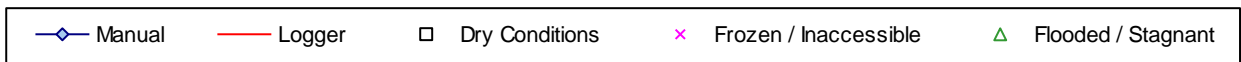
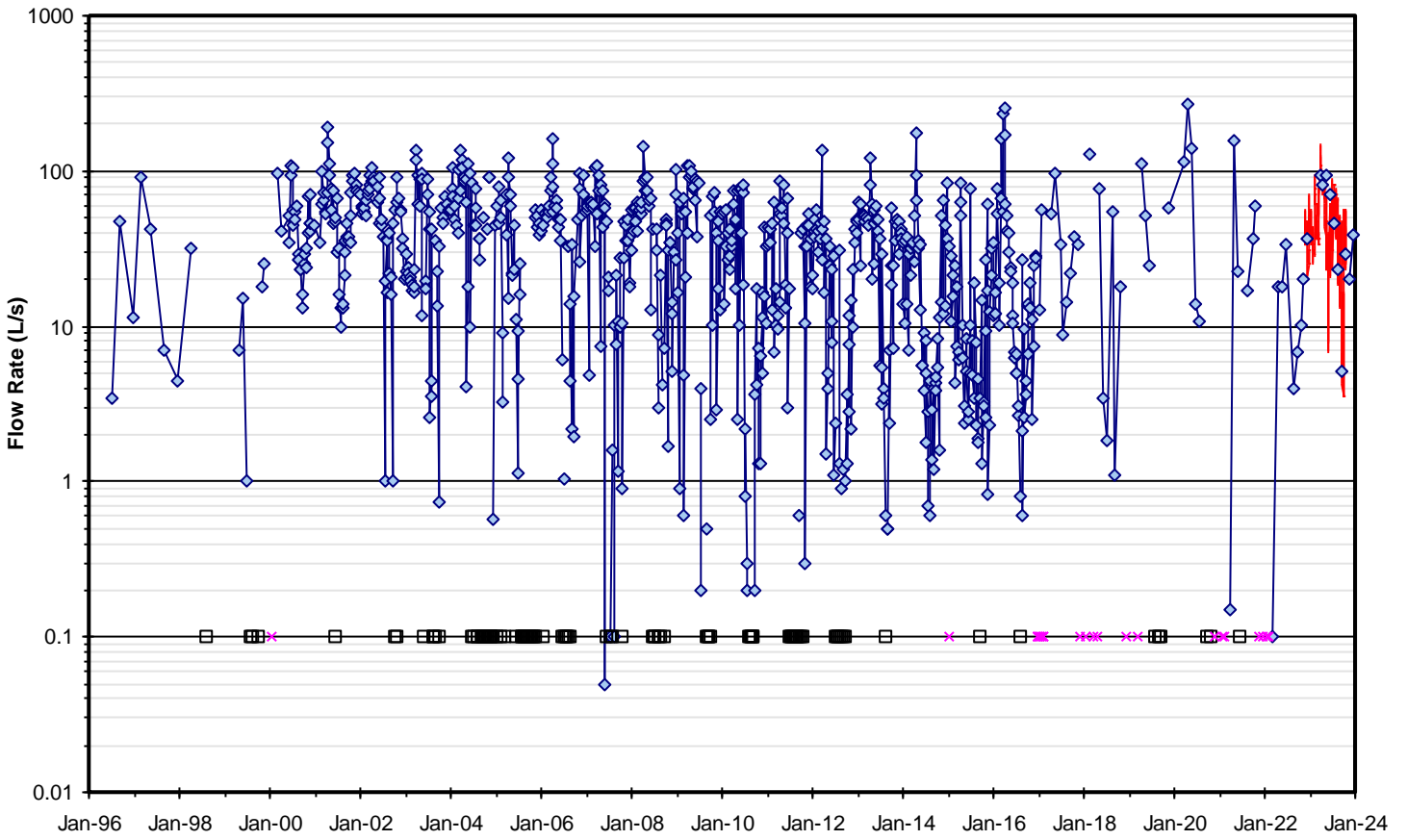
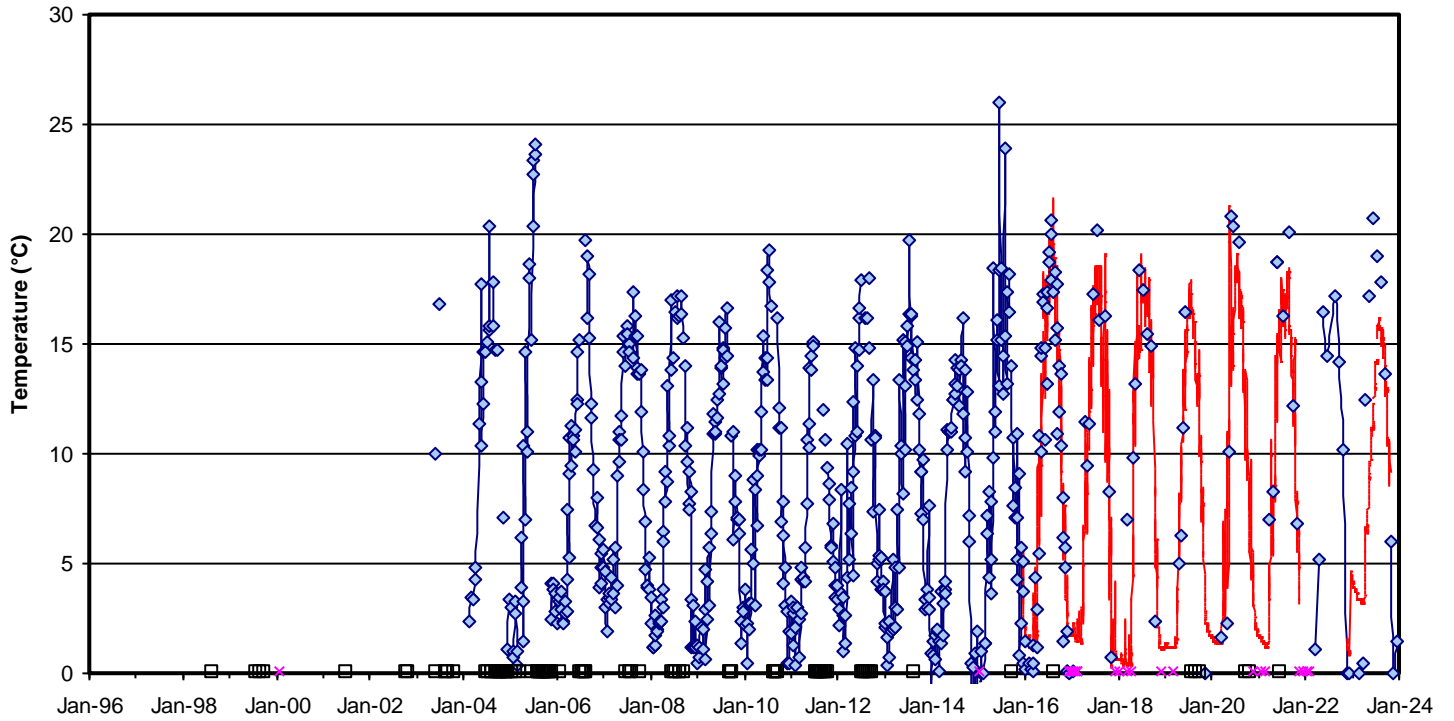


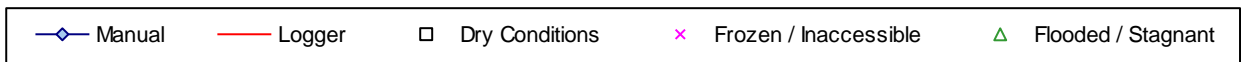
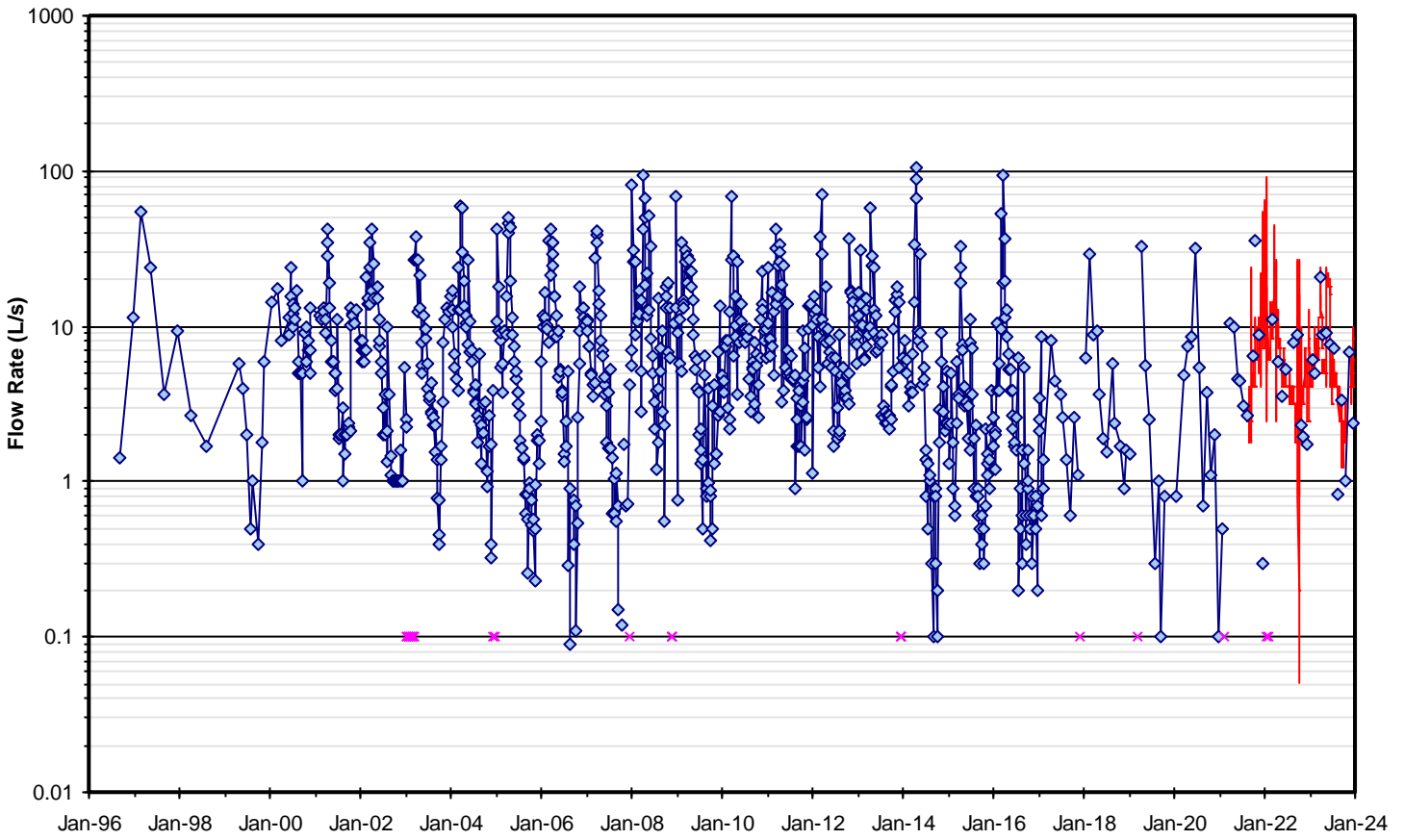
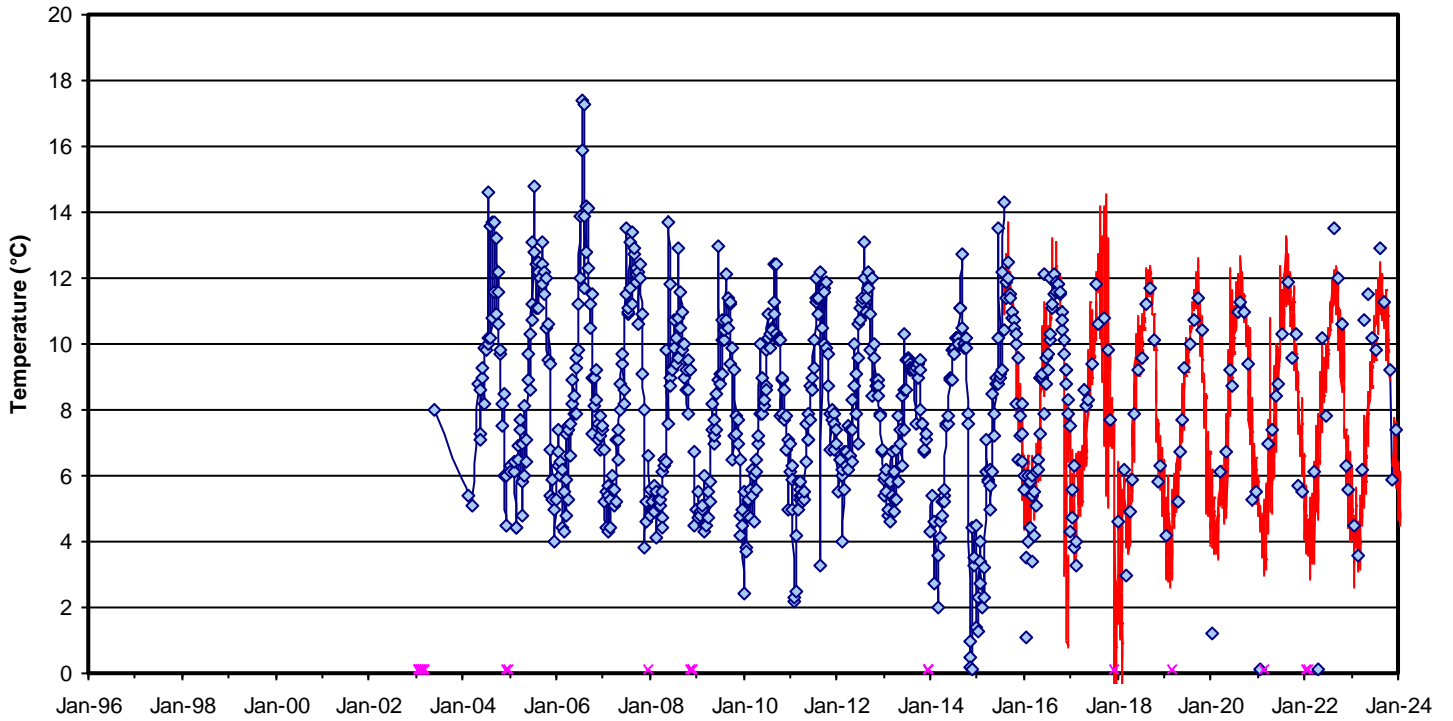
**APPENDIX C**

**Surface Water Data**

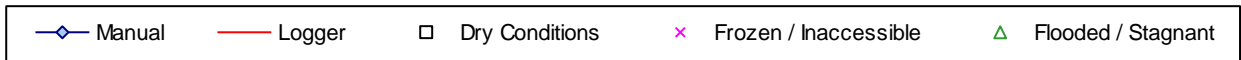
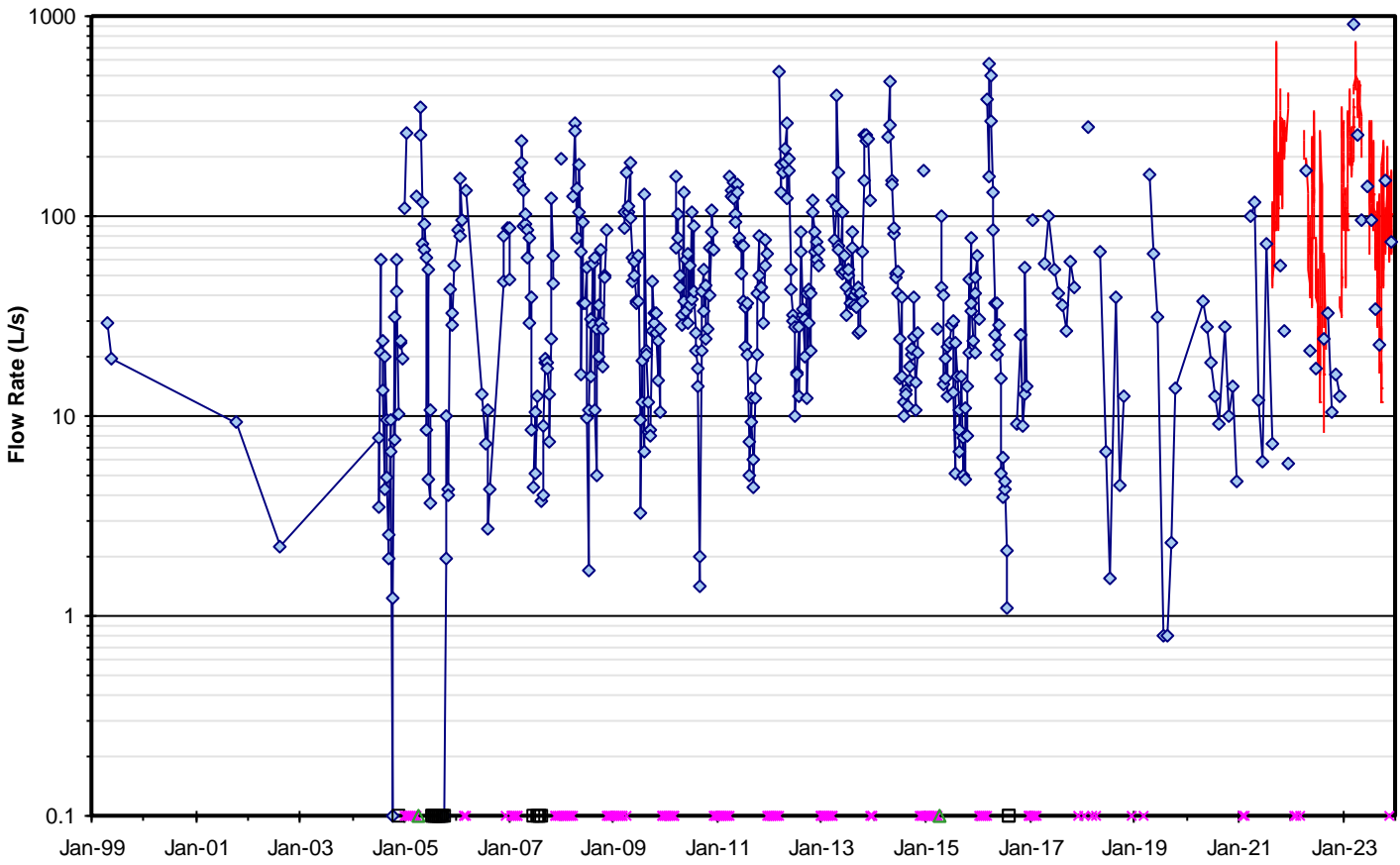
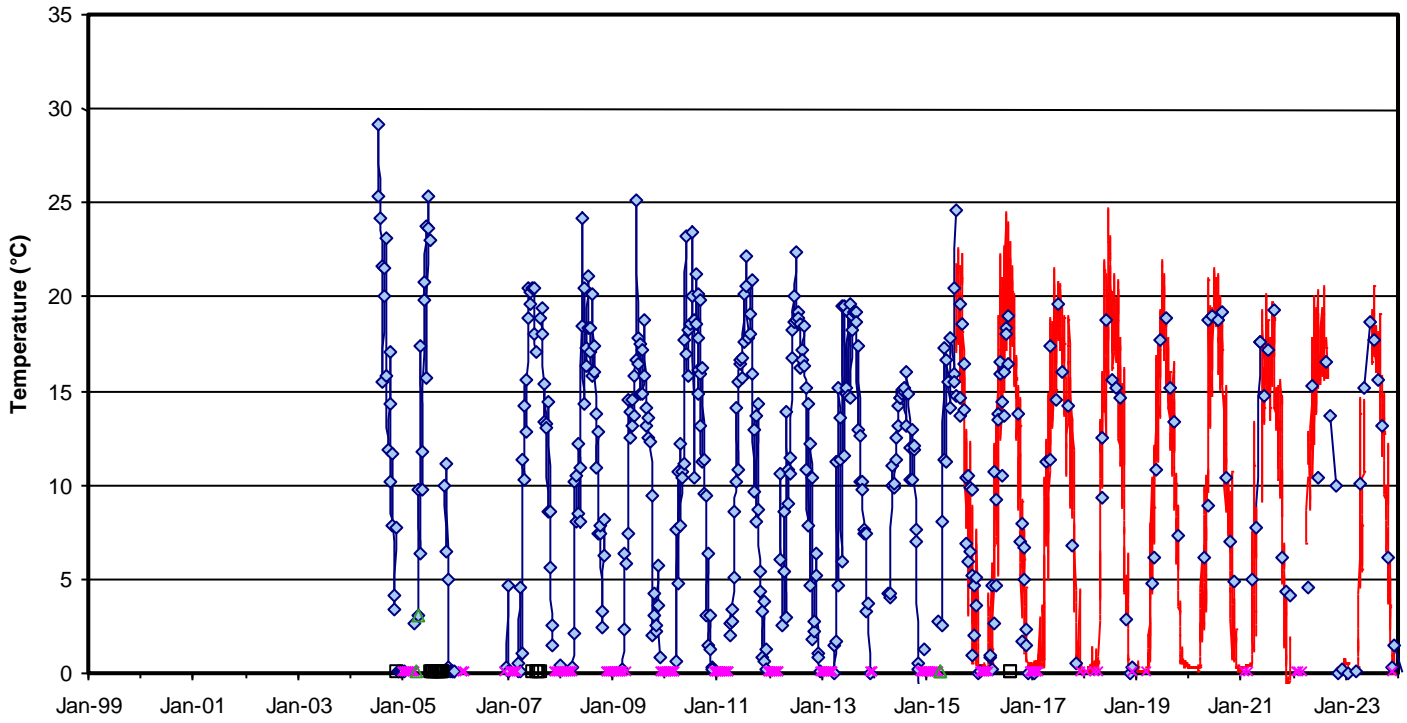
**Figure C-1 Surface Water Temperature and Flow**  
**SWI - Rob Roy Swamp 6 Quarry Discharge**



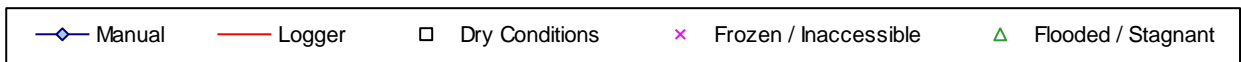
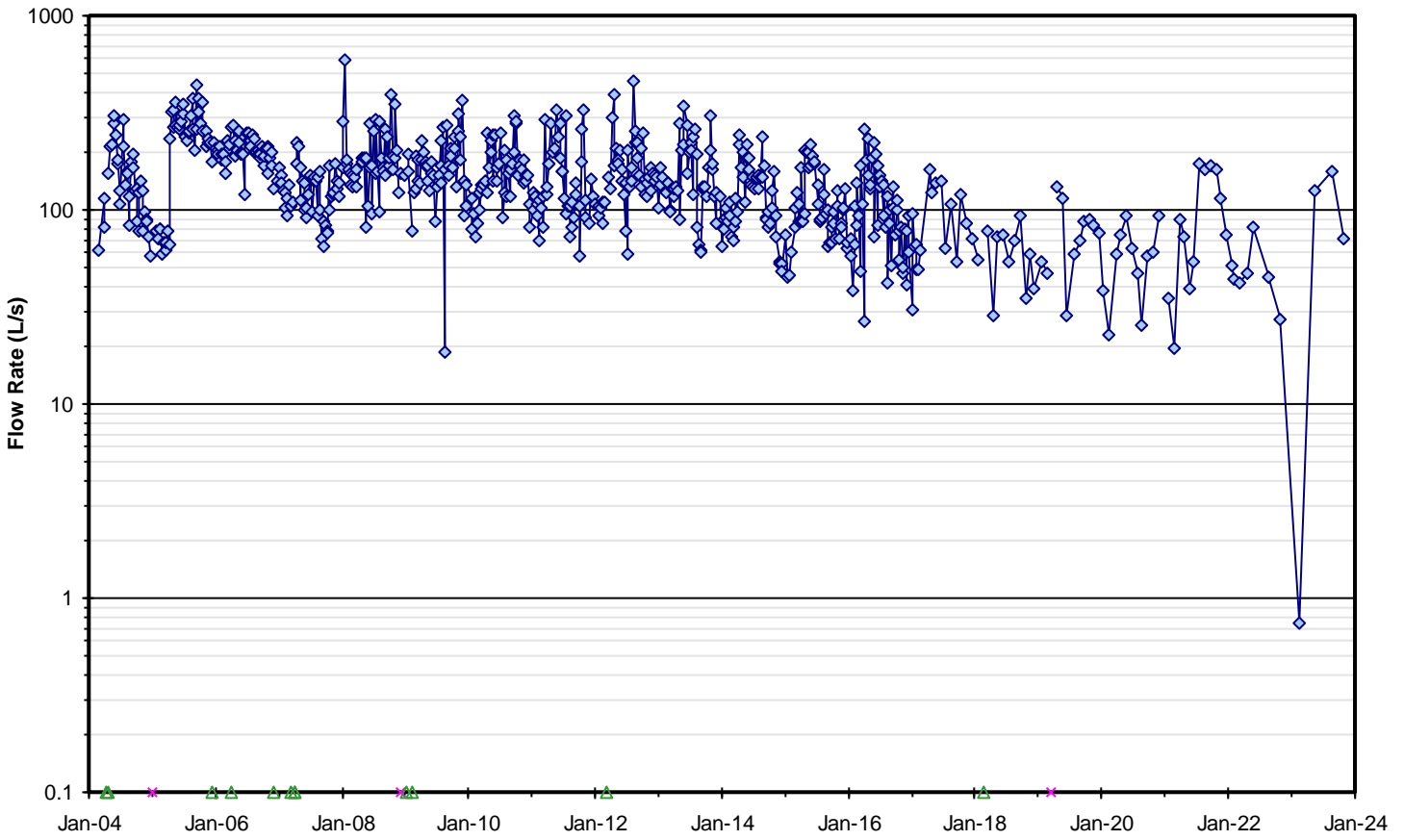
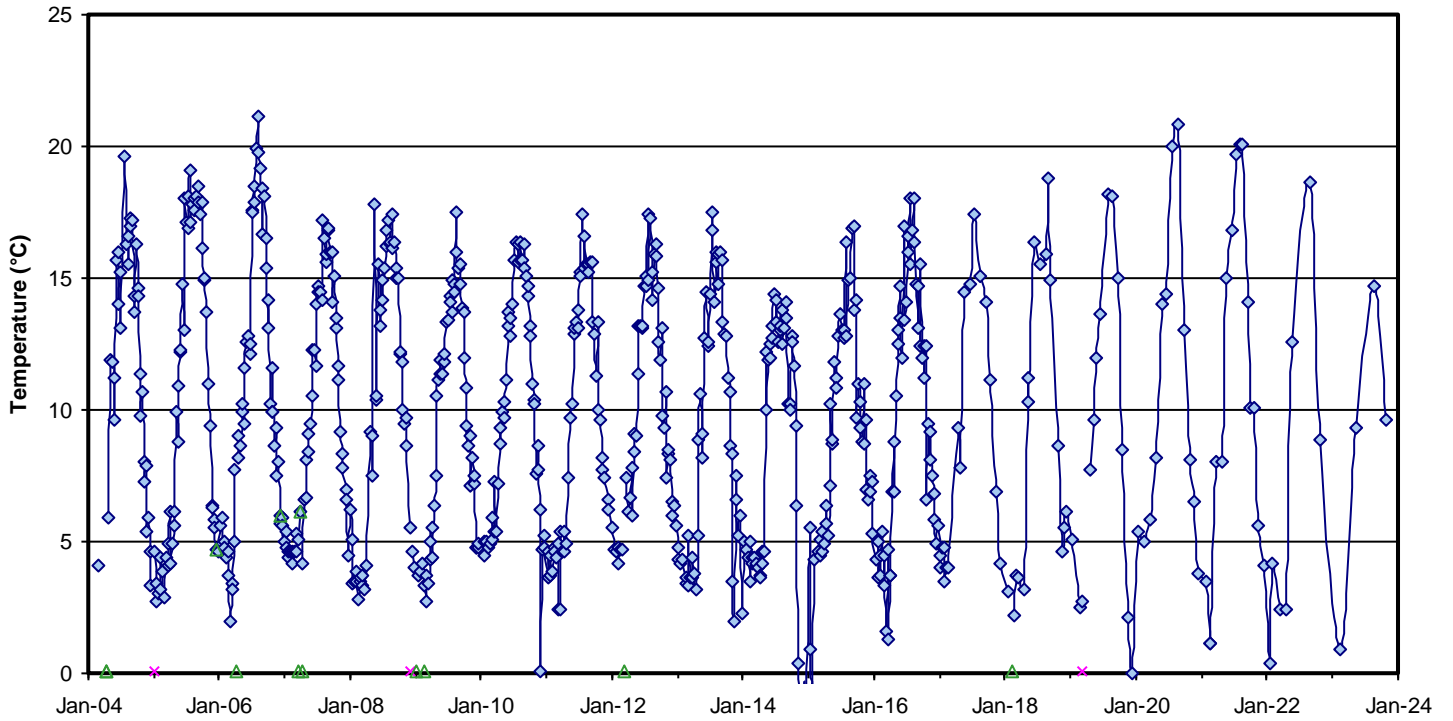
**Figure C-2 Surface Water Temperature and Flow**  
**SW2 - Rob Roy Swamp 6 Culvert south of County Rd 91**



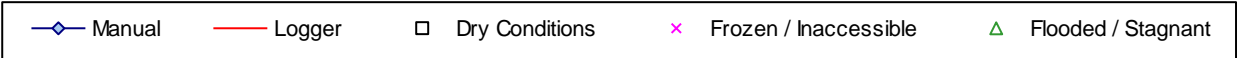
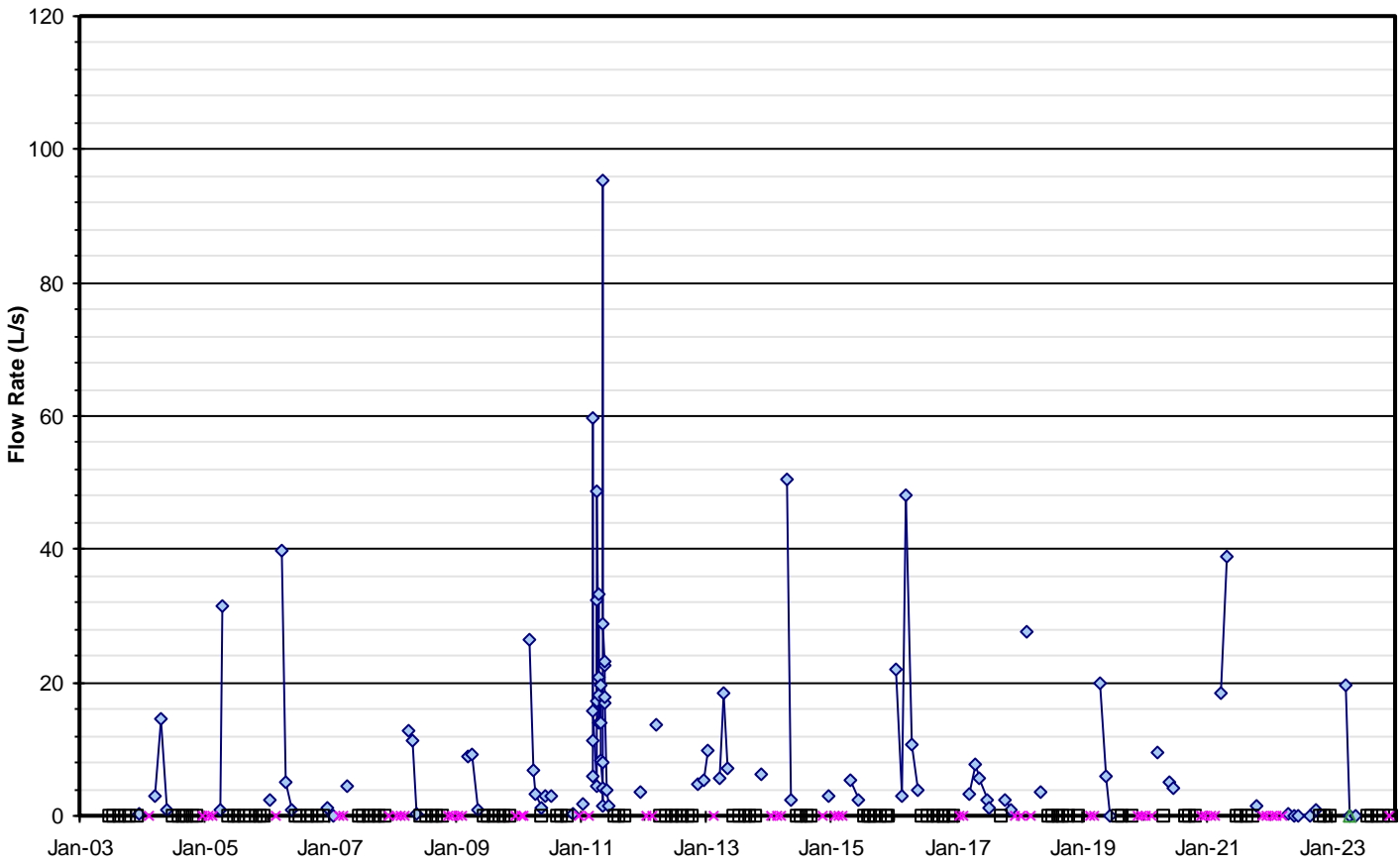
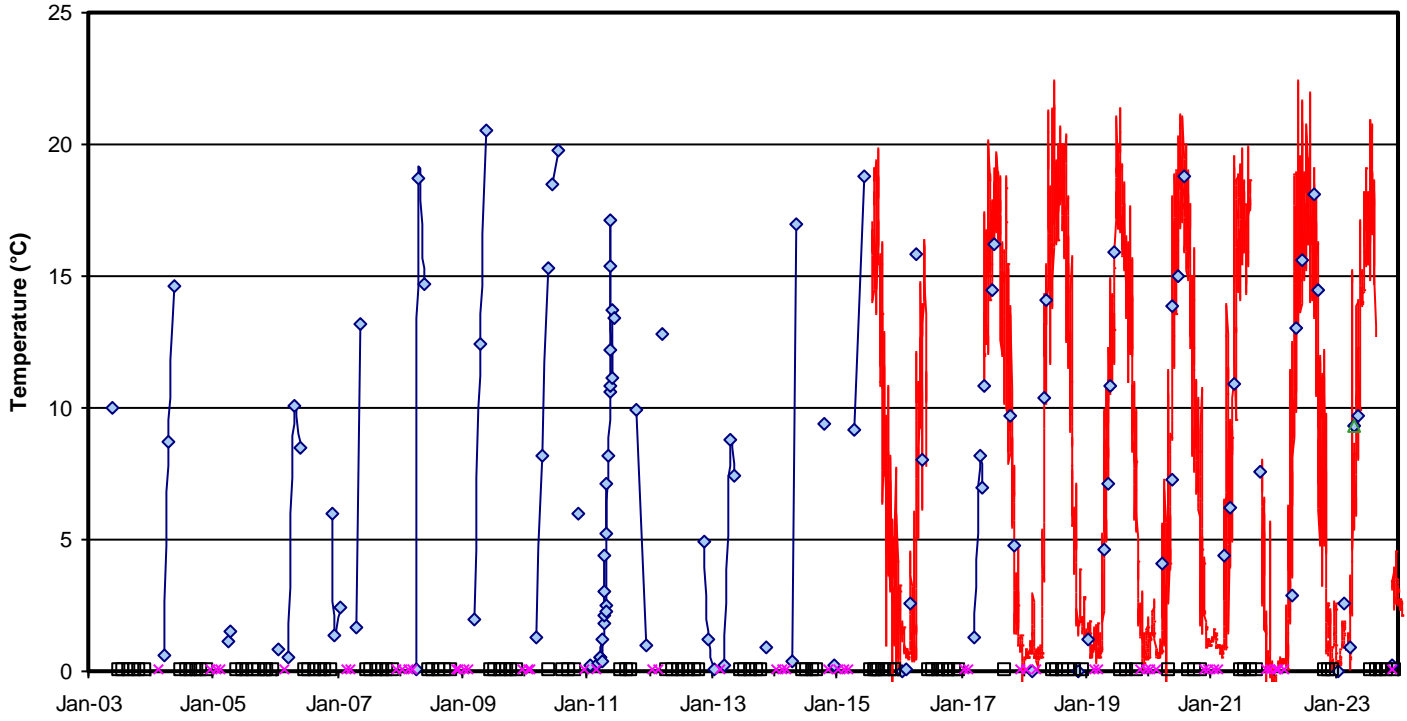
**Figure C-3 Surface Water Temperature and Flow**  
**SW0-2 - Rob Roy Swamp 6 Northwest Outlet**



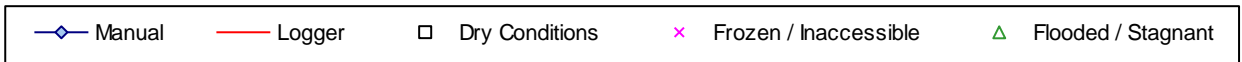
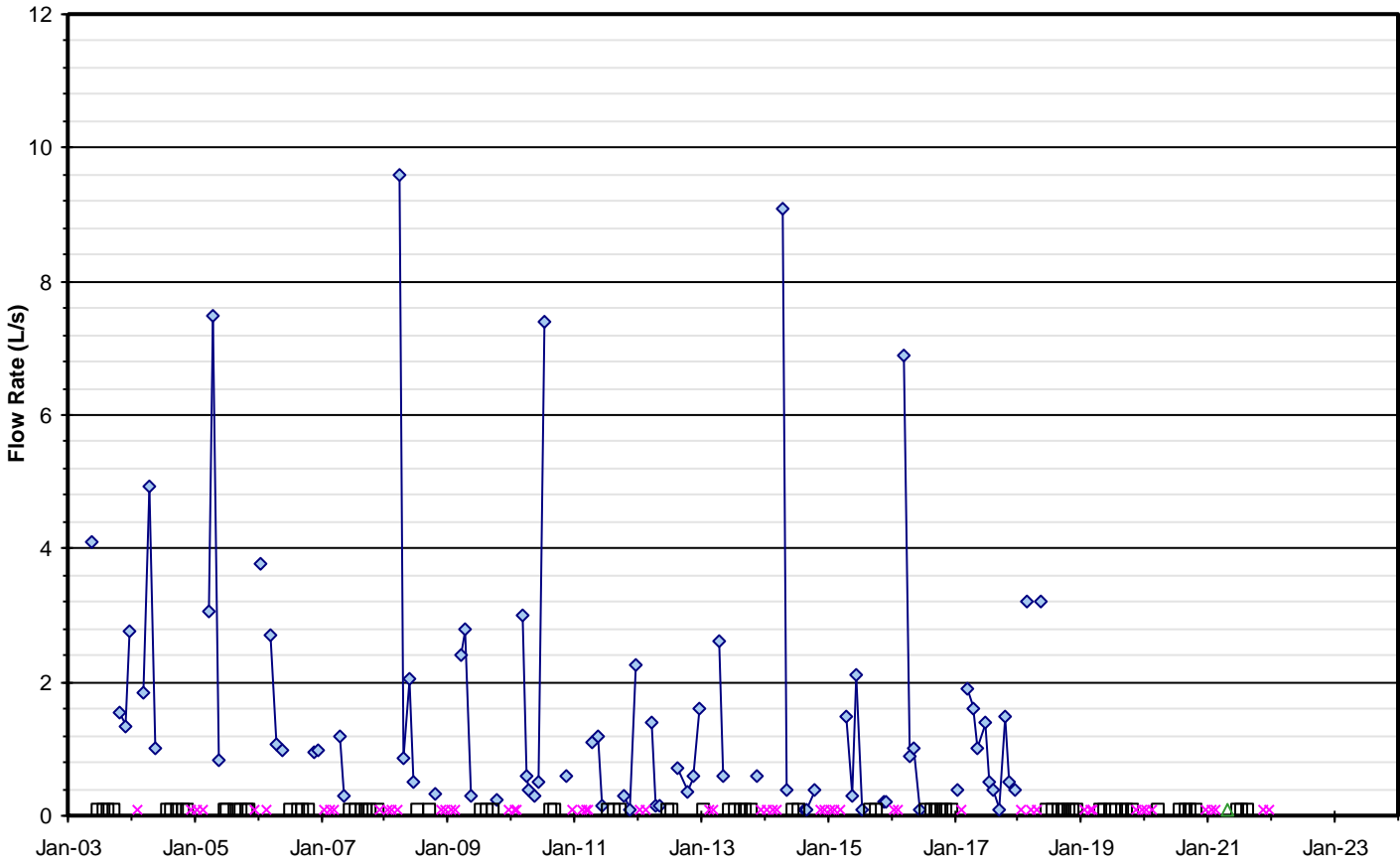
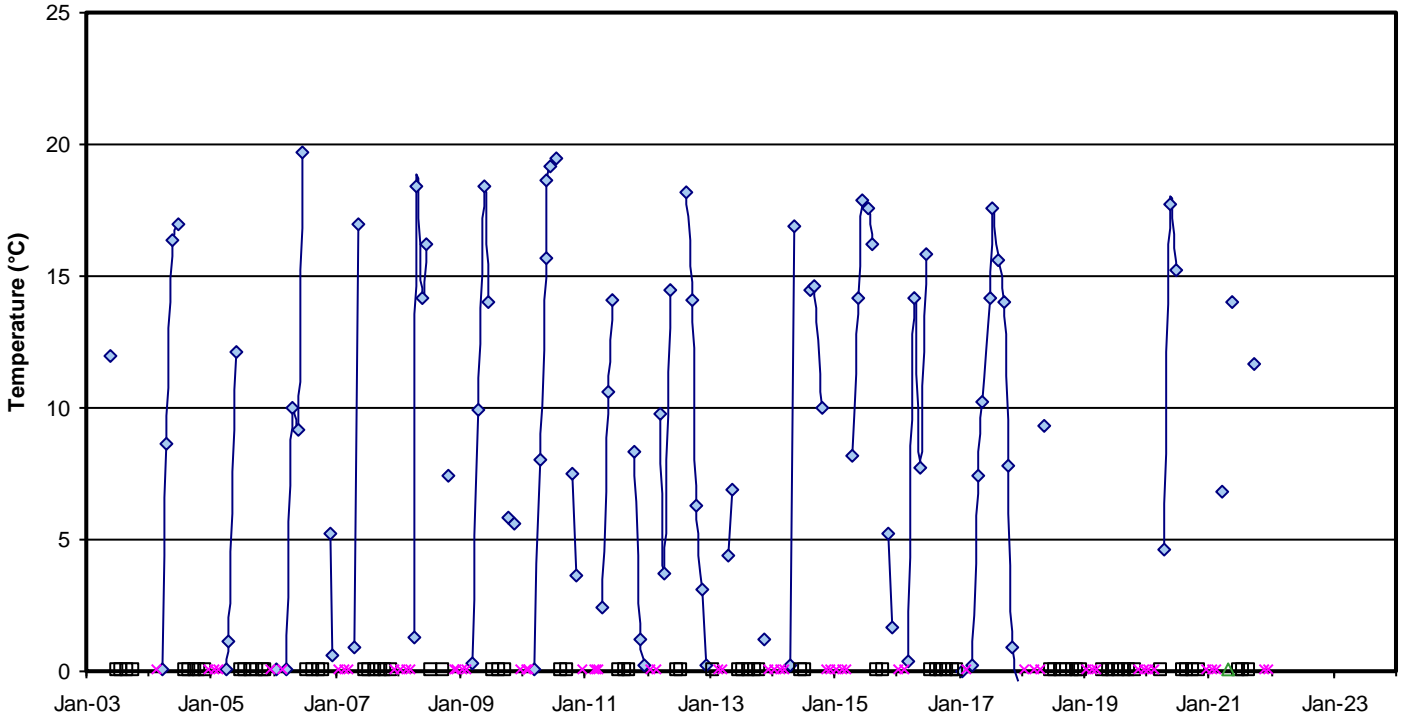
**Figure C-4 Surface Water Temperature and Flow**  
**QFSW2 - Main Quarry Sump 1 Discharge**



