.6	
T/X	S	24		0.021		-----		5.6	
<0.01		32		0.013		-----		3.6	
<0.01		26		0.017		-----		2.9	
<0.01		34		0.022		-----		1.1	
<0.01		43		0.102		-----		2.0	
<0.01		45		0.080		-----		2.4	
<0.01		38		0.053		-----		<0.5	
<0.01		13		0.019		-----		6.3	
<0.01		43		0.087		-----		1.6	
<0.01		11		0.040		-----		1.1	

<0.01		29	0.075		-----	1.1	
T/X	S	17	0.143		-----	0.8	
<0.01		31	1.079		-----	<0.5	
<0.01	X	31	0.064		-----	3.0	
<0.01		34	0.124		-----	2.5	
<0.01		36	0.063		-----	2.8	
<0.01		34	0.068		-----	12.5	
<0.01		35	0.042		-----	1.9	
<0.01		36	0.033		-----	3.9	
<0.01		17	0.017		-----	5.6	
<0.01		17	0.006		-----	1.7	
<0.01		21	0.045		-----	5.0	
<0.01		27	0.036		-----	1.5	
T/X	S	22	0.032		-----	1.4	
<0.01		21	0.033		-----	1.9	
<0.01		28	0.047		-----	2.9	
<0.01		29	0.040		-----	2.5	
<0.01		16	0.014		-----	15.9	
<0.01		19	0.002		-----	35.2	
<0.01		25	0.026		-----	6.7	
<0.01		15	0.038		-----	2.6	
<0.01		14	0.009		-----	6.3	
<0.01		13	0.015		-----	3.0	
<0.01		14	0.004		-----	3.0	
<0.01		13	0.005		-----	1.4	
<0.01		13	0.007		-----	4.0	
0.012		16	0.055		-----	1.6	
<0.01		16	0.020		-----	1.0	
<0.01		27	0.139		-----	4.6	
<0.01		27	0.072		-----	2.3	
<0.01		29	0.027		-----	2.8	
<0.01		13	0.013		-----	7.9	
<0.01		29	0.030		-----	4.1	
<0.01		9	0.010		-----	4.1	
<0.01		15	0.011		-----	1.2	
<0.01		32	0.024		-----	1.9	
<0.01		29	0.025		-----	21.0	
<0.01	X	33	**0.012**	X	-----	2.8	
<0.01		30	0.019		-----	3.5	
<0.01		22	0.011		-----	6.3	
<0.01		29	0.023		-----	1.4	
<0.01		19	0.018		-----	T/X	ZA
<0.01		25	0.017		-----	1.2	
T/X	S	23	0.023		-----	1.3	
<0.01		23	0.039		-----	1.9	
<0.01		25	0.023		-----	2.1	
<0.01	X	27	0.016		-----	1.2	

<0.01		40	0.030		-----	3.2
<0.01		39	0.042		-----	9.8
<0.01		34	0.019		-----	3.9
<0.01	X	30	0.014		-----	2.5
<0.01		20	0.013		-----	5.0
<0.01		35	0.034		-----	2.3
<0.01		26	0.031		-----	12.9
<0.01		26	0.028		-----	2.4
T/X	S	30	0.029		-----	1.2
<0.01		29	0.018		-----	1.7
<0.01		32	0.034		-----	2.3
<0.01		36	0.022		-----	1.1
<0.01		40	0.018		-----	3.8
<0.01		38	0.033		-----	3.7
<0.01		36	0.022		-----	4.9
<0.01		29	0.010		-----	6.2
<0.01		20	0.012		-----	10.1
<0.01		35	0.017		-----	3.2
<0.01		28	0.013		-----	4.9
<0.01		25	0.014		-----	4.2
T/X	S	27	0.014		-----	2.5
<0.01		31	0.009		-----	3.2
<0.01		29	0.016		-----	2.9
<0.01		36	0.020		-----	1.5
<0.01		39	0.018		-----	2.7
<0.01		35	0.023		-----	5.4
<0.01		30	0.014		-----	2.9
<0.01		20	0.019		-----	9.3
<0.01		38	0.028		-----	2.7
<0.01		29	0.008		-----	2.7
<0.01		27	0.026		-----	4.1
T/X	S	27	0.025		-----	2.6
<0.01	AE	28	0.038		-----	3.8
<0.01		28	0.019		-----	3.7
<0.01		35	0.017		-----	1.8
<0.01		23	0.018		-----	4.9
<0.01	X	26	0.013		-----	2.0
<0.01	X	26	**0.002**	X	-----	37.1
<0.01		35	0.009		-----	2.2
<0.01		27	0.014		-----	1.8
<0.01		21	0.019		-----	2.2
<0.01	X	19	0.010		-----	3.0
<0.01		19	0.008		-----	2.2
<0.01		16	0.010		-----	1.8
<0.01		18	0.020		-----	2.6
<0.01		22	0.027		-----	1.7
<0.01		21	0.090		-----	3.6

<0.01		20	0.024	-----	31.7
<0.01		26	0.0219	-----	2.1
<0.01	X	30	0.030	-----	2.6
<0.01	X	27	0.014	-----	2.1
<0.01		23	0.085	-----	1.4
<0.01		15	0.037	-----	2.2
<0.01	X	15	0.016	-----	4.5
<0.01		18	0.012	-----	4.1
<0.01		18	0.030	-----	4.0
<0.01	X	16	0.017	-----	9.3
<0.01		24	0.010	-----	3.0
<0.01		22	0.011	-----	1.7
<0.01		26	0.032	-----	25.2
<0.01		34	0.046	-----	7.3
<0.01		32	0.043	-----	4.1
<0.01		34	0.026	-----	3.8
<0.01		29	0.040	-----	7.7
<0.01		24	0.024	-----	3.3
<0.01		20	0.002	-----	2.5
<0.01	X	20	0.011	-----	4.8
<0.01	X	19	0.011	-----	2.3
<0.01		21	0.042	-----	7.2
<0.01		28	0.026	-----	3.1
<0.01		24	0.028	-----	19.2
<0.01		29	0.0328	-----	3.2
<0.01		30	0.032	-----	10.6
<0.01		30	0.021	-----	4.2
<0.01		26	0.028	-----	8.8
<0.01		20	0.035	-----	2.7
<0.01		14	0.024	-----	5.4
<0.01	X	19	0.021	-----	2.3
<0.01		19	0.020	-----	3.1
<0.01		12	0.039	-----	10.7
<0.01		18	0.030	-----	8.5
<0.01		26	0.030	-----	3.9
<0.01		30	0.024	-----	18.5
<0.01		23	0.0128	-----	7.3
<0.01		28	0.010	-----	11.3
<0.01	X	28	0.002	-----	7.0
<0.01		26	0.006	-----	4.3
<0.01		18	0.002	-----	6.0
<0.01		16	0.002	-----	6.0
<0.01		18	0.058	-----	6.9
<0.01		16	0.005	-----	7.7
<0.01		18	0.012	-----	6.2
<0.01		26	0.015	-----	3.9
<0.01		27	0.040	-----	11.6