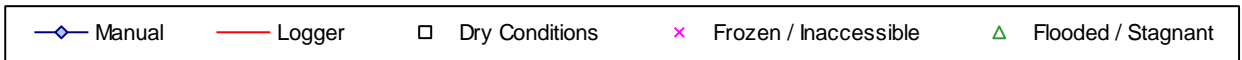
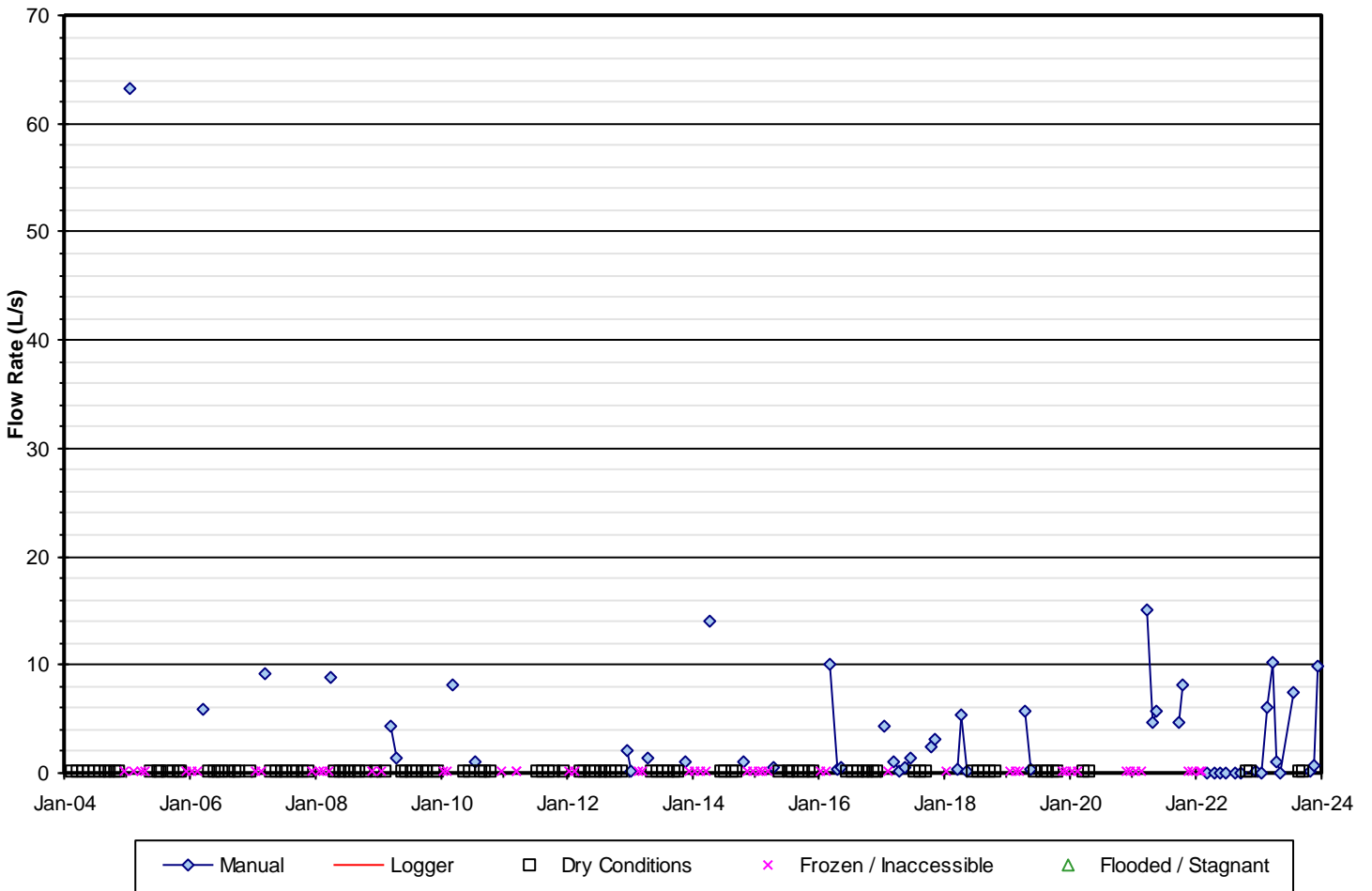
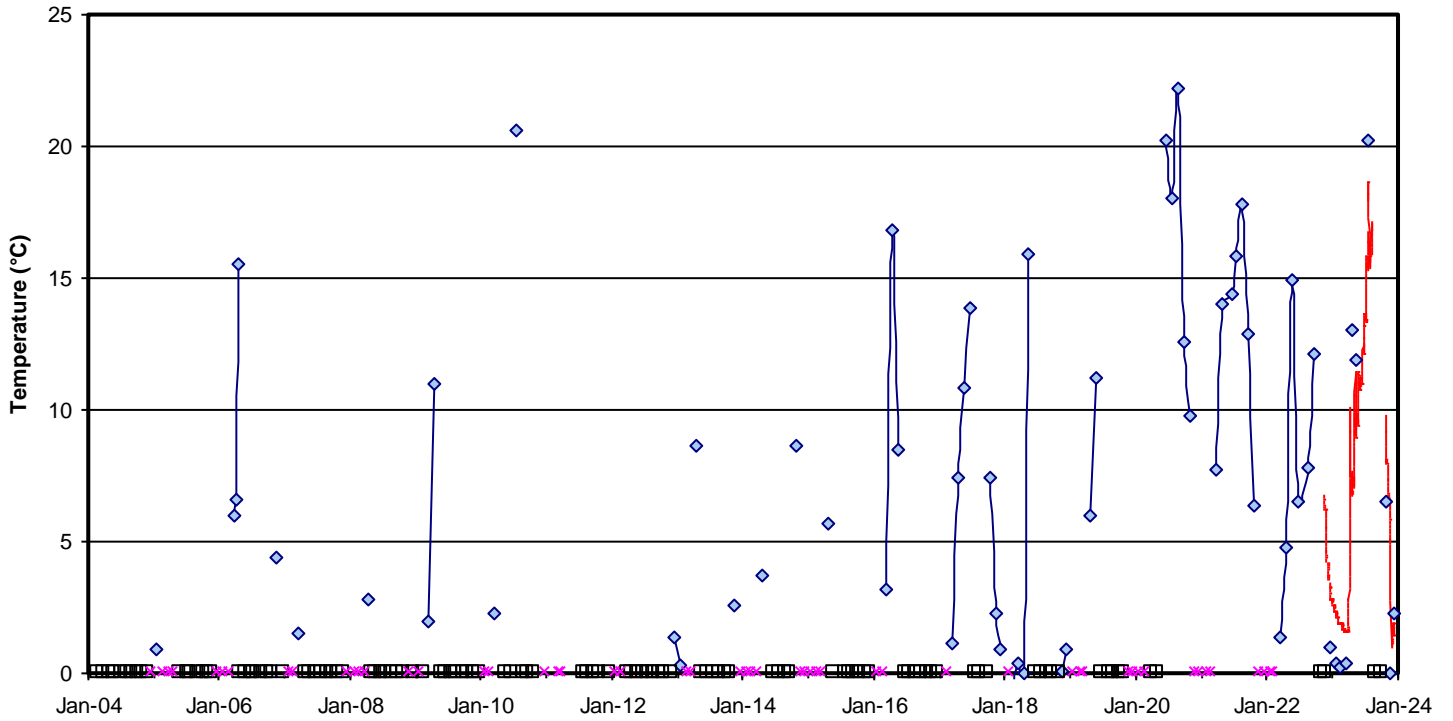
**Figure C-5 Surface Water Temperature and Flow**  
**SW3 - Rob Roy Swamp 2 West Outlet**



**Figure C-6 Surface Water Temperature and Flow**  
**SW3A - Rob Roy Swamp 1 Culvert Under County Road 31**

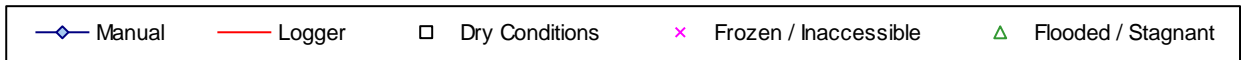
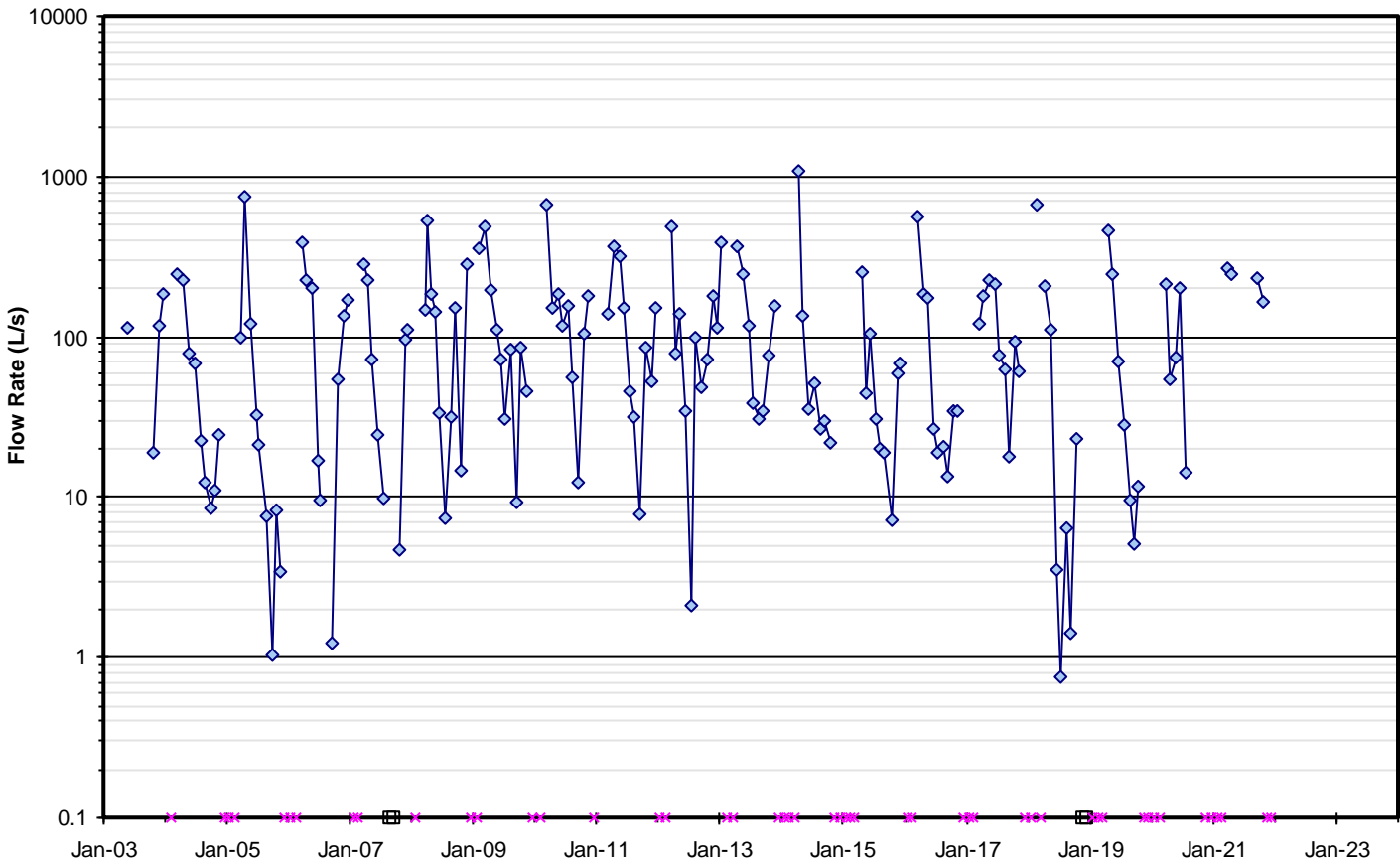
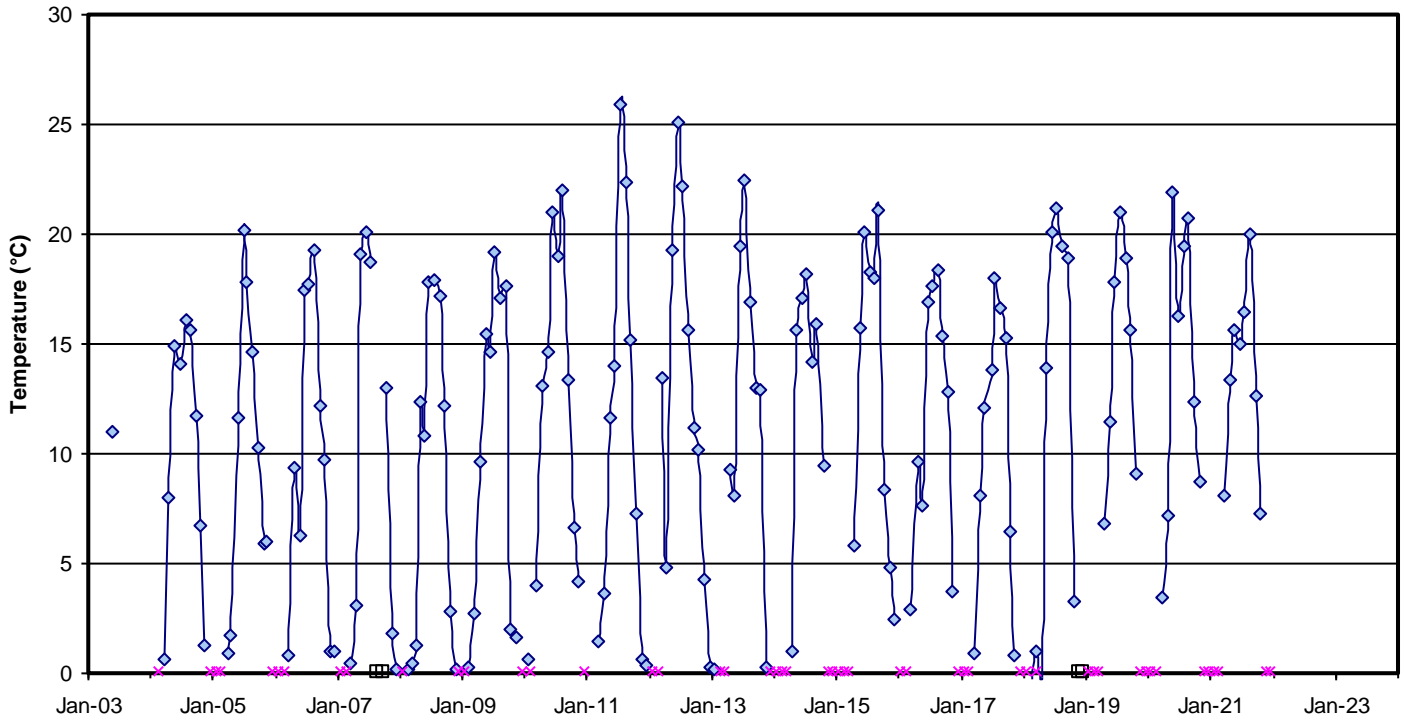


**Figure C-7 Surface Water Temperature and Flow**  
**SW4 - Rob Roy Swamp 6 Inlet at Southwest**

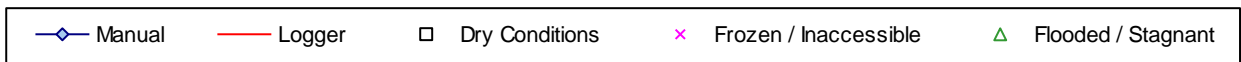
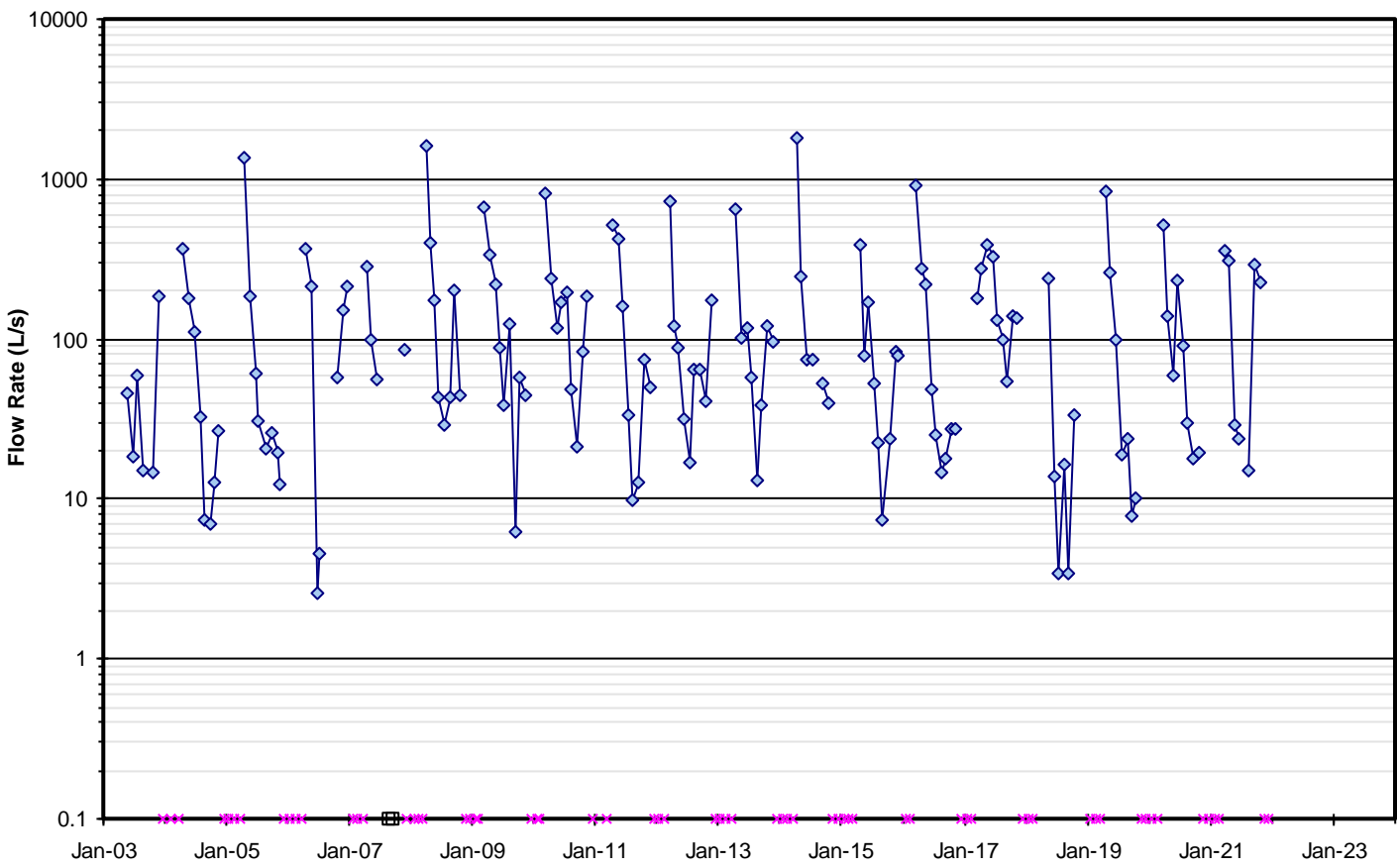
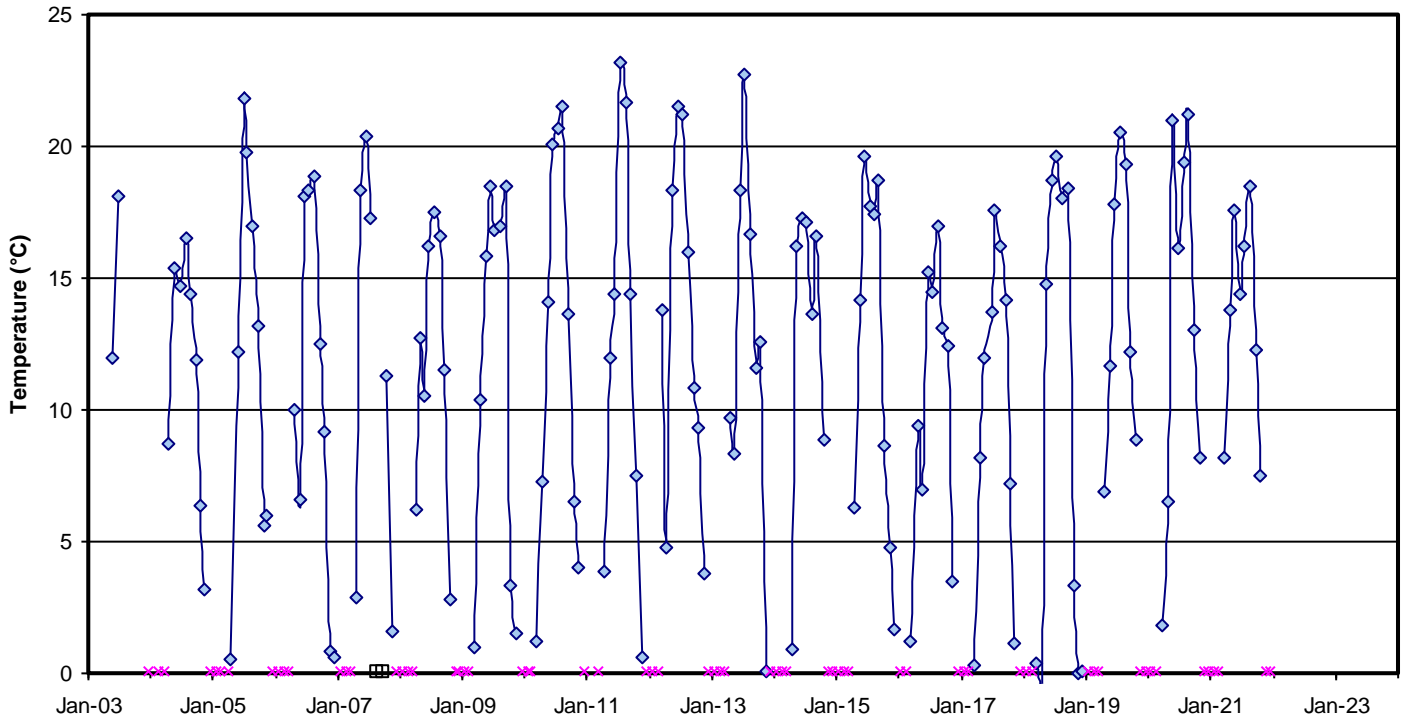




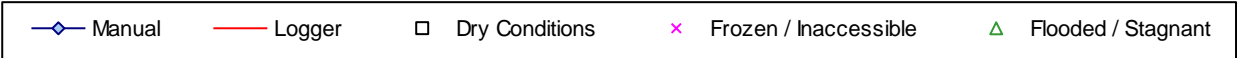
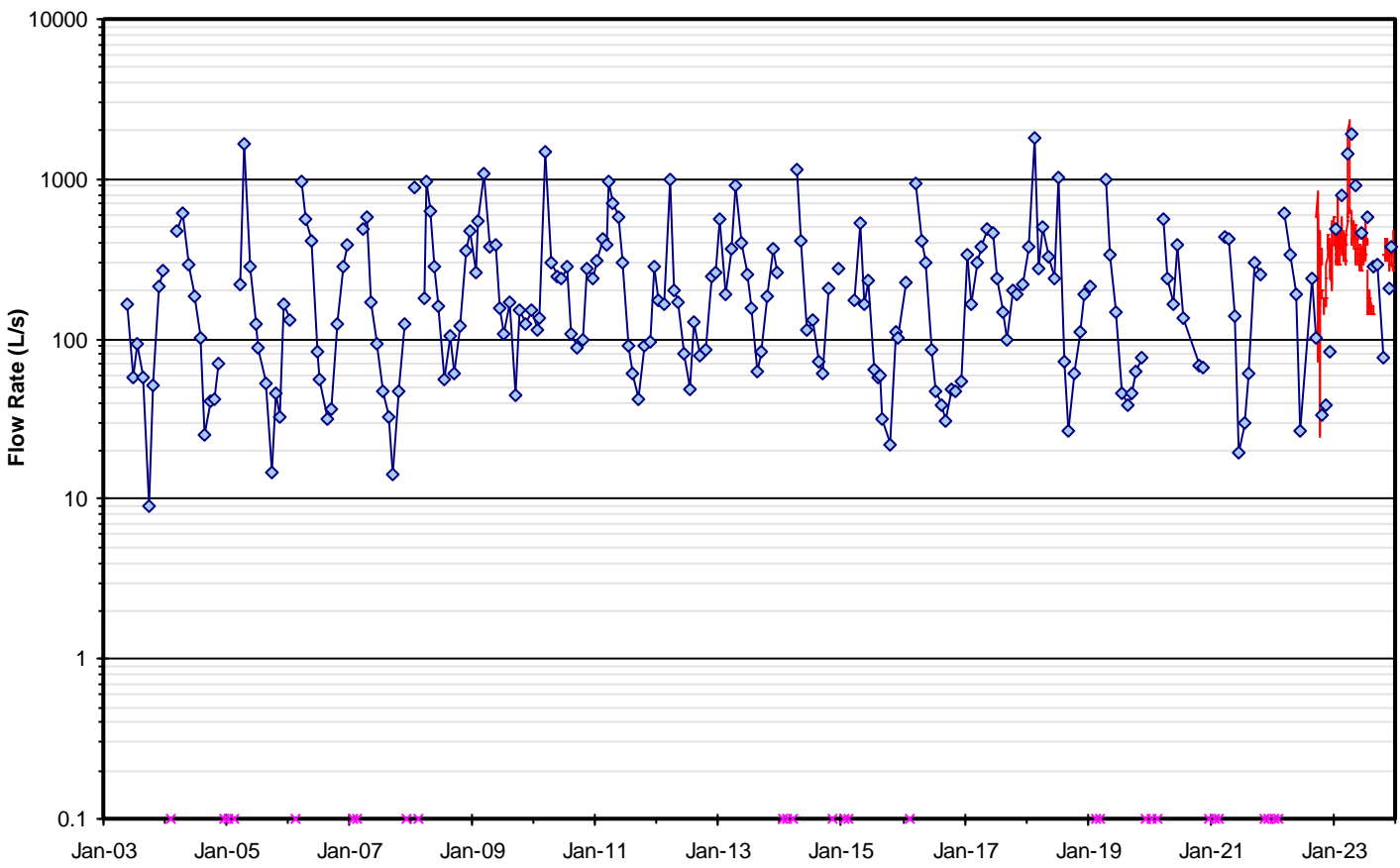
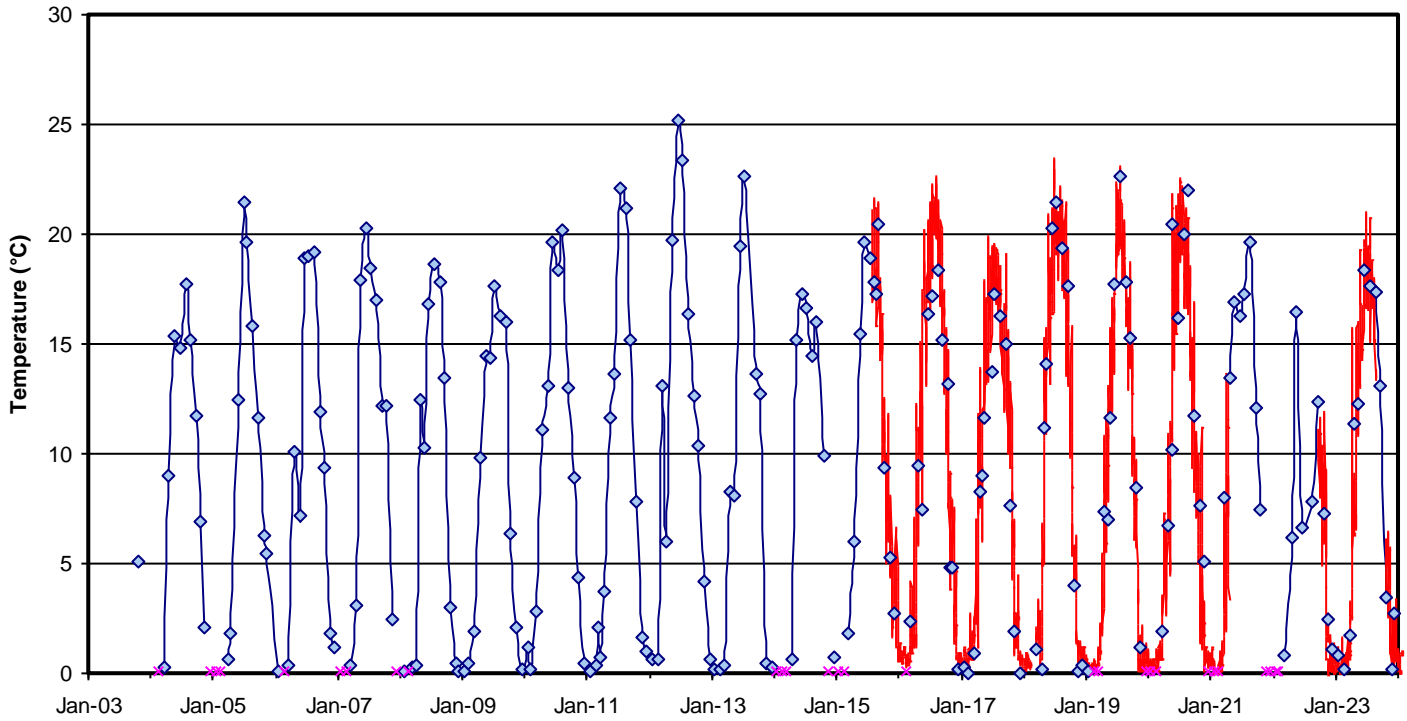
**Figure C-8 Surface Water Temperature and Flow**  
**SW5 - Beaver River / Rob Roy Swamp 7 Along 10th Concession**



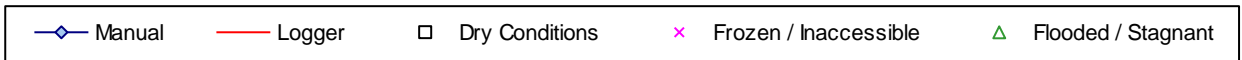
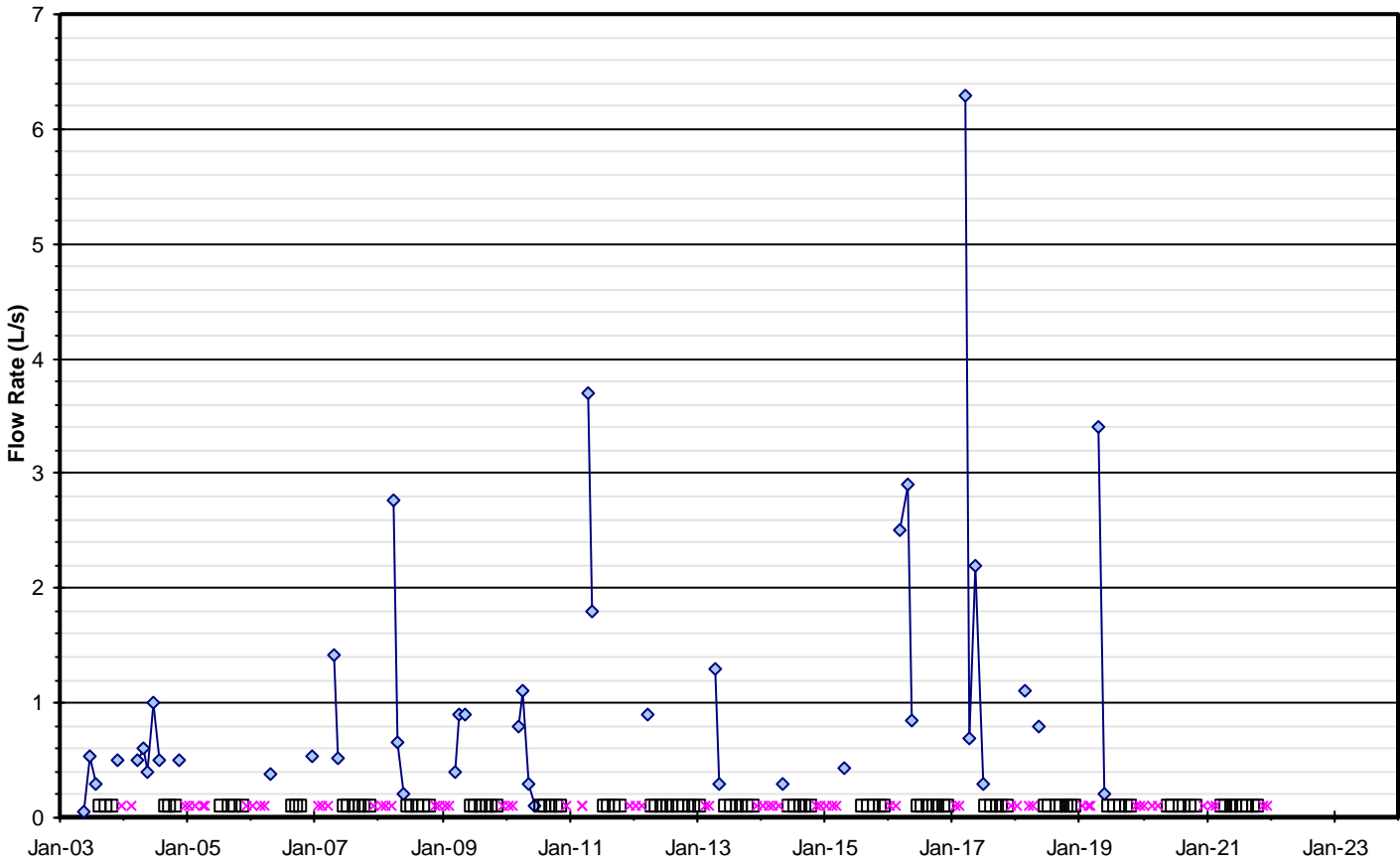
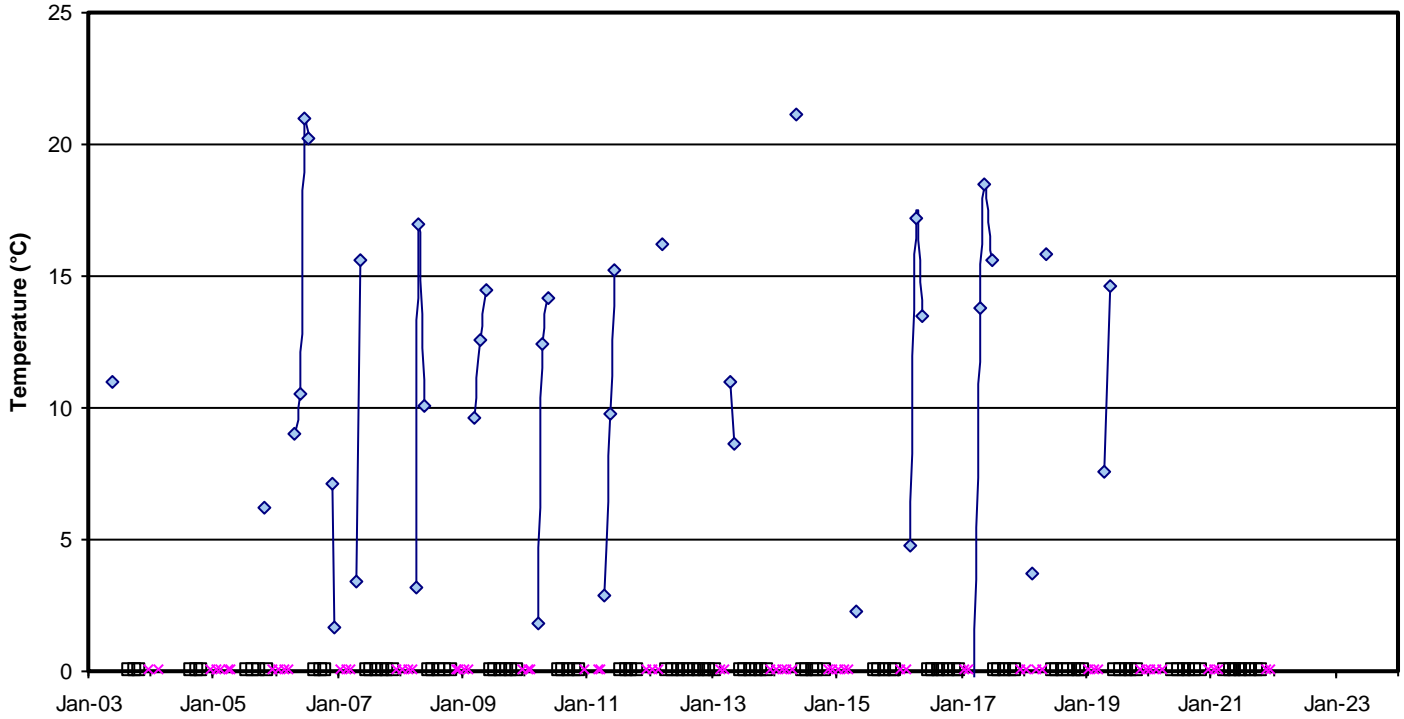
**Figure C-9 Surface Water Temperature and Flow**  
**SW6 - Beaver River / Rob Roy Swamp 7 Downstream of SW5**



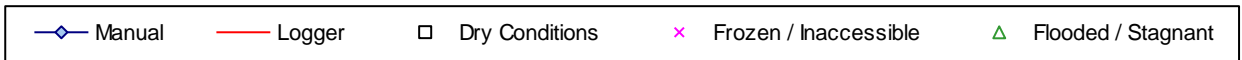
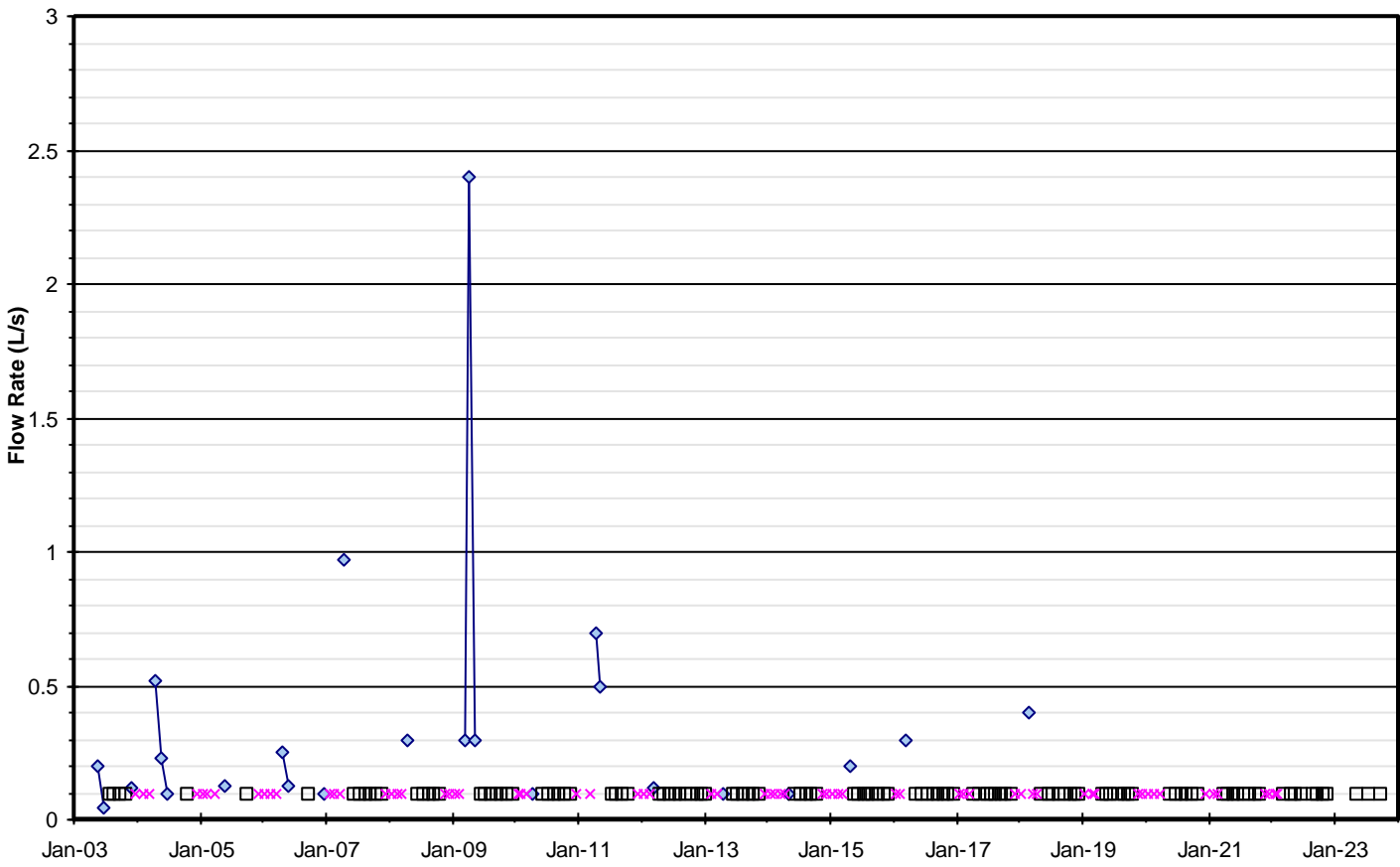
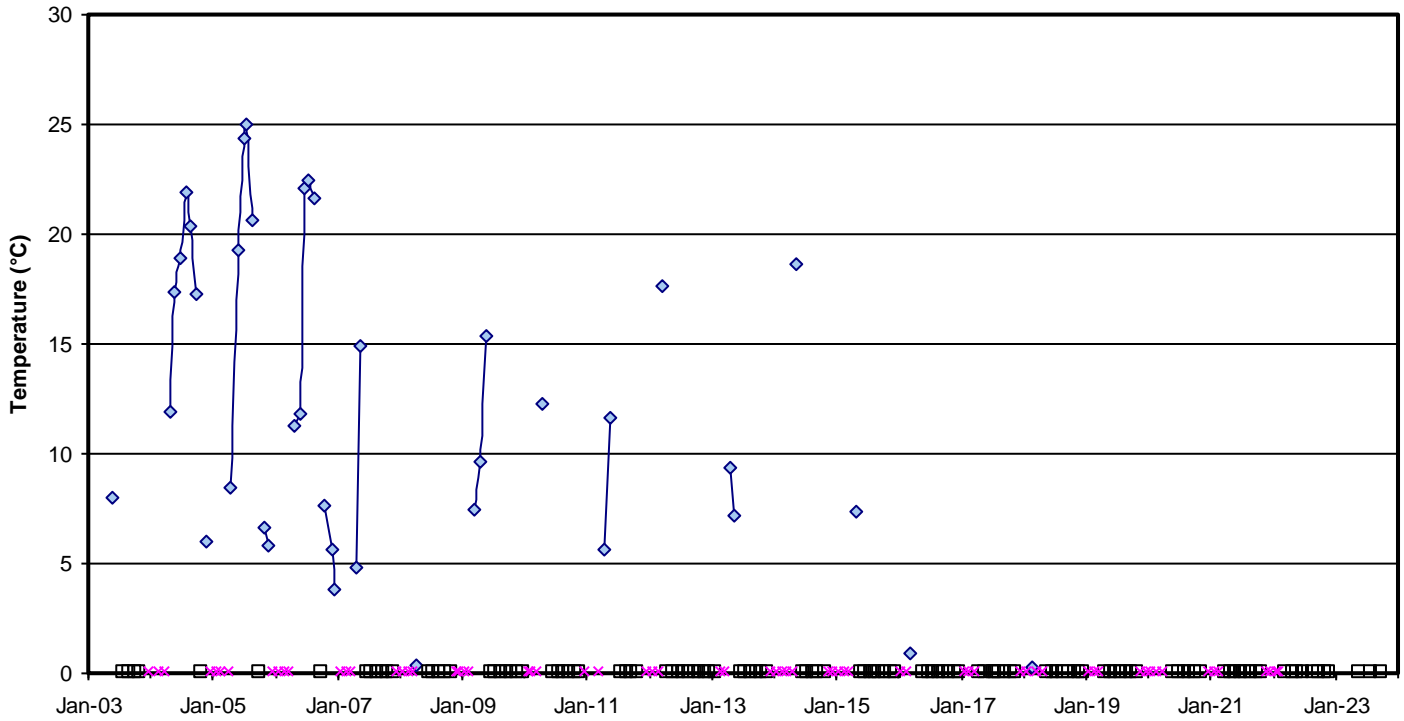
**Figure C-10 Surface Water Temperature and Flow**  
**SW6A - Beaver River Downstream of SW6 at Sideroad 30**



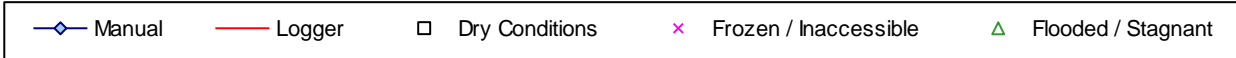
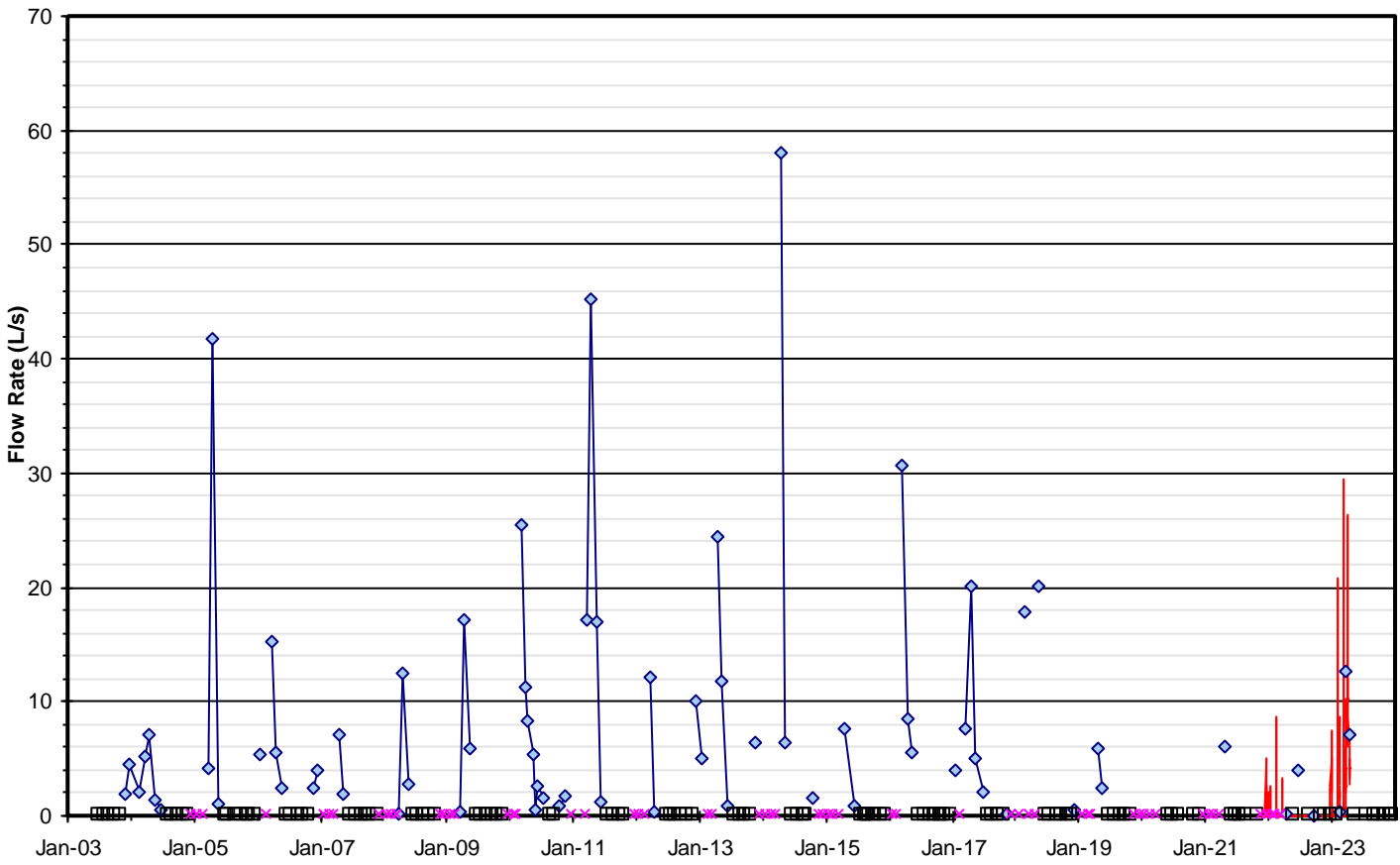
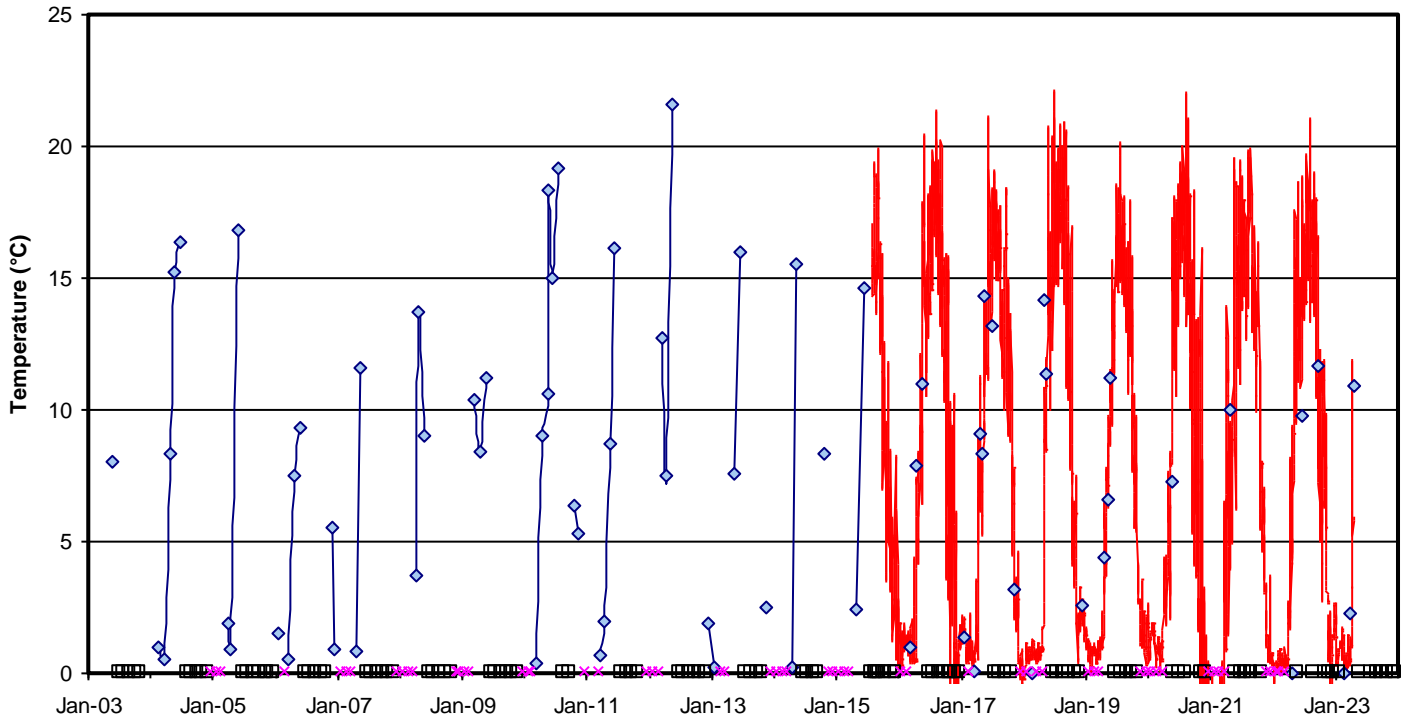
**Figure C-11 Surface Water Temperature and Flow**  
**SW7 - Millar Pond Outlet**



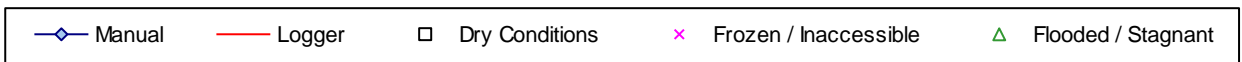
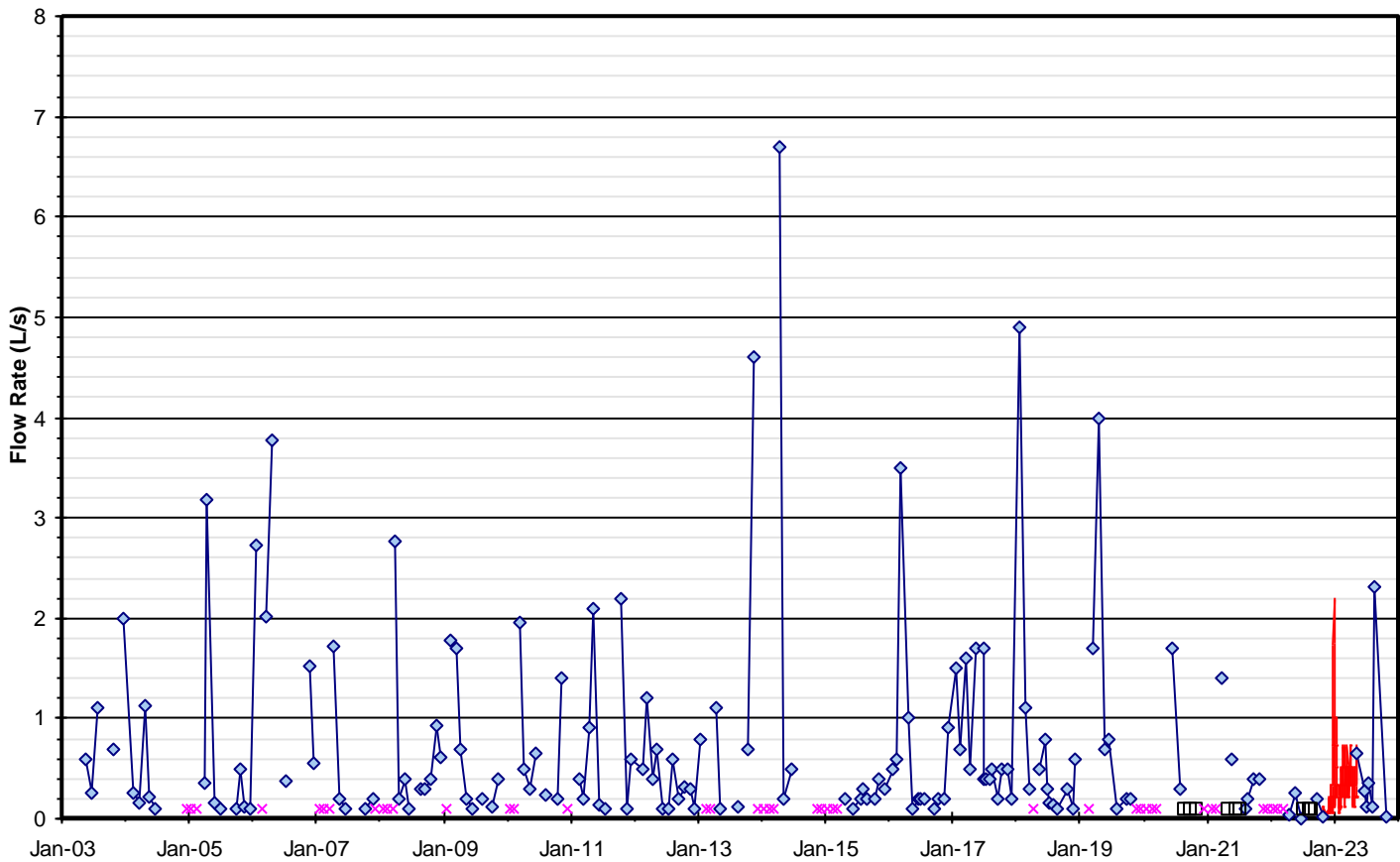
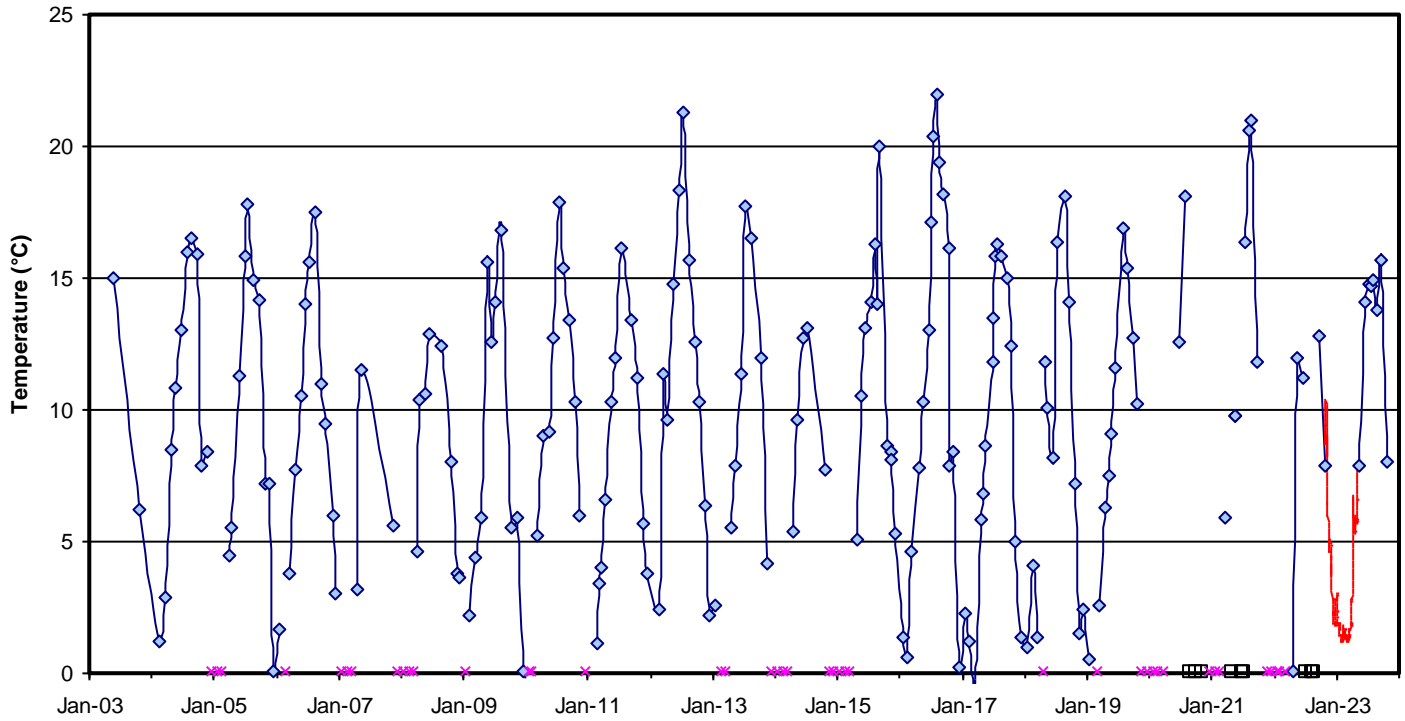
**Figure C-12 Surface Water Temperature and Flow**  
**SW8 - Bridson Pond Outlet**



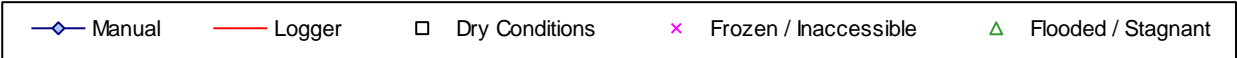
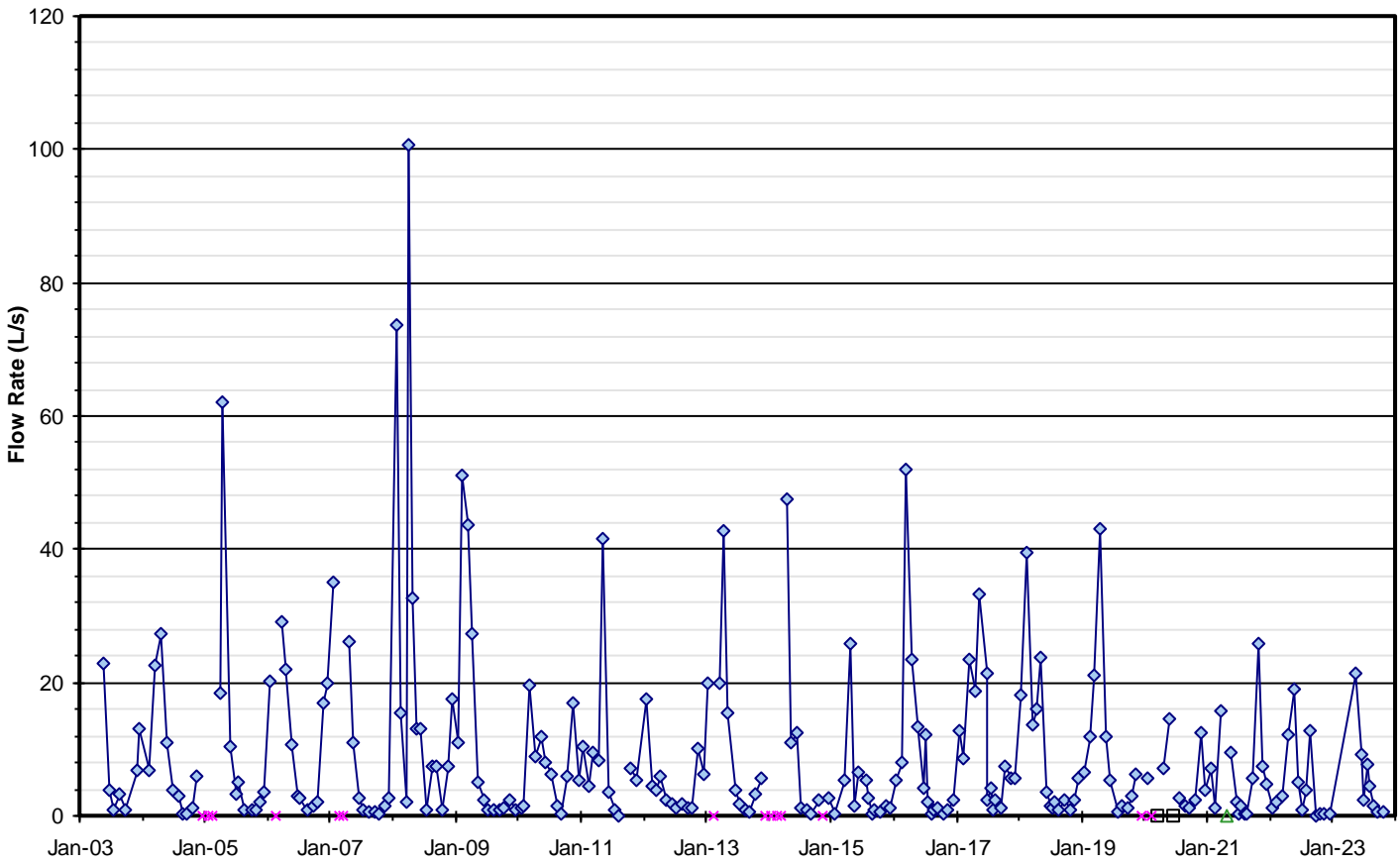
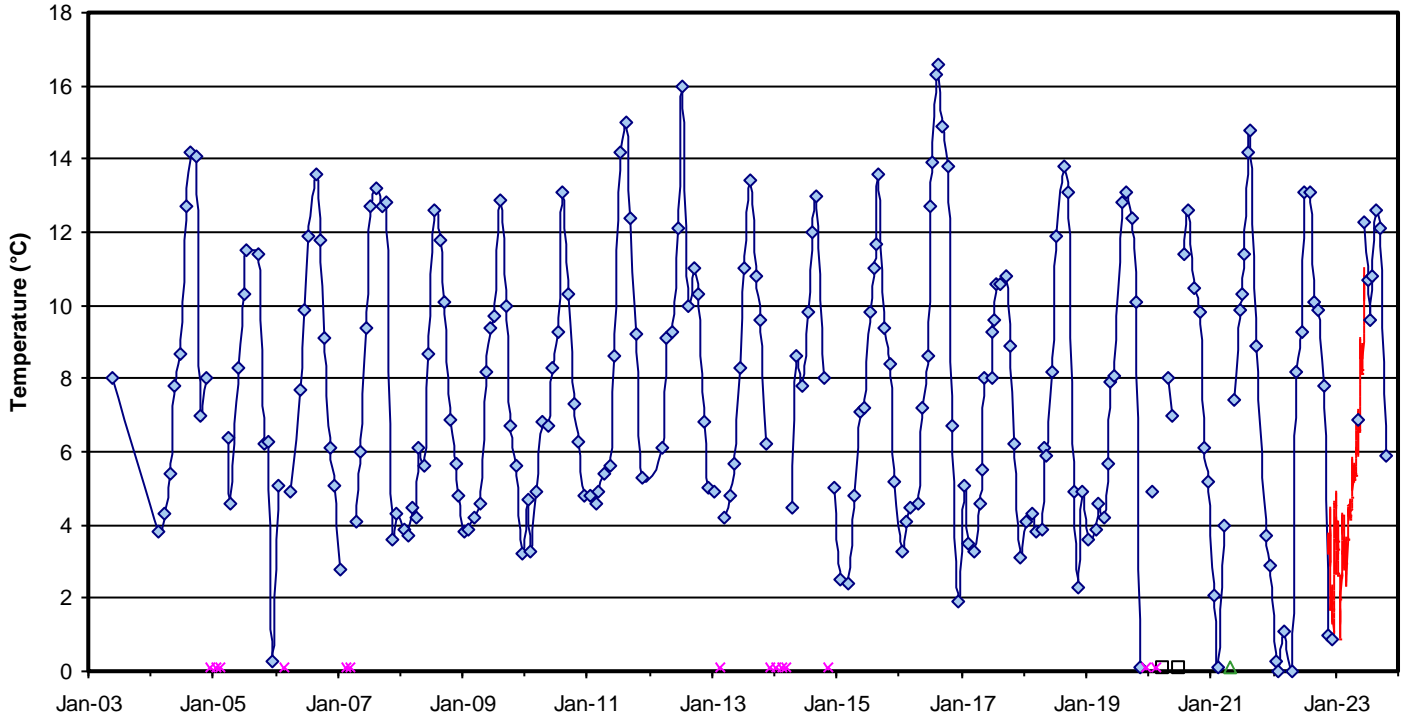
**Figure C-13 Surface Water Temperature and Flow**  
**SW9 - Inlet to Sinkhole on Bridson Property**



**Figure C-14 Surface Water Temperature and Flow**  
**SW10 - Escarpment Seep on Franks Property**

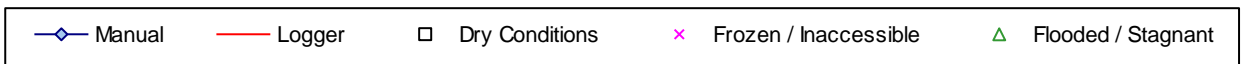
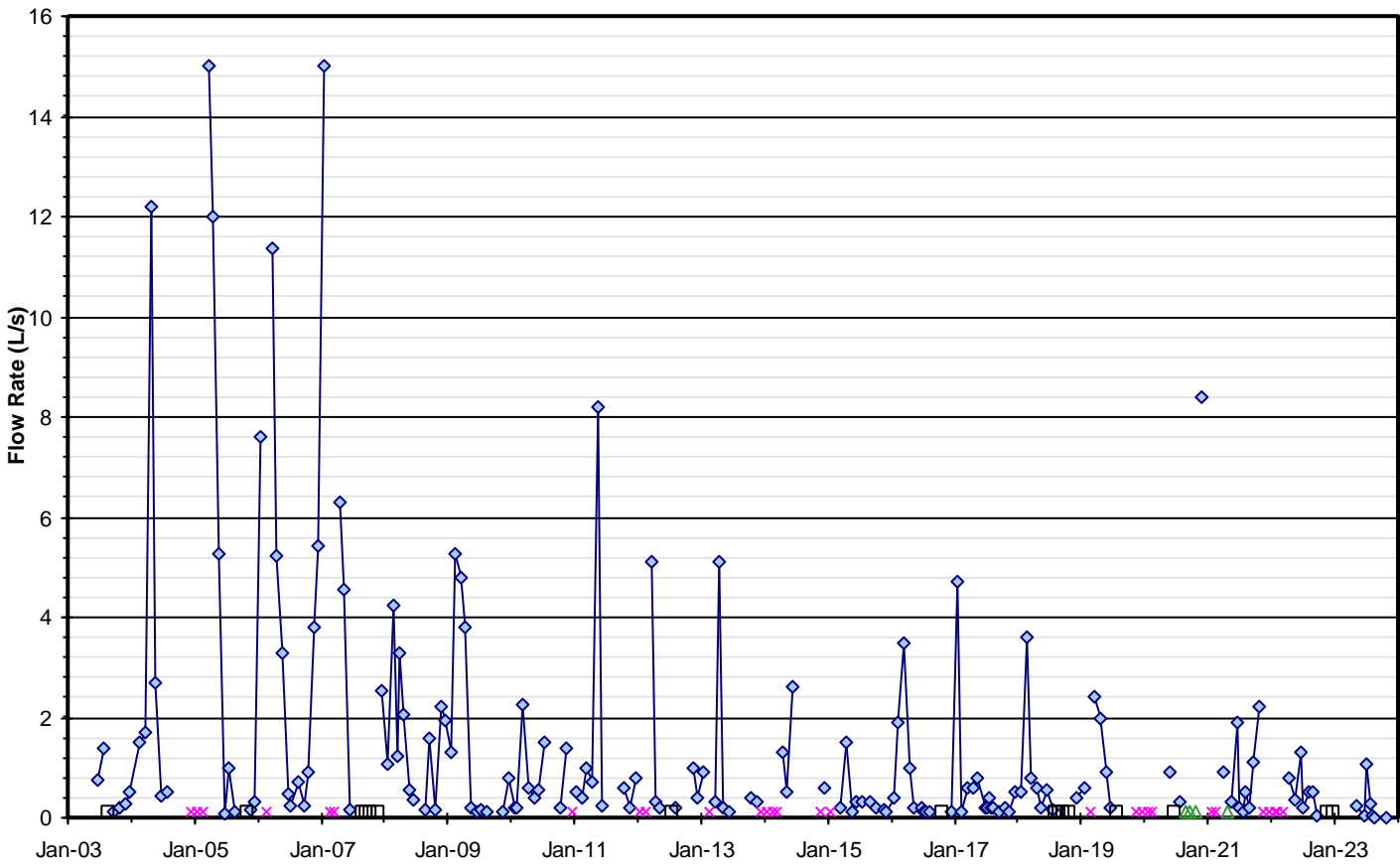
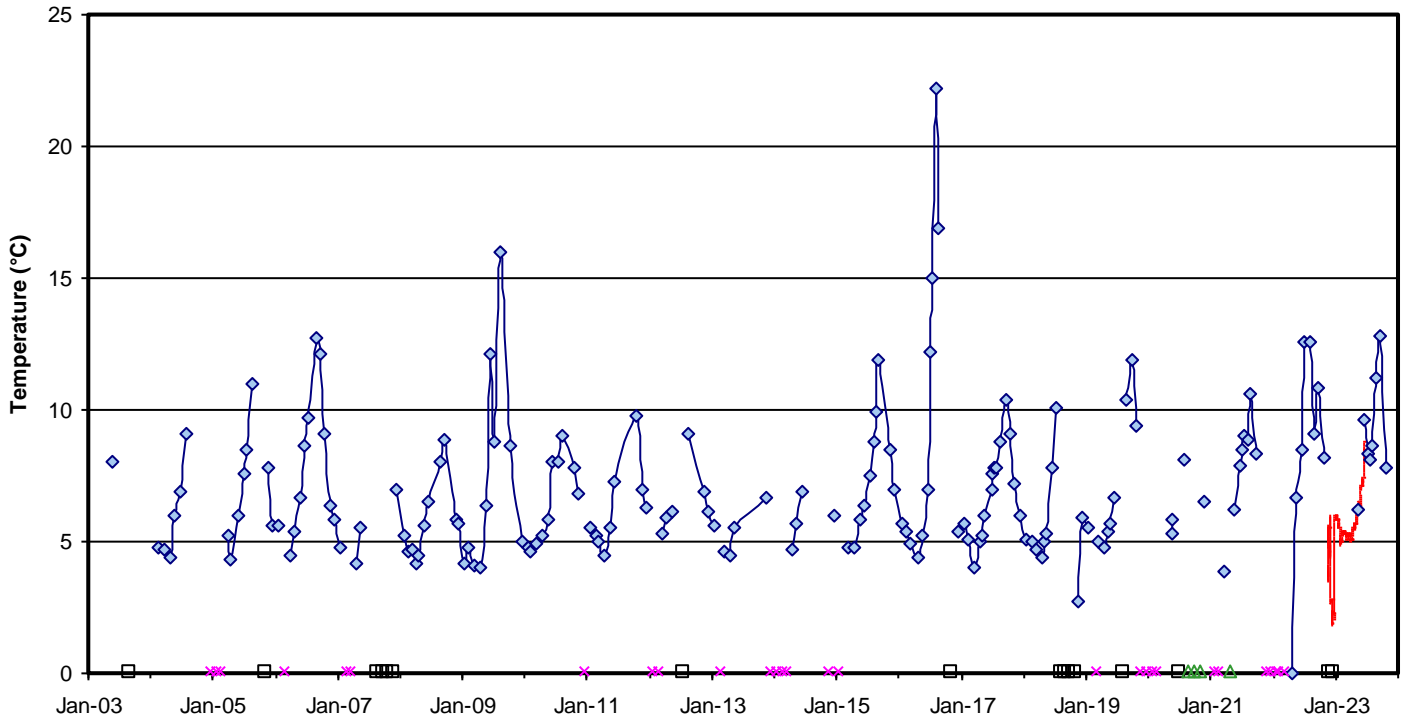


**Figure C-15 Surface Water Temperature and Flow**  
**SW11 - Culmination of Escarpment Seeps SW11A-D on Franks Property**

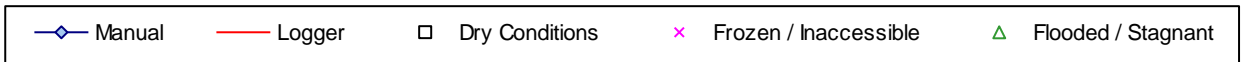
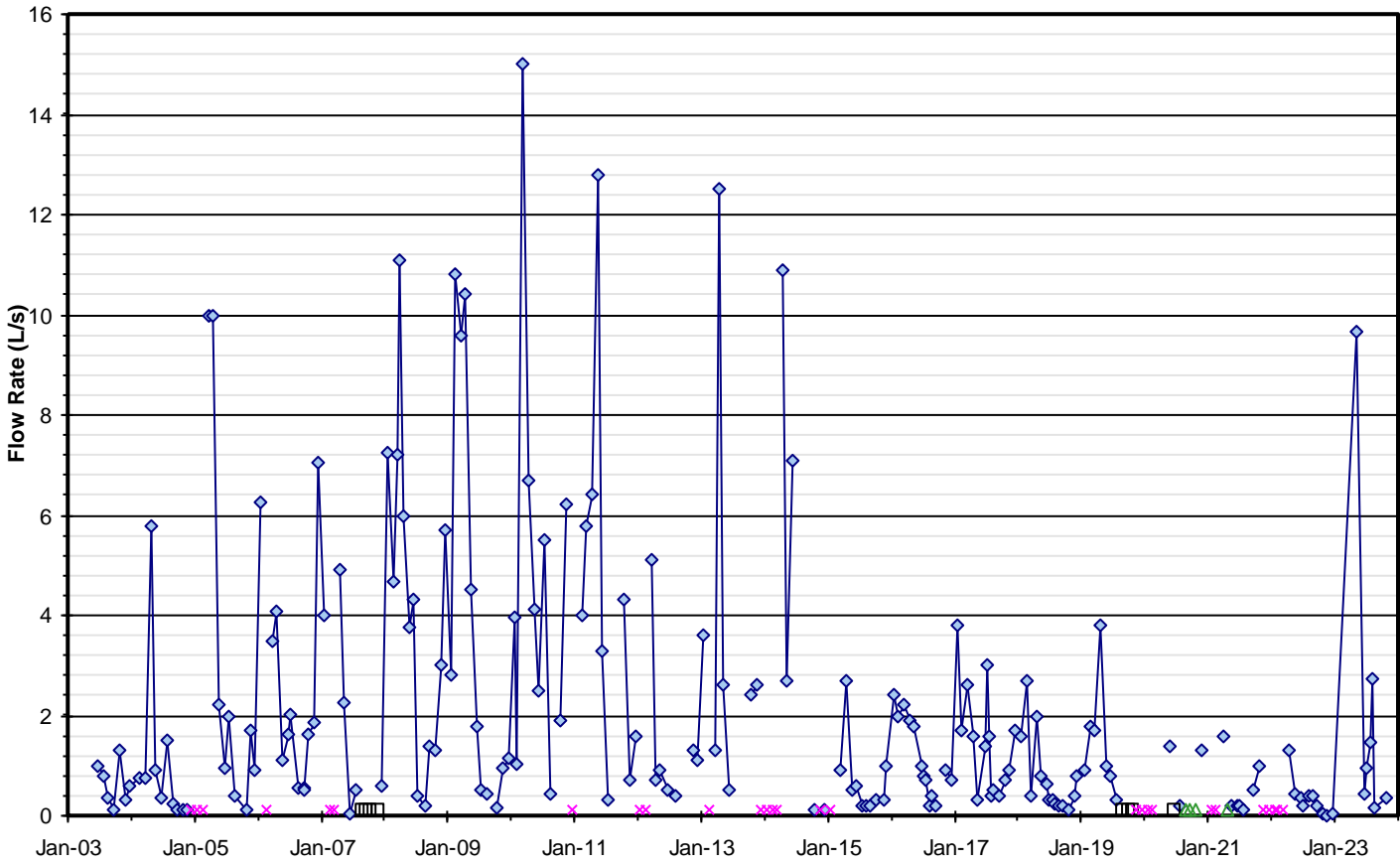
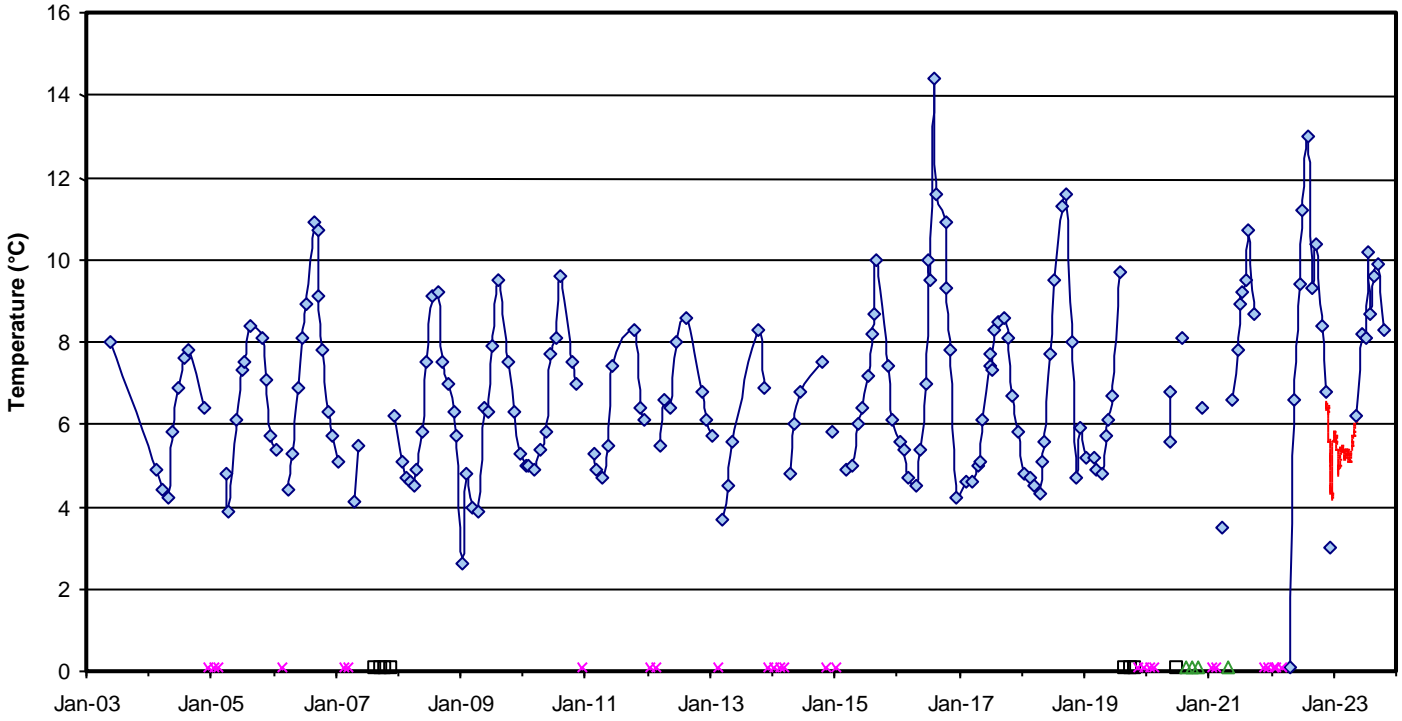




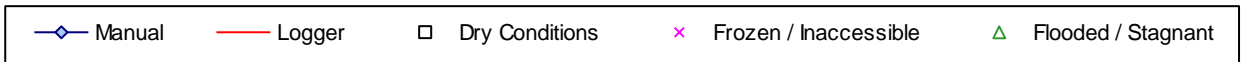
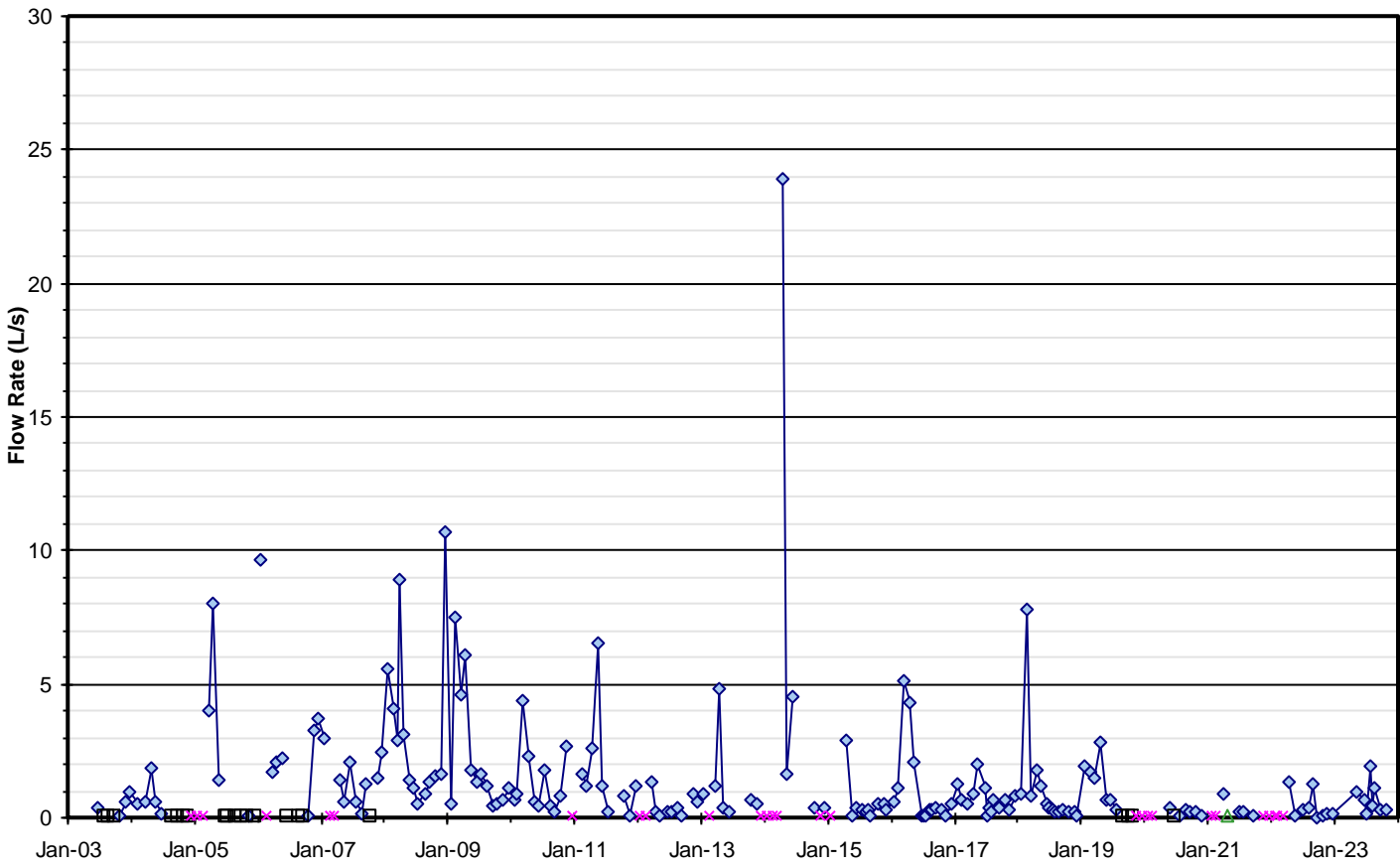
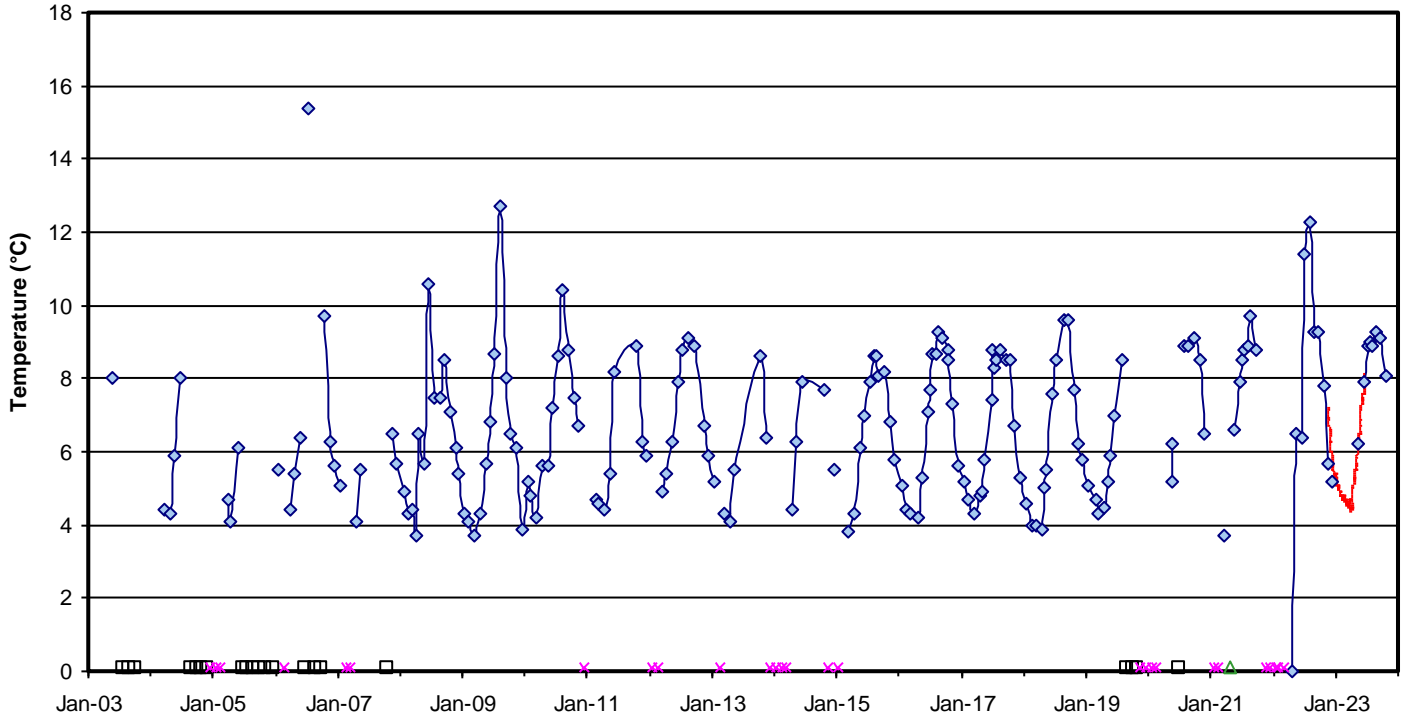
**Figure C-16 Surface Water Temperature and Flow**  
**SW11A - Escarpment Seep on Franks Property**



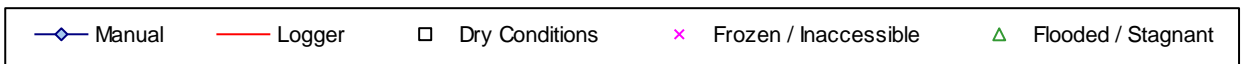
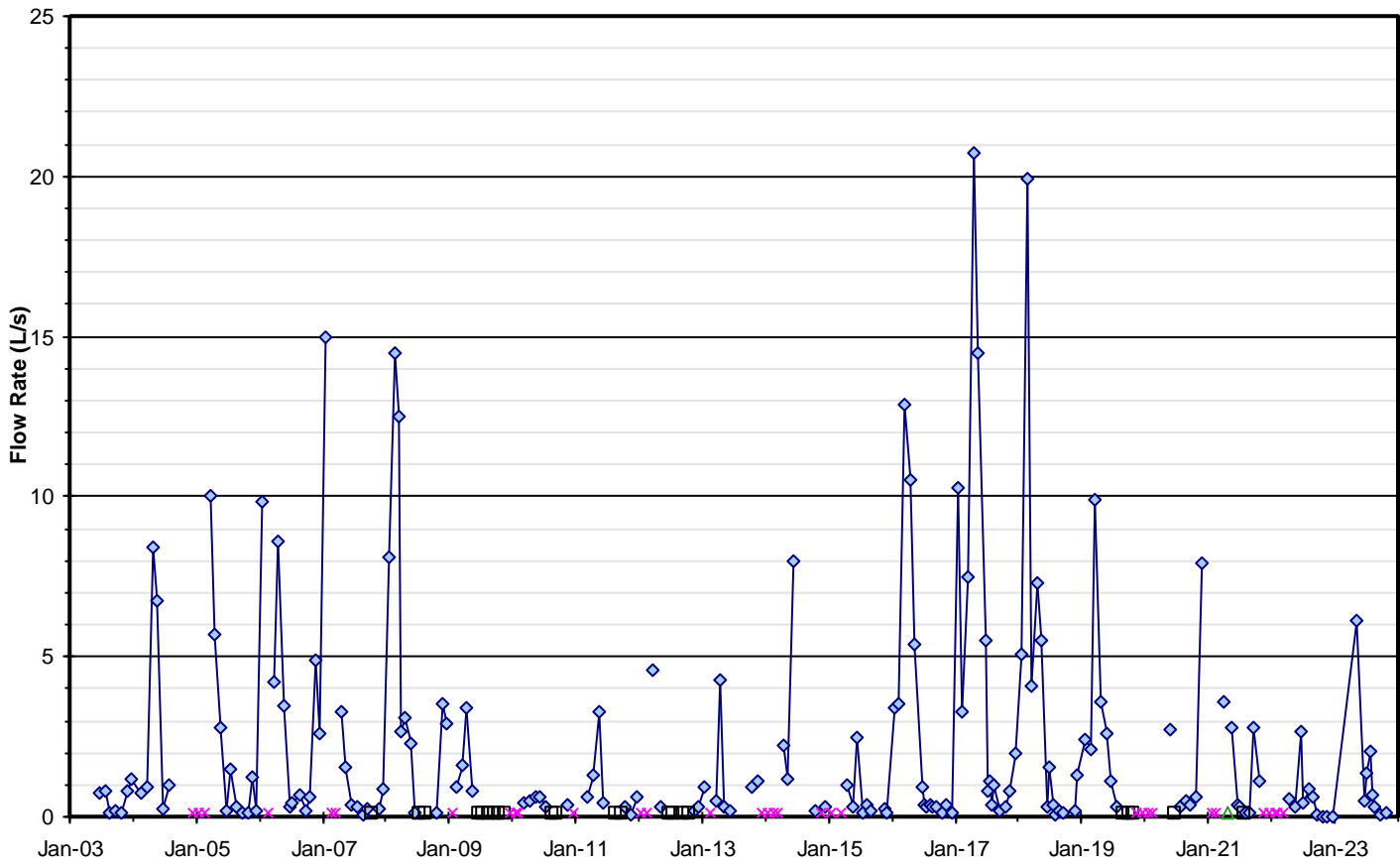
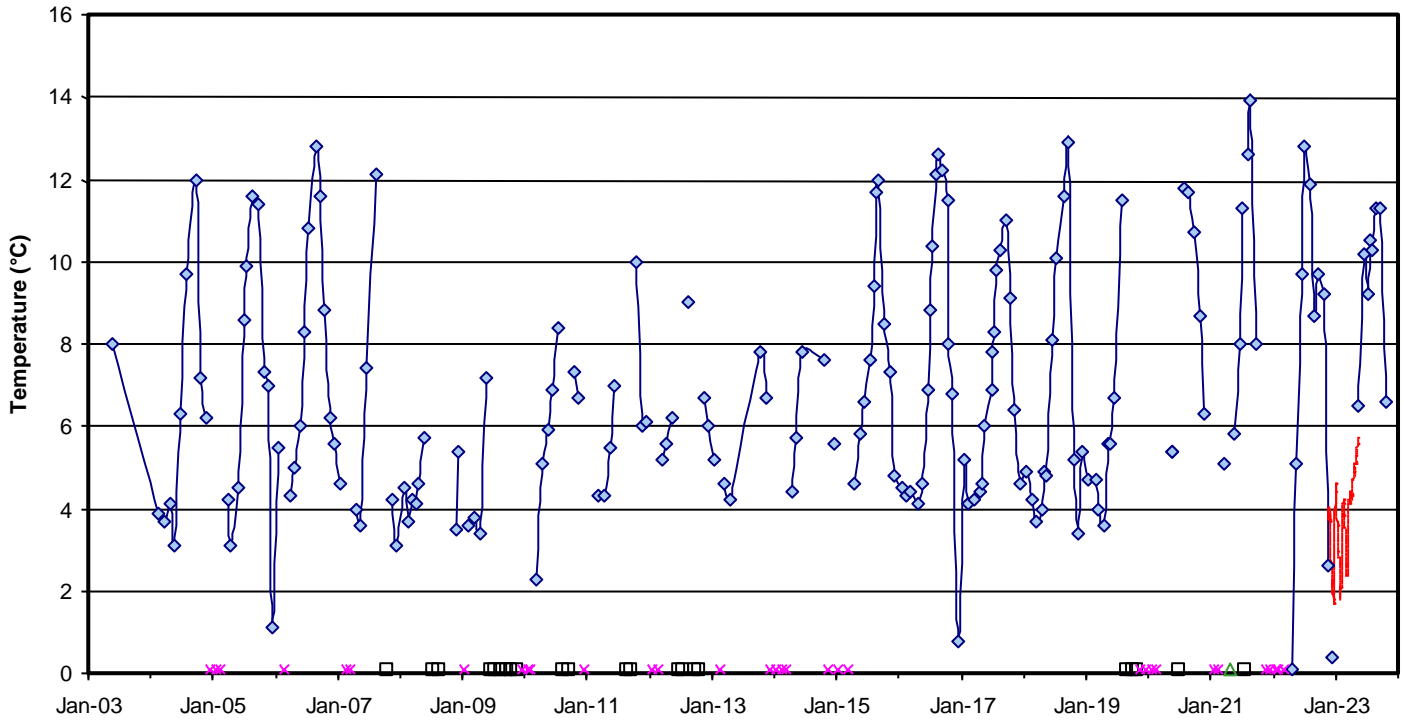
**Figure C-17 Surface Water Temperature and Flow**  
**SW11B - Escarpment Seep on Franks Property**