<0.01		43	0.0573	-----	5.9
<0.01		29	0.047	-----	15.9
<0.01		45	0.062	-----	4.3
<0.01		29	0.055	-----	4.3
<0.01		25	0.055	-----	5.4
<0.01		24	0.037	-----	1.8
<0.01		23	0.054	-----	3.8
<0.01		20	0.021	-----	3.0
<0.01		17	0.026	-----	1.4
<0.01		34	0.041	-----	2.5
<0.01		30	0.049	-----	14.4
<0.01		30	0.0269	-----	6.2
<0.01		28	0.041	-----	5.1
<0.01		31	0.025	-----	3.4
<0.01		26	0.041	-----	4.1
<0.01		20	0.033	-----	3.5
<0.01		20	0.022	-----	3.5
<0.01		22	0.024	-----	6.6
<0.01		18	0.016	-----	2.1
<0.01		19	0.030	-----	5.8
<0.01		27	0.028	-----	2.5
<0.01		25	0.028	-----	2.2
<0.01		28	0.029	-----	3.2
<0.01		29	0.020	-----	8.3
<0.01	X	36	0.028	-----	3.4
<0.01		30	0.023	-----	2.9
<0.01		23	0.024	-----	3.6
<0.01		16	0.033	-----	6.3
<0.01		19	0.020	-----	3.8
<0.01		17	0.022	-----	2.8
<0.01		13	0.022	-----	2.3
<0.01		26	0.022	-----	2.2
<0.01		21	0.020	-----	17.8
<0.01		28	0.023	-----	3.9
<0.01		28	0.022	-----	4.2
<0.01		30	0.024	-----	6.3
<0.01		18	0.047	-----	8.4
<0.01		17	0.026	-----	4.0
<0.01		14	0.018	-----	9.3
<0.01		17	0.014	-----	6.9
<0.01		15	0.011	-----	6.5
<0.01		11	0.019	-----	11.4
<0.01		23	0.020	-----	6.9
<0.01		23	0.015	-----	6.8
<0.01		33	0.022	-----	7.9
<0.01		28	0.014	-----	2.8
<0.01	X	26	0.023	-----	3.8

<0.01		30	0.019	-----	3.7
<0.01		25	0.020	-----	2.5
<0.01		21	0.022	-----	3.3
<0.01	X	21	0.040	-----	2.5
<0.01		20	0.055	-----	4.8
<0.01		18	0.013	-----	4.0
<0.01		18	0.025	-----	4.0
<0.01		25	0.014	-----	1.8
T/X	S	14	0.068	-----	0.6
<0.01		18	0.033	-----	3.3
<0.01		46	0.072	-----	4.2
<0.01		36	0.013	-----	1.4
<0.01		35	0.031	-----	4.0
<0.01		38	0.013	-----	0.8
<0.01		41	0.029	-----	2.1
<0.01		20	0.014	-----	6.1
<0.01		32	0.029	-----	<0.5
<0.01		22	0.035	-----	4.1
<0.01	X	31	0.027	-----	1.1
T/X	S	26	0.019	-----	<0.5
<0.01		24	0.014	-----	0.8
<0.01		30	0.013	-----	0.8
<0.01		30	0.014	-----	1.2
<0.01		41	0.034	-----	5.1
<0.01		34	0.064	-----	7.1
<0.01		16	0.024	-----	9.2
<0.01		37	0.024	-----	3.0
<0.01		24	0.031	-----	6.1
<0.01		24	0.015	-----	1.3
T/X	S	24	0.002	-----	1.0
<0.01		23	0.003	-----	1.6
<0.01		29	0.040	-----	4.7
<0.01		38	0.019	-----	1.7
<0.01		40	0.023	-----	39.6
<0.01		35	0.0338	-----	9.7
<0.01		29	0.036	-----	16.2
<0.01		32	0.024	-----	35.3
<0.01		35	0.020	-----	7.8
<0.01		27	0.028	-----	36.0
<0.01		20	0.015	-----	54.4
<0.01		20	0.020	-----	28.3
<0.01		20	0.022	-----	27.6
<0.01		19	0.039	-----	15.4
<0.01		52	0.021	-----	4.6
<0.01		39	0.016	-----	4.7
<0.01		36	0.033	-----	6.6
<0.01		35	0.018	-----	4.0

<0.01		30	0.015		-----	4.8
<0.01		19	0.021		-----	6.0
<0.01		36	0.008		-----	1.9
<0.01		29	0.011		-----	1.8
<0.01		27	0.014		-----	1.5
T/X	S	25	0.009		-----	1.1
<0.01		30	0.029		-----	1.1
<0.01		25	0.010		-----	4.5
<0.01		38	0.009		-----	1.2
<0.01		28	0.028		-----	5.5
<0.01		25	0.034		-----	11.7
<0.01		22	0.030		-----	5.7
<0.01		27	0.032		-----	12.1
<0.01	X	30	0.030		-----	5.3
<0.01		27	0.034		-----	5.9
<0.01		29	0.0348		-----	6.0
<0.01		29	0.0389		-----	160.0
<0.01		27	0.022		-----	8.8
<0.01		27	0.037		-----	159.4
<0.01		29	0.041		-----	60.6
<0.01		29	0.035		-----	3.4
<0.01		27	0.023		-----	4.8
<0.01		27	0.023		-----	5.3
<0.01		31	0.031		-----	1.5
<0.01		31	0.022		-----	3.5
<0.01		28	0.022		-----	6.4
<0.01		23	0.022		-----	3.2
<0.01		25	0.018		-----	4.8
<0.01	X	22	**0.023**	X	-----	3.5
<0.01		25	0.020		-----	4.1
<0.01		25	0.023		-----	1.7
<0.01		23	0.053		-----	2.6
<0.01		19	0.035		-----	5.6
T/X	AB	18	T/X	AB	-----	1.9
<0.01		21	0.012		-----	3.4
<0.01		16	0.031		-----	3.1
<0.01		21	0.021		-----	2.4
<0.01		19	0.040		-----	6.4
<0.01	X	19	0.020		-----	2.7
<0.01		21	0.013		-----	2.3
<0.01		20	0.012		-----	20.1
T/X	S	19	0.018		-----	1.4
<0.01	X	19	0.033		-----	4.9
<0.01		19	0.016		-----	3.3
<0.01		19	0.171		-----	2.0
<0.01		18	0.012		-----	6.3
<0.01		19	0.024		-----	6.7