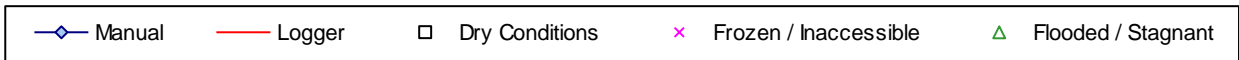
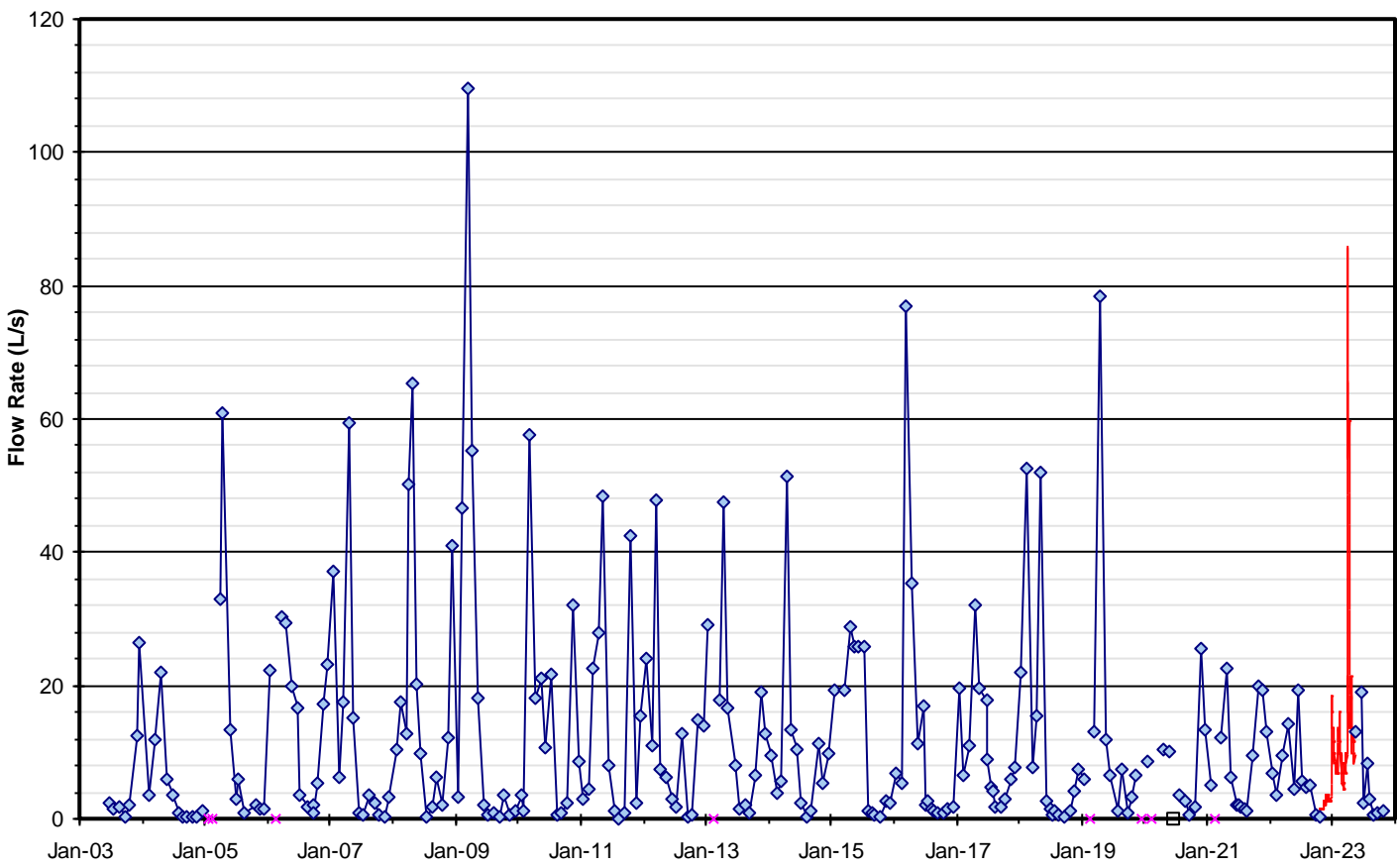
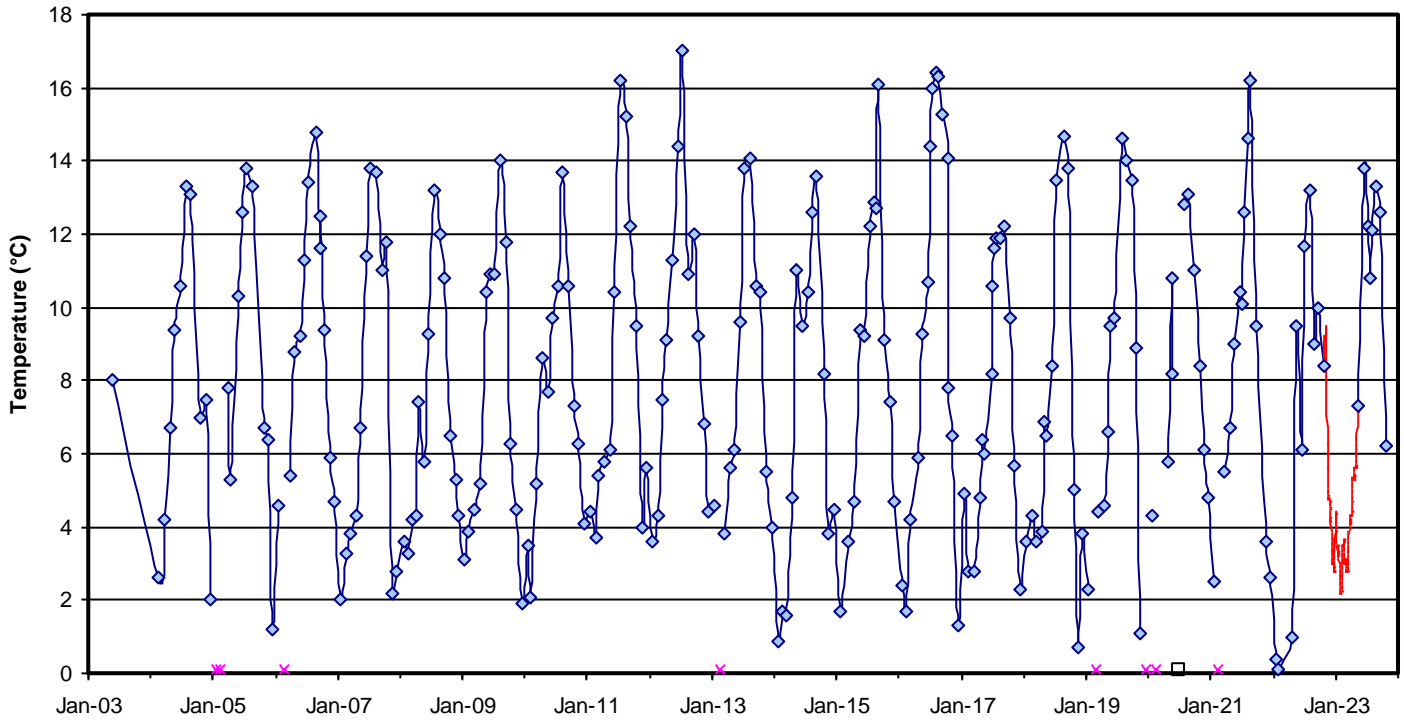
**Figure C-18 Surface Water Temperature and Flow**  
**SWIIC - Escarpment Seep on Franks Property**



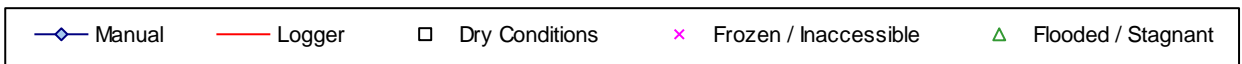
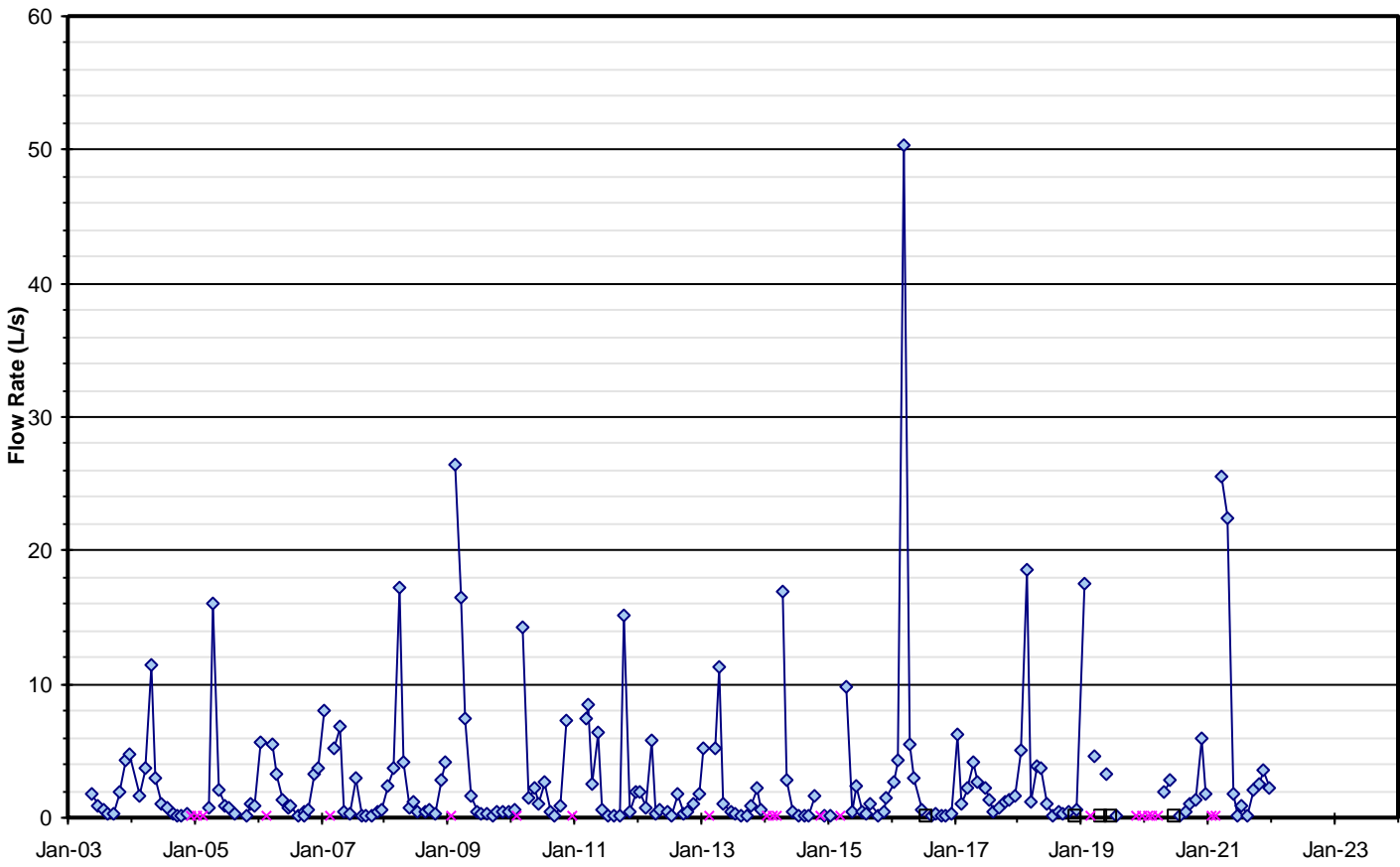
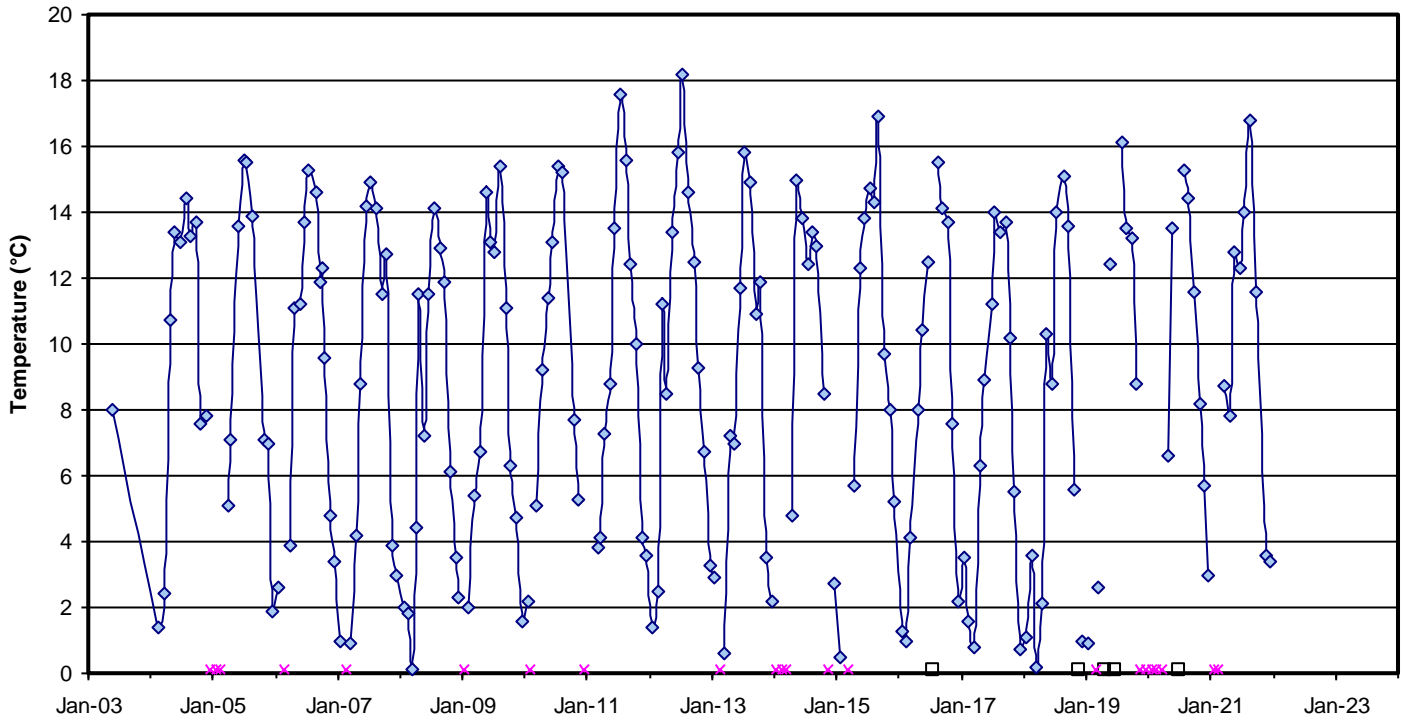
**Figure C-19 Surface Water Temperature and Flow**  
**SW11D - Escarpment Seep on Franks Property**



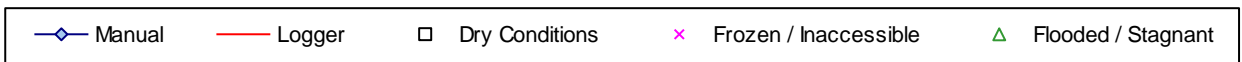
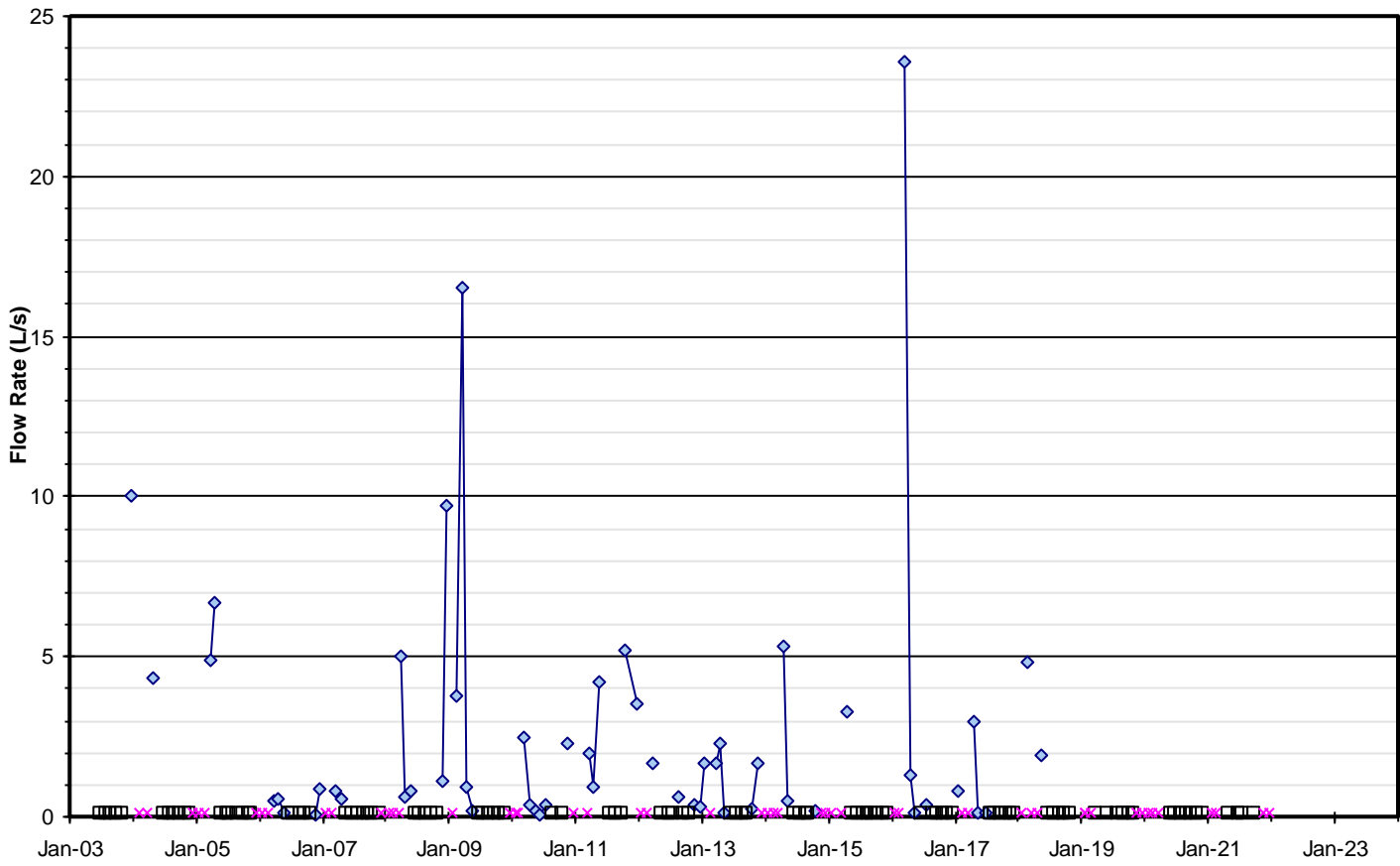
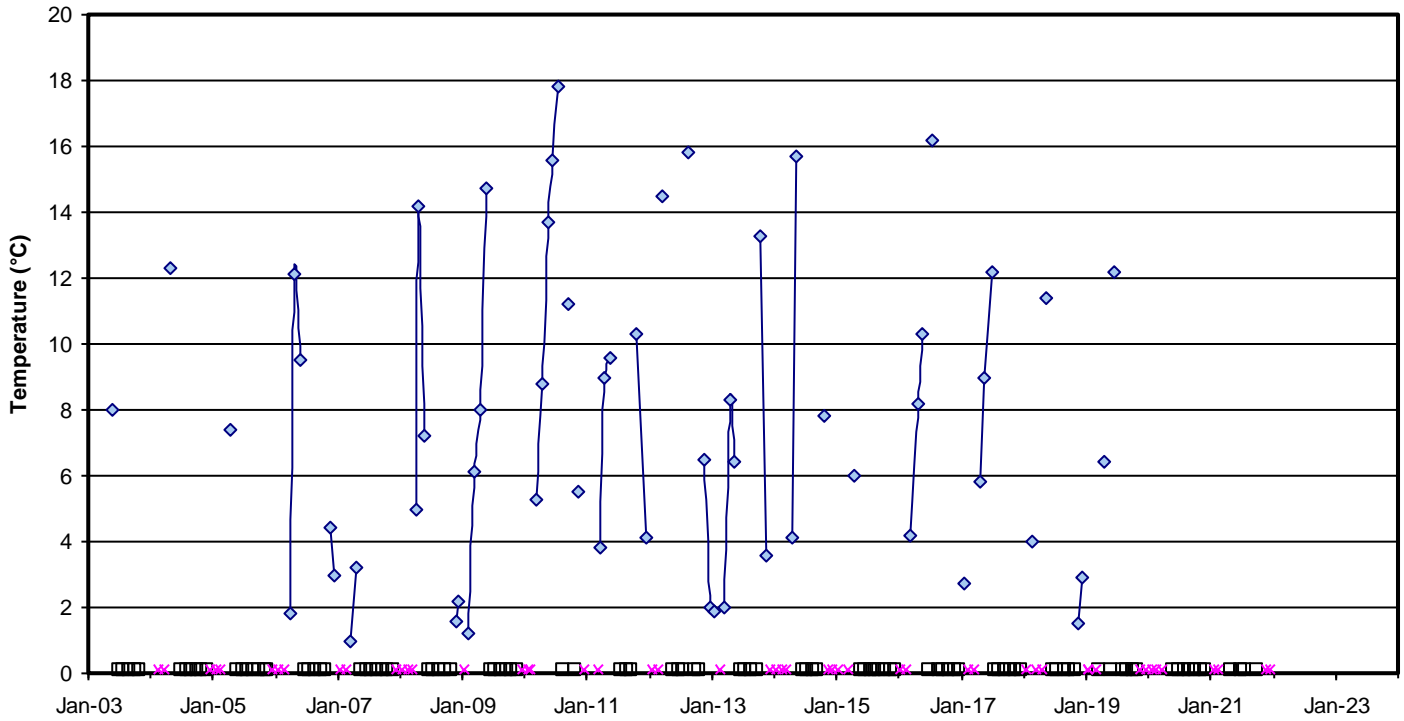
**Figure C-20 Surface Water Temperature and Flow**  
**SWIE - Downstream of SW11 on Franks Property**



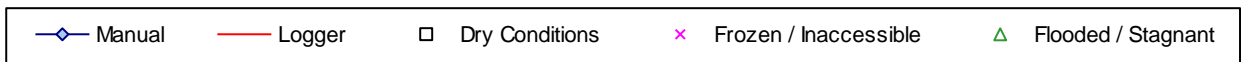
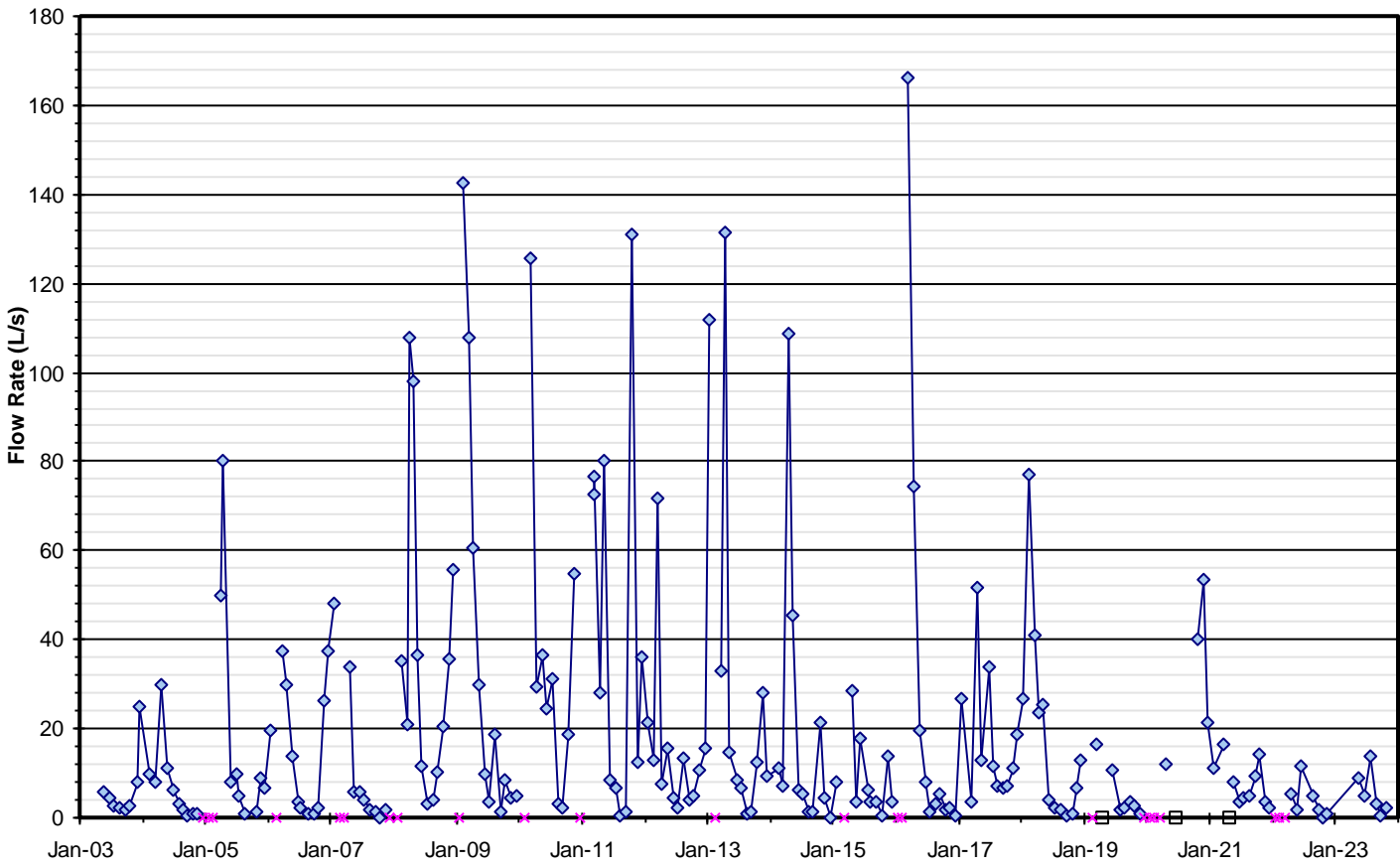
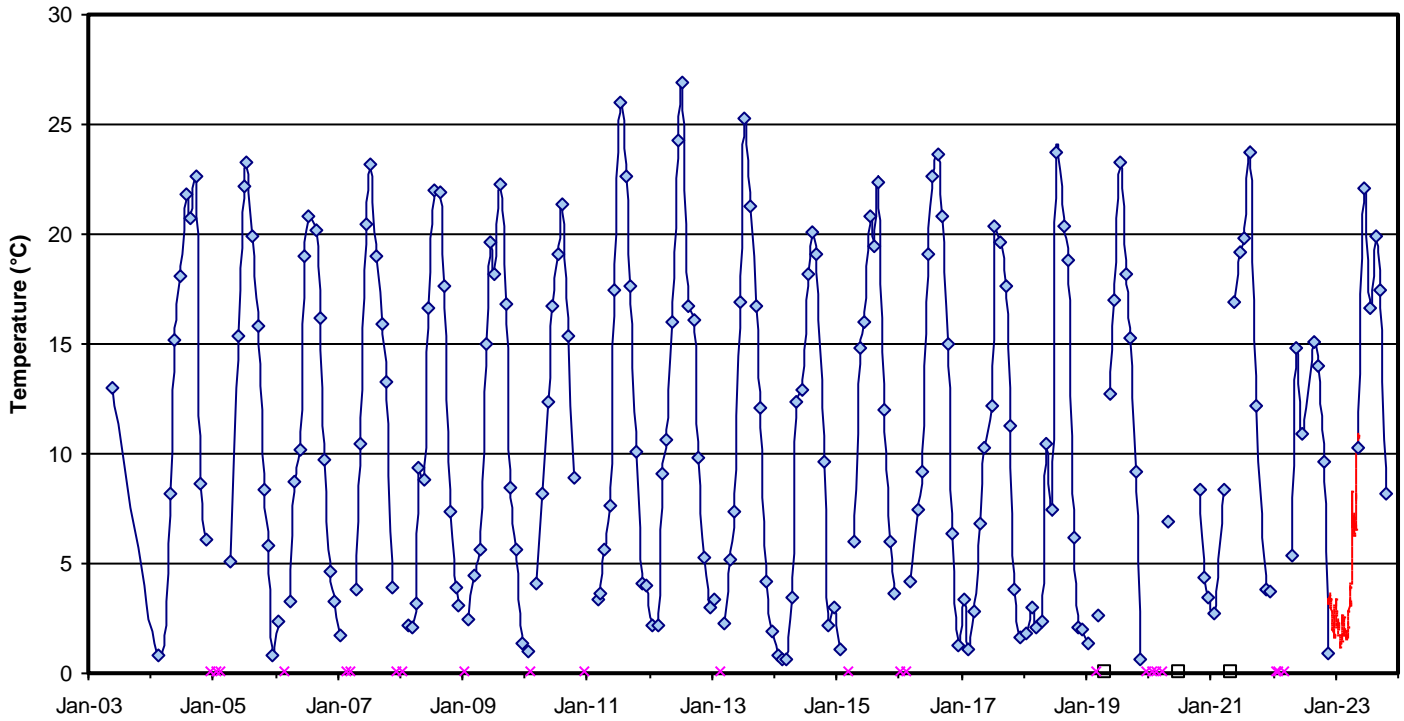
**Figure C-21 Surface Water Temperature and Flow**  
**SW12 - Culvert Upstream of Franks Pond**



**Figure C-22 Surface Water Temperature and Flow**  
**SW12A - Upstream of SW12 on Franks Property**

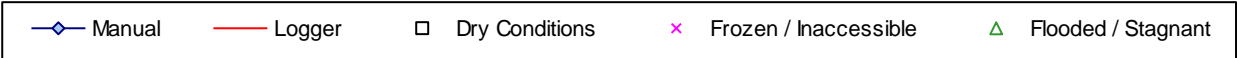
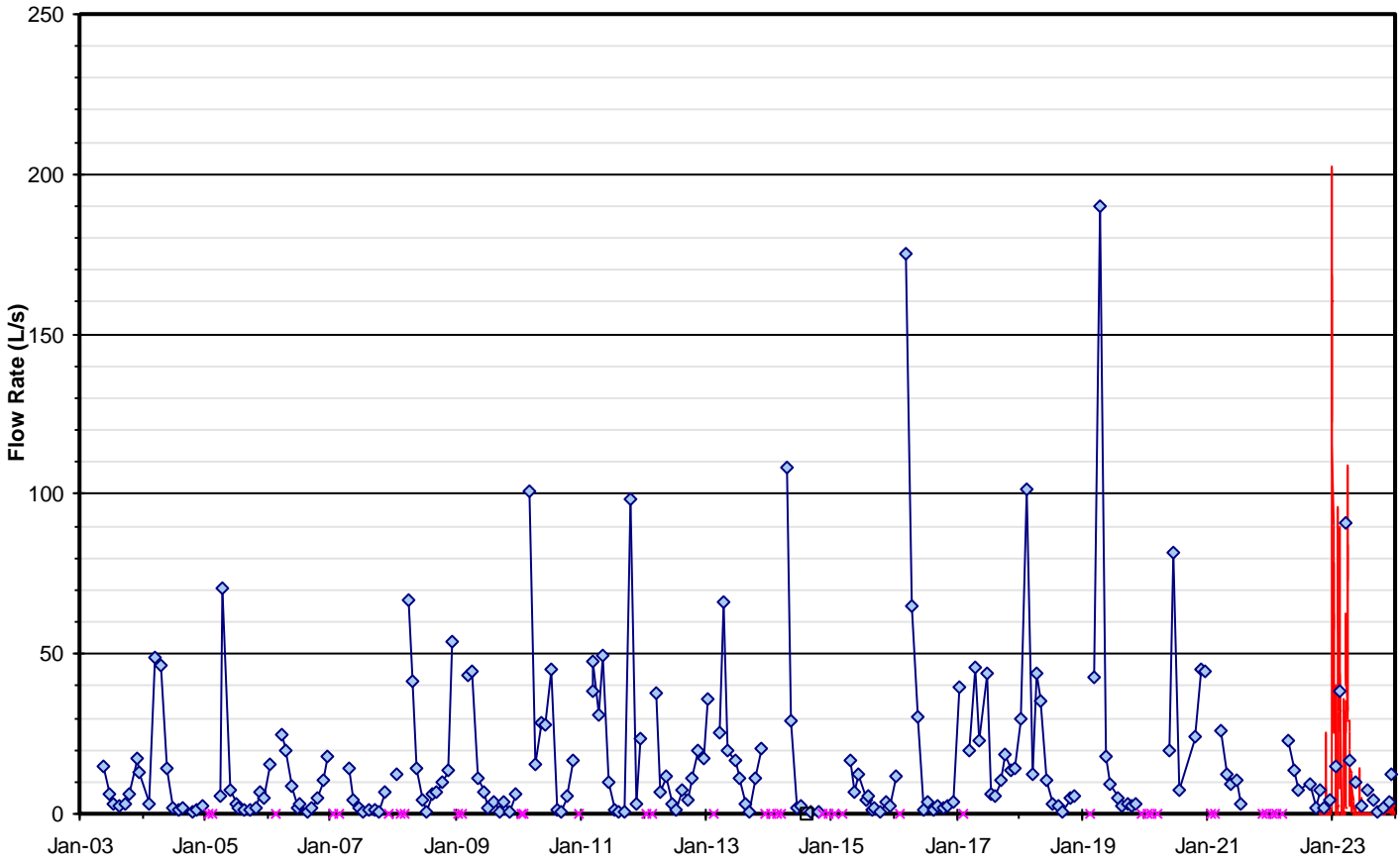
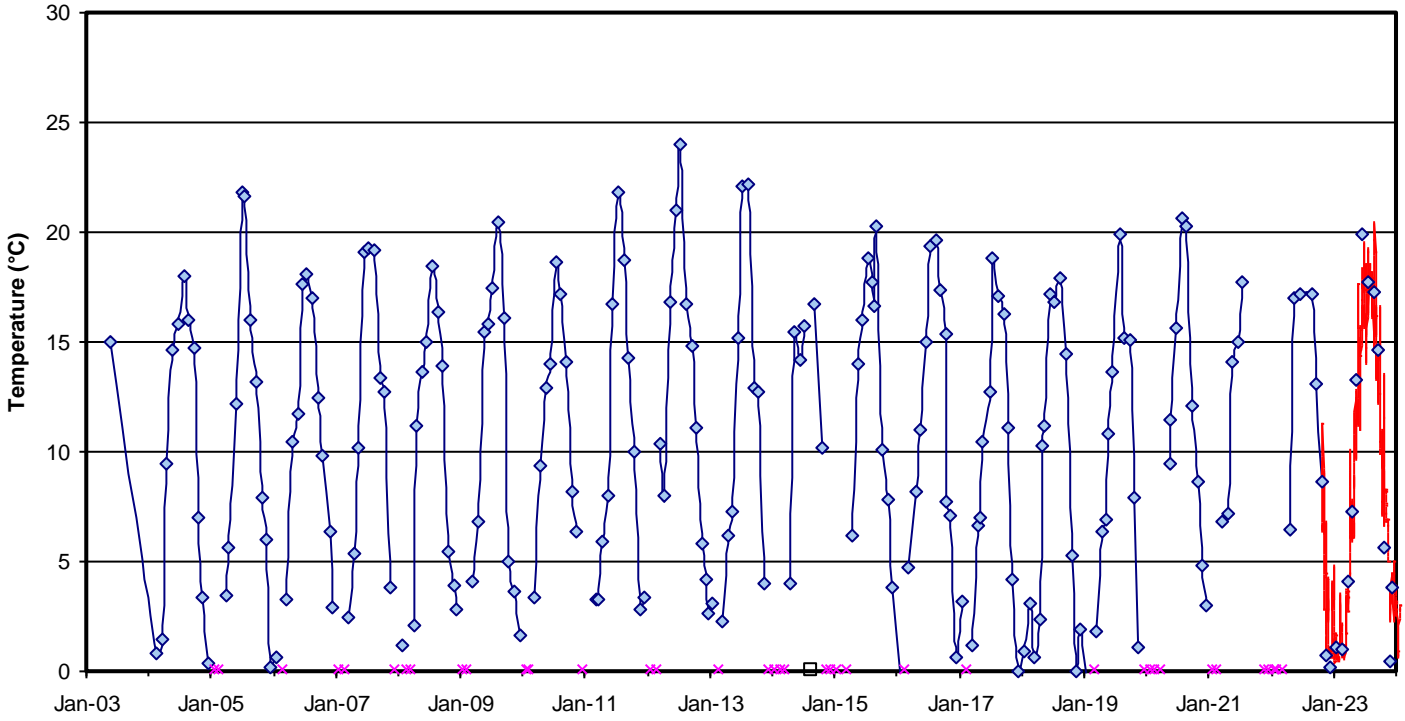


**Figure C-23 Surface Water Temperature and Flow**  
**SW13 - Franks Pond Outlet**

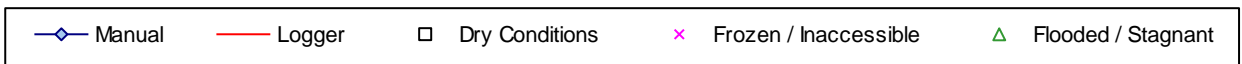
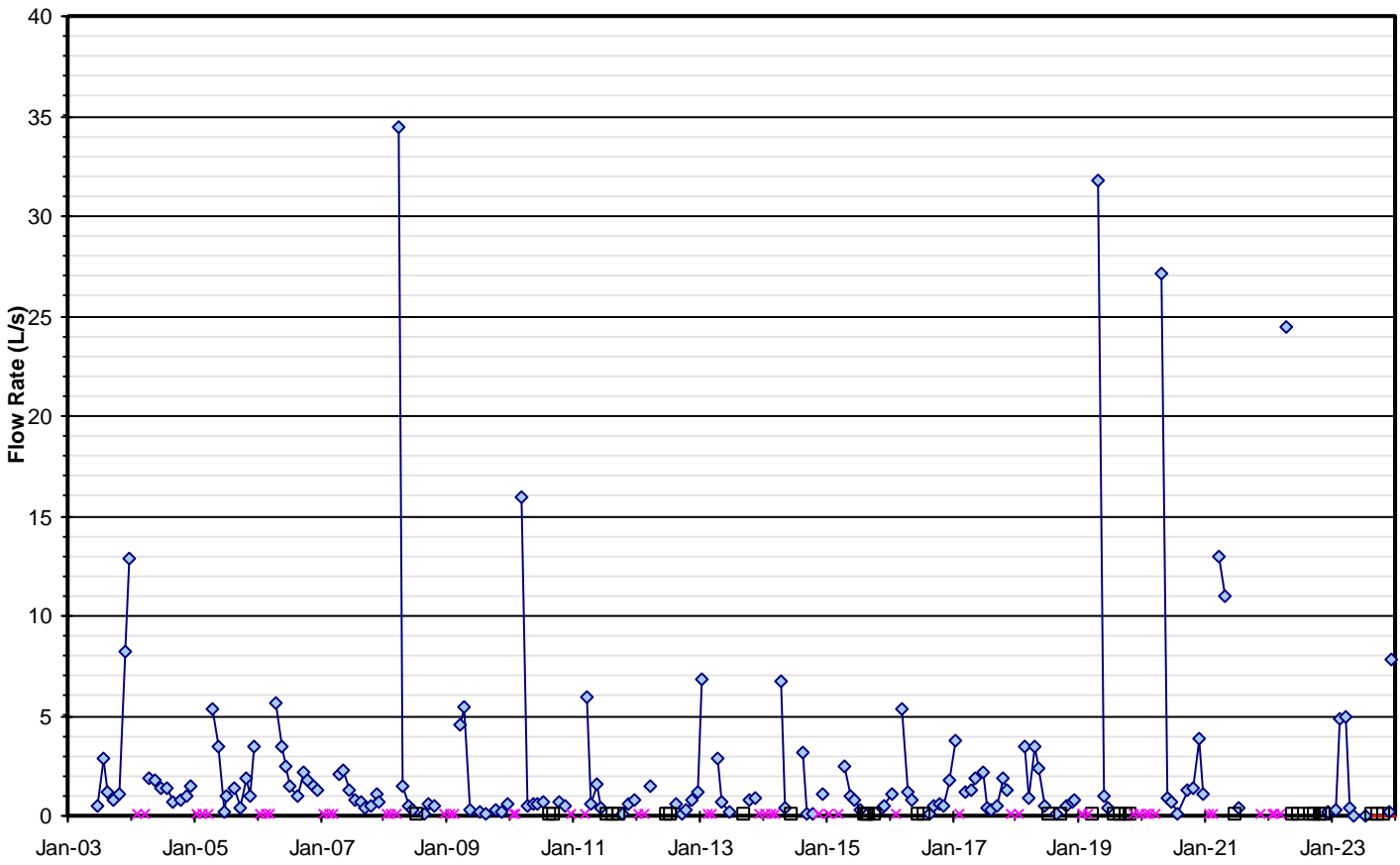
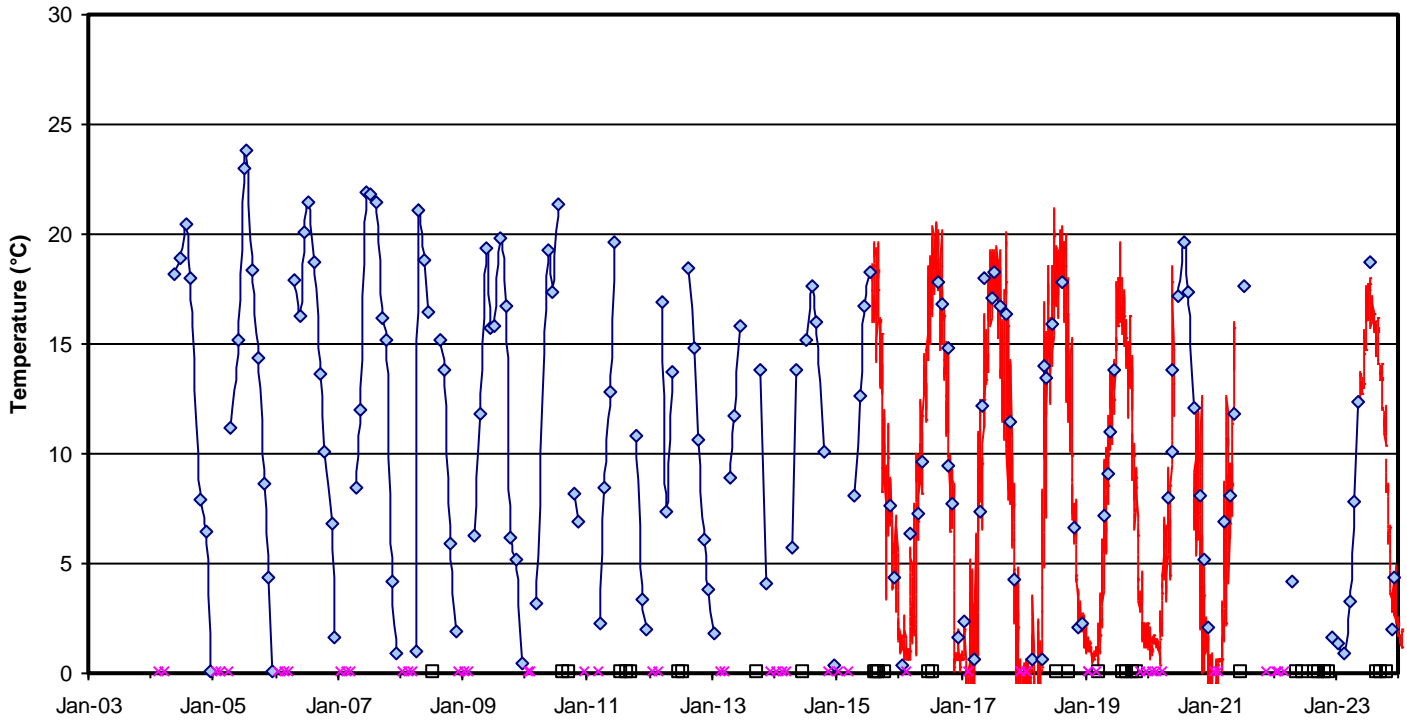




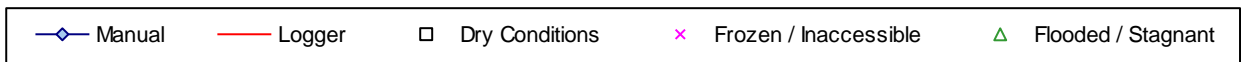
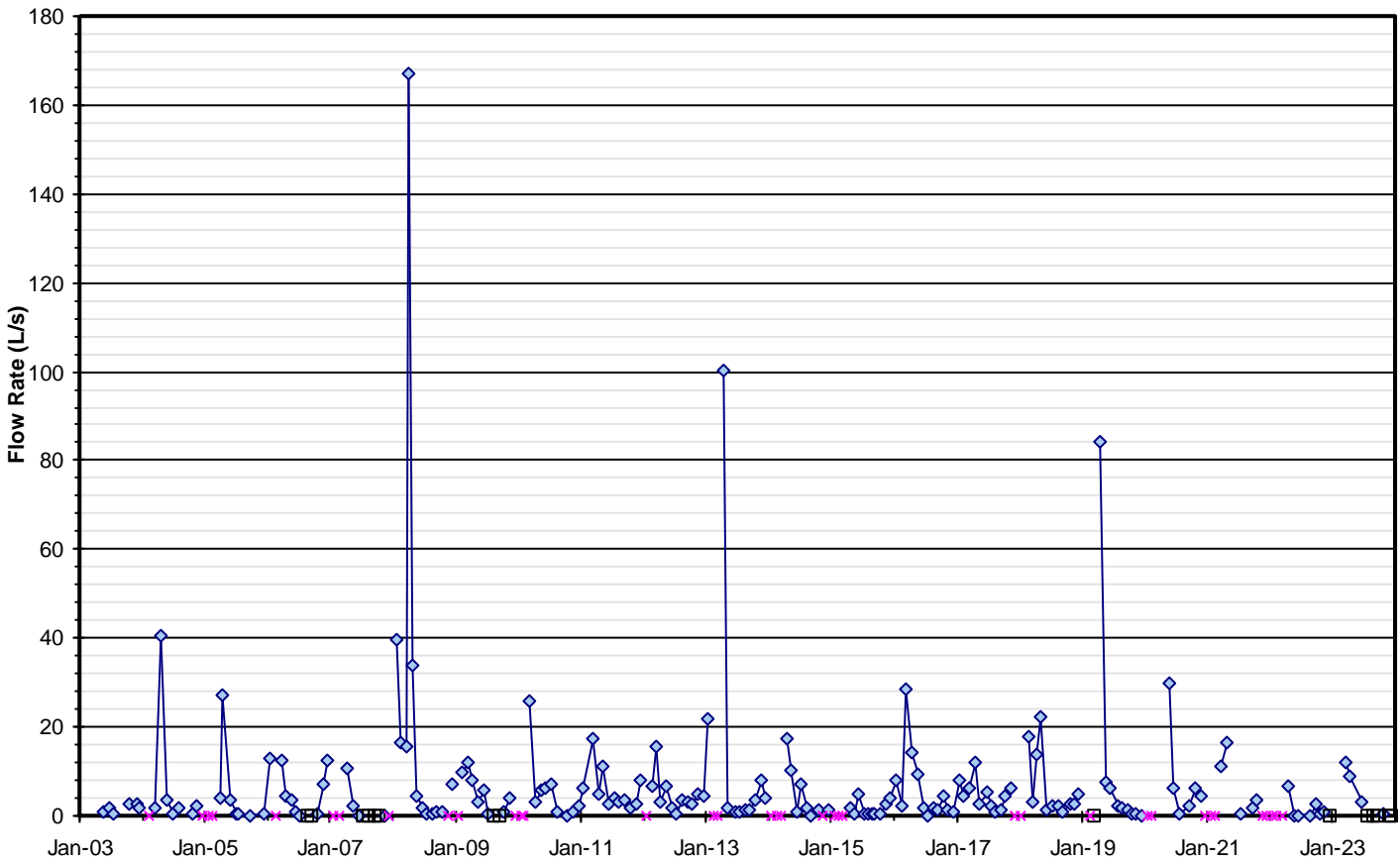
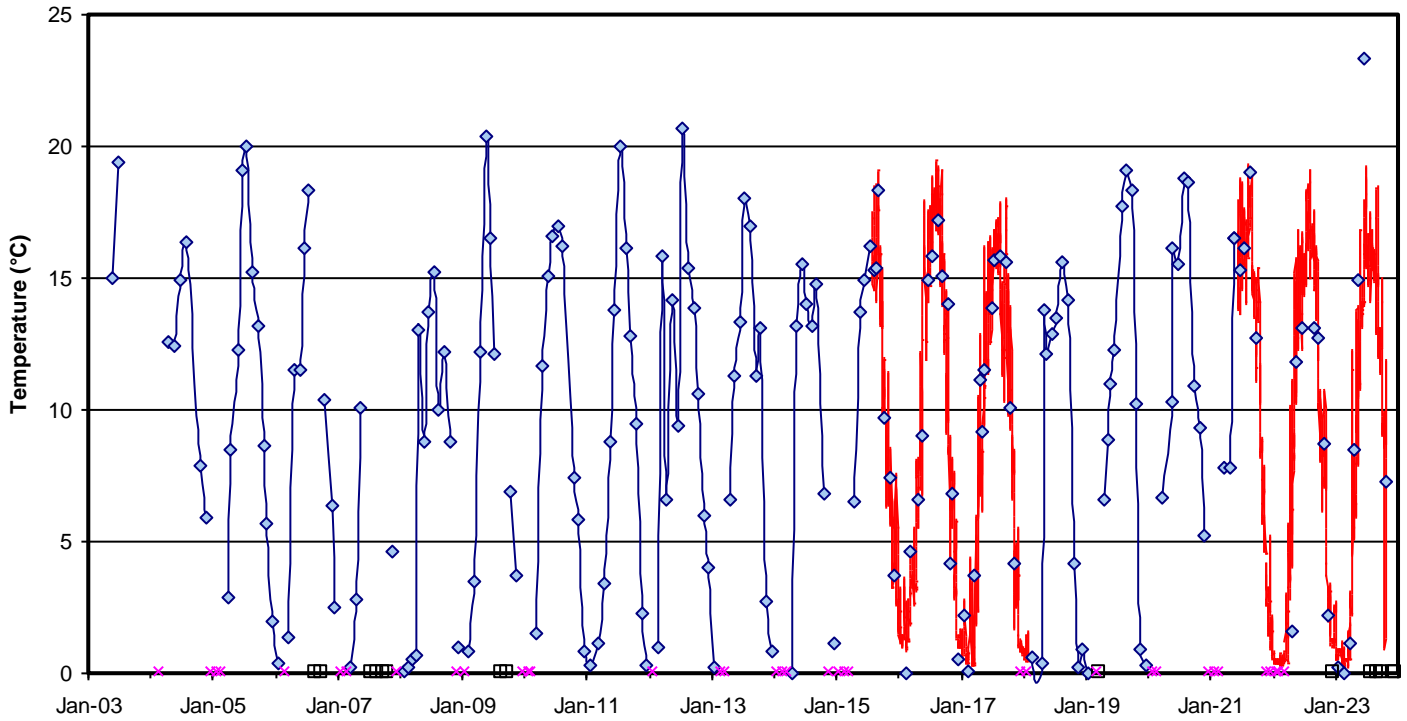
**Figure C-24 Surface Water Temperature and Flow**  
**SW14 - Batteaux Creek Downstream of Franks Pond**