0.01	X	24	0.025	-----	27.2
<0.01		23	0.021	-----	3.2
<0.01		25	0.022	-----	7.6
<0.01		20	0.029	-----	7.9
<0.01		27	0.021	-----	6.5
<0.01		28	0.028	-----	12.6
<0.01		27	0.024	-----	2.9
<0.01		27	0.017	-----	<0.5
<0.01		38	0.054	-----	7.5
<0.01		41	0.042	-----	83.0
<0.01		35	0.023	-----	3.8
<0.01		29	0.023	-----	4.1
<0.01		35	0.015	-----	2.3
<0.01		14	0.029	-----	6.1
<0.01		23	0.018	-----	2.3
<0.01		25	0.010	-----	1.3
<0.01		17	0.012	-----	4.7
<0.01		31	0.031	-----	2.0
<0.01	X	32	0.020	-----	1.8
<0.01		12	0.044	<0.05	-----
<0.01		21	0.060	<0.05	-----
<0.01		25	0.029	<0.05	-----
<0.01		29	0.031	<0.05	-----
<0.01		17	0.043	<0.05	-----
<0.01		16	0.052	<0.05	-----
<0.01		14	0.031	<0.05	-----
<0.01		17	0.064	<0.05	-----
<0.01		18	0.015	<0.05	-----
<0.01		21	0.051	<0.05	-----
<0.01		24	0.028	<0.05	-----
<0.01		23	0.005	<0.05	-----
0.01		1	0.001	0.05	0.5*

Ni sol mg/L	Ni sol Qual code	Se tot mg/L	Se tot Qual code	Ag tot mg/L	Ag tot Qual code	Ag sol mg/L	Ag sol Qual code	Zn sol mg/L	Zn sol Qual code
<0.005		0.009		<0.001		<0.001		0.019	
<0.005		<0.005		<0.001		<0.001		0.021	
<0.005		<0.005		<0.001		<0.001		0.026	
<0.005		<0.005		<0.001		<0.001		0.009	
<0.005		0.011		<0.001		<0.001		0.006	
<0.005		0.006		<0.001		<0.001		T/X	S
<0.005		0.012		<0.001		T/X	S	<0.005	
<0.005		<0.005		<0.001		<0.001		<0.005	
<0.005		<0.005		<0.001		T/X	S	T/X	S
<0.005		<0.005		<0.001		<0.001		0.015	
<0.005		<0.005		<0.001		<0.001		0.014	
<0.005		<0.005		<0.001		<0.001		T/X	S
<0.005		<0.005		<0.001		<0.001		0.030	
<0.005		<0.005		<0.001		<0.001		0.025	
<0.005		<0.005		<0.001		<0.001		0.025	
<0.005		<0.005		<0.001		<0.001		0.018	
<0.005	X	0.013		<0.001		**<0.001**	X	0.010	
<0.005		0.011		<0.001		<0.001		T/X	S
<0.005		0.006		<0.001		T/X	S	0.007	
<0.005		<0.005		<0.001		<0.001		T/X	A
<0.005		<0.005		<0.001		T/X	S	T/X	S
<0.005		<0.005		<0.001		<0.001		0.012	
<0.005		<0.005		<0.001		<0.001		0.027	
<0.005		<0.005		<0.001		<0.001		T/X	S
<0.005		<0.005		<0.001		<0.001		0.017	
<0.005		<0.005		<0.001		<0.001		0.025	
<0.005		0.016		<0.001		<0.001		0.014	
<0.005		0.010		<0.001		<0.001		0.007	
<0.005		<0.005		<0.001		0.001		0.009	
<0.005		0.011		<0.001		<0.001		0.013	
<0.005		<0.005		**<0.001**	X	<0.001		T/X	S
<0.005		0.006		<0.001		T/X	S	T/X	S
0.005		<0.005		<0.001		<0.001		T/X	S
0.006		0.008		<0.001		<0.001		0.024	
<0.005		0.008		<0.001		<0.001		0.010	
<0.005		<0.005		<0.001		<0.001		T/X	S
<0.005		0.005		<0.001		0.001		0.007	
<0.005		0.015		<0.001		<0.001		0.036	
<0.005		<0.005		<0.001		<0.001		0.006	
<0.005		<0.005		<0.001		<0.001		0.008	
<0.005		0.015		<0.001		<0.001		0.006	
<0.005		0.006		<0.001		<0.001		T/X	S

<0.005		0.010	<0.001		T/X	S	T/X	S
<0.005		<0.005	<0.001		<0.001		T/X	S
<0.005		0.005	<0.001		<0.001		0.007	
<0.005		0.008	<0.001		<0.001		0.008	
<0.005		0.008	<0.001		<0.001		T/X	S
<0.005		0.010	<0.001		0.002		0.021	
<0.005		<0.005	<0.001		<0.001		0.026	
<0.005		0.018	<0.001		<0.001		0.023	
<0.005		0.005	<0.001		<0.001		0.012	
<0.005		<0.005	<0.001		<0.001		0.007	
<0.005		0.010	<0.001		<0.001		<0.005	
<0.005		<0.005	<0.001		<0.001		T/X	S
<0.005		0.017	<0.001		T/X	S	T/X	S
<0.005		0.005	<0.001		<0.001		T/X	S
0.009		<0.005	<0.001		<0.001		0.034	
<0.005		0.010	<0.001		<0.001		0.018	
<0.005		<0.005	<0.001		<0.001		T/X	S
<0.005		<0.005	<0.001		<0.001		0.005	
<0.005		<0.005	<0.001		<0.001		<0.005	
<0.005		<0.005	<0.001		<0.001		<0.005	
<0.005		0.005	<0.001		<0.001		<0.005	
<0.005		<0.005	<0.001		<0.001		T/X	S
<0.005		<0.005	<0.001		T/X	S	0.006	
<0.005		0.016	<0.001		T/X	S	0.006	
<0.005		0.005	<0.001		T/X	S	T/X	S
<0.005		0.006	<0.001		<0.001		<0.005	
<0.005		<0.005	<0.001		**<0.001**	X	0.032	
<0.005		<0.005	<0.001		<0.001		T/X	A
<0.005		0.007	<0.001		<0.001		0.062	
<0.005		0.018	<0.001		<0.001		<0.005	
<0.005		0.007	<0.001		<0.001		0.006	
<0.005		<0.005	<0.001		<0.001		0.008	
<0.005		0.011	<0.001		<0.001		0.023	
<0.005		<0.005	<0.001		<0.001		T/X	S
<0.005		0.007	<0.001		T/X	S	T/X	S
<0.005		0.009	<0.001		0.001		0.015	
<0.005		<0.005	<0.001		<0.001		0.021	
<0.005	X	0.011	<0.001		**<0.001**	X	0.020	
<0.005		<0.005	<0.001		<0.001		0.009	
<0.005		<0.005	<0.001		0.002		0.007	
0.007		0.019	<0.001		<0.001		0.028	
<0.005		0.016	<0.001		<0.001		T/X	S
0.006		0.008	<0.001		T/X	S	T/X	S
0.008		<0.005	**<0.001**	**X**	<0.001		T/X	S
0.006		0.009	<0.001		<0.001		0.031	
<0.005		0.009	<0.001		<0.001		0.020	
<0.005		0.005	<0.001		**<0.001**	X	T/X	S