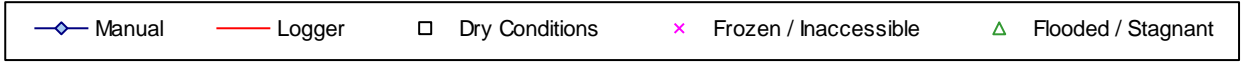
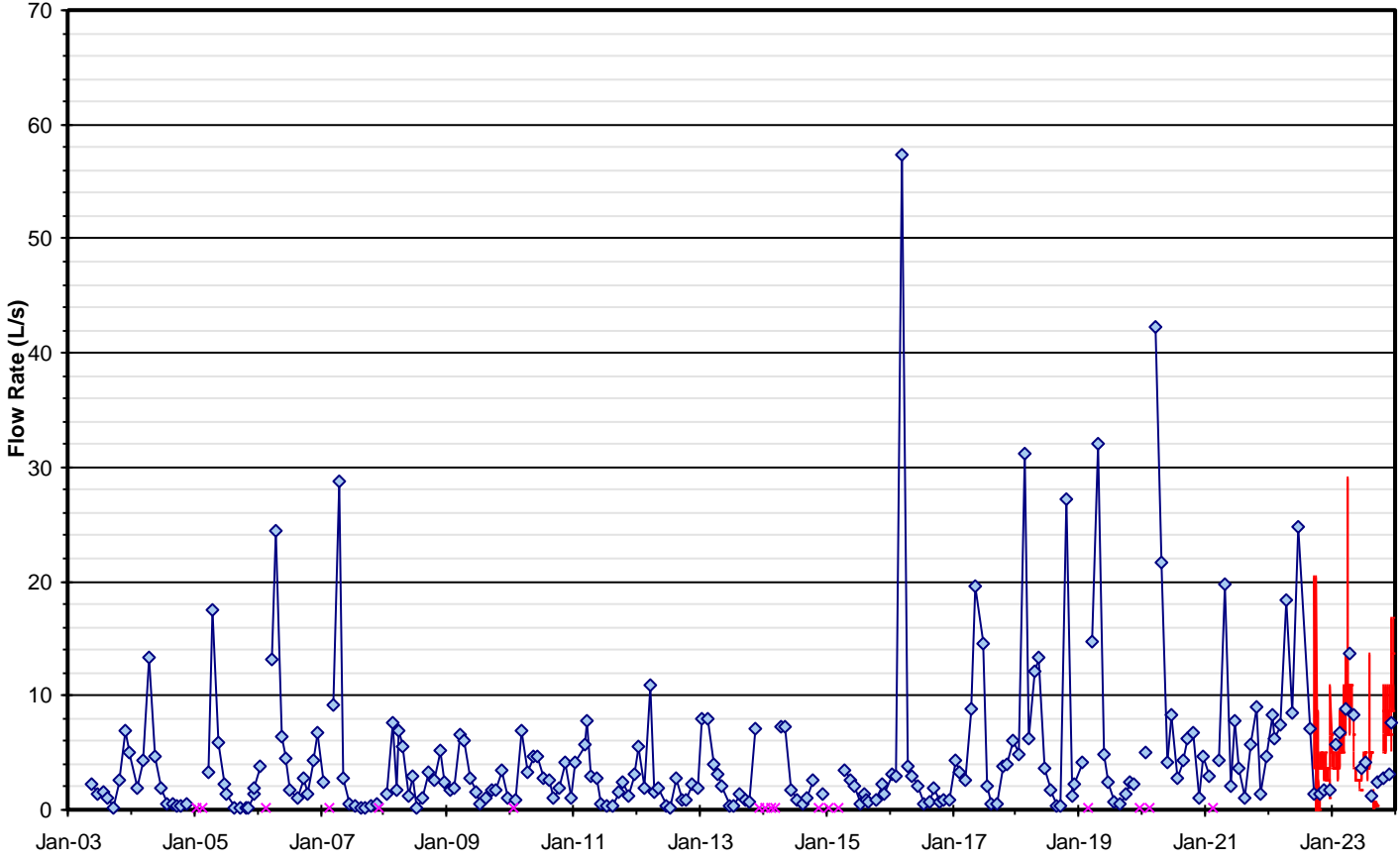
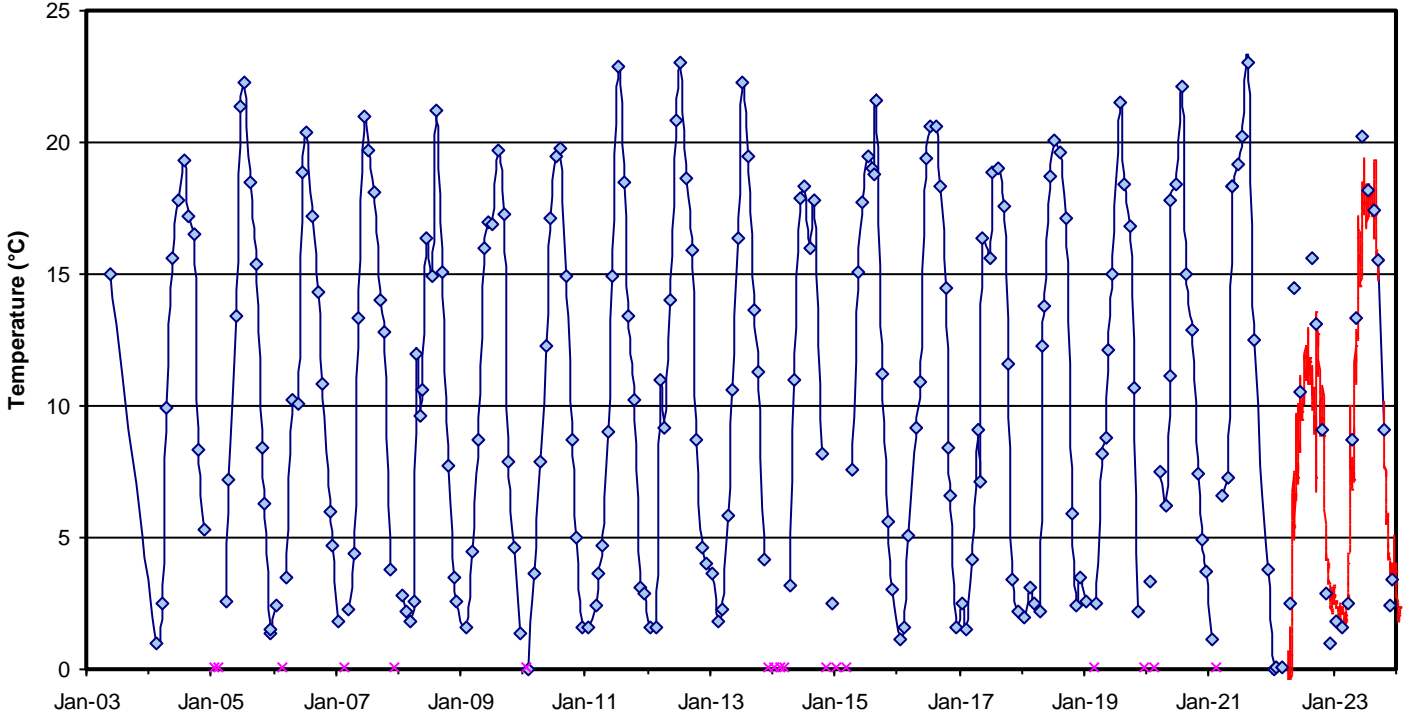
**Figure C-25 Surface Water Temperature and Flow**  
**SW15 - Batteaux Creek Downstream of Franks Pond**



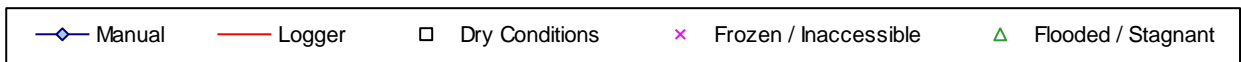
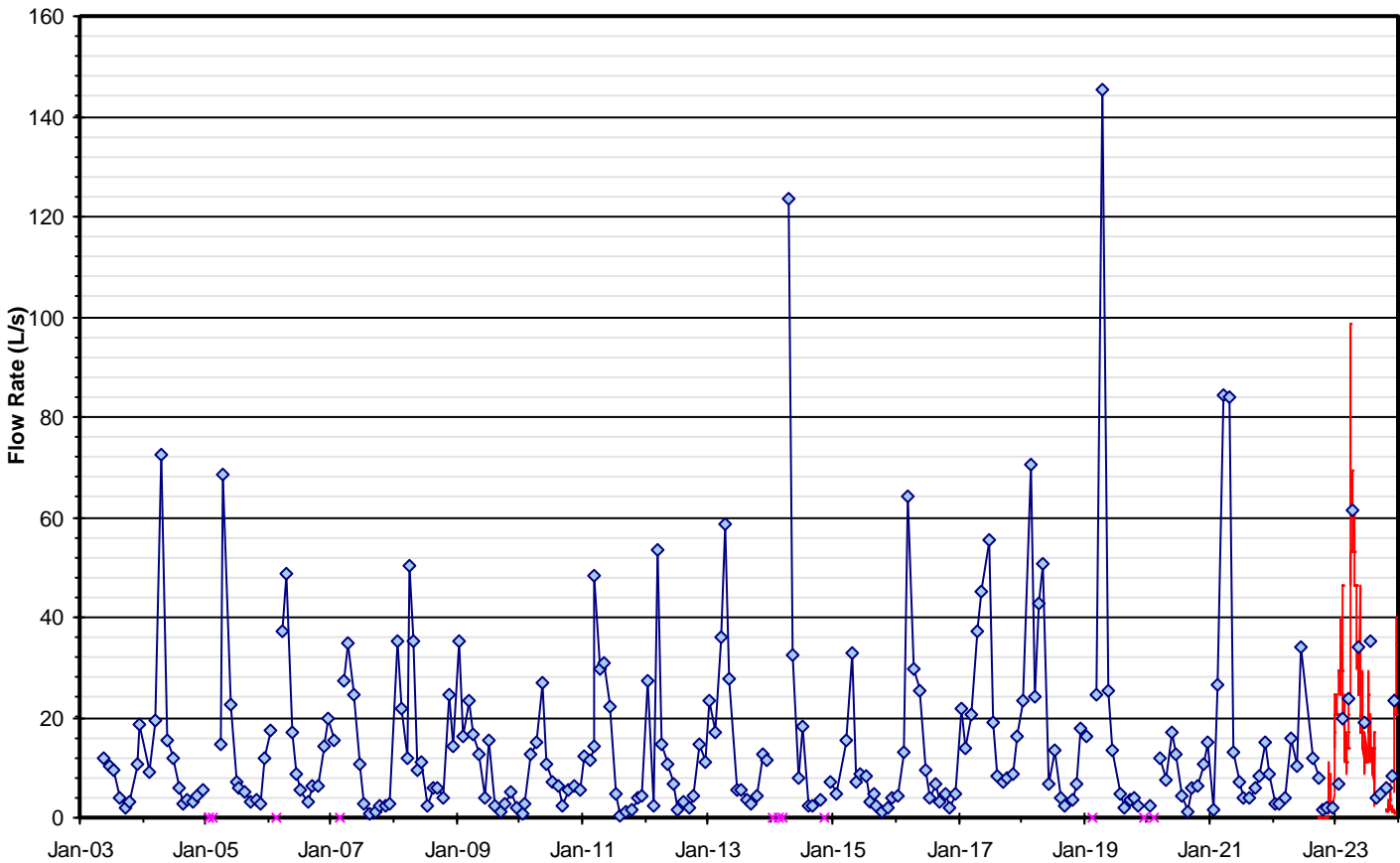
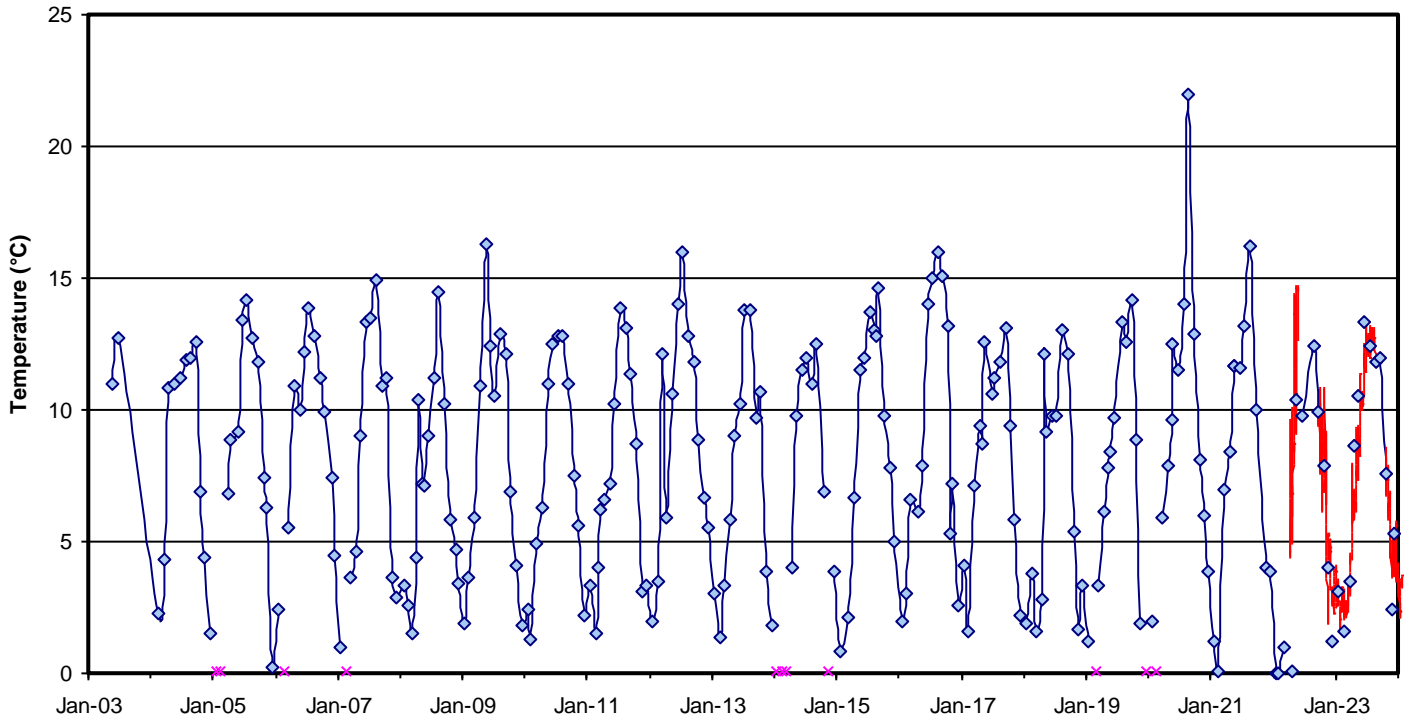
**Figure C-26 Surface Water Temperature and Flow**  
**SW16 - Pretty River Escarpment Seep**



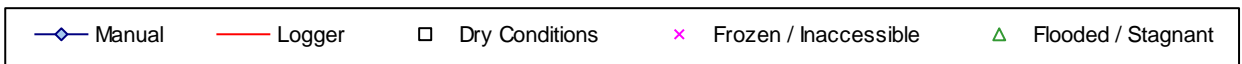
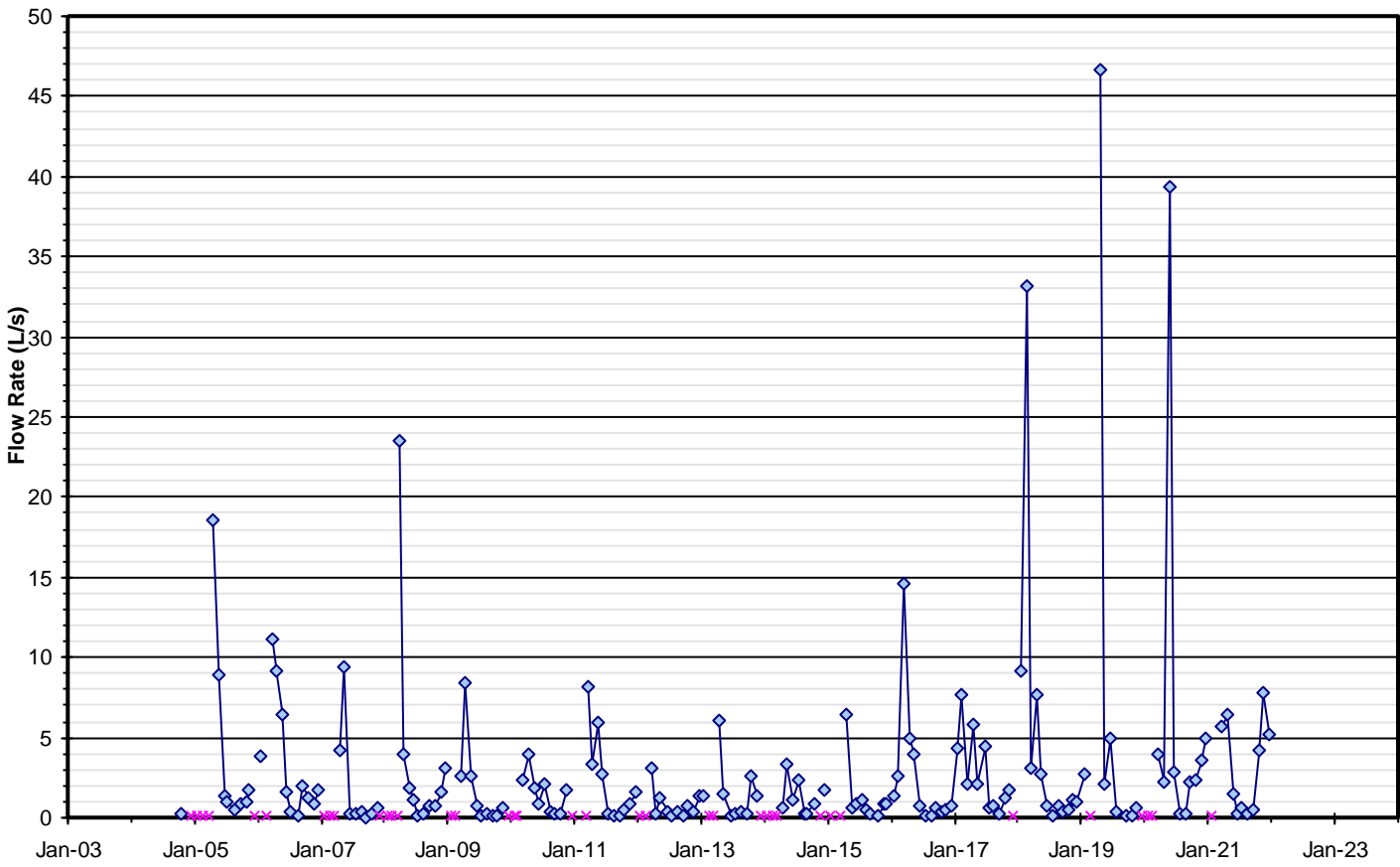
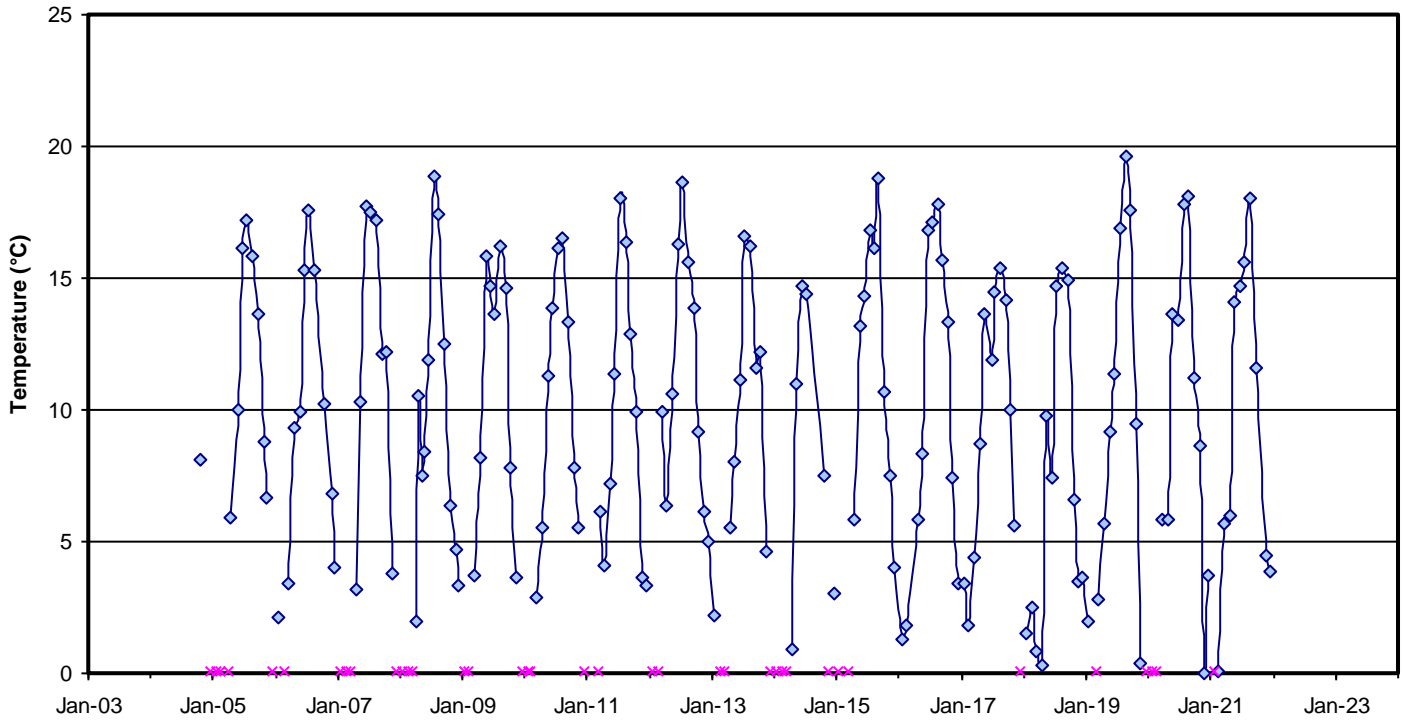
**Figure C-27 Surface Water Temperature and Flow**  
**SW17 - Sestito Pond Outlet**



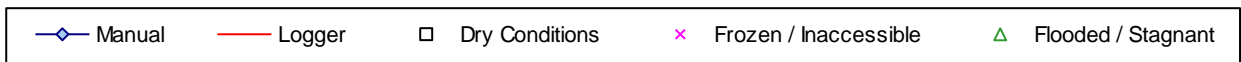
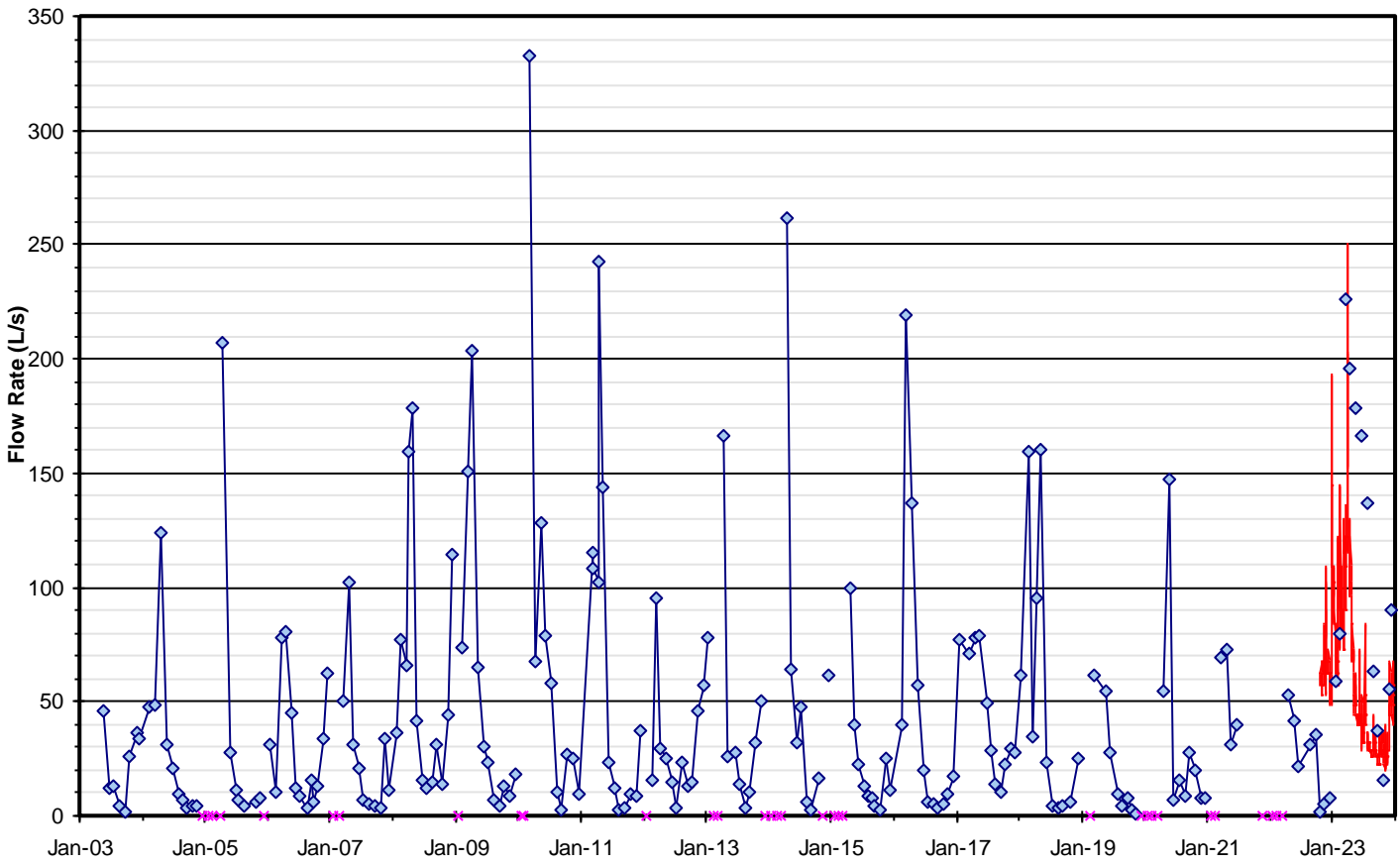
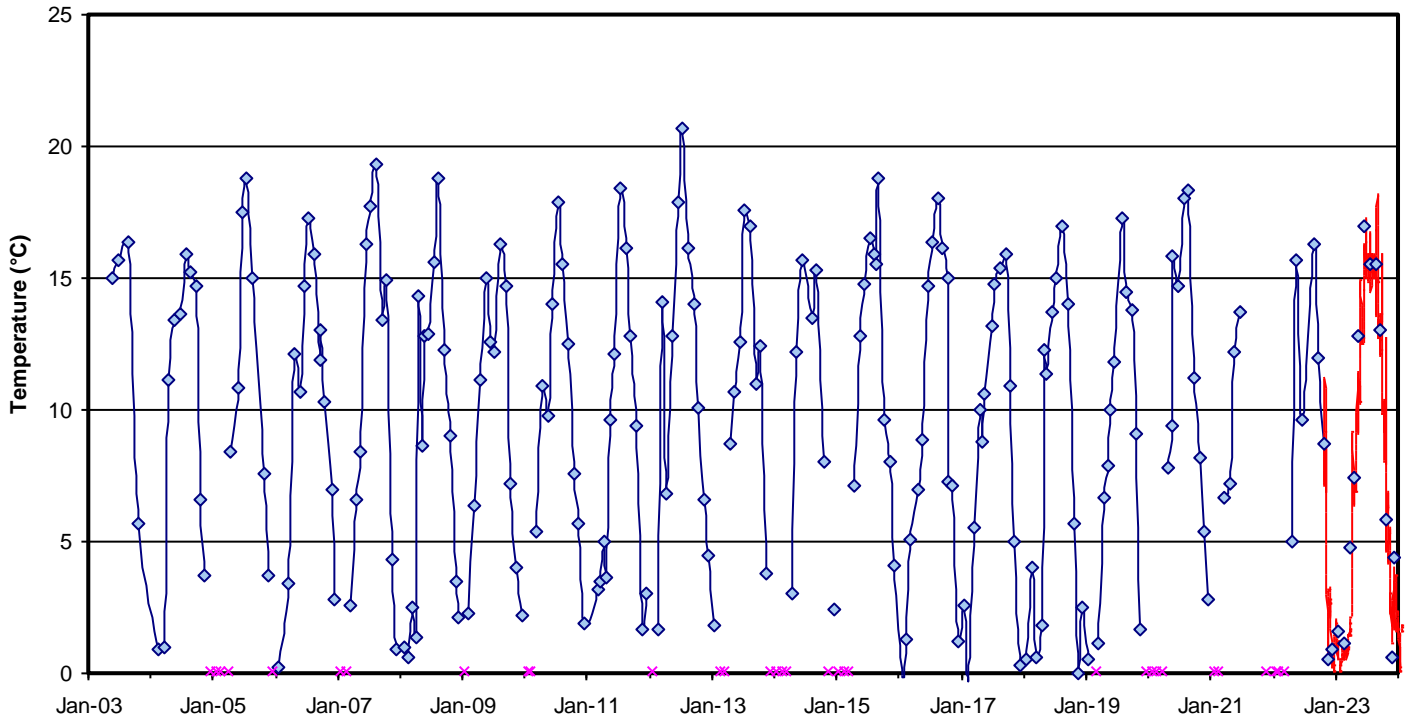
**Figure C-28 Surface Water Temperature and Flow**  
**SW17A - Downstream of SW17**



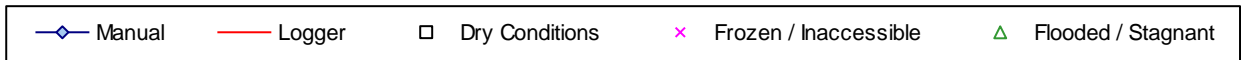
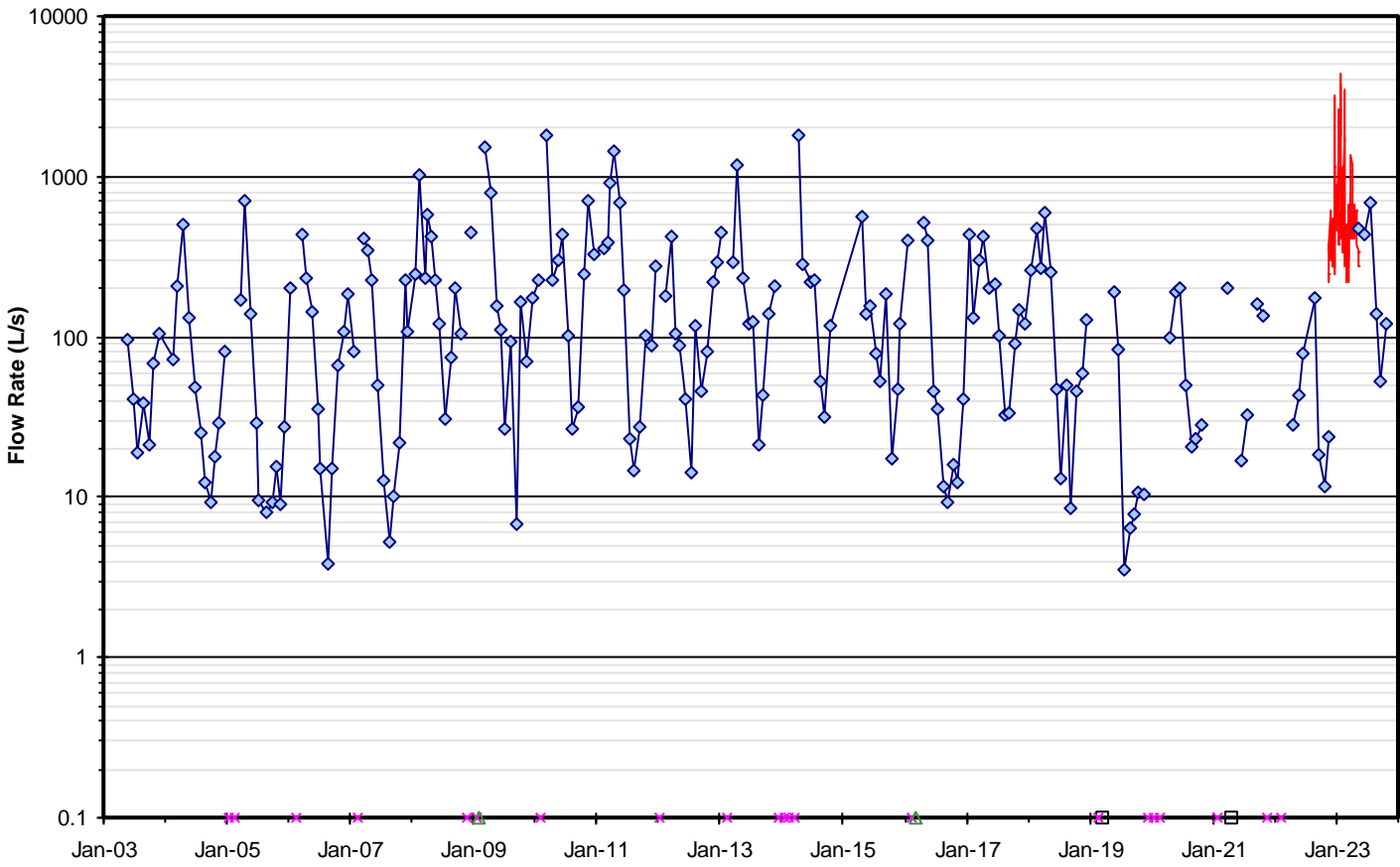
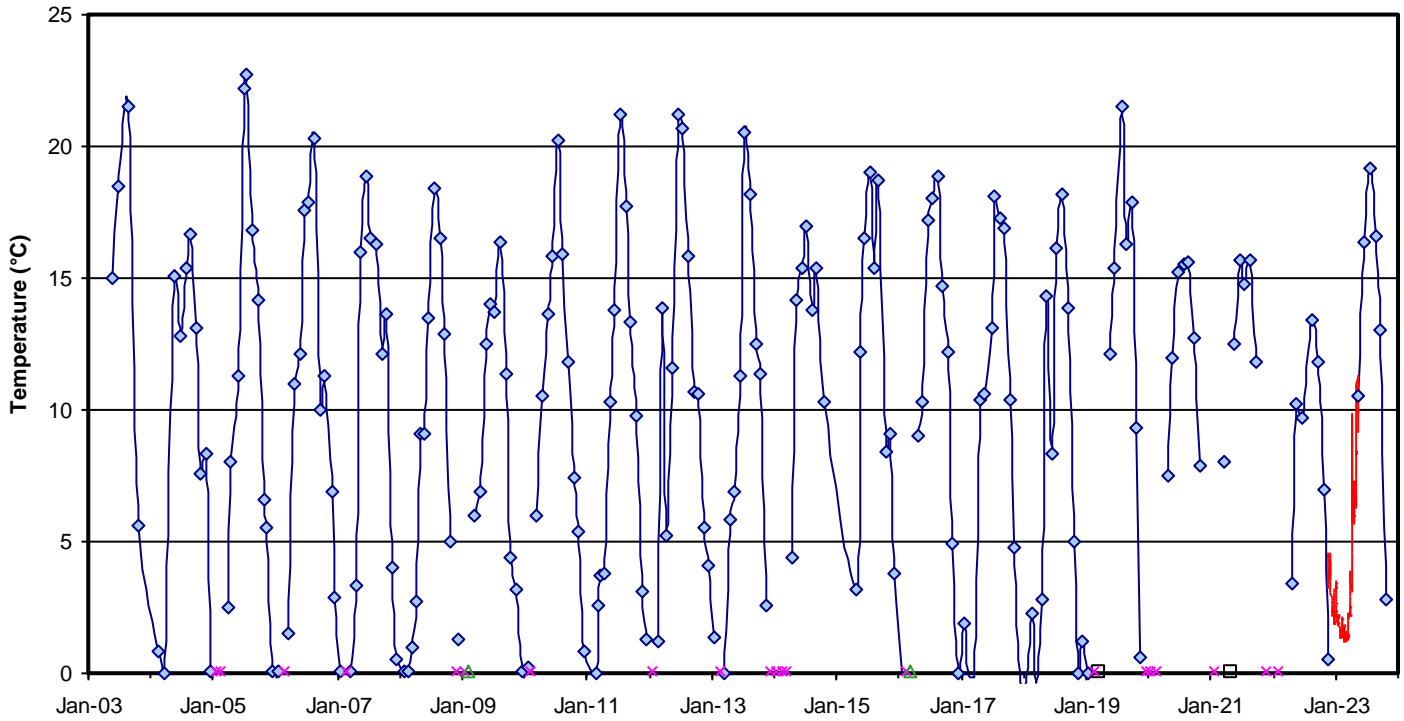
**Figure C-29 Surface Water Temperature and Flow**  
**SW17B - Upstream of SW17**



**Figure C-30 Surface Water Temperature and Flow**  
**SW18 - Pretty River at Concession 10**

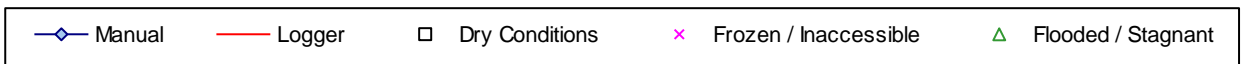
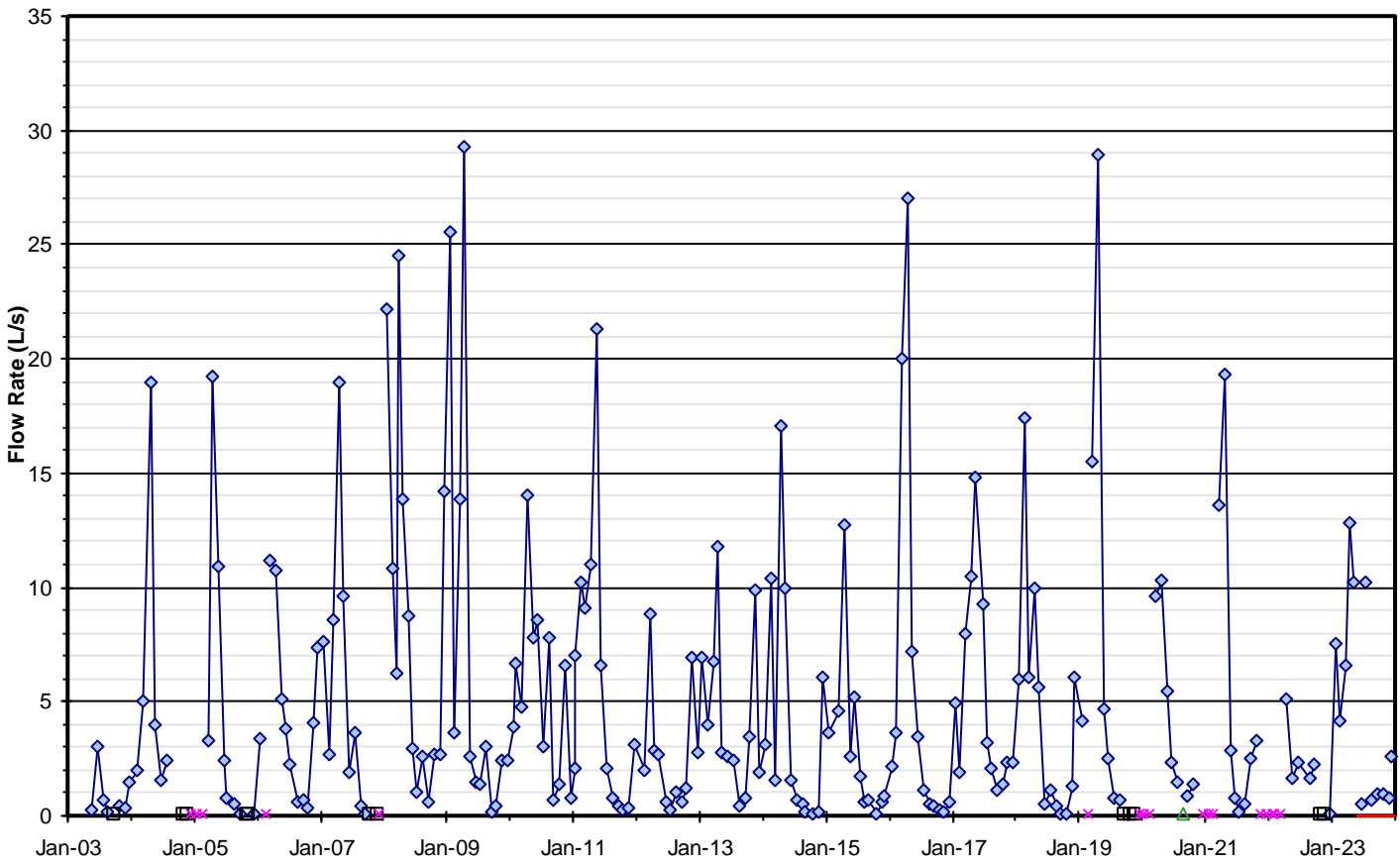
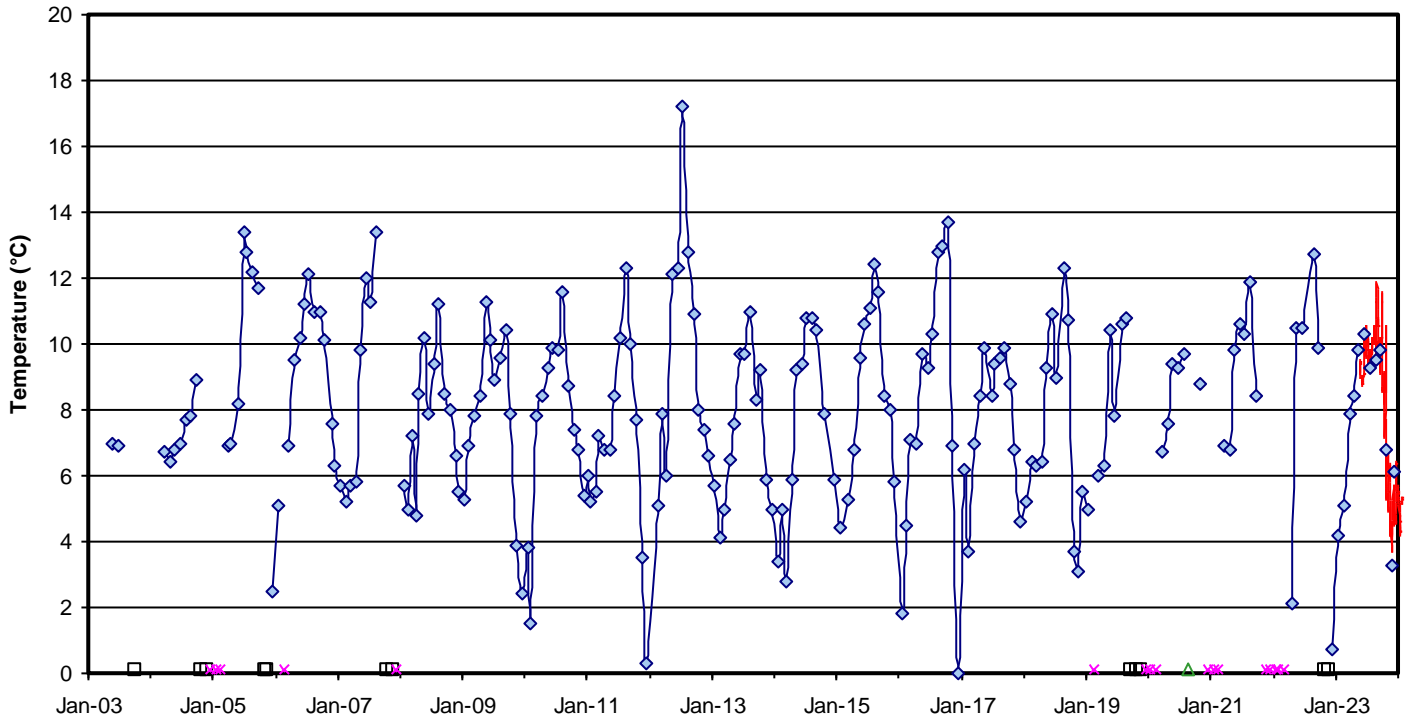