<0.005		0.008	<0.001	<0.001		0.018	
<0.005		0.007	<0.001	<0.001		0.009	
<0.005		0.007	<0.001	<0.001		0.009	
<0.005	X	<0.005	<0.001	<0.001		0.007	
<0.005		0.007	<0.001	0.002		0.009	
<0.005		<0.005	<0.001	<0.001		0.010	
<0.005		<0.005	<0.001	<0.001		T/X	S
<0.005		0.010	<0.001	T/X	S	T/X	S
<0.005		<0.005	<0.001	<0.001		T/X	S
0.006		<0.005	<0.001	<0.001		0.026	
0.014		0.009	<0.001	<0.001		0.009	
<0.005		<0.005	<0.001	<0.001		T/X	S
<0.005		<0.005	<0.001	<0.001		0.010	
<0.005		<0.005	<0.001	<0.001		0.013	
<0.005		0.018	<0.001	<0.001		0.007	
<0.005		0.005	<0.001	<0.001		0.006	
<0.005		<0.005	<0.001	0.002		0.009	
<0.005		0.007	<0.001	<0.001		0.018	
<0.005		<0.005	<0.001	<0.001		T/X	S
<0.005		0.007	<0.001	T/X	S	T/X	S
<0.005		<0.005	<0.001	<0.001		T/X	S
0.006		0.012	<0.001	<0.001		0.022	
<0.005		<0.005	<0.001	<0.001		0.009	
<0.005		<0.005	<0.001	<0.001		T/X	S
<0.005		0.015	<0.001	0.001		0.013	
<0.005		0.010	<0.001	<0.001		0.008	
<0.005		<0.005	<0.001	<0.001		0.006	
<0.005		<0.005	<0.001	<0.001		0.009	
<0.005		0.009	<0.001	<0.001		0.009	
<0.005		0.006	<0.001	<0.001		T/X	S
<0.005		0.008	<0.001	T/X	S	T/X	S
<0.005		<0.005	<0.001	<0.001		T/X	S
0.005		<0.005	<0.001	**<0.001**	AE	0.018	
<0.005		0.011	<0.001	<0.001		0.010	
<0.005		0.009	<0.001	<0.001		T/X	S
<0.005		<0.005	<0.001	<0.001		0.034	
<0.005	X	<0.005	<0.001	**<0.001**	X	0.031	
<0.005	X	0.006	<0.001	**<0.001**	X	**<0.005**	X
<0.005		0.009	<0.001	<0.001		0.025	
<0.005		<0.005	<0.001	<0.001		0.024	
<0.005		<0.005	<0.001	<0.001		T/X	S
<0.005	X	<0.005	<0.001	T/X	S	0.017	
<0.005		<0.005	<0.001	T/X	S	0.021	
<0.005		<0.005	<0.001	T/X	S	T/X	S
<0.005		<0.005	<0.001	<0.001		0.034	
<0.005		<0.005	<0.001	<0.001		0.030	
<0.005		<0.005	<0.001	<0.001		T/X	A

<0.005		0.008	<0.001		0.001	0.021	
0.005		0.005	<0.001		<0.001	0.026	
<0.005	X	<0.005	<0.001		**<0.001**	X 0.019	
<0.005	X	0.019	**<0.001**	X	<0.001	0.014	
<0.005		0.014	<0.001		<0.001	0.015	
<0.005		0.010	<0.001		<0.001	T/X	S
<0.005	X	0.008	<0.001		T/X	S 0.011	
<0.005		<0.005	<0.001		<0.001	T/X	A
<0.005		0.007	<0.001		T/X	S T/X	S
<0.005		0.006	<0.001		**<0.001**	X 0.015	
<0.005		<0.005	<0.001		0.001	0.019	
<0.005		<0.005	<0.001		<0.001	T/X	S
<0.005		<0.005	<0.001		<0.001	0.017	
<0.005		0.005	<0.001		<0.001	0.022	
<0.005		0.006	<0.001		<0.001	0.014	
<0.005		0.016	<0.001		<0.001	0.011	
<0.005		0.019	<0.001		<0.001	0.012	
<0.005		<0.005	<0.001		<0.001	T/X	K
<0.005		<0.005	<0.001		<0.001	0.010	
<0.005	X	0.010	<0.001		<0.001	0.009	
<0.005		0.006	**<0.001**	X	<0.001	0.009	
<0.005		<0.005	<0.001		<0.001	0.010	
<0.005		<0.005	<0.001		<0.001	T/X	S
<0.005		0.010	<0.001		<0.001	0.020	
<0.005		<0.005	<0.001		<0.001	0.022	
<0.005		<0.005	<0.001		<0.001	0.021	
<0.005		<0.005	<0.001		<0.001	0.013	
<0.005		0.010	<0.001		<0.001	0.014	
<0.005		0.010	<0.001		<0.001	T/X	S
<0.005		0.016	<0.001		T/X	S 0.008	
<0.005	X	0.005	<0.001		**<0.001**	X T/X	A
<0.005		<0.005	<0.001		T/X	S T/X	S
<0.005		0.008	<0.001		<0.001	0.012	
<0.005		<0.005	<0.001		<0.001	0.013	
<0.005		<0.005	<0.001		<0.001	T/X	S
<0.005		<0.005	<0.001		<0.001	0.018	
<0.005		<0.005	<0.001		<0.001	0.012	
<0.005		<0.005	<0.001		<0.001	0.017	
<0.005	X	0.014	<0.001		**<0.001**	X 0.010	
<0.005		0.010	<0.001		0.001	0.011	
<0.005		<0.005	<0.001		<0.001	T/X	K
<0.005		<0.005	<0.001		<0.001	<0.005	
<0.005		<0.005	<0.001		<0.001	0.007	
<0.005		0.015	<0.001		<0.001	0.008	
<0.005		<0.005	<0.001		<0.001	0.007	
<0.005		<0.005	<0.001		<0.001	T/X	S
<0.005		0.005	<0.001		0.001	0.012	