**Figure C-31 Surface Water Temperature and Flow**  
**SW19 - Batteaux Creek at County Road 124**

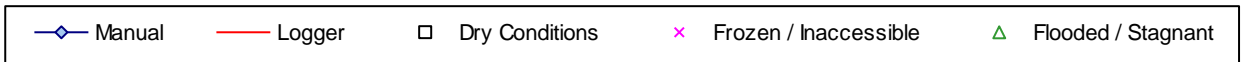
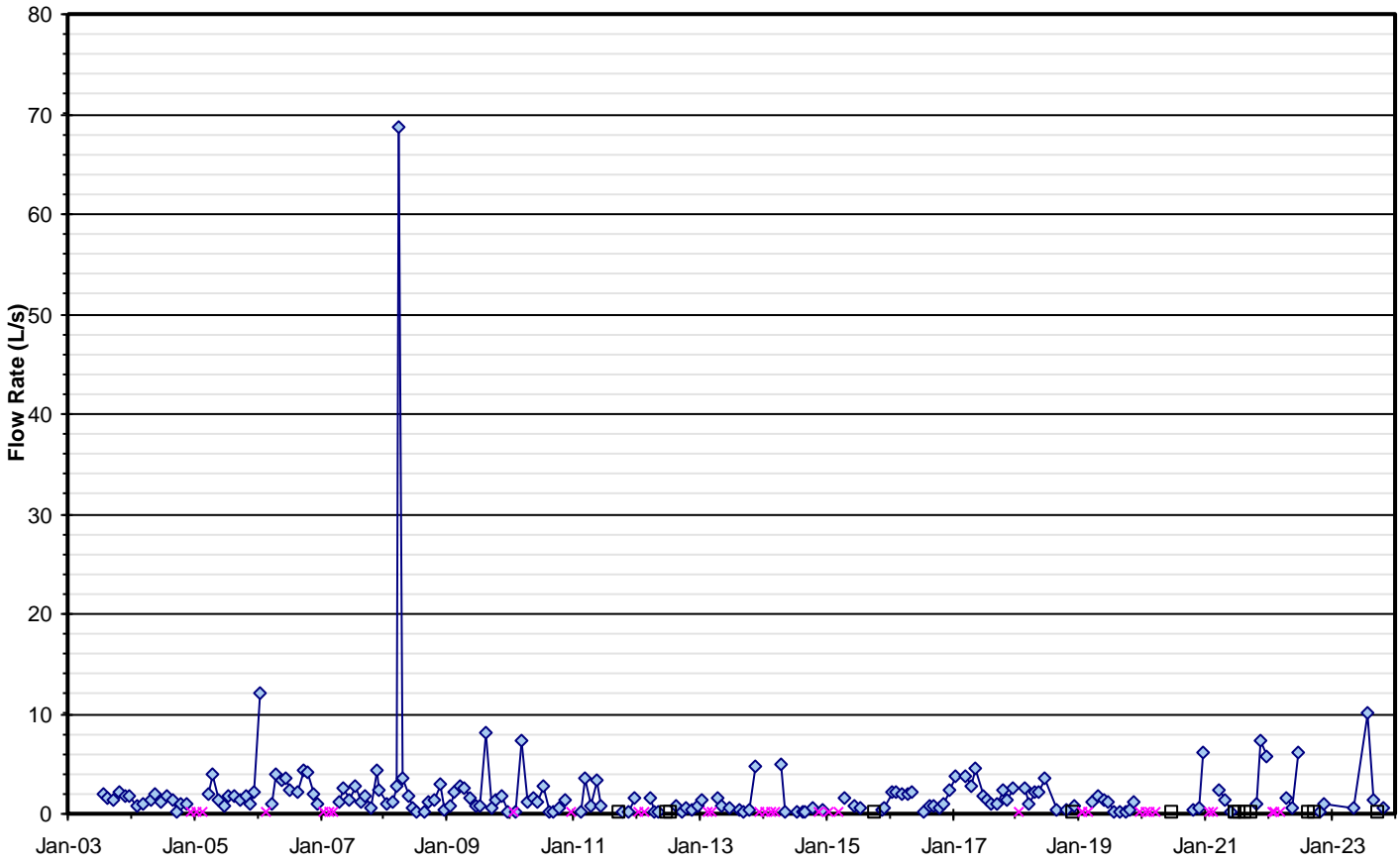
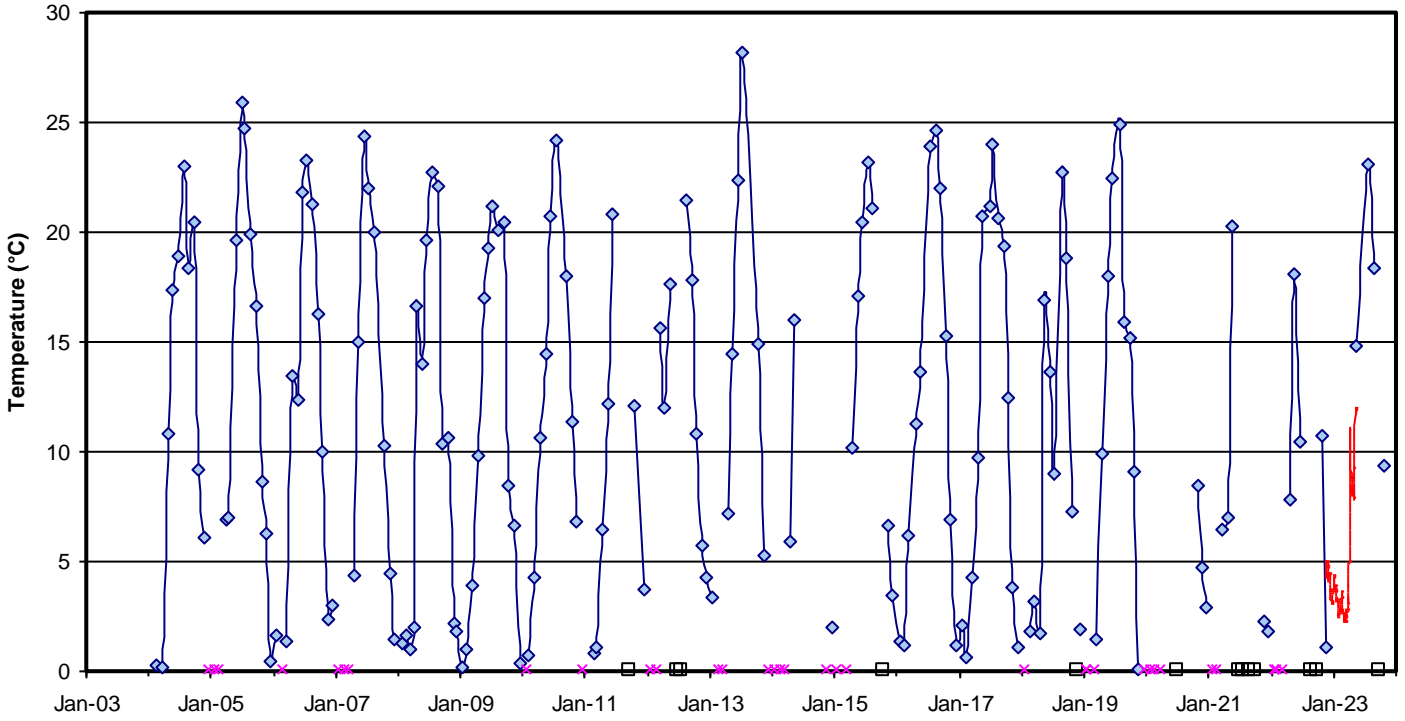




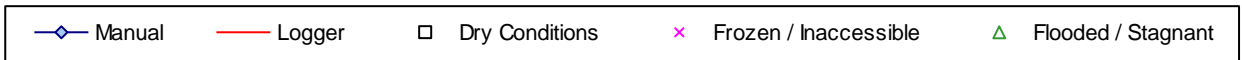
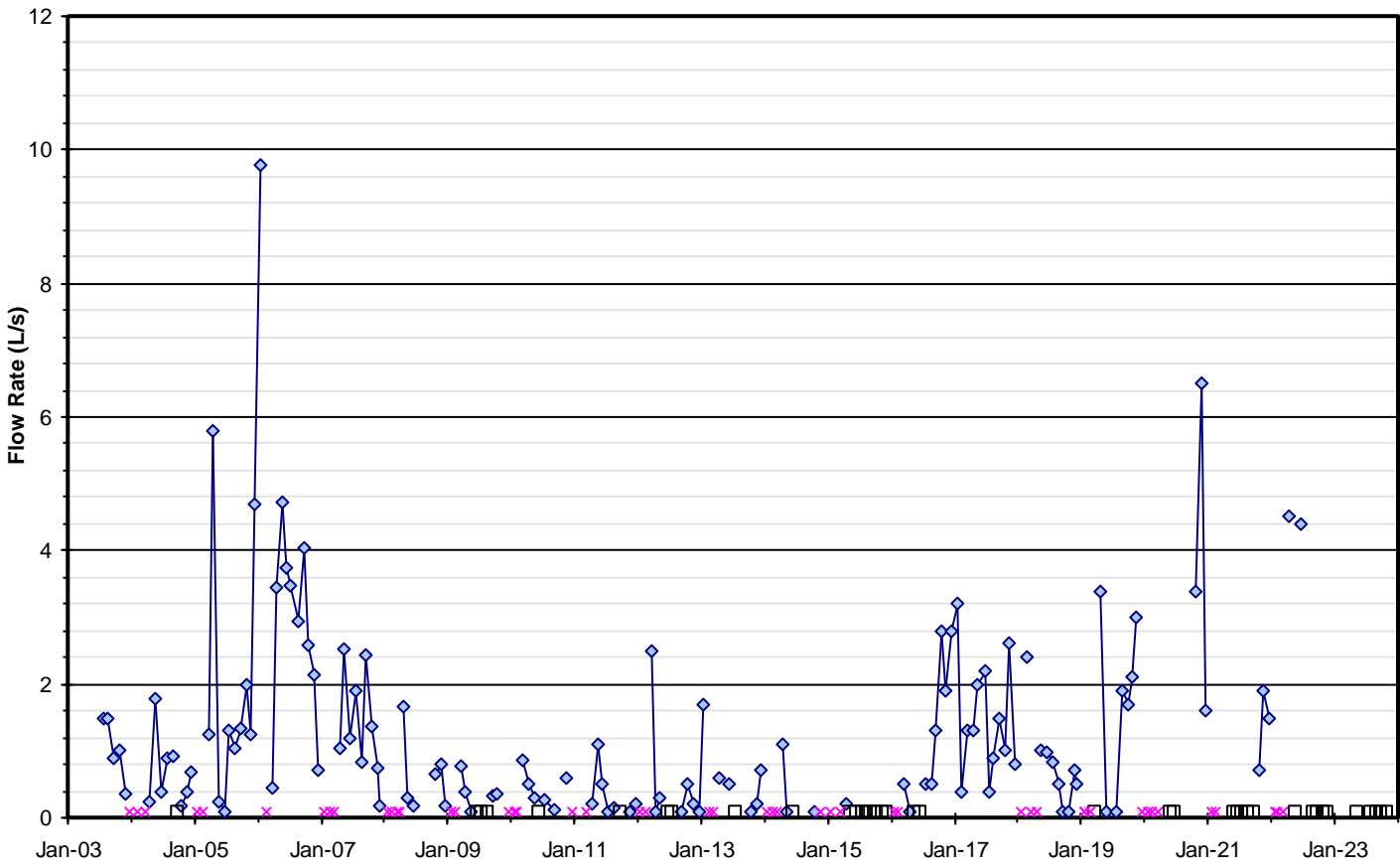
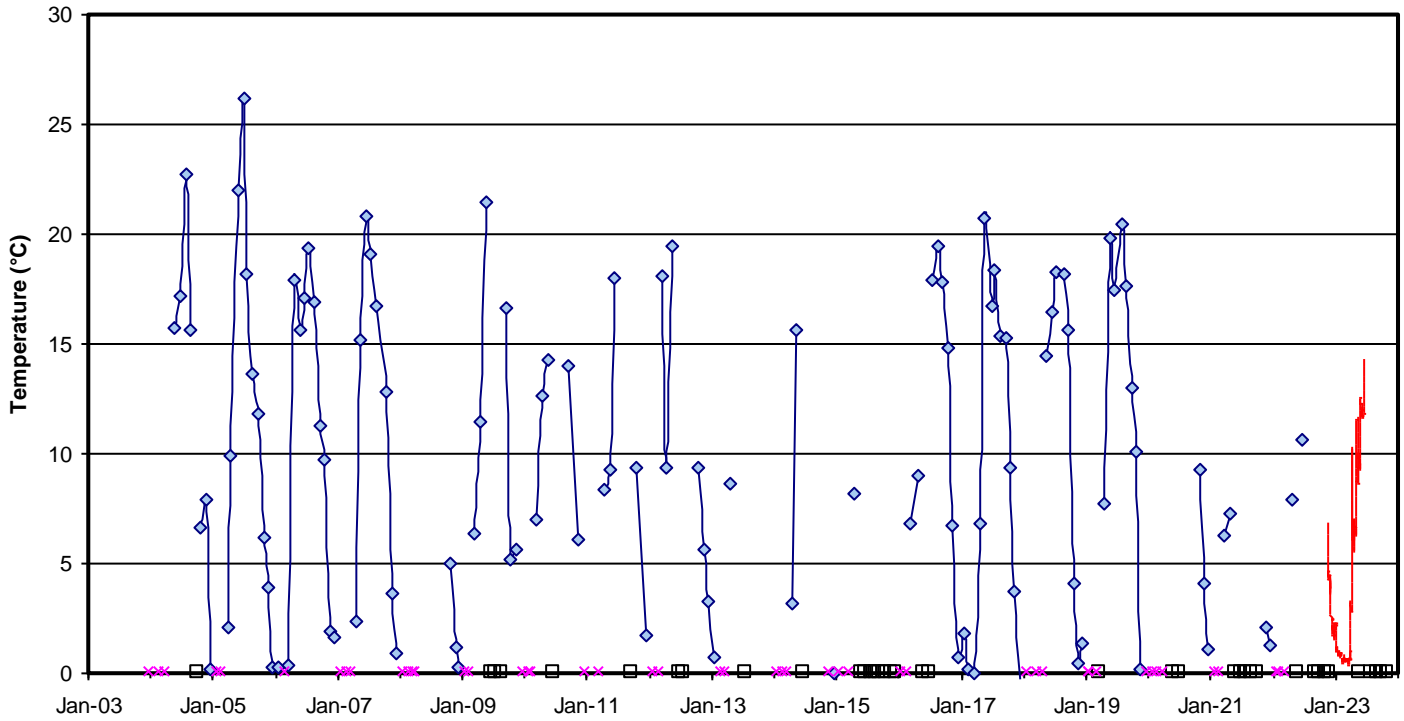
**Figure C-32 Surface Water Temperature and Flow**  
**SW20 - Escarpment Seep to Pretty River**



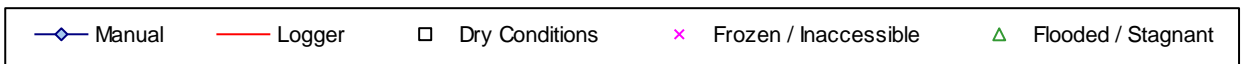
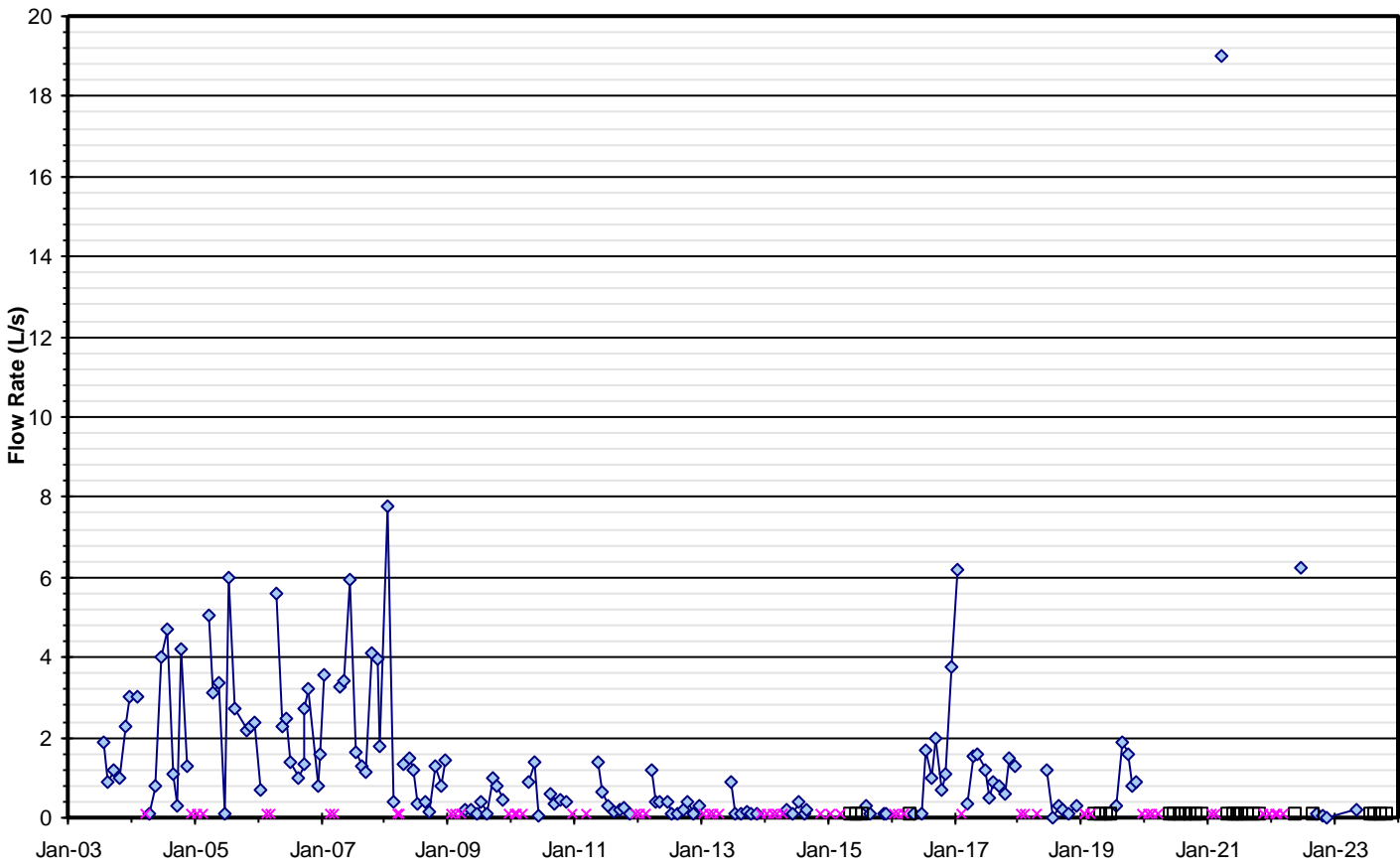
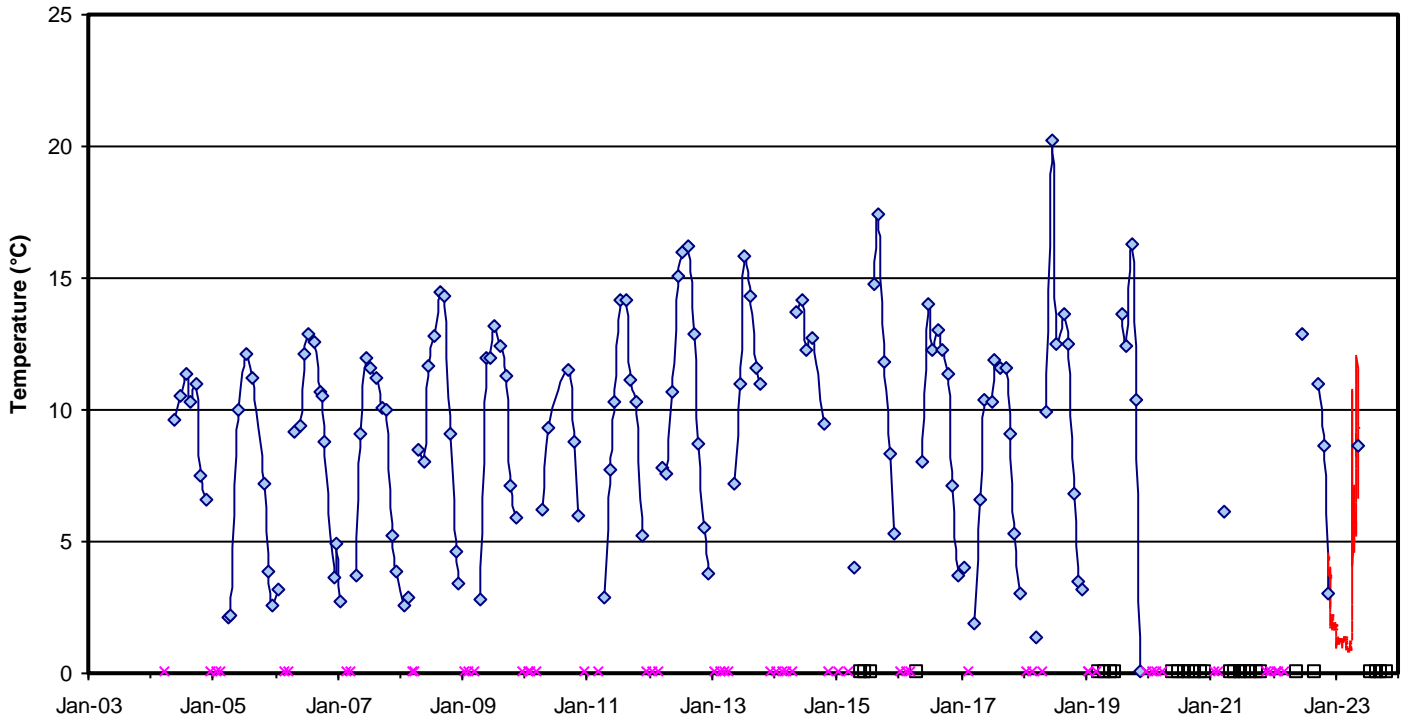
**Figure C-33 Surface Water Temperature and Flow**  
**SW21 - Franks Pond Outlet**



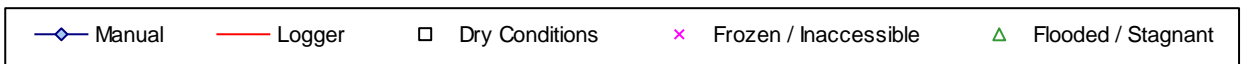
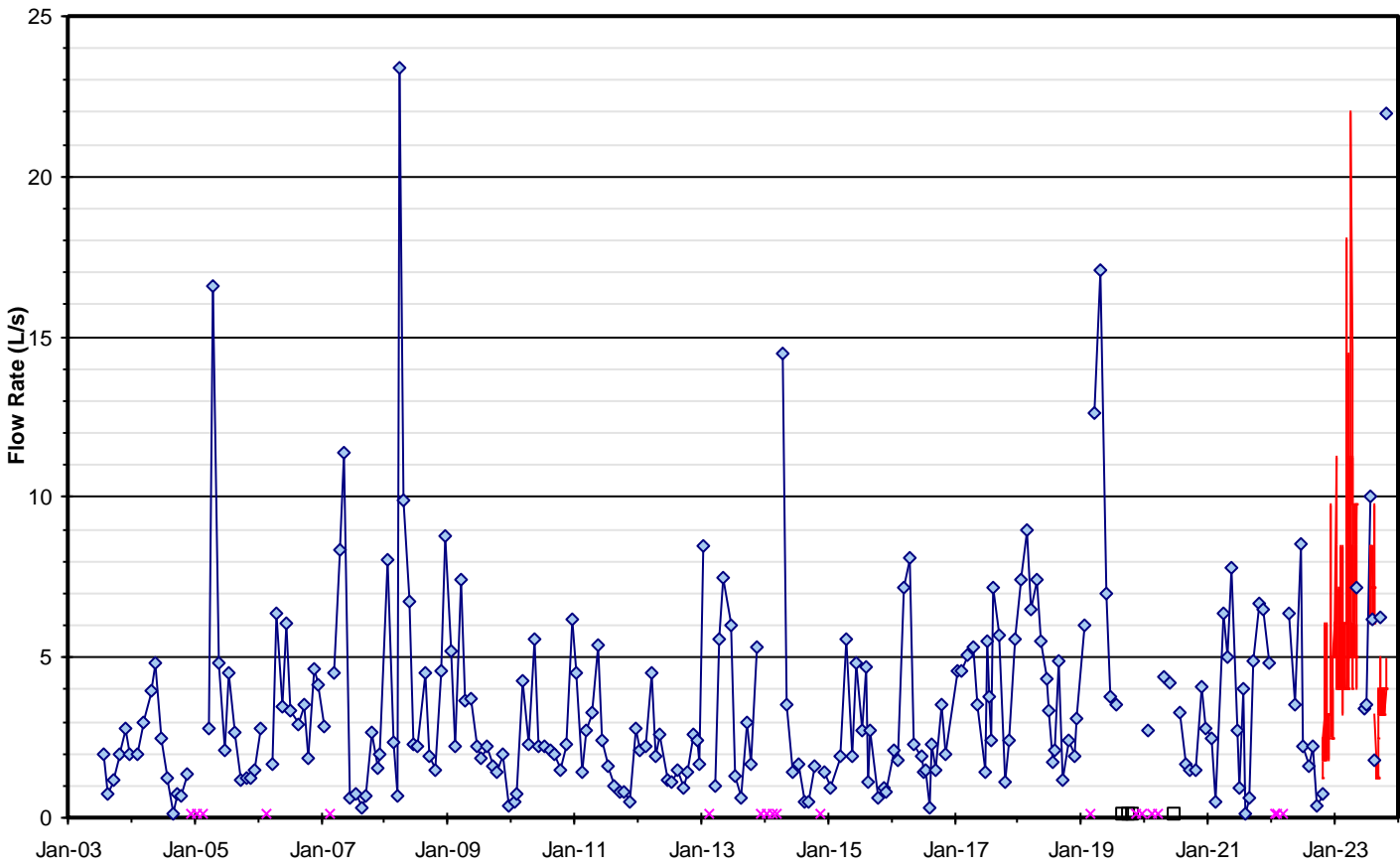
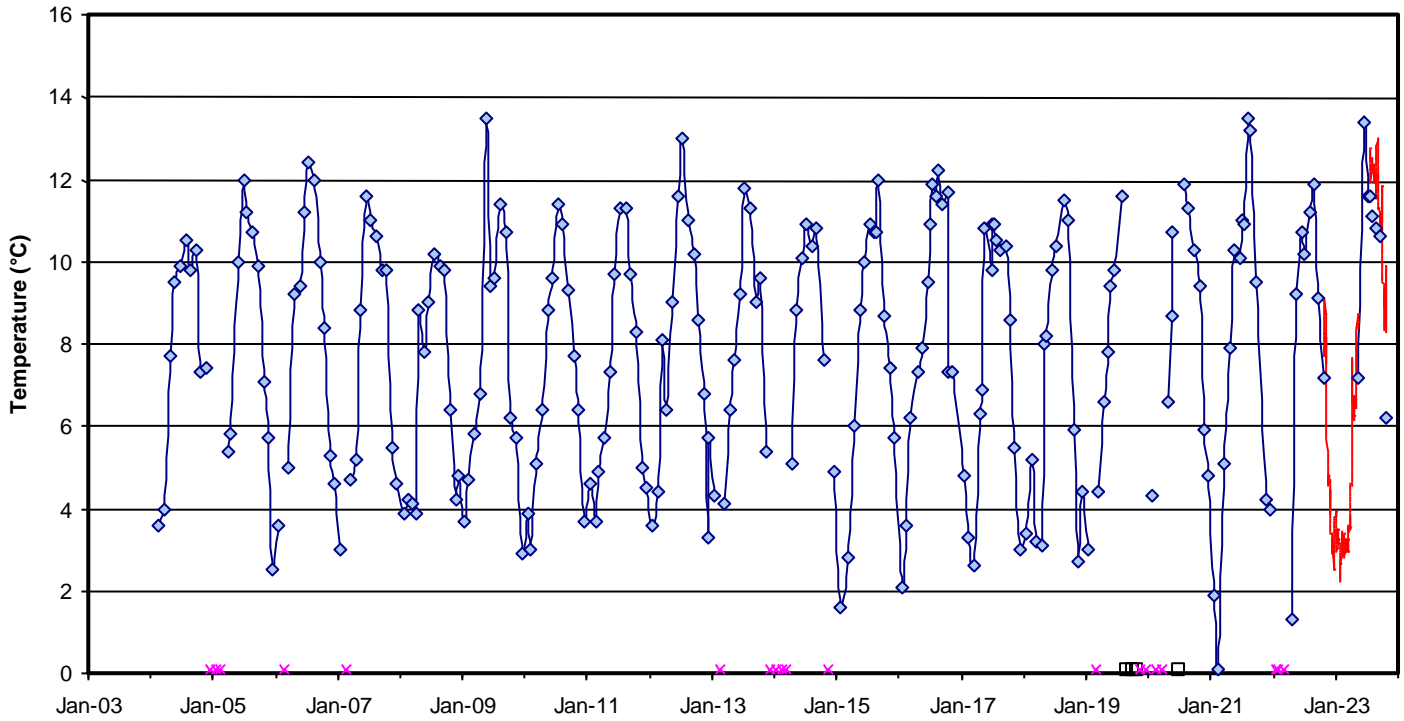
**Figure C-34 Surface Water Temperature and Flow**  
**SW21A - Franks Pond Inlet**



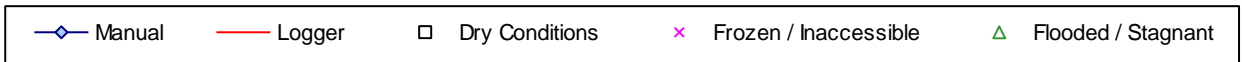
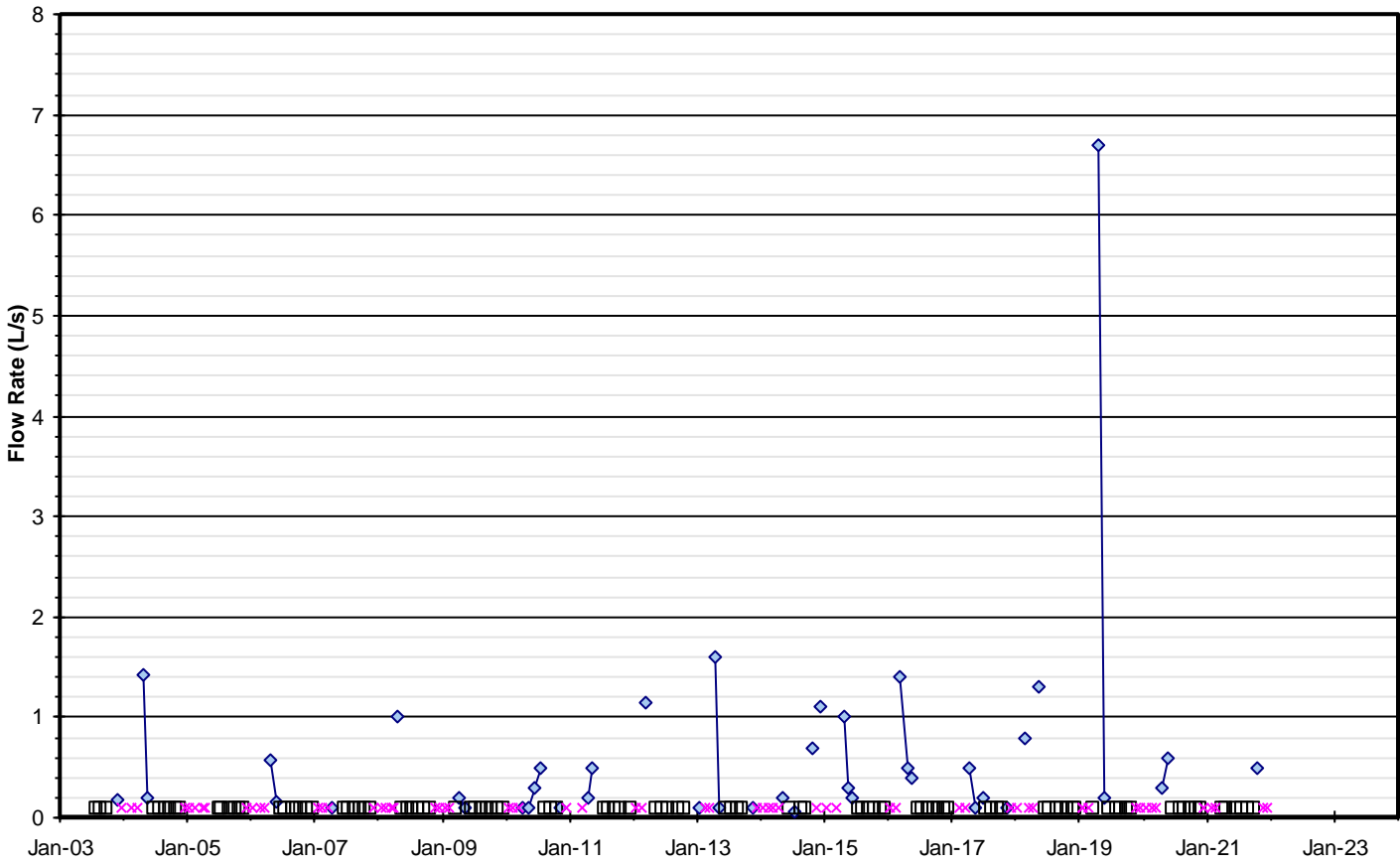
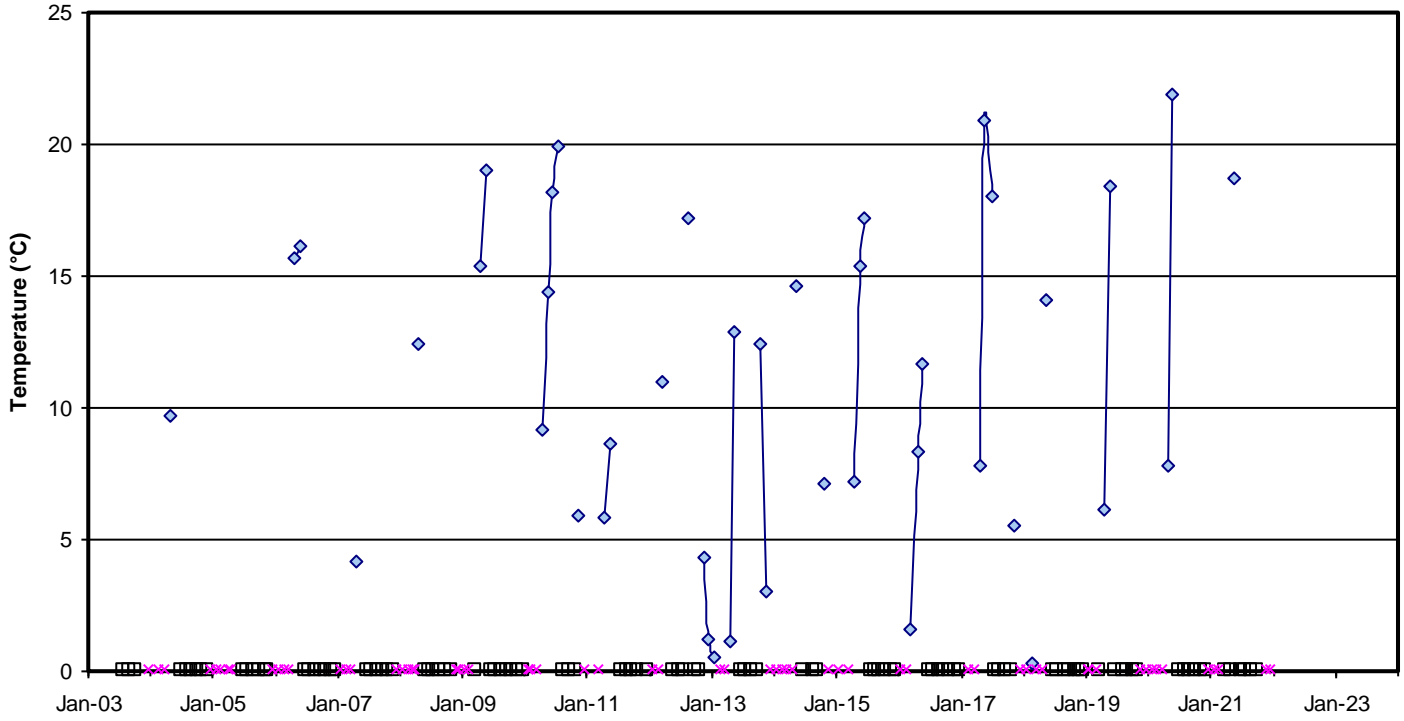
**Figure C-35 Surface Water Temperature and Flow**  
**SW21B - Upstream of Franks Pond Inlet**



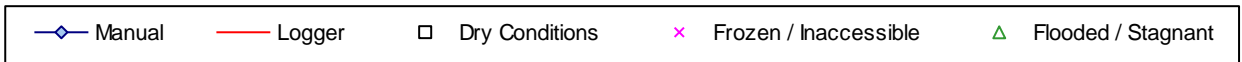
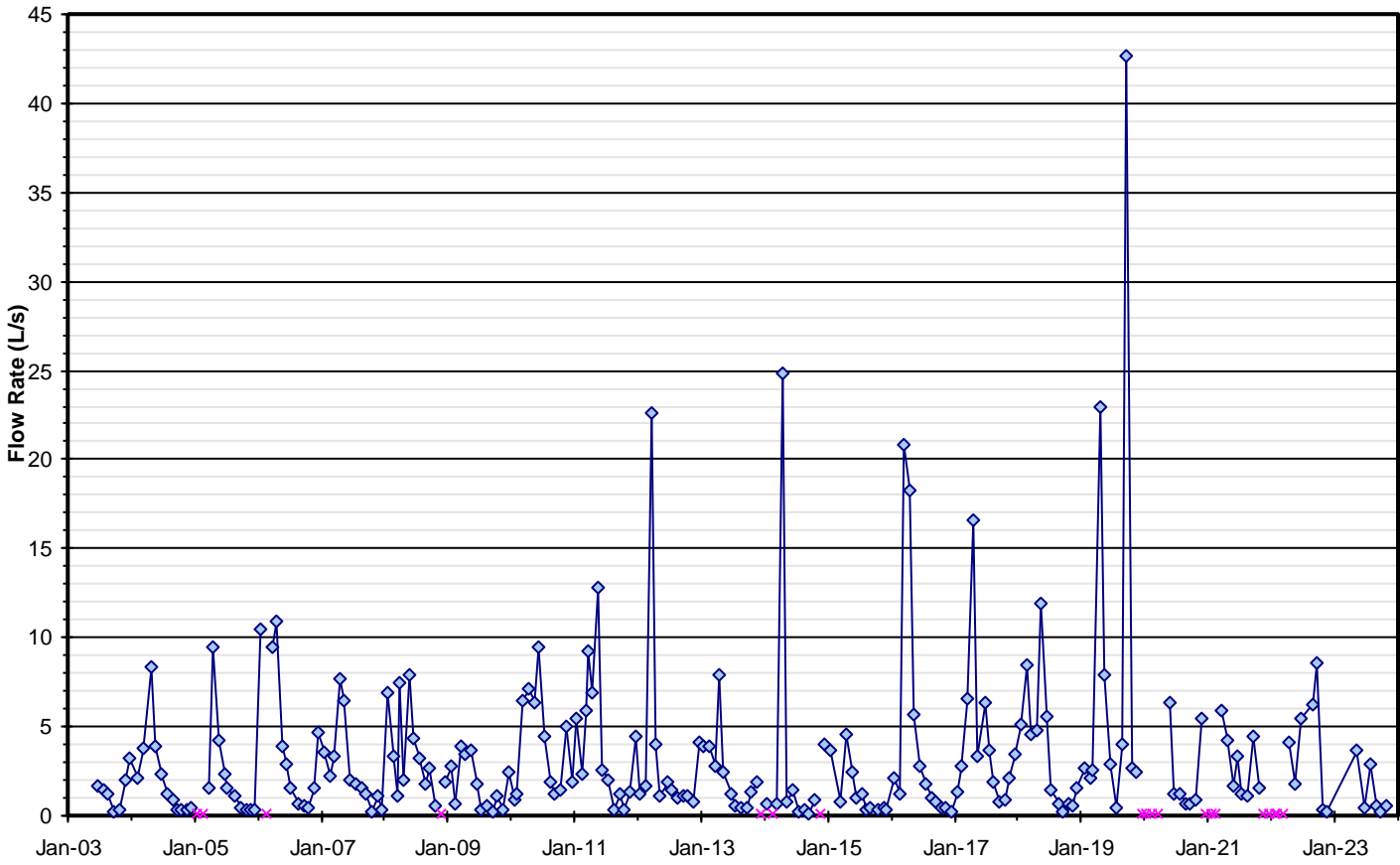
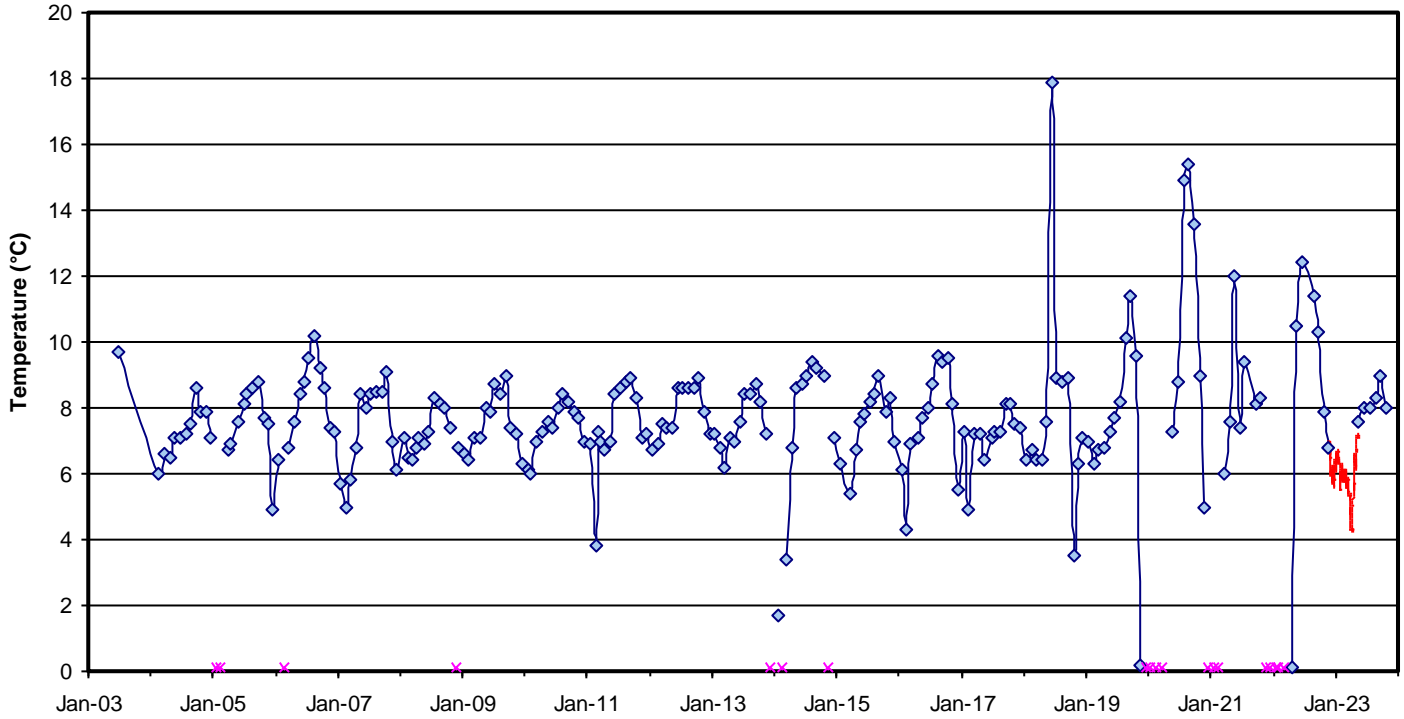
**Figure C-36 Surface Water Temperature and Flow**  
**SW21C - Upstream of SW21B**



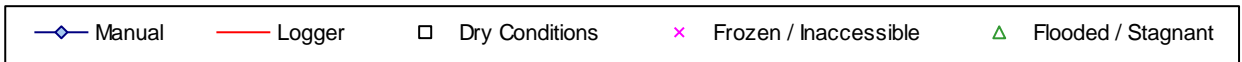
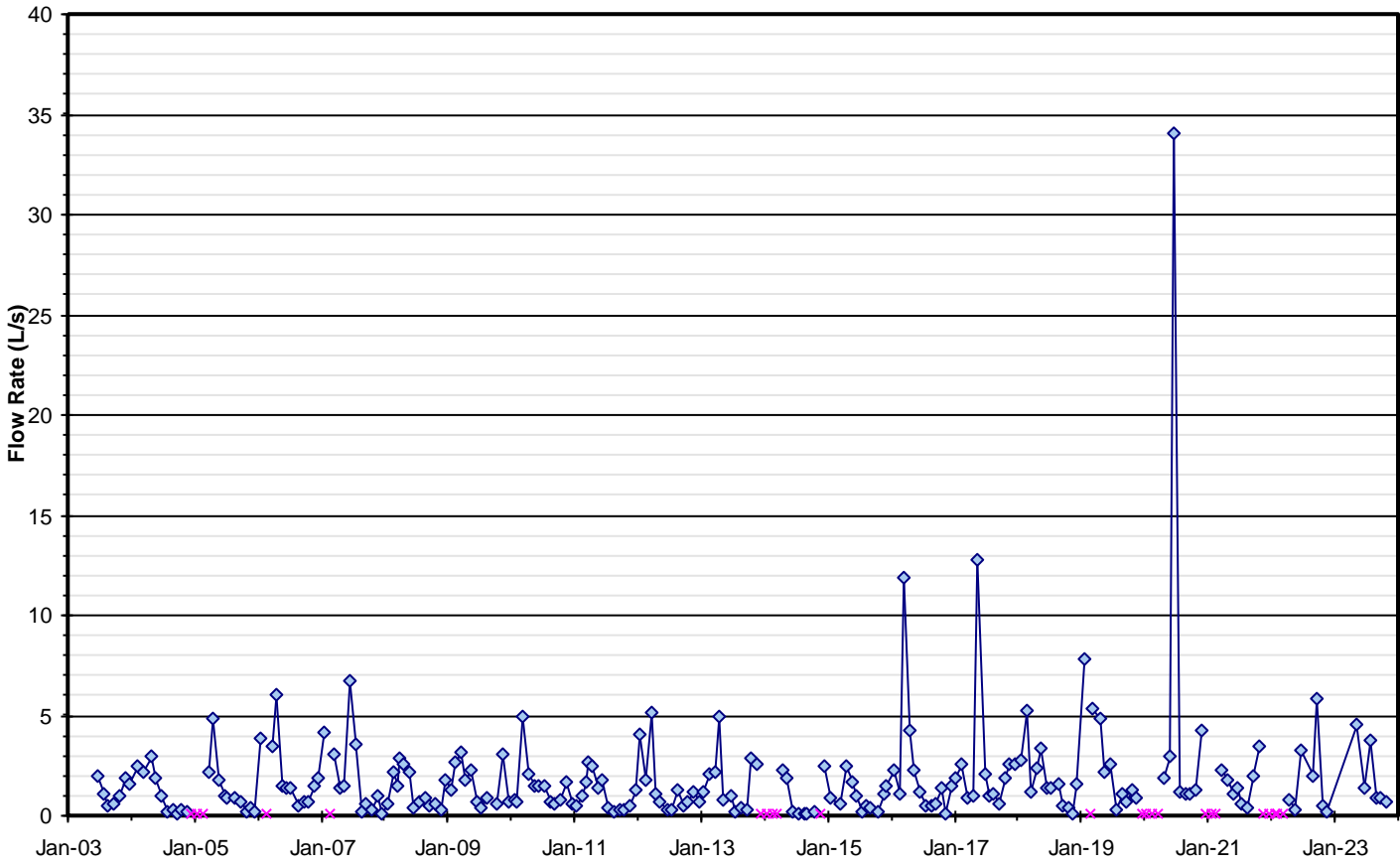
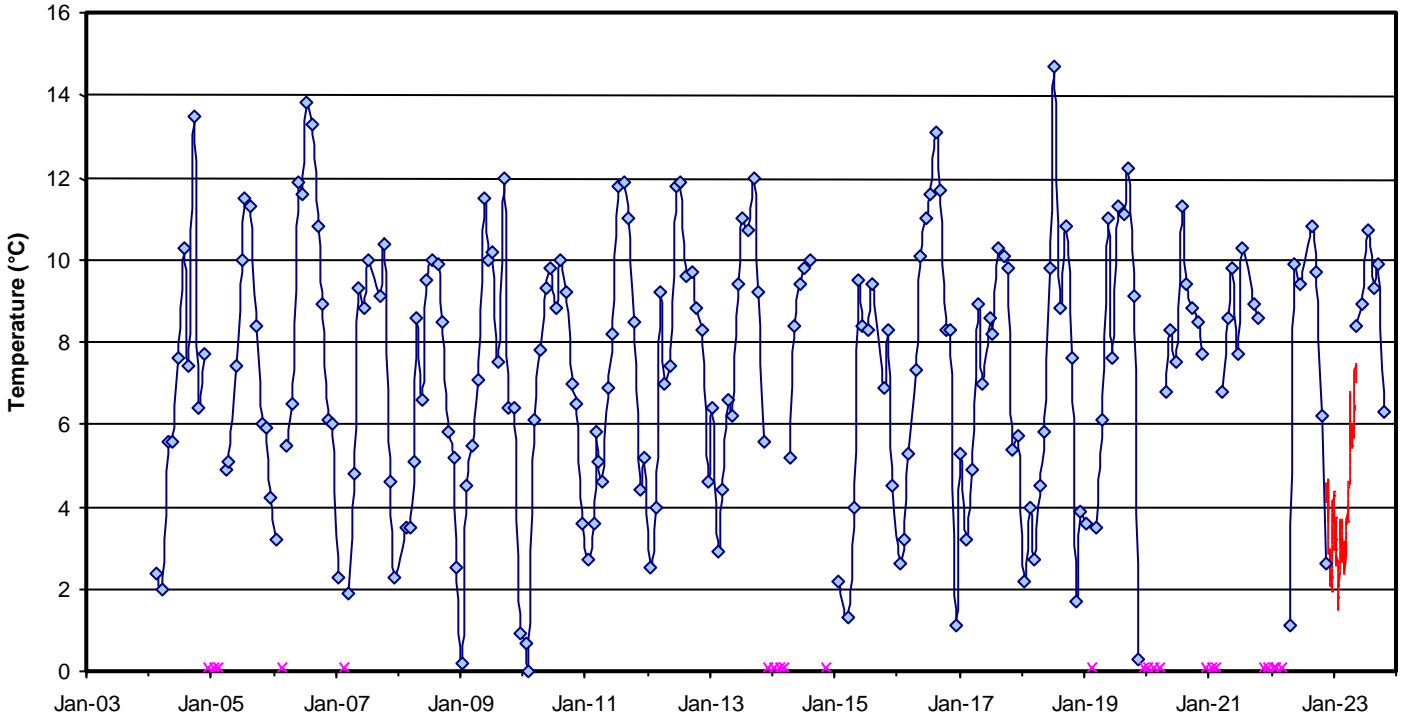
**Figure C-37 Surface Water Temperature and Flow**  
**SW21D - Escarpment Seep Upstream of Franks Pond**