<0.005		<0.005	<0.001	<0.001		0.011	
<0.005		<0.005	<0.001	<0.001		0.006	
<0.005		0.016	<0.001	<0.001		0.007	
<0.005		0.012	<0.001	0.001		0.007	
<0.005		<0.005	<0.001	<0.001		T/X	K
<0.005		<0.005	<0.001	<0.001		0.006	
<0.005		<0.005	<0.001	<0.001		0.010	
<0.005		0.005	<0.001	<0.001		0.011	
<0.005		<0.005	<0.001	<0.001		0.010	
<0.005		<0.005	<0.001	<0.001		T/X	S
<0.005		<0.005	<0.001	<0.001		0.016	
<0.005		0.008	<0.001	<0.001		0.017	
<0.005		0.011	<0.001	<0.001		0.012	
<0.005		0.016	<0.001	<0.001		0.012	
<0.005		0.024	<0.001	0.002		0.010	
<0.005		0.013	<0.001	<0.001		T/X	K
<0.005		<0.005	<0.001	<0.001		0.006	
<0.005		<0.005	<0.001	<0.001		0.012	
<0.005		0.017	<0.001	<0.001		0.011	
<0.005		<0.005	<0.001	<0.001		0.026	
<0.005		<0.005	<0.001	<0.001		T/X	S
<0.005		0.018	<0.001	<0.001		0.030	
<0.005		<0.005	<0.001	<0.001		0.033	
<0.005		<0.005	<0.001	<0.001		0.027	
<0.005	X	<0.005	<0.001	**<0.001**	X	0.018	
<0.005		0.006	<0.001	<0.001		0.015	
<0.005		<0.005	<0.001	<0.001		T/X	S
<0.005		<0.005	<0.001	T/X	S	0.018	
<0.005		0.009	<0.001	T/X	S	0.018	
<0.005		<0.005	<0.001	T/X	S	T/X	S
<0.005		<0.005	<0.001	<0.001		0.015	
<0.005		0.005	<0.001	0.001		0.024	
<0.005		0.005	<0.001	0.001		0.018	
<0.005		<0.005	<0.001	<0.001		0.024	
<0.005		<0.005	<0.001	<0.001		0.025	
<0.005		0.018	<0.001	<0.001		0.015	
<0.005		0.010	<0.001	<0.001		0.009	
<0.005		0.010	<0.001	<0.001		T/X	S
<0.005		0.005	<0.001	T/X	S	0.007	
<0.005		<0.005	<0.001	<0.001		T/X	A
<0.005		<0.005	<0.001	T/X	S	T/X	S
<0.005		<0.005	<0.001	<0.001		0.012	
<0.005		<0.005	<0.001	<0.001		0.016	
<0.005		<0.005	<0.001	<0.001		T/X	S
<0.005		0.014	<0.001	<0.001		0.020	
<0.005		<0.005	<0.001	<0.001		0.021	
<0.005	X	<0.005	<0.001	**<0.001**	X	0.016	

<0.005		0.012	<0.001	<0.001		0.012		
<0.005		0.015	<0.001	0.001		0.011		
<0.005		<0.005	<0.001	0.001		T/X		K
<0.005	X	<0.005	<0.001	<0.001		0.009		
<0.005		0.009	<0.001	<0.001		0.011		
<0.005		0.006	<0.001	<0.001		0.013		
<0.005		<0.005	<0.001	<0.001		0.014		
<0.005		<0.005	<0.001	<0.001		T/X		S
<0.005		0.005	<0.001	<0.001		T/X		S
<0.005		0.006	<0.001	<0.001		0.008		
<0.005		<0.005	<0.001	0.001		T/X		S
<0.005		<0.005	<0.001	<0.001		0.026		
0.009		0.007	<0.001	<0.001		0.034		
<0.005		0.010	<0.001	<0.001		0.033		
<0.005		0.009	<0.001	<0.001		0.013		
<0.005		<0.005	<0.001	0.001		0.010		
0.008		<0.005	<0.001	<0.001		0.034		
<0.005		<0.005	<0.001	<0.001		T/X		S
0.007	X	0.008	<0.001	T/X	S	T/X		S
0.008		<0.005	<0.001	<0.001		T/X		S
0.013		0.011	<0.001	<0.001		0.053		
<0.005		0.017	<0.001	<0.001		0.026		
0.007		0.011	<0.001	0.001		T/X		S
<0.005		0.010	<0.001	<0.001		<0.005		
<0.005		<0.005	<0.001	<0.001		<0.005		
<0.005		<0.005	<0.001	0.001		<0.005		
<0.005		0.014	<0.001	<0.001		<0.005		
<0.005		<0.005	<0.001	<0.001		T/X		S
<0.005		0.013	<0.001	T/X	S	T/X		S
<0.005		<0.005	<0.001	<0.001		T/X		S
<0.005		0.006	<0.001	<0.001		<0.005		
<0.005		<0.005	<0.001	<0.001		0.006		
<0.005		<0.005	<0.001	<0.001		T/X		S
<0.005		0.010	<0.001	<0.001		0.022		
<0.005		<0.005	<0.001	<0.001		0.021		
<0.005		<0.005	<0.001	<0.001		0.021		
<0.005		0.008	<0.001	<0.001		0.016		
<0.005		0.025	<0.001	<0.001		0.019		
<0.005		<0.005	<0.001	<0.001		T/X		K
<0.005		<0.005	<0.001	<0.001		0.008		
<0.005		<0.005	<0.001	<0.001		0.007		
<0.005		<0.005	<0.001	<0.001		0.006		
<0.005		0.009	<0.001	<0.001		0.015		
<0.005		<0.005	<0.001	<0.001		T/X		S
<0.005		<0.005	<0.001	<0.001		0.009		
<0.005		<0.005	<0.001	<0.001		0.011		
<0.005		0.012	<0.001	<0.001		0.011		