**Figure C-38 Surface Water Temperature and Flow**  
**SW22 - Escarpment Seep on Sampson Property to Batteaux Creek**

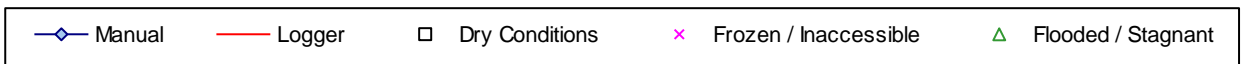
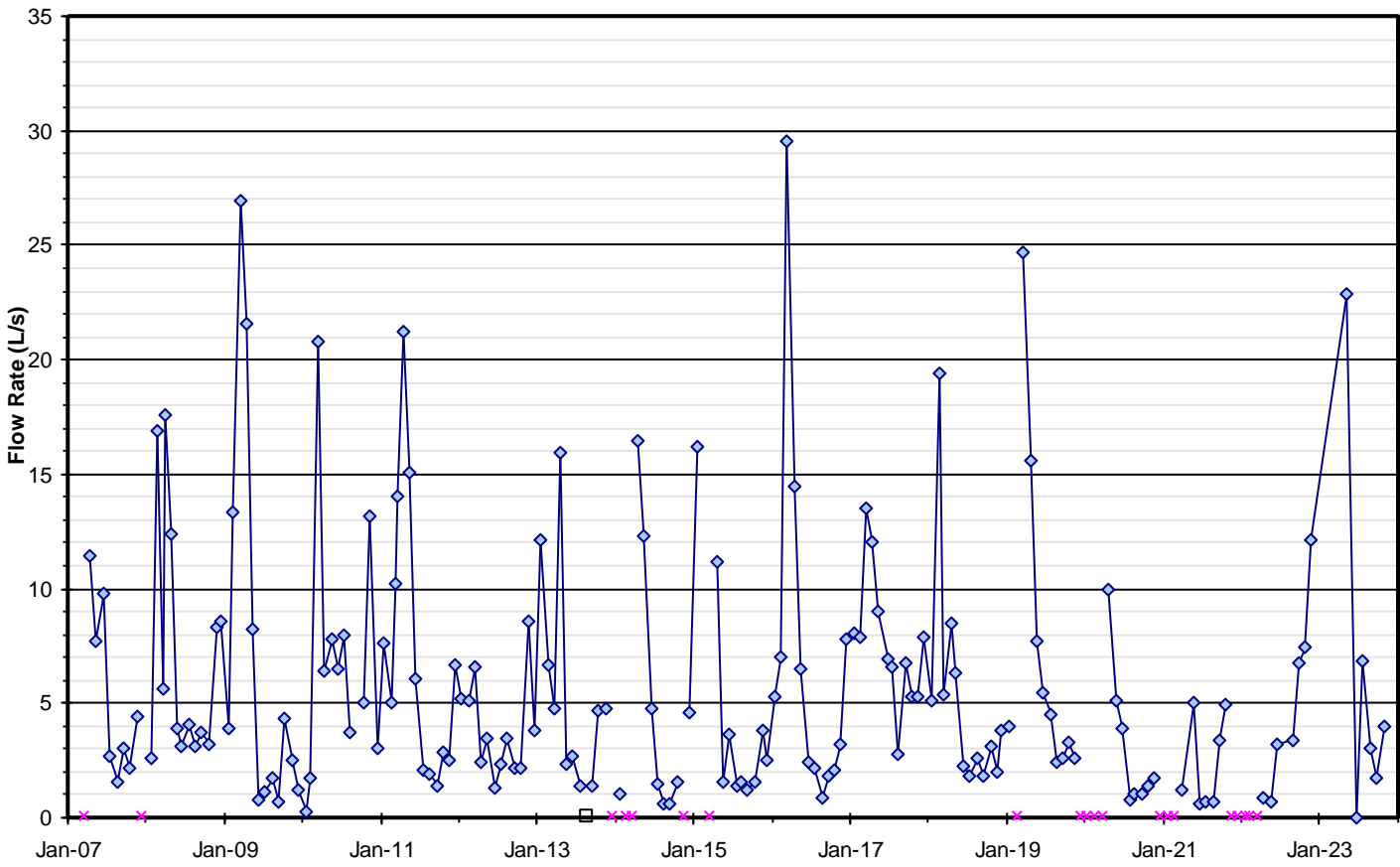
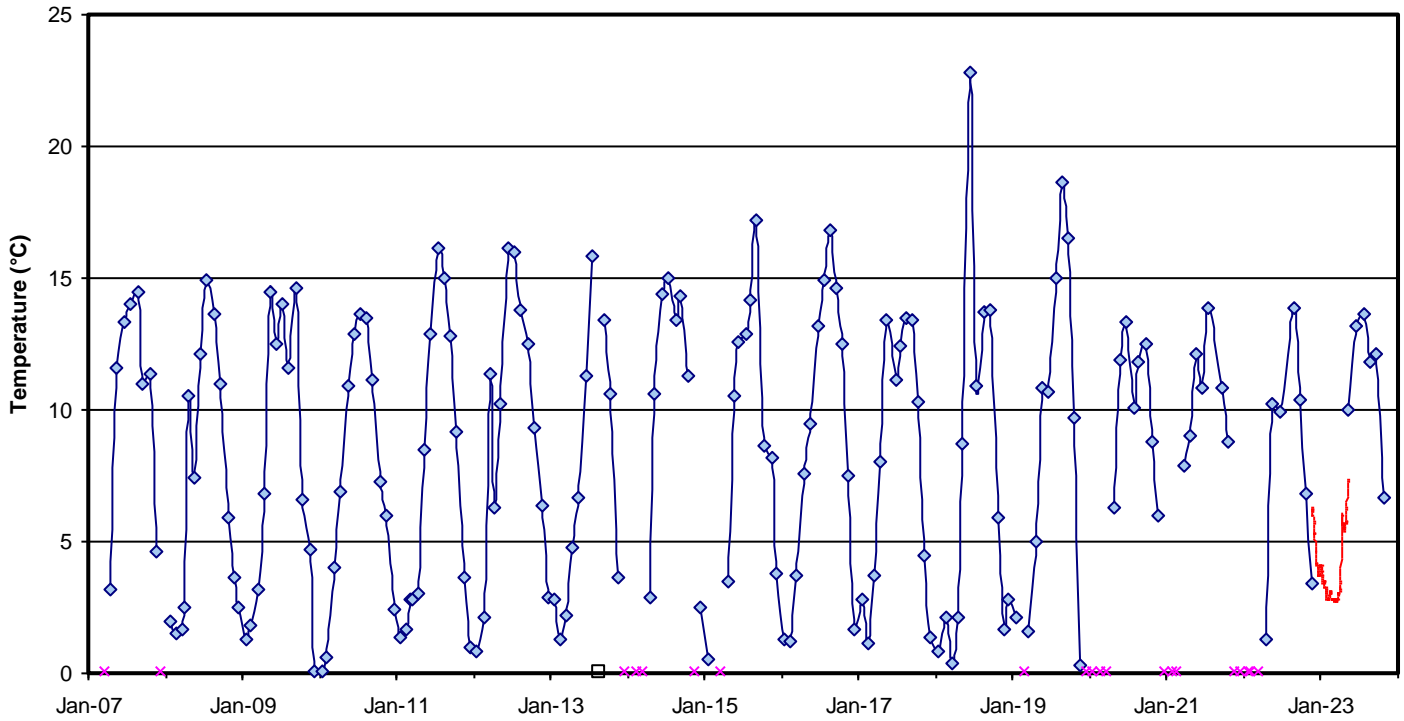


**Figure C-39 Surface Water Temperature and Flow**  
**SW22A - Escarpment Seep on Sampson Property to Batteaux Creek**

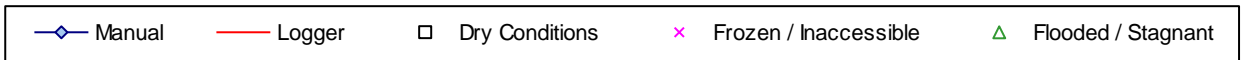
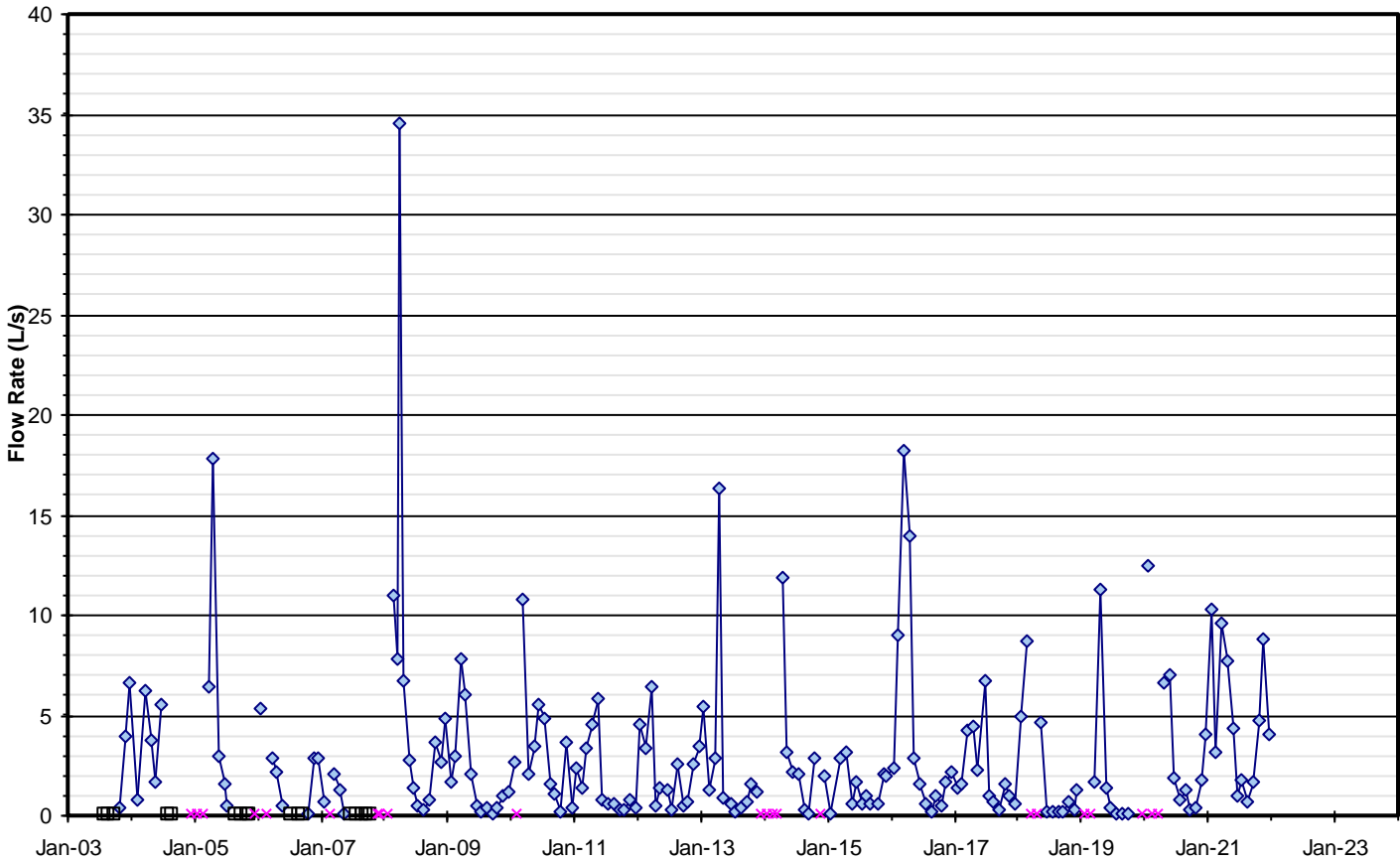
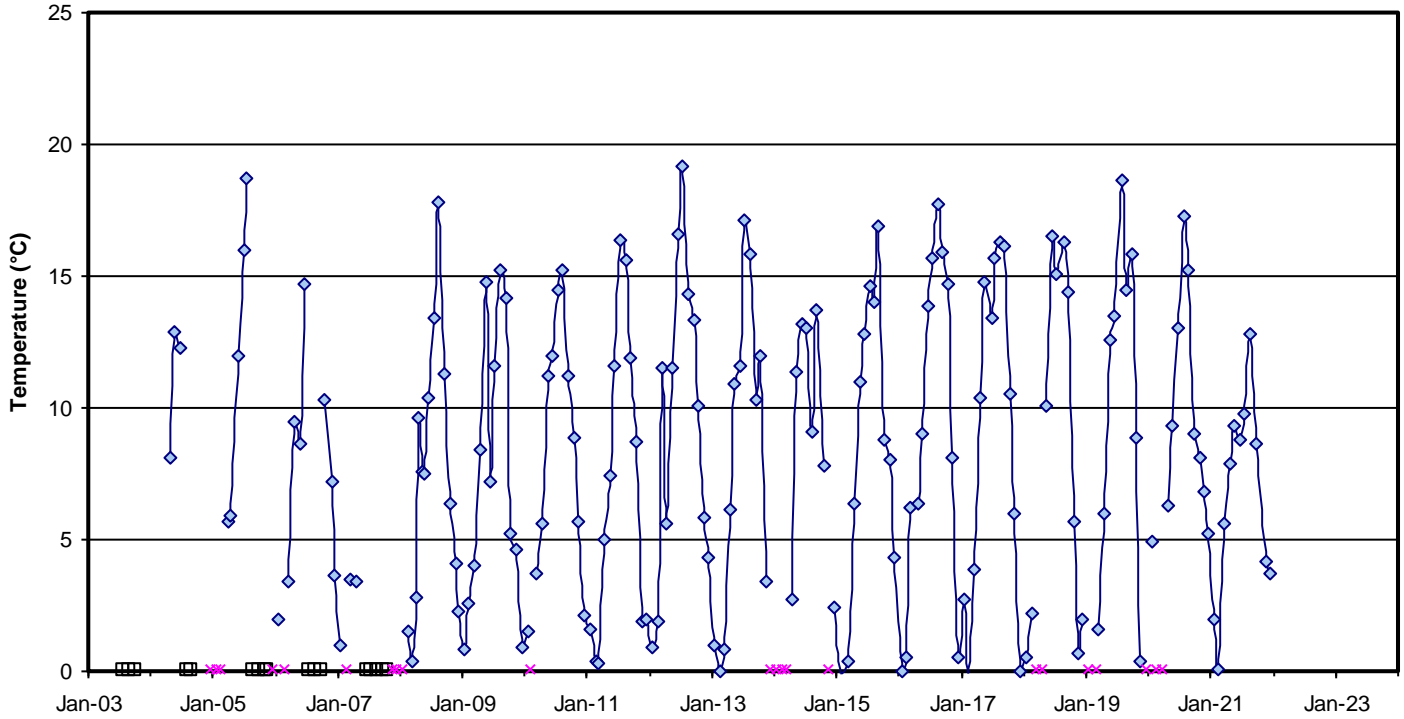




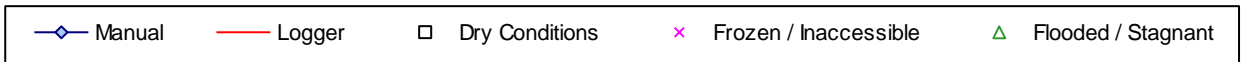
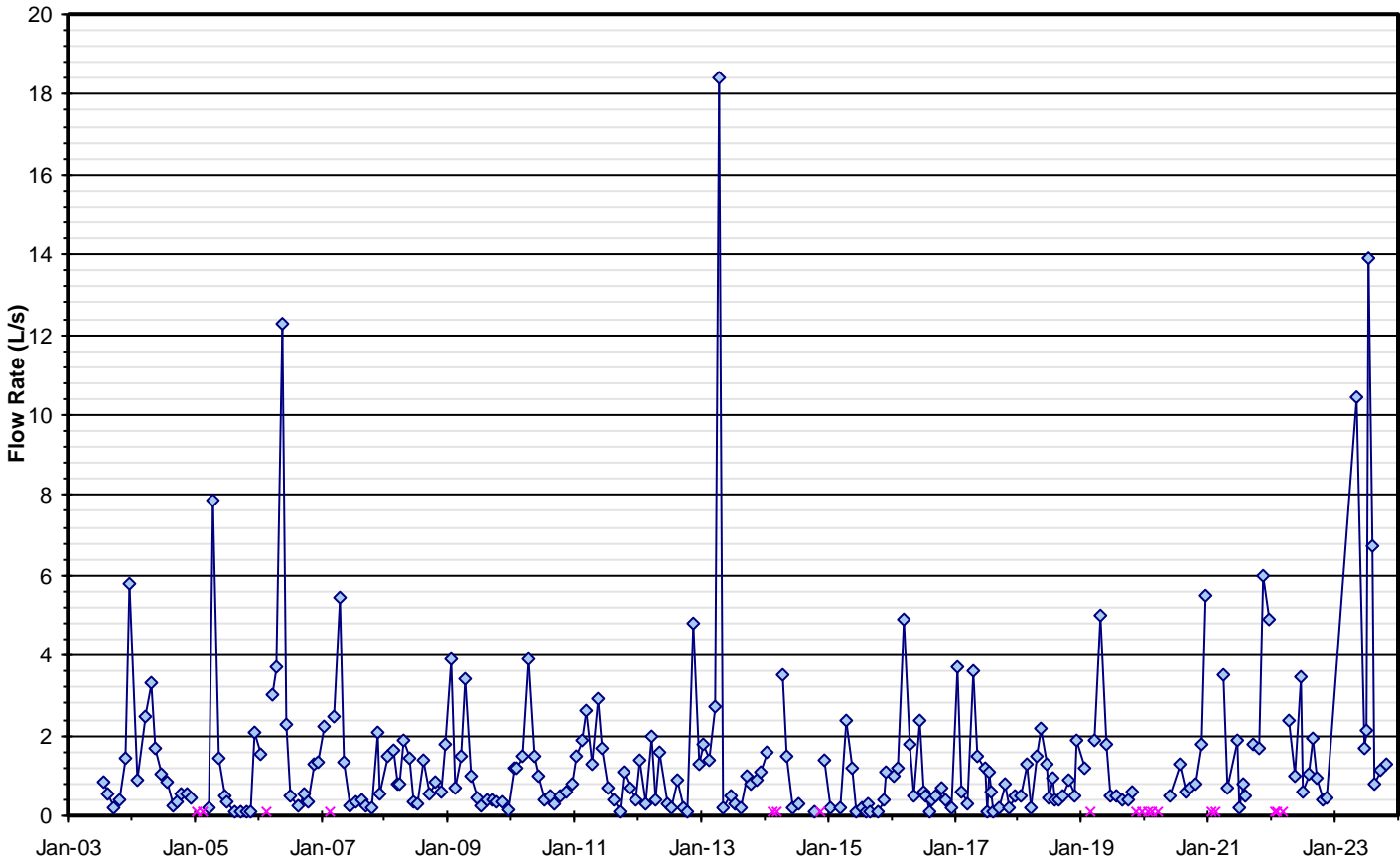
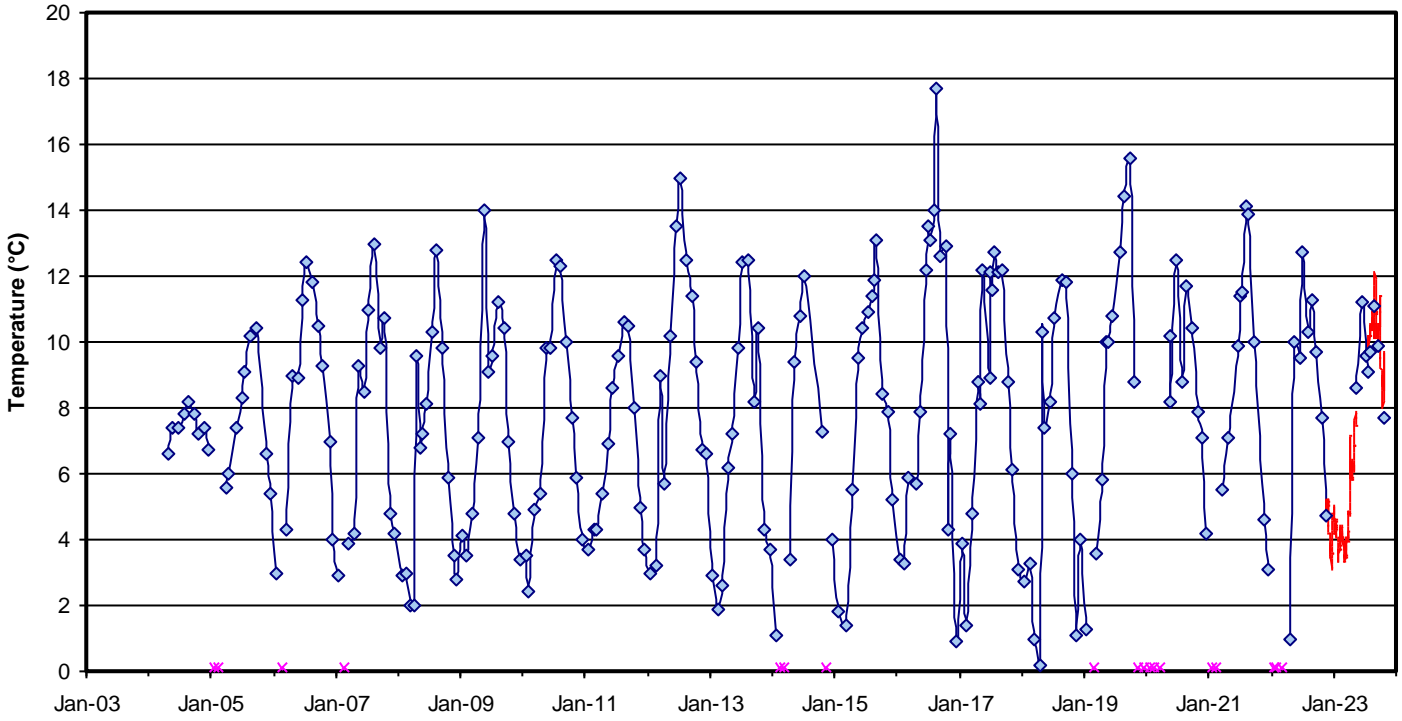
**Figure C-40 Surface Water Temperature and Flow**  
**SW22C - Escarpment Seep on Sampson Property to Batteaux Creek**



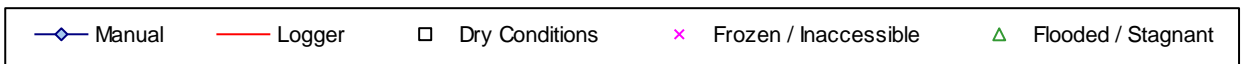
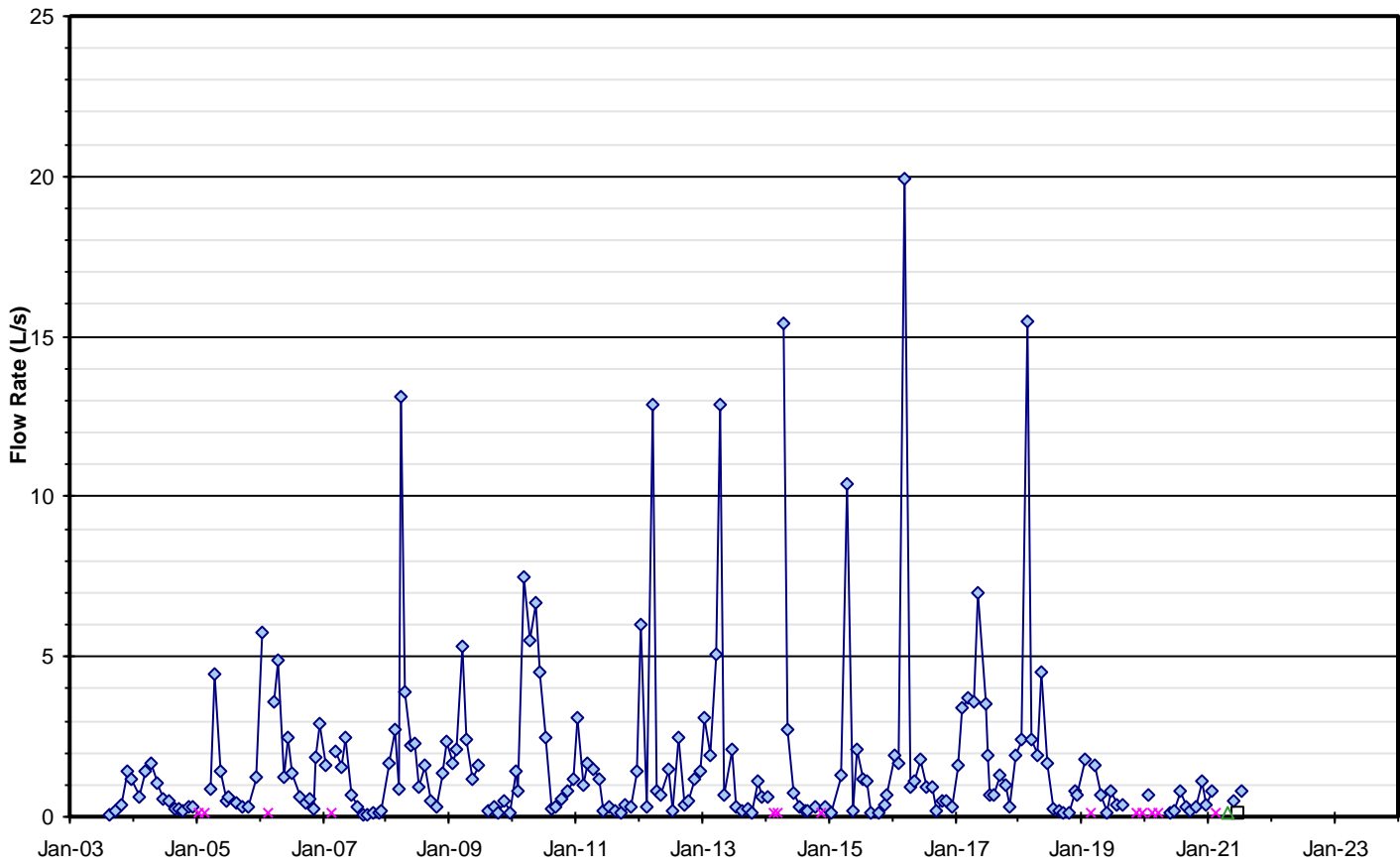
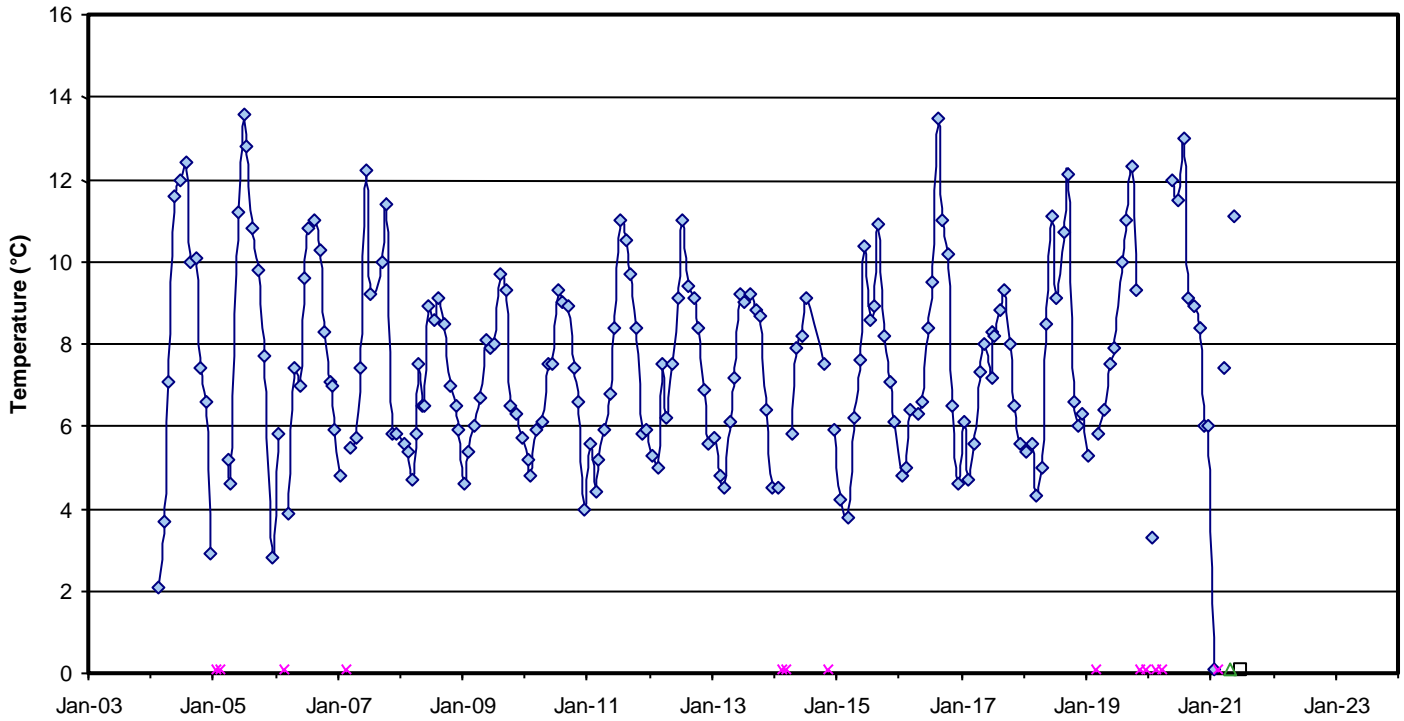
**Figure C-41 Surface Water Temperature and Flow**  
**SW24 - Sestito Pond Inlet from Franks Property**



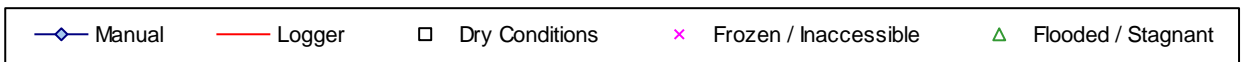
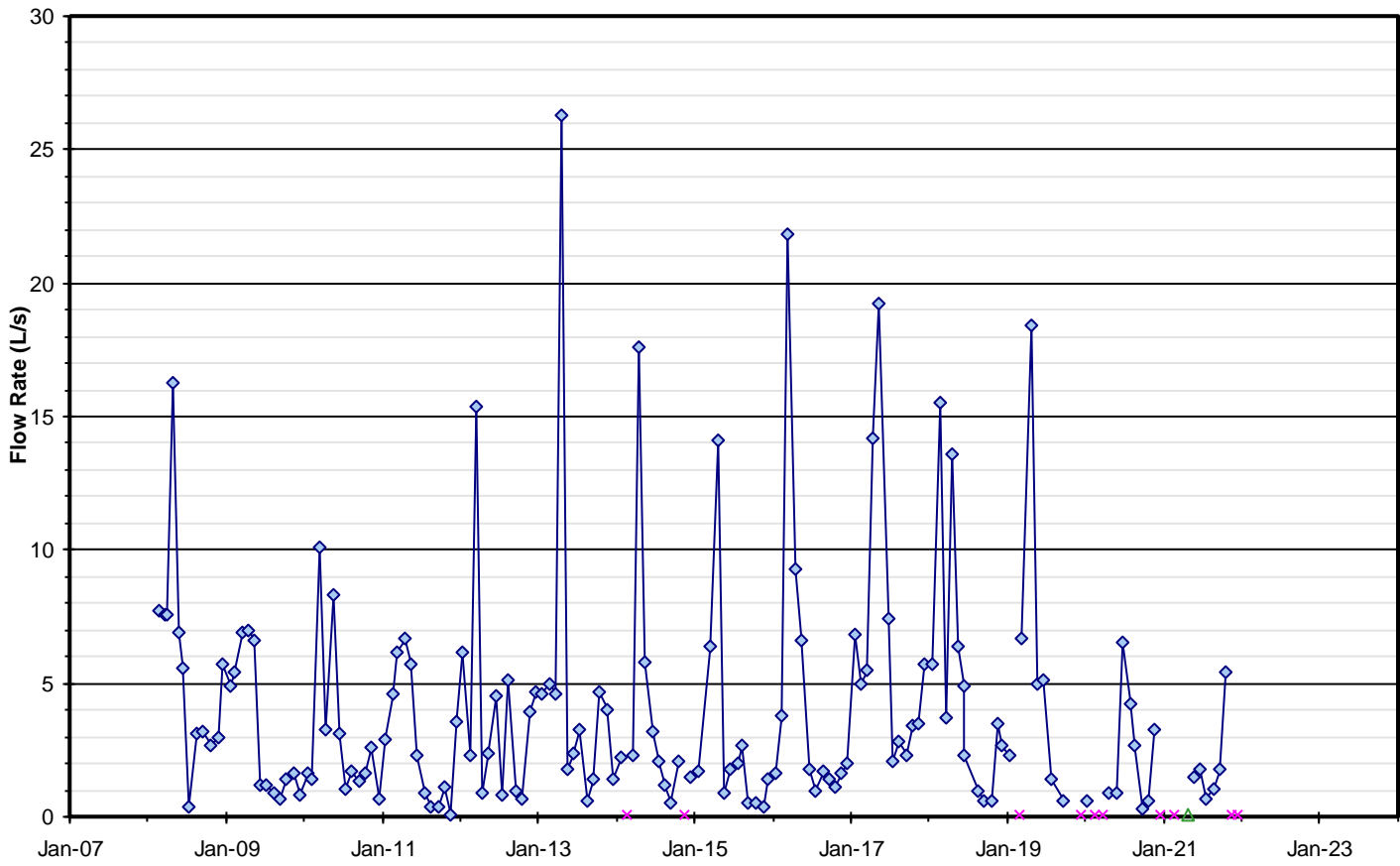
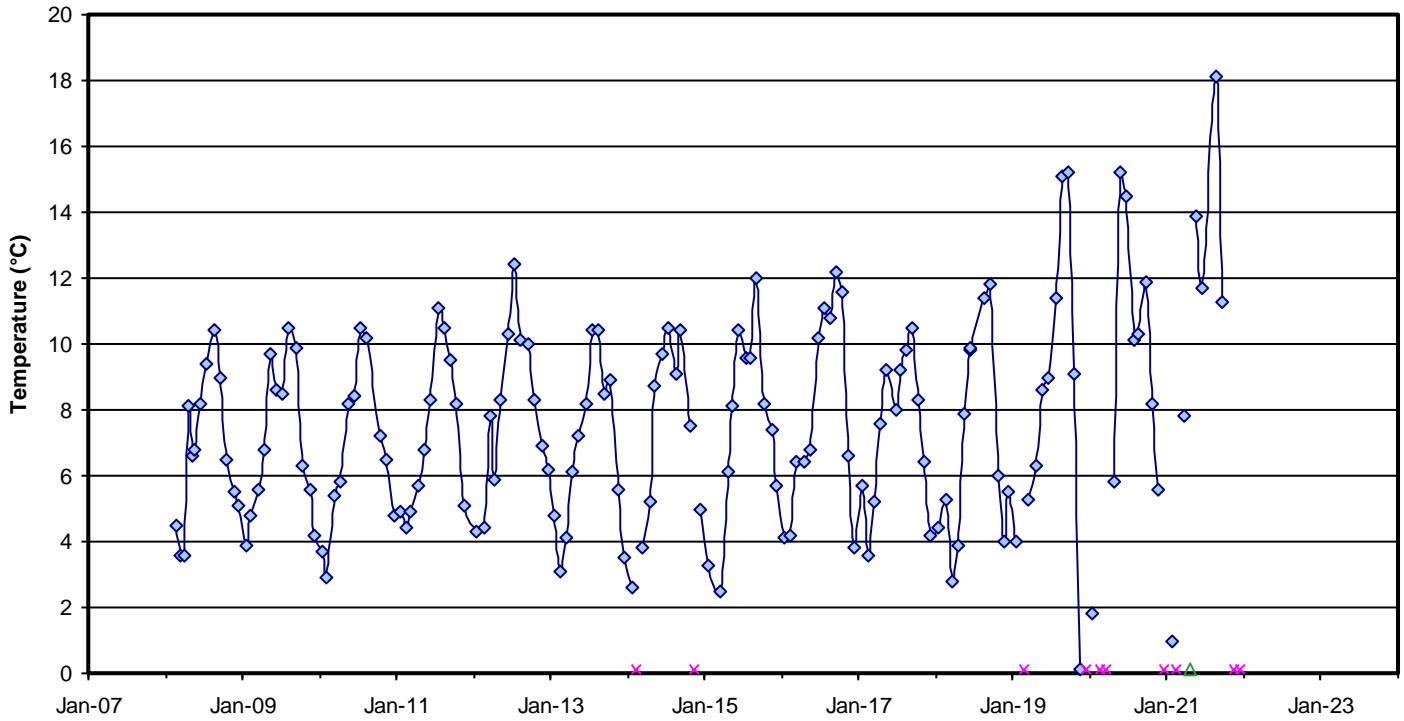
**Figure C-42 Surface Water Temperature and Flow**  
**SW24A - Escarpment Seep on Sestito Property**



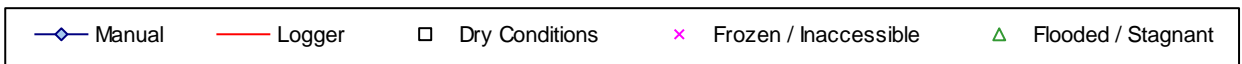
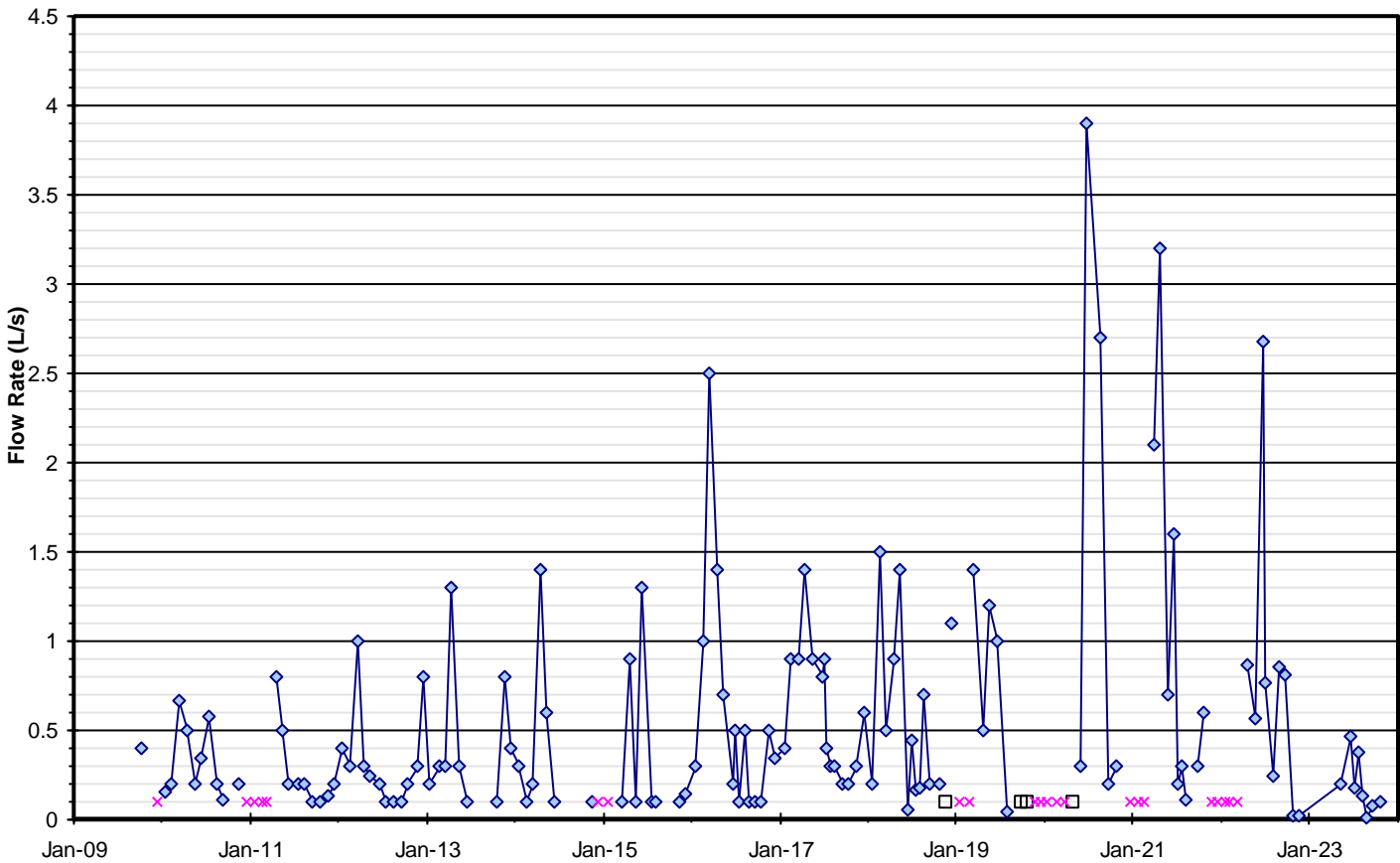
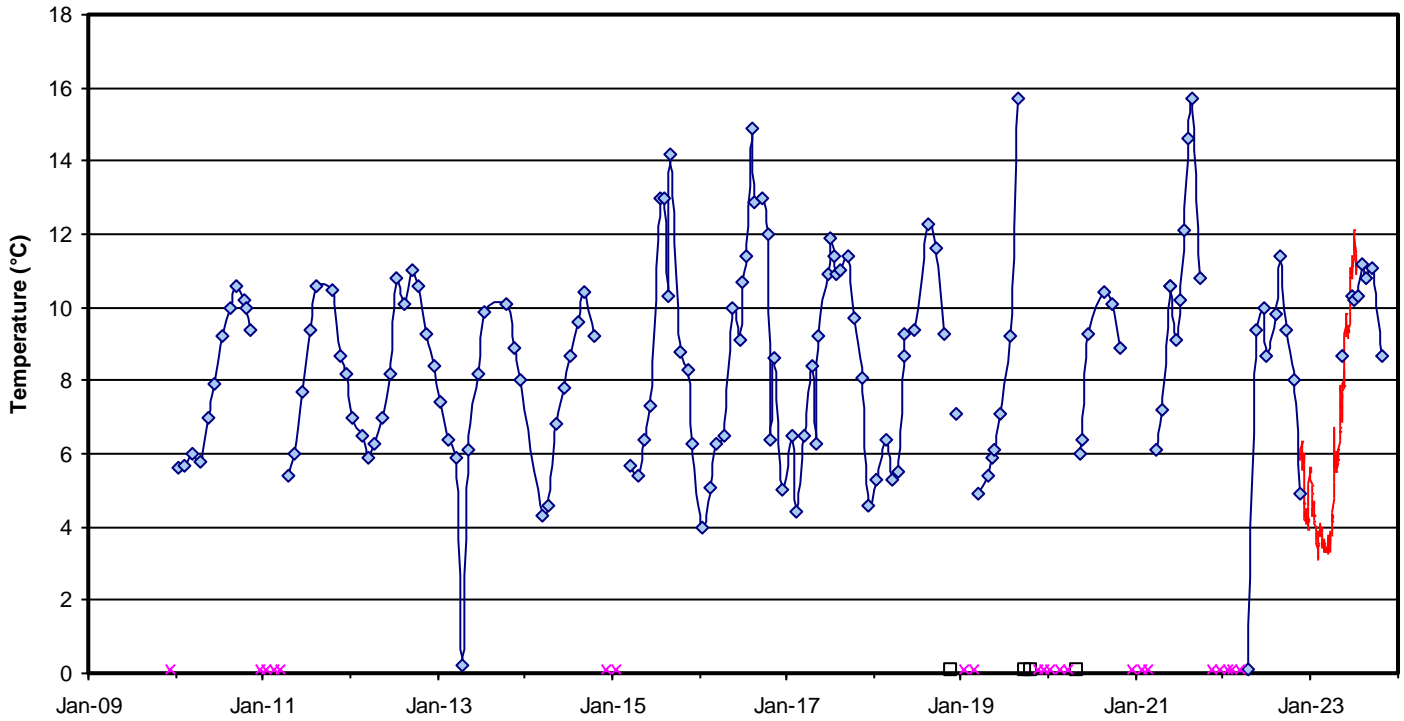
**Figure C-43 Surface Water Temperature and Flow**  
**SW24B - Escarpment Seep Inlet to Sestito Pond**