<0.005		0.006		<0.001		0.006	
<0.005		0.006		<0.001		0.008	
<0.005		0.010		<0.001		0.009	
<0.005		<0.005		<0.001		T/X	S
<0.005		<0.005		<0.001	T/X	S	T/X S
<0.005		<0.005		<0.001		T/X	S
0.006		0.010		<0.001		0.016	
<0.005		0.010		<0.001		0.010	
<0.005		0.009		<0.001		T/X	S
<0.005		0.008		<0.001		0.024	
<0.005		<0.005		<0.001		0.021	
<0.005		<0.005		<0.001		0.018	
<0.005		0.006		<0.001		0.016	
<0.005	X	<0.005		<0.001	**<0.001**	X	**0.020** X
<0.005		<0.005		<0.001		0.019	
<0.005		0.005		<0.001		0.022	
<0.005		0.007		<0.001		0.023	
<0.005		0.018		<0.001		0.016	
<0.005		0.008		<0.001		0.015	
<0.005		0.005		<0.001		0.018	
<0.005		<0.005		<0.001		0.023	
<0.005		**0.005**	X	**<0.001**	X	<0.001	0.013
<0.005		0.013		<0.001		0.013	
<0.005		<0.005		<0.001		0.017	
<0.005		<0.005		<0.001		0.015	
<0.005		0.006		<0.001		0.013	
<0.005		0.010		<0.001		0.011	
<0.005		0.007		<0.001		0.001	0.011
<0.005	X	0.007		<0.001	**<0.001**	X	**0.013** X
<0.005		<0.005		<0.001		0.016	
<0.005		<0.005		<0.001		T/X	S
<0.005		0.023		<0.001		T/X	S
<0.005		<0.005		<0.001		T/X	K
T/X	AB	0.007		<0.001	T/X	AB	T/X AB
<0.005		<0.005		<0.001		T/X	S
<0.005		<0.005		<0.001	T/X	S	0.014
<0.005		0.013		<0.001		0.009	
<0.005		<0.005		<0.001	T/X	S	T/X S
<0.005	X	0.012		<0.001	T/X	S	0.008
<0.005		<0.005		<0.001		T/X	A
<0.005		0.015		<0.001		0.007	
<0.005		<0.005		<0.001		T/X	S
<0.005		<0.005		<0.001	T/X	S	T/X S
<0.005		<0.005		<0.001	T/X	S	T/X S
<0.005		<0.005		<0.001		0.011	
<0.005		0.013		<0.001		0.013	
<0.005		<0.005		<0.001		0.013	

<0.005	0.010	<0.001	**0.005**	X	0.028	
<0.005	0.008	<0.001	<0.001		0.017	
<0.005	<0.005	<0.001	0.001		0.020	
<0.005	<0.005	<0.001	<0.001		0.018	
<0.005	<0.005	<0.001	<0.001		T/X	S
<0.005	<0.005	<0.001	<0.001		T/X	S
<0.005	0.005	<0.001	<0.001		T/X	A
<0.005	<0.005	<0.001	<0.001		T/X	S
<0.005	<0.005	<0.001	<0.001		0.012	
<0.005	<0.005	<0.001	<0.001		0.011	
<0.005	<0.005	<0.001	<0.001		0.007	
<0.005	<0.005	<0.001	<0.001		0.007	
<0.005	<0.005	<0.001	<0.001		T/X	S
<0.005	<0.005	<0.001	T/X	S	0.010	
<0.005	0.007	<0.001	T/X	S	0.006	
<0.005	<0.005	<0.001	T/X	S	T/X	S
<0.005	<0.005	<0.001	<0.001		0.010	
<0.005	0.005	<0.001	<0.001		0.011	
<0.005	0.005	<0.001	**<0.001**	X	T/X	A
<0.005	<0.005	<0.001	<0.001		0.027	
<0.005	<0.005	<0.001	<0.001		0.016	
<0.005	<0.005	<0.001	<0.001		0.015	
<0.005	<0.005	<0.001	<0.001		0.011	
<0.005	0.009	<0.001	<0.001		0.010	
<0.005	0.006	<0.001	<0.001		T/X	S
<0.005	<0.005	<0.001	T/X	S	0.008	
<0.005	<0.005	<0.001	<0.001		T/X	A
<0.005	0.005	<0.001	T/X	S	T/X	S
<0.005	0.006	<0.001	<0.001		0.018	
<0.005	<0.005	<0.001	<0.001		0.025	
<0.005	<0.005	<0.001	<0.001		T/X	S
0.005	0.005	0.001	0.001		0.005	

Hardness mg/L	Hardness Qual code	Benzene ug/L	Benzene Qual code	Ethylbenzene ug/L	Ethylbenzene Qual code	Toluene ug/L	Toluene Qual code	Xylenes (total) ug/L
210		<2		<2		<2		<3
249								
271		<2		<2		<2		<3
212								
176		<2		<2		<2		<3
161								
137		<2		<2		<2		<3
151								
143		<2		<2		<2		<3
113								
181		<2		<2		<2		<3
183								
249		<2		<2		<2		<3
277								
289		<2		<2		<2		<3
309								
263		<2		<2		<2		<3
193								
169		<2		<2		<2		<3
173								
170		<2		<2		<2		<3
132								
236		<2		<2		<2		<3
235								
376								
359		<2		<2		<2		<3
360								
277		<2		<2		<2		<3
193								
311		<2		<2		<2		<3
259								
250		<2		<2		<2		<3
237								
293		<2		<2		<2		<3
262								
339		**<2**	ABI	**<2**	ABI	**<2**	ABI	**<3**
441								
460								
378								
136								
447								
129								

321
182
322
326
366
360
333
351
347
161
189
214
279
221
221
282
294
173
211
255
171
154
145
149
142
153
186
182
291
288
290
148
293
115
164
317

295	<2	<2	<2	<3
320				
283	<2	<2	<2	<3
220				
295	<2	<2	<2	<3
197				
251	<2	<2	<2	<3
240				
233	<2	<2	<2	<3
257				
278	<2	<2	<2	<3

367							
354	<2		<2		<2		<3
313							
272	<2		<2		<2		<3
192							
327	<2		<2		<2		<3
246							
245	<2		<2		<2		<3
284							
280	<2		<2		<2		<3
302							
345	<2		<2		<2		<3
370							
356	<2		<2		<2		<3
330							
273	<2		<2		<2		<3
195							
327	<2		<2		<2		<3
263							
236	<2		<2		<2		<3
261							
297	<2		<2		<2		<3
277							
349	**<2**	ABI	**<2**	ABI	**<2**	ABI	**<3**
363							
327							
284	<2		<2		<2		<3
193							
346	<2		<2		<2		<3
268							
253	<2		<2		<2		<3
261							
267	<2		<2		<2		<3
266							
345	**<2**	ABI	**<2**	ABI	**<2**	ABI	**<3**
241							
265	<2		<2		<2		<3
262							
346	<2		<2		<2		<3
285							
222	<2		<2		<2		<3
203							
202	<2		<2		<2		<3
176							
201	<2		<2		<2		<3
229							
229	<2		<2		<2		<3

213	<2	<2	<2	<3
270				
303	<2	<2	<2	<3
271				
242	<2	<2	<2	<3
173				
166	<2	<2	<2	<3
196				
201	<2	<2	<2	<3
166				
247	<2	<2	<2	<3
240				
269	<2	<2	<2	<3
334				
319	<2	<2	<2	<3
348				
298	<2	<2	<2	<3
239				
205	<2	<2	<2	<3
203				
196	<2	<2	<2	<3
224				
301	<2	<2	<2	<3
244	<2	<2	<2	<3
294				
308	<2	<2	<2	<3
295				
276	<2	<2	<2	<3
208				
156	<2	<2	<2	<3
202				
203	<2	<2	<2	<3
128				
192	<2	<2	<2	<3
278				
283	<2	<2	<2	<3
238				
284	<2	<2	<2	<3
291				
259	<2	<2	<2	<3
183				
170	<2	<2	<2	<3
189				
173	<2	<2	<2	<3
192				
271	<2	<2	<2	<3
274	<2	<2	<2	<3

414				
284	<2	<2	4	<3
436				
296	<2	<2	<2	<3
251				
246	<2	<2	<2	<3
234				
217	<2	<2	<2	<3
168				
348	<2	<2	<2	<3
306	<2	<2	<2	<3
309				
283	<2	<2	<2	<3
323				
269	<2	<2	<2	<3
213				
210	<2	<2	<2	<3
228				
201	<2	<2	<2	<3
203				
284	<2	<2	<2	<3
259				
291	<2	<2	<2	<3
289				
351	<2	<2	<2	<3
305				
247	<2	<2	<2	<3
169				
202	<2	<2	<2	<3
187				
150	<2	<2	<2	<3
266				
217	<2	<2	<2	<3
285				
287	<2	<2	<2	<3
295				
185	<2	<2	<2	<3
176				
151	<2	<2	<2	<3
179				
166	<2	<2	<2	<3
123				
243	<2	<2	<2	<3
238				
337	<2	<2	<2	<3
296				
278	<2	<2	<2	<3

318				
270	<2	<2	<2	<3
214				
212	<2	<2	<2	<3
218				
193	<2	<2	<2	<3
202				
278	<2	<2	<2	<3
160				
198				
453	<2	<2	<2	<3
368				
342	<2	<2	<2	<3
373				
400	<2	<2	<2	<3
205				
326	<2	<2	<2	<3
242				
323	<2	<2	<2	<3
280				
262	<2	<2	<2	<3
297				
316	<2	<2	<2	<3
380				
322	<2	<2	<2	<3
149				
331	<2	<2	<2	<3
221				
226	<2	<2	<2	<3
218				
208	<2	<2	<2	<3
282				
356	<2	<2	<2	<3
384	<2	<2	<2	<3
333				
294	<2	<2	<2	<3
321				
331	<2	<2	<2	<3
261				
224	<2	<2	<2	<3
215				
207	<2	<2	<2	<3
197				
432	<2	<2	<2	<3
374				
341	<2	<2	<2	<3
330				

278	<2		<2		<2		<3
182							
337	<2		<2		<2		<3
268							
254	<2		<2		<2		<3
239							
279	<2		<2		<2		<3
248							
364	**<2**	ABI	**<2**	ABI	**<2**	ABI	**<3**
293							
257	<2		<2		<2		<3
227							
284							
306							
274							
292							
302							
279							
284							
303	<2		<2		<2		<3
296							
272							
275							
306							
318							
297							
245	<2		<2		<2		<3
261							
231							
259							
261							
241							
199							
197							
214							
165							
216							
202							
207							
217							
208							
200							
201							
200	<2		<2		<2		<3
203							
194							
210							

250				
241				
258				
210	<2	<2	<2	<3
284				
294				
290				
286				
365	<2	<2	<2	<3
381				
326	<2	<2	<2	<3
277				
306	<2	<2	<2	<3
144				
215	<2	<2	<2	<3
236				
168	<2	<2	<2	<3
306				
318	<2	<2	<2	<3
146	<2	<2	6	<3
224				
260	<2	<2	<2	<3
284				
183	<2	<2	<2	<3
177				
155	<2	<2	<2	<3
183				
195	<2	<2	<2	<3
231				
254	<2	<2	<2	<3
247				
	2	2	2	3

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.

Sometimes the soluble metal concentration may exceed the total metal concentration for the following 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.

Where Total Mercury is below 2 times the LOQ of 0.2 ug/L, the Soluble Mercury Analysis is not 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.

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

Due to the current construction at our Elmhurst Road site (WW_77) on Higgins Creek anticipated to last another year, we will be temporarily replacing it with a newly created site at Oakton Street (WW_113) until further notice. Any samples that were scheduled for Elmhurst Road (WW_77) will now be collected at Oakton Street (WW_113). The change will take place starting next Monday **5/2/2016**.

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.
AH= Regulatory limit exceedance, result not confirmed
AI= Regulatory limit exceedance, confirmed but not within 20% highest result reported
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
AM= High results not found historically for this sample point. Sampling point

resampled on XX-XXX-XXXX.

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
AAB= Result greater than IL WW standard; no sample remaining to confirm result.
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.
AAH= LCS failed higher than the recovery limits and there are hits found in sample for alpha BHC a
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
ABI= Field Blank not included with sample
ABJ= Technician lacked DOC and no cosigner was used
AGG= Compromised sample.

Ambient Water Quality Monitoring Program

WW Code	Location Description
WW_12	Buffalo Creek @ Lake-Cook Rd.
WW_13	Des Plaines River @ Lake-Cook Rd.
WW_17	Des Plaines River @ Oakton St.
WW_18*	Salt Creek @ Devon Ave.
WW_19*	Des Plaines River @ Belmont Ave.
WW_20	Des Plaines River @ Roosevelt Rd.
WW_21	Salt Creek @ First Ave.
WW_22*	Des Plaines River @ Ogden Ave.
WW_23*	Des Plaines River @ Willow Springs Rd.
WW_24	Salt Creek @ Wolf Rd.
WW_29	Des Plaines River @ Stephen St.
WW_31	Middle Fork, North Branch Chicago River @ Lake-Cook Rd.
WW_32	Skokie River @ Lake–Cook Rd.
WW_34	North Branch Chicago River @ Dempster St..
WW_35	North Shore Channel @ Central Ave.
WW_36*	North Shore Channel @ Touhy Ave.
WW_37	North Branch Chicago River @ Wilson Ave.
WW_39	South Branch Chicago River @ Madison St.
WW_40	Chicago Sanitary & Ship Canal @ Damen Ave.
WW_41*	Chicago Sanitary & Ship Canal @ Harlem Ave.
WW_42	Chicago Sanitary & Ship Canal @ Route # 83
WW_43*	Cal-Sag Channel @ Route # 83
WW_46	North Branch Chicago River @ Grand Ave.
WW_48*	Chicago Sanitary & Ship Canal @ Stephen St.
WW_49	Calumet River @ Ewing St.
WW_50	Wolf Lake @ 127th St.
WW_52	Little Calumet River @ Wentworth Ave.
WW_54	Thorn Creek @ Joe Orr Rd.
WW_55	Calumet River @ 130th St.
WW_56*	Little Calumet River @ Indiana Ave.
WW_57*	Little Calumet River @ Ashland Ave.
WW_58*	Cal-Sag Channel @ Ashland Ave.
WW_59*	Cal-Sag Channel @ Cicero Ave.
WW_63	West Branch DuPage River @ Longmeadow Ln.
WW_64	West Branch DuPage River @ Lake St.
WW_73*	North Branch Chicago River @ Diversey Ave.
WW_74	Chicago River @ Lake Shore Drive
WW_75	Chicago Sanitary & Ship Canal @ Cicero Ave.
WW_76*	Little Calumet River @ Halsted St.
WW_77	Higgins Creek @ Elmhurst Rd.
WW_78*	Higgins Creek @ Wille Rd.
WW_79*	Salt Creek @ Higgins Rd.

WW_80	Salt Creek @ Arlington Hts. Rd.
WW_86*	Grand Calumet River @ Burnham Ave.
WW_89	West Branch DuPage River @ Walnut Lane
WW_90	Poplar Creek @ Rt. 19
WW_91*	Des Plaines River @ Material Service Rd.
WW_92*	Chicago Sanitary & Ship Canal @ Lockport Powerhouse Forebay
WW_93	Des Plaines River @ Jefferson St.
WW_94	Des Plaines River @ Empress Casino
WW_95	Des Plaines River @ I-55 & Jackson Creek
WW_96*	North Branch Chicago River @ Albany Ave.
WW_97	Thorn Creek @ 170th St.
WW_98	South Branch Chicago River @ Halsted St.
WW_99*	South Fork, South Branch Chicago River @ Archer Ave.
WW_100*	Chicago River Main Stem @ Wells St.
WW_101	North Shore Channel @ Foster Ave.
WW_102	North Shore Channel @ Oakton Ave.
WW_103	West Fork, North Branch Chicago River @ Golf Rd.
WW_104	North Branch Chicago River @ Glenview Rd.
WW_105	Skokie River @ West Frontage Rd.
WW_106	West Fork, North Branch Chicago River @ Dundee Rd.
WW_107	Chicago Sanitary &Ship Canal @ Western Ave.
WW_108*	South Branch Chicago River @ Loomis St.
WW_109*	Salt Creek @ Brookfield Ave.
WW_110*	West Branch DuPage River @ Springinsguth Rd.
WW_111*	West Branch DuPage River @ Arlington Dr.
WW_112*	North Shore Channel @ Dempster St.

***Denotes active station in 2016**

North Latitude	West Longitude
42° 09' 07.10"	-87° 58' 09.44"
42° 09' 12.16"	-87° 54' 36.80"
42° 01' 30.59"	-87° 52' 29.86"
41° 59' 34.27"	-87° 59' 42.99"
41°56' 14.74"	-87° 50' 59.14"
41° 51' 52.79"	-87° 49' 38.79"
41° 49' 05.82"	-87° 51' 01.15"
41° 49' 15.36"	-87° 48' 39.24"
41° 44' 08.31"	-87° 52' 53.32"
41° 49' 33.03"	-87° 54' 01.31"
41° 40' 53.94"	-88° 00' 08.82"
42° 09' 09.47"	-87° 49' 06.14"
42° 09' 09.31"	-87° 47' 37.75"
42° 02' 27.69"	-87° 47' 15.98"
42° 03' 51.55"	-87° 41' 13.80"
42° 00' 42.97"	-87° 42' 37.57"
41° 57' 53.45"	-87° 41' 50.02"
41° 52' 55.26"	-87° 38' 17.86"
41° 50' 30.16"	-87° 40' 31.40"
41° 48' 04.36"	-87° 48' 06.80"
41° 42' 07.37"	-87° 56' 23.65"
41° 41' 46.82"	-87° 56' 10.71"
41° 53' 29.42"	-87° 38' 28.38"
41° 40' 46.38"	-87° 59' 58.52"
41° 43' 39.44"	-87° 32' 29.35"
41° 39' 52.88"	-87° 32' 19.25"
41° 35' 06.34"	-87° 31' 46.89"
41° 31' 14.26"	-87° 37' 31.62"
41° 39' 33.48"	-87° 34' 21.66"
41° 39' 01.19"	-87° 37' 01.64"
41° 39' 06.04"	-87° 39' 38.13"
41° 39' 18.58"	-87° 39' 37.68"
41° 39' 19.23"	-87° 44' 17.67"
42° 00' 02.38"	-88° 08' 09.75"
41° 58' 42.55"	-88° 07' 59.60"
41° 55' 56.49"	-87° 40' 58.38"
41° 53' 18.50"	-87° 36' 49.95"
41° 49' 10.47"	-87° 44' 35.93"
41° 39' 27.05"	-87° 38' 28.13"
42° 01' 17.08"	-87° 56' 26.21"
42° 01' 07.08"	-87° 56' 12.16"
41° 59' 49.42"	-87° 52' 45.70"

42° 00' 44.27"	-88° 00' 03.92"
41° 37' 52.75"	-87° 32' 20.76"
41° 59' 45.02"	-88° 08' 10.87"
42° 01' 50.06"	-88° 14' 30.70"
41° 35' 47.64"	-88° 04' 06.72"
41° 34' 14.12"	-88° 04' 41.95"
41° 31' 29.90"	-88° 05' 11.74"
41° 28' 40.24"	-88° 08' 39.93"
41° 25' 55.13"	-88° 10' 22.84"
41° 58' 27.42"	-87° 42' 22.12"
41° 35' 11.90"	-87° 34' 32.96"
41° 50' 57.58"	-87° 38' 46.84"
41° 50' 18.78"	-87° 39' 50.34"
41° 53' 15.01"	-87° 38' 02.91"
41° 58' 33.18"	-87° 42' 17.05"
42° 01' 35.53"	-87° 42' 36.24"
42° 03' 19.37"	-87° 46' 30.73"
42° 04' 08.30"	-87° 46' 28.15"
42° 05' 19.96"	-87° 45' 35.47"
42° 08' 18.05"	-87° 50' 05.45"
41° 50' 16.74"	-87° 41' 05.58"
41° 50' 45.24"	-87° 39' 38.31"
41° 49' 22.12"	-87° 50' 29.56"
42° 00' 29.75"	-88° 07' 08.80"
41° 58' 29.94"	-88° 08' 19.05"
42° 02' 27.53"	-87° 42' 34.99"

Part D. Summary of Year 16 Stormwater Activities

The following table summarizes the BMPs committed to for Year 16. Specific BMPs and measurable goals for Year 16 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 16 to more accurately reflect the current program activities.

Note: X indicates BMPs committed to for Year 16.

Year 16 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 16 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 14

Project Name	Project Size (acres)	Construction Start Date	Construction End Date
Union Pacific ROW Parking Lot	1.4	May 2017	October 2017
Touhy Overpass	1.4	December 2017	Ongoing