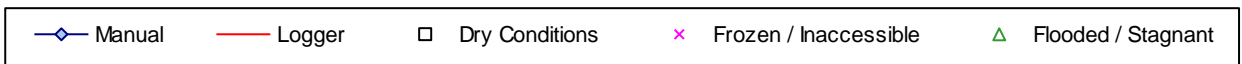
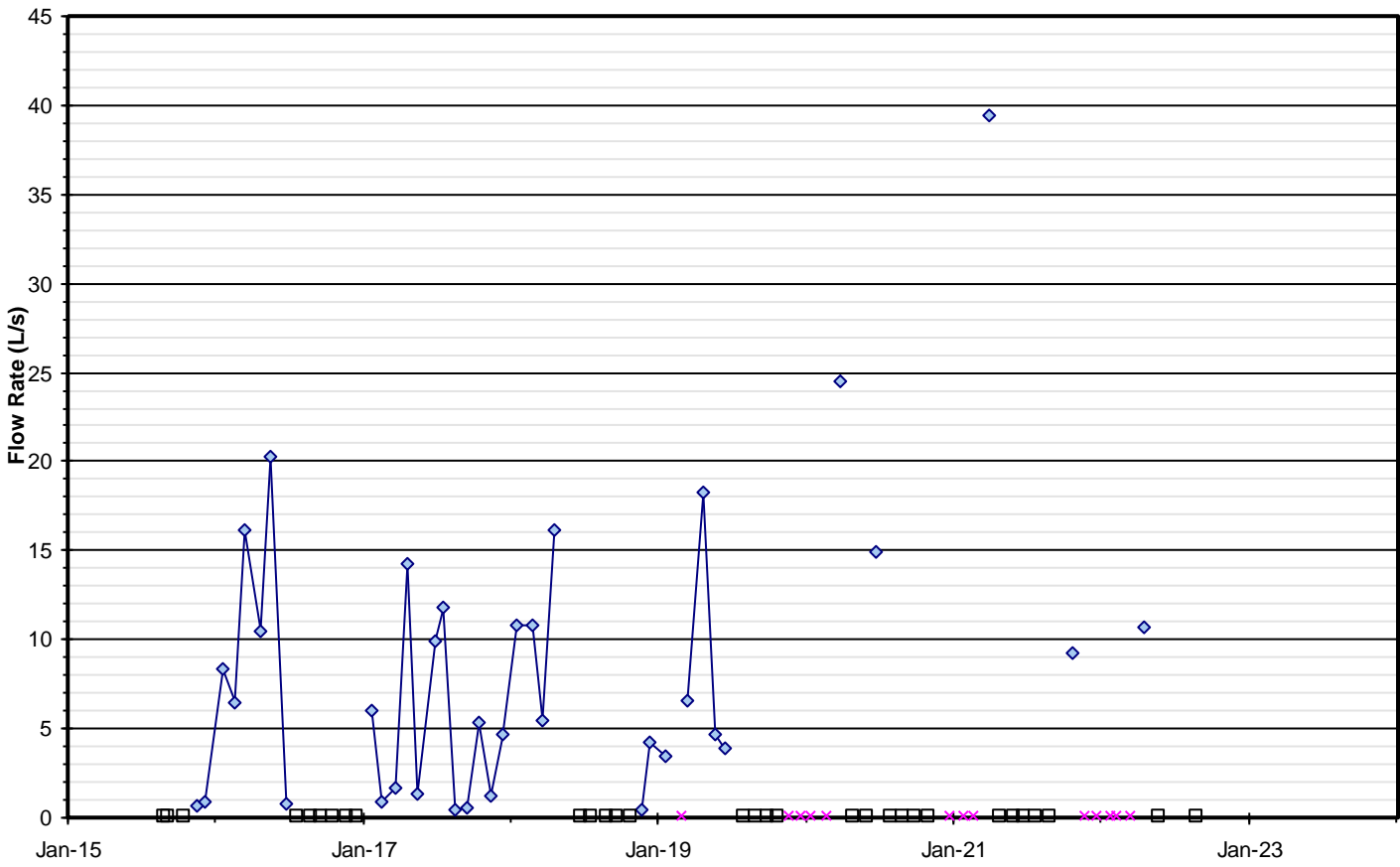
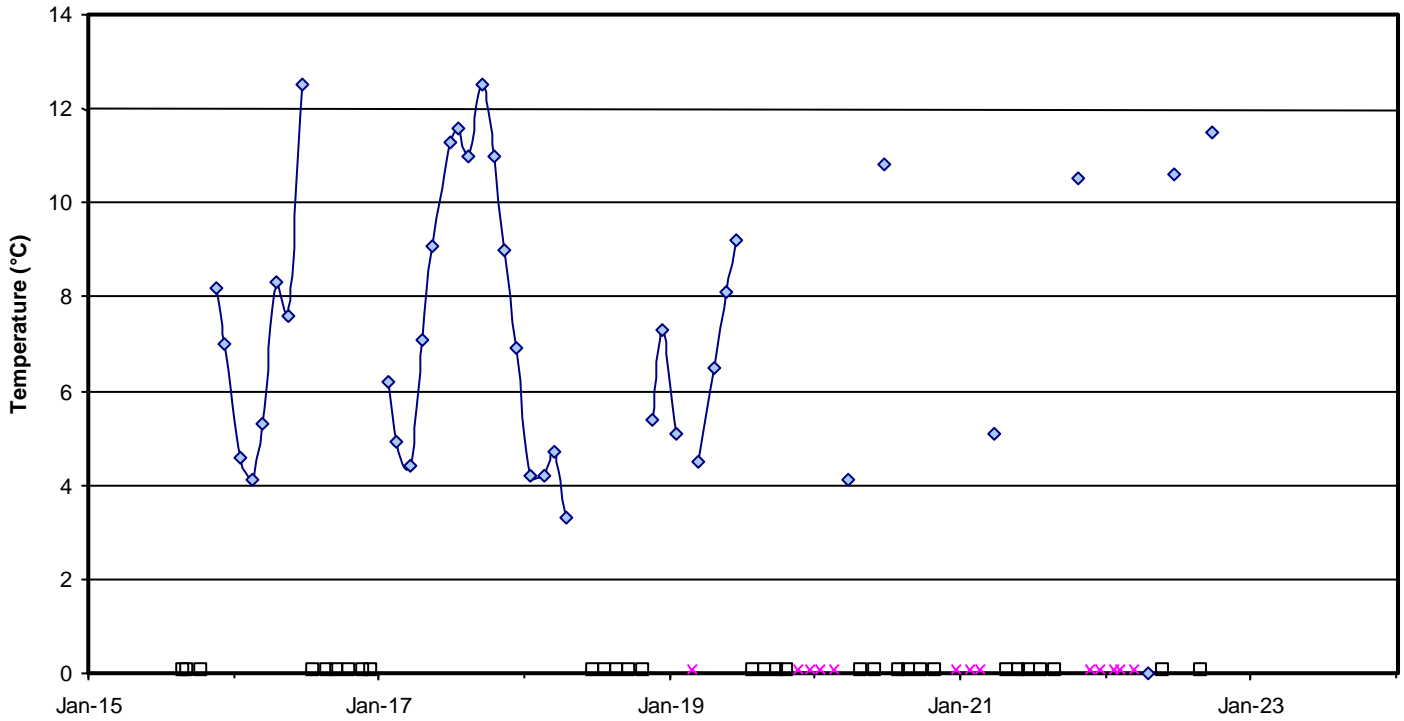
**Figure C-44 Surface Water Temperature and Flow**  
**SW24C - Upstream of Sestito Pond Inlet**



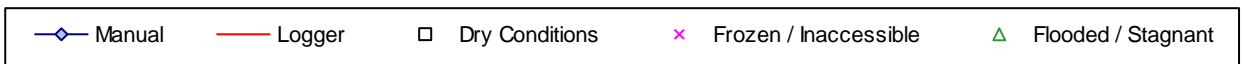
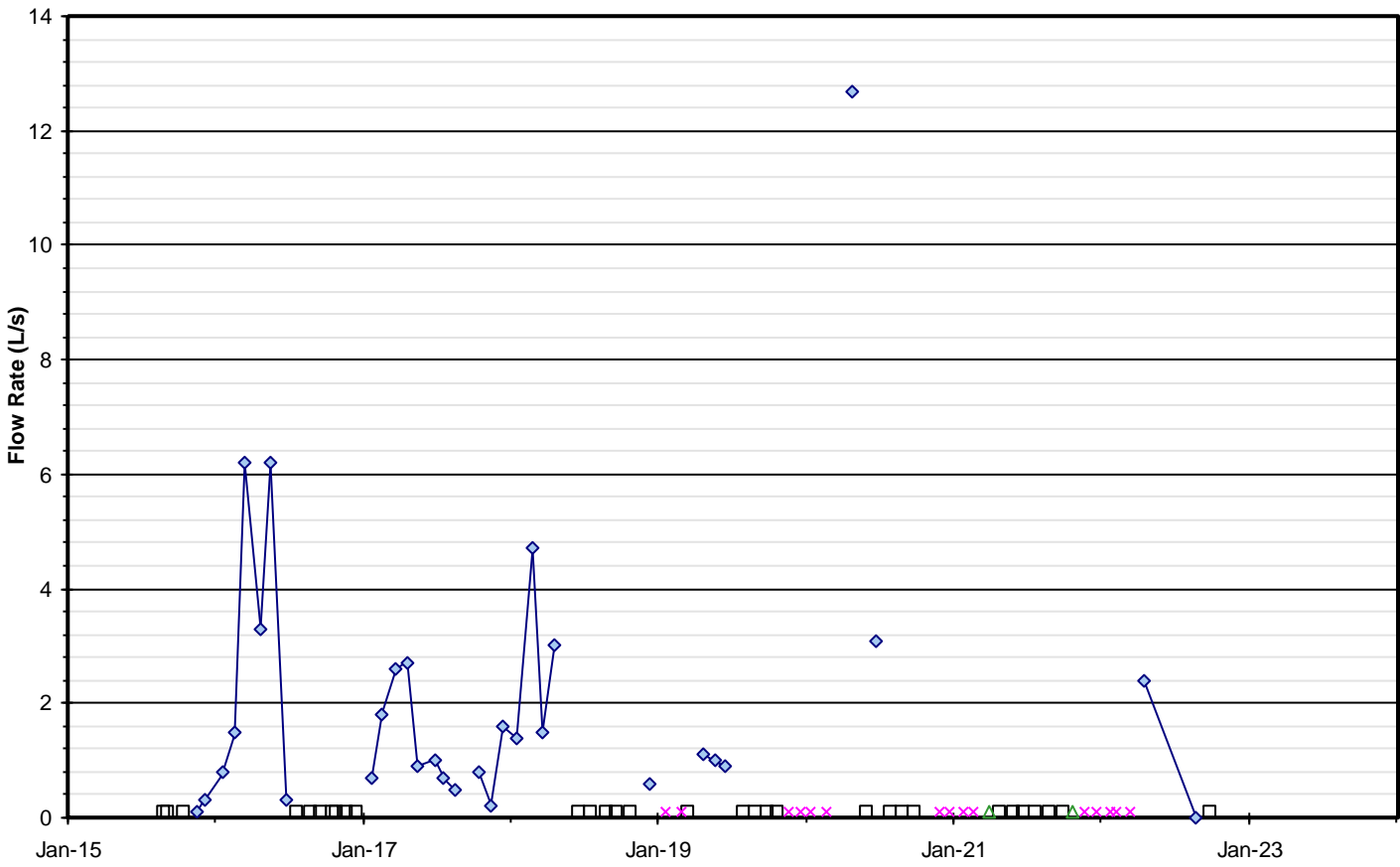
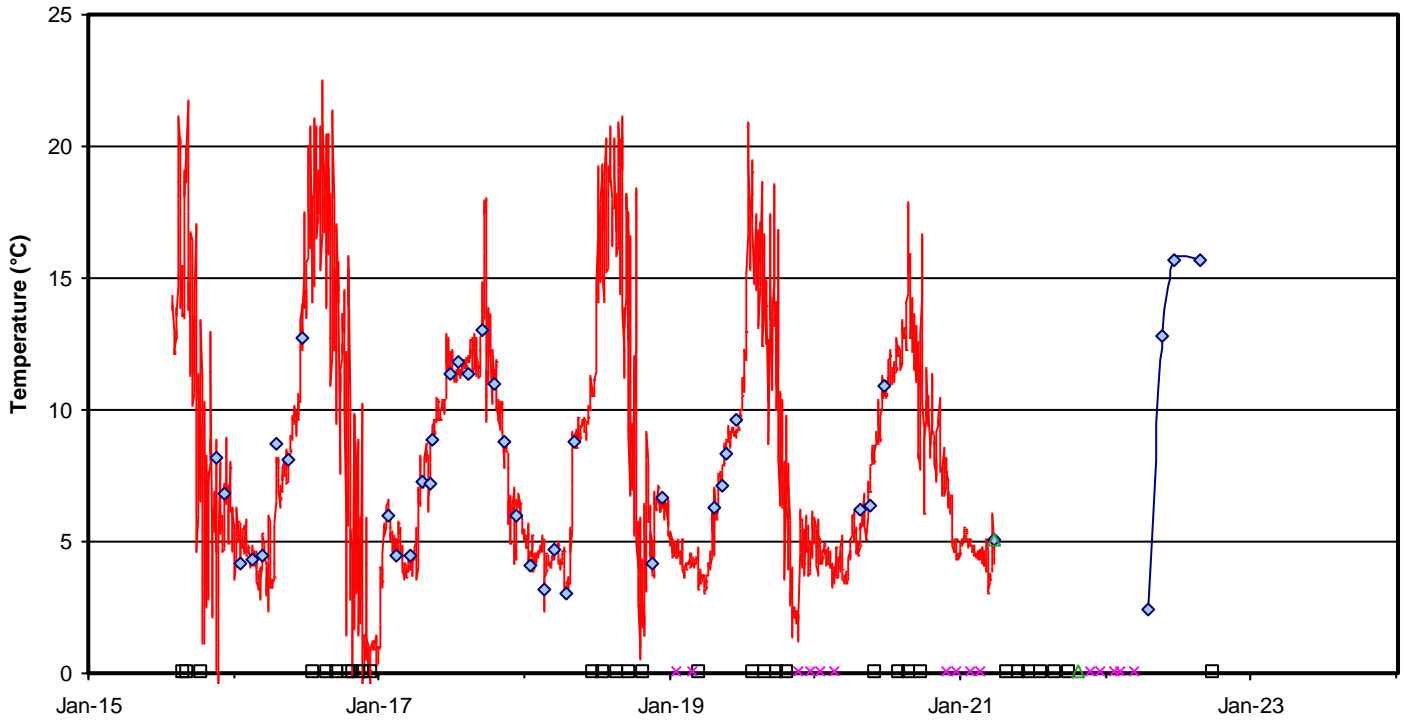
**Figure C-45 Surface Water Temperature and Flow**  
**SW77 - Escarpment Seep to Pretty River**



**Figure C-46 Surface Water Temperature and Flow**  
**SW3C - Rob Roy Swamp 3 Pond Outflow**

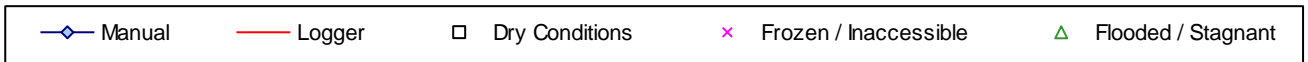
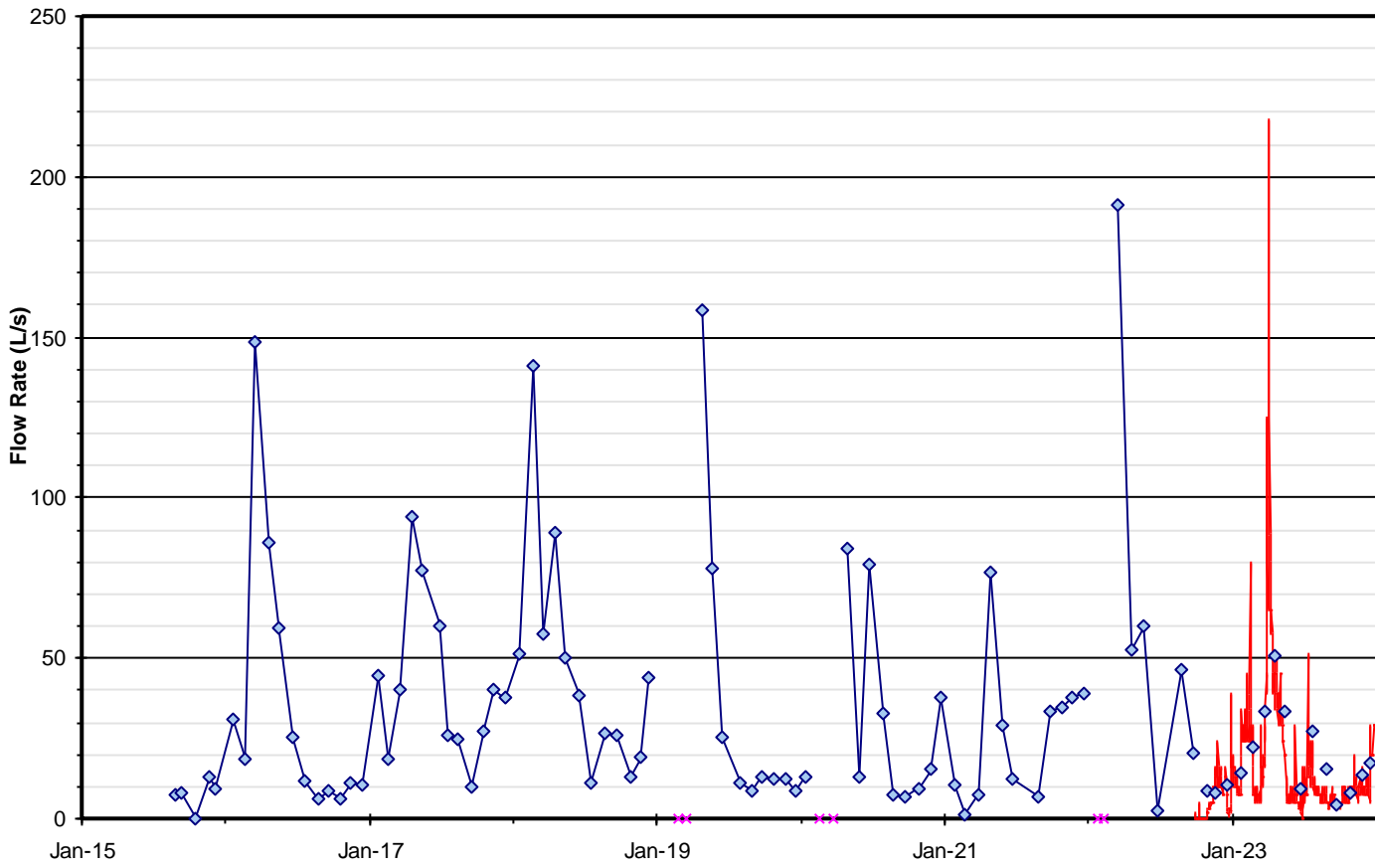
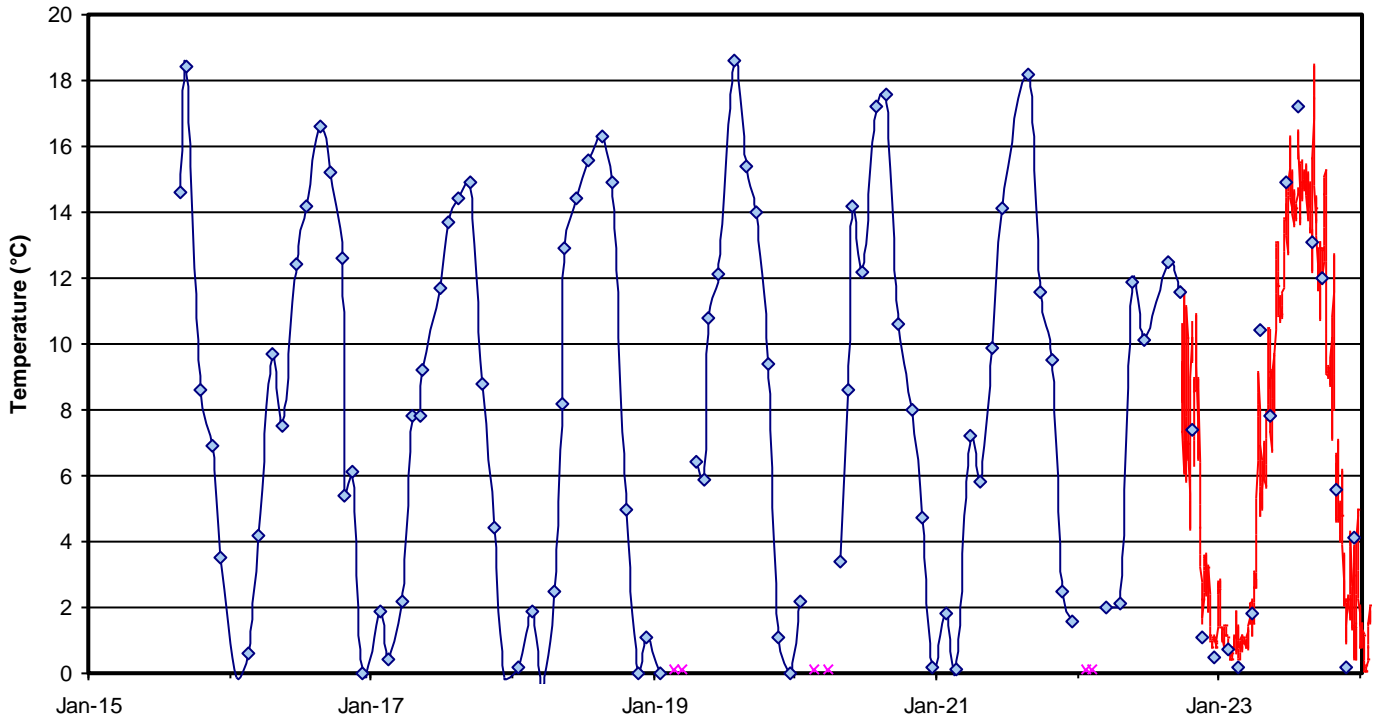


**Figure C-47 Surface Water Temperature and Flow**  
**SW3B - Rob Roy Swamp 3 Karst Sinkpoint Channel**

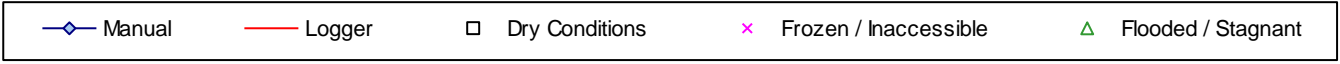
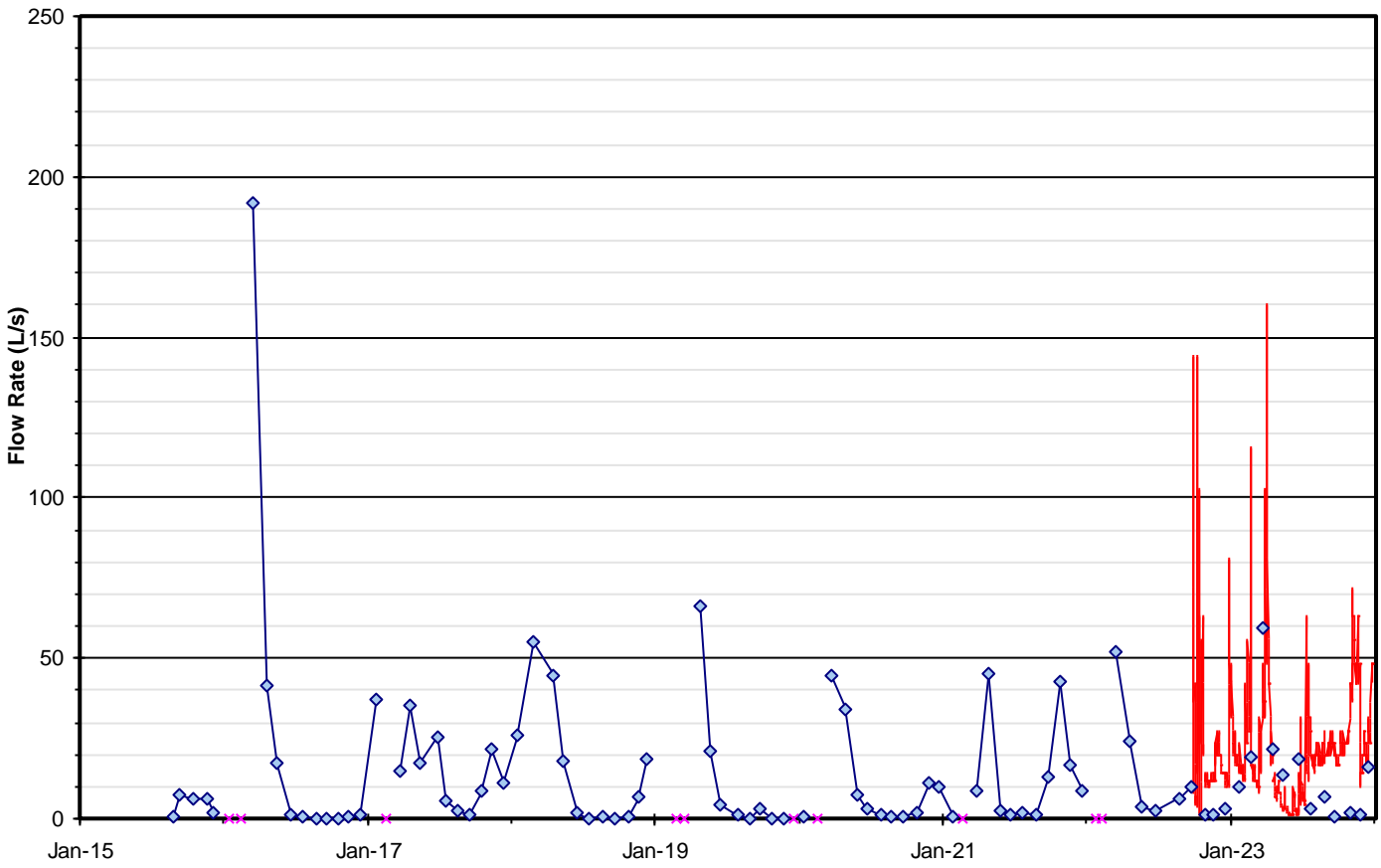
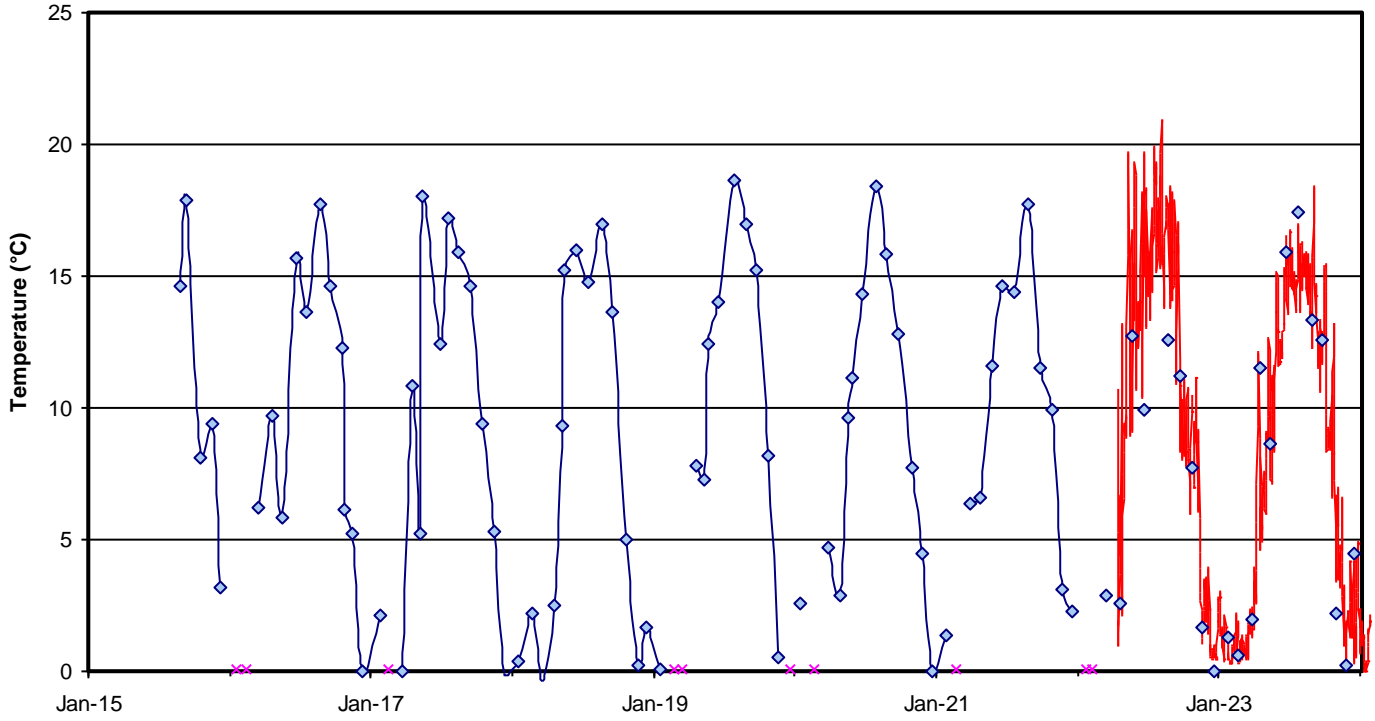





**Figure C-48 Surface Water Temperature and Flow**  
**Pretty River Control**



**Figure C-49 Surface Water Temperature and Flow**  
**Batteaux Creek Control**



Notation	Description
mg/L	milligrams per Litre • values in mg/L unless otherwise noted
pH	provided in Scientific Units
E C	Electrical Conductivity provided in microSiemens per centimetre
T	Temperature provided in degrees Celsius
D O	Dissolved Oxygen
Flow Rate	provided in L/s
µg/L	micrograms per Litre
VOC Results	provided in ug/L
<b>QA / QC</b>	
RDL	laboratory reported detection limit
RPD	relative percent difference, provided in % bold and shading indicates RPD greater than 20% or >2 RDL
<b>PWQO</b> Provincial Water Quality Objectives (MECP, 1994 and updates)	
<i>i</i>	interim PWQO
<i>nc</i>	no PWQO criteria
	shading indicates an exceedance of the PWQO criteria
<b>a</b>	<b>dissolved oxygen</b> is temperature dependent: value should not be less than the range of 4 mg/L (0 °C) to 7 mg/L (25 °C) for warm water biota
<b>b</b>	<b>turbidity</b> suspended matter should not be added to surface water in concentrations that will change the natural Secchi disc reading by more than 10%
<b>c</b>	<b>alkalinity</b> should not decrease by more than 25% of the natural concentration: calculated on an event specific basis from background station SW1 when sampled
<b>d</b>	<b>un-ionized ammonia</b> value calculated value using the fraction ( <i>f</i> ) of NH <sub>3</sub> from: $f = 1 \div (10^{pKa-pH} + 1)$ where: pKa = 0.09018 + 2729.92 ÷ T T = ambient water temperature in Kelvin (K) K = °C + 273.16 Field pH and temperature values and laboratory total ammonia results are used in the equation
<b>e</b>	<b>total phosphorus</b> does not have a firm objective: excessive plant growth in rivers and streams should be eliminated at a concentration below 0.03 mg/L
<b>f</b>	<b>oil &amp; grease</b> should not be present in concentrations that: can be detected as a visible film, sheen or discoloration on the surface can be detected by odour can cause tainting of edible aquatic organisms can form deposits on shorelines and bottom sediments that are detectable by sight or odour, or are deleterious to resident aquatic organisms

<b><i>Notation</i></b>	<b><i>Description</i></b>
(1)	Station dry / stagnant
(2)	Station frozen and / or snow covered
(3)	Station inaccessible
(4)	Flow measured <0.1 L/s
(5)	Station flooded
(6)	Anomalous data
(7)	No Data: Overgrown with Target (NDOGT)
blank	data not available
< value	parameter not detected above associated laboratory reported detection limit

**Table C-1 Surface Water Flow Summary - Main Quarry Stations**

Date	SW1	SW2	SW0-2	QFSW2
8-Jul-96	3.4			
6-Sep-96	47.0	1.4		
23-Dec-96	11.3	11.3		
26-Feb-97	91.2	55.2		
8-May-97	42.1	24.0		
26-Aug-97	7.0	3.6		
19-Dec-97	4.5	9.4		
27-Feb-98				
8-Apr-98	32.2	2.7		
10-Aug-98	(1)	1.7		
29-Dec-98				
24-Feb-99				
28-Apr-99	7.1	5.8	29.1	
26-May-99	15.0	4.0	19.5	
29-Jun-99	1.0	2.0		
26-Jul-99	(1)	0.5		
17-Aug-99	(1)	1.0		
27-Sep-99	(1)	0.4		
25-Oct-99	18.0	1.8		
21-Nov-99	25.0	6.0		
21-Dec-99				
25-Jan-00	(2)	14.3		
29-Feb-00	98.0	17.4		
31-Mar-00	41.0	8.0		
2-Jun-00	51.6	11.5		
8-Jun-00	35.0	8.9		
15-Jun-00	107.0	23.6		
22-Jun-00	93.6	15.8		
29-Jun-00	106.0	14.0		
7-Jul-00	57.0	12.0		
13-Jul-00	45.0	10.0		
20-Jul-00	54.0	13.0		
27-Jul-00	49.0	11.0		
3-Aug-00	58.8	17.0		
17-Aug-00	27.0	6.0		
24-Aug-00	29.0	5.0		
29-Aug-00	27.0	5.0		
7-Sep-00	23.0	5.0		
14-Sep-00	23.0	5.0		
21-Sep-00	13.0	1.0		
28-Sep-00	16.0	5.0		
5-Oct-00	25.0	9.0		
12-Oct-00	29.0	9.0		

**Table C-1 Surface Water Flow Summary - Main Quarry Stations**

Date	SW1	SW2	SW0-2	QFSW2
19-Oct-00	32.0	10.0		
26-Oct-00	24.0	6.0		
2-Nov-00	68.0	7.0		
9-Nov-00	40.0	8.0		
16-Nov-00	71.0	7.0		
18-Nov-00	46.1			
24-Nov-00	41.0	5.0		
30-Nov-00	45.7	13.2		
21-Dec-00	45.0			
16-Feb-01	35.0	11.9		
22-Feb-01	62.0	11.0		
1-Mar-01	99.0	11.1		
8-Mar-01	64.0	13.2		
15-Mar-01	72.0	12.5		
22-Mar-01	54.0	11.0		
29-Mar-01	53.0	9.0		
6-Apr-01	72.0	28.7		
12-Apr-01	152.0	35.0		
19-Apr-01	191.0	42.0		
26-Apr-01	110.0	19.0		
2-May-01	94.0	13.0		
10-May-01	76.0	8.0		
17-May-01	56.0	6.0		
24-May-01	74.0	6.0		
31-May-01	45.5	6.0		
7-Jun-01	47.0	5.0		
12-Jun-01	49.8	5.0		
21-Jun-01	(1)	3.9		
28-Jun-01	66.0	4.0		
5-Jul-01	30.0	11.0		
12-Jul-01	32.0	1.9		
19-Jul-01	16.0	2.0		
26-Jul-01	10.0	2.0		
30-Jul-01	13.0	2.0		
9-Aug-01	13.0	3.0		
16-Aug-01	14.0	1.0		
23-Aug-01	21.2	2.0		
30-Aug-01	35.3	1.5		
6-Sep-01	30.0	2.0		
13-Sep-01	46.0	2.0		
20-Sep-01	38.0	2.0		
27-Sep-01	35.8	2.2		
4-Oct-01	38.1	2.4		

**Table C-1 Surface Water Flow Summary - Main Quarry Stations**

Date	SW1	SW2	SW0-2	QFSW2
11-Oct-01	34.4	2.2	9.2	
18-Oct-01	51.7	10.2		
24-Oct-01	73.0	13.0		
1-Nov-01	93.0	12.0		
6-Nov-01	85.9	11.7		
15-Nov-01	97.6	10.4		
29-Nov-01	81.4	12.8		
6-Dec-01	73.9			
12-Dec-01	72.6			
4-Jan-02	70.0	8.0		
10-Jan-02	60.0	6.0		
16-Jan-02	57.5	7.0		
24-Jan-02	53.0	8.0		
31-Jan-02	55.0	6.0		
7-Feb-02	58.5	7.0		
14-Feb-02	51.0	7.0		
21-Feb-02	64.0	21.0		
28-Feb-02	71.5	14.0		
7-Mar-02	74.0	15.0		
14-Mar-02	94.5	35.0		
21-Mar-02	80.5	24.0		
28-Mar-02	78.0	14.0		
4-Apr-02	86.5	17.0		
12-Apr-02	104.0	42.0		
18-Apr-02	92.5	25.0		
25-Apr-02	86.0	15.0		
16-May-02	79.0	18.0		
23-May-02	62.5	15.0		
30-May-02	67.0	11.0		
6-Jun-02	46.0	7.5		
13-Jun-02	90.0	8.0		
20-Jun-02	45.0	5.0		
28-Jun-02	48.5	6.0		
4-Jul-02	(4)	2.0		
11-Jul-02	38.0	3.0		
18-Jul-02	1.0	2.0		
25-Jul-02	19.5	3.6		
1-Aug-02	36.6	2.1		
8-Aug-02	16.5	1.3	2.2	
15-Aug-02	36.1	10.0		
23-Aug-02	40.3			
30-Aug-02	21.7	3.7		
6-Sep-02	16.0	1.5		

**Table C-1 Surface Water Flow Summary - Main Quarry Stations**

Date	SW1	SW2	SW0-2	QFSW2
13-Sep-02	20.7	1.1		
19-Sep-02	1.0	1.0		
26-Sep-02	46.6	1.0		
3-Oct-02	56.4	1.0		
11-Oct-02	(1)	1.0		
17-Oct-02	(1)	1.0		
25-Oct-02	92.0	1.0		
1-Nov-02	62.2	1.0		
8-Nov-02	(4)	1.0		
15-Nov-02	66.2	1.0		
22-Nov-02	56.1	1.0		
28-Nov-02	54.0	1.6		
6-Dec-02	36.6	1.0		
12-Dec-02	31.4	1.0		
20-Dec-02	20.2	5.5		
3-Jan-03	29.5	2.5		
10-Jan-03	20.8	2.3		
16-Jan-03	22.8	(2)		
24-Jan-03	24.2	(2)		
31-Jan-03	22.0	(2)		
7-Feb-03	20.7	(2)		
14-Feb-03	19.6	(2)		
21-Feb-03	17.1	(2)		
28-Feb-03	18.5	(2)		
7-Mar-03	16.4	(2)		
14-Mar-03	17.8	(2)		
21-Mar-03	23.0	26.7		
28-Mar-03	134.9	38.3		
4-Apr-03	119.5	26.7		
9-Apr-03	61.0	12.6		
17-Apr-03	94.6	27.0		
25-Apr-03	60.4	13.2		
2-May-03	88.9	21.1		
9-May-03	96.7	7.9		
15-May-03	87.7	5.7		
22-May-03	11.9	5.0		
29-May-03	(1)	11.8		
9-Jun-03	19.3	8.3		
13-Jun-03	17.3	9.6		
23-Jun-03	89.6	5.8		
4-Jul-03	69.8	4.0		
11-Jul-03	54.2	3.4		
18-Jul-03	42.7	3.6		



**Table C-1 Surface Water Flow Summary - Main Quarry Stations**

Date	SW1	SW2	SW0-2	QFSW2
22-Jul-03	2.6	3.6		
24-Jul-03	4.5	2.8		
31-Jul-03	42.6	2.8		
8-Aug-03	3.6	4.3		
15-Aug-03	(1)	2.3		
20-Aug-03	(1)	2.6		
27-Aug-03	35.2	1.6		
5-Sep-03	(1)	2.3		
11-Sep-03	22.9	1.4		
18-Sep-03	13.5	0.8		
25-Sep-03	0.7	0.5		
2-Oct-03	33.1	0.8		
9-Oct-03	(1)	0.4		
17-Oct-03	58.3	1.7		
23-Oct-03	(4)	1.4		
31-Oct-03	49.5	3.2		
7-Nov-03	46.6	8.0		
17-Nov-03	67.8	11.1		
28-Nov-03	60.4	13.3		
19-Dec-03	55.8	12.5		
31-Dec-03	55.8	15.7		
12-Jan-04	106.1	16.8		
16-Jan-04	76.9	13.0		
20-Jan-04	68.8	9.8		
30-Jan-04	58.9	6.6		
6-Feb-04	49.2	5.4		
12-Feb-04	44.4	4.6		
24-Feb-04				62.3
27-Feb-04	39.9	3.9		
4-Mar-04	66.1	12.8		
12-Mar-04	101.7	24.2		
19-Mar-04	73.9	12.8		
26-Mar-04	136.1	58.8		114.7
2-Apr-04	117.1	58.1		82.2
8-Apr-04	104.8	30.1		(5)
16-Apr-04	86.7	19.9		(5)
23-Apr-04	91.3	13.5		153.2
30-Apr-04	62.4	10.5		210.2
7-May-04	88.9	11.9		
14-May-04	4.1	9.8		217.0
20-May-04	18.2	7.6		278.6
28-May-04	112.8	26.6		308.7
4-Jun-04	95.6	10.6		242.3

**Table C-1 Surface Water Flow Summary - Main Quarry Stations**

Date	SW1	SW2	SW0-2	QFSW2
11-Jun-04	9.8	6.9		172.2
17-Jun-04	84.6	6.9		179.5
23-Jun-04				125.1
24-Jun-04	(1)	5.9		
1-Jul-04	44.7	3.8	7.7	108.3
9-Jul-04	(1)	3.7	3.5	
16-Jul-04	58.3	4.2	60.8	293.0
22-Jul-04	45.3	3.3	20.6	213.8
29-Jul-04	76.7	3.2	24.0	133.5
6-Aug-04	(1)	1.8	13.3	159.1
12-Aug-04	(1)	2.7	4.3	155.5
19-Aug-04	26.8			
20-Aug-04	36.5	6.6	19.8	84.2
26-Aug-04	36.5	2.4	9.5	116.9
3-Sep-04	(1)	1.3	4.9	176.6
9-Sep-04		2.3	1.9	163.4
17-Sep-04	49.6	3.2	2.6	194.3
23-Sep-04	(1)			
26-Sep-04	(1)	2.1	9.5	126.7
1-Oct-04	(1)	(4)	6.6	128.9
7-Oct-04	(1)	(4)	0.1	86.9
14-Oct-04	(1)	3.2	1.2	77.1
20-Oct-04	(1)	0.9	31.3	122.7
24-Oct-04	42.4			
28-Oct-04	(1)	1.2	7.7	141.1
4-Nov-04	90.0	2.7	60.0	124.2
7-Nov-04	90.0			
11-Nov-04	(1)	1.7	42.4	78.0
19-Nov-04	(1)	1.8	10.2	97.6
25-Nov-04	(1)	0.4	(1)	88.8
2-Dec-04	(1)	0.3	23.3	87.8
9-Dec-04	(1)	3.9	23.8	71.9
17-Dec-04	0.6	(2)	19.2	57.6
29-Dec-04	44.1	(2)	(2)	(2)
5-Jan-05	59.4	10.7	108.9	
13-Jan-05	(1)	41.9	258.5	
20-Jan-05	79.2	18.1	(2)	
28-Jan-05	45.5	9.3	(2)	78.0
3-Feb-05	50.6	8.1	(2)	71.3
10-Feb-05	(1)	5.5	(2)	80.4
16-Feb-05	64.0	9.0	(2)	80.2
24-Feb-05	9.0	3.8	(2)	
3-Mar-05	3.3	5.7	(2)	59.5

**Table C-1 Surface Water Flow Summary - Main Quarry Stations**

Date	SW1	SW2	SW0-2	QFSW2
10-Mar-05	(1)	9.4	(2)	67.6
17-Mar-05	(4)	9.4	(2)	62.6
24-Mar-05	38.5	8.9	(2)	68.5
30-Mar-05	71.4	15.6	124.3	77.0
7-Apr-05	15.2	46.6	(5)	65.7
15-Apr-05	121.8	49.9	(5)	233.4
21-Apr-05	90.8	39.8	253.6	319.3
28-Apr-05	70.3			
29-Apr-05		43.1	348.6	323.8
6-May-05	60.1	19.4	116.2	268.9
13-May-05	21.7	11.3	73.4	272.0
20-May-05	21.2	8.7	68.5	356.3
27-May-05	44.4	7.4	90.8	268.7
3-Jun-05	23.5	5.8	62.2	258.3
10-Jun-05	(1)	4.6	8.5	273.4
17-Jun-05	11.0	5.1	53.8	283.9
24-Jun-05	1.1	3.7	4.9	313.2
30-Jun-05	9.3	3.8	3.6	346.8
7-Jul-05	4.6	3.1	10.6	244.5
15-Jul-05	25.0	2.7	(1)	238.6
21-Jul-05	16.2	1.8	(1)	226.1
28-Jul-05	(1)	1.7	(1)	251.2
2-Aug-05	(1)	1.7	(1)	256.0
12-Aug-05	(1)	1.4	(1)	309.1
19-Aug-05	(1)	1.4	(1)	373.3
24-Aug-05	(1)	0.6	(1)	263.0
1-Sep-05	(1)	0.8	(1)	201.0
9-Sep-05	(1)	0.8	(1)	436.8
16-Sep-05	(1)	0.6	(1)	258.7
23-Sep-05	(1)	0.3	(1)	317.2
30-Sep-05	(1)	1.0	(1)	371.9
7-Oct-05	(1)	0.9	(1)	280.3
14-Oct-05	(1)	0.8	0.1	357.7
21-Oct-05	(1)	0.5	1.9	256.0
28-Oct-05	(1)	0.6	10.1	
4-Nov-05	(1)	0.5	4.4	254.8
11-Nov-05	(1)	0.2	4.1	210.7
18-Nov-05	57.0	1.0	42.9	222.3
25-Nov-05	49.5	0.5		231.2
2-Dec-05	51.5	2.0	32.7	221.8
9-Dec-05	44.1	1.9	28.5	175.0
16-Dec-05	45.8	1.8		(5)
22-Dec-05	39.0	1.3	56.6	220.0

**Table C-1 Surface Water Flow Summary - Main Quarry Stations**

Date	SW1	SW2	SW0-2	QFSW2
30-Dec-05	55.4	2.5		
6-Jan-06	40.7	5.9		207.8
13-Jan-06	(1)	10.0		202.1
20-Jan-06	44.7	11.6	85.5	194.5
27-Jan-06	53.1	11.0	78.8	210.5
3-Feb-06	53.5	16.7	154.3	179.6
10-Feb-06	52.8	11.4	94.6	194.5
20-Feb-06	51.9	10.2	(2)	191.9
24-Feb-06	50.4	9.7	(2)	153.2
3-Mar-06	55.3	7.9	(2)	177.4
10-Mar-06	58.7	35.6	134.3	229.0
17-Mar-06	92.4	41.8		
20-Mar-06				208.2
24-Mar-06	74.4	21.4		215.0
31-Mar-06	79.7	24.7		266.8
7-Apr-06	162.9	35.1		(5)
10-Apr-06	111.0	29.3		
13-Apr-06	55.1	35.1		274.4
21-Apr-06	59.8	15.5		190.8
26-Apr-06	60.2	15.4		225.8
5-May-06	64.1	11.9		202.0
12-May-06	57.7	8.7		253.8
19-May-06	48.5	9.3		219.6
25-May-06	43.0	4.7		197.5
2-Jun-06	35.4	5.3		192.3
9-Jun-06	48.5	5.1		194.4
16-Jun-06	6.1	3.9		
19-Jun-06				120.1
23-Jun-06		3.6	12.9	236.8
30-Jun-06	(1)	3.7		251.6
7-Jul-06		1.5		225.1
10-Jul-06	1.0			
14-Jul-06	(1)	1.3		249.6
21-Jul-06	(1)	1.7		226.0
28-Jul-06	(1)	2.5	7.2	214.4
4-Aug-06	32.8	5.1	10.8	245.0
11-Aug-06	(1)	0.3	2.7	232.7
18-Aug-06	(1)	0.9	4.4	197.2
25-Aug-06	4.4	(4)		197.9
1-Sep-06	13.8	(4)		204.3
8-Sep-06	2.2	(4)		192.7
15-Sep-06	33.8	(4)		185.7
21-Sep-06	2.0	0.4		191.6

**Table C-1 Surface Water Flow Summary - Main Quarry Stations**

Date	SW1	SW2	SW0-2	QFSW2
28-Sep-06	15.6	0.8		212.0
6-Oct-06		0.7		170.4
13-Oct-06		0.1		189.7
20-Oct-06	48.2	0.5		209.0
26-Oct-06		2.6		213.1
28-Oct-06				205.9
3-Nov-06	95.4	5.7		153.9
10-Nov-06	77.8	9.4		186.3
17-Nov-06	26.4	17.8		167.8
24-Nov-06	51.5	12.7	47.2	196.5
4-Dec-06	92.9	13.1	80.3	(5)
8-Dec-06	70.2	11.5	(2)	128.8
14-Dec-06				
21-Dec-06				
28-Dec-06	54.9	10.2	86.8	141.1
5-Jan-07	60.1	11.1	88.1	164.8
12-Jan-07	56.1	10.8	48.2	150.0
19-Jan-07	58.8	9.3	(2)	136.9
26-Jan-07	4.9	7.4	(2)	125.7
2-Feb-07	63.4	7.4	(2)	122.2
9-Feb-07	63.6	5.1	(2)	102.9
16-Feb-07	60.0	4.8	(2)	94.3
22-Feb-07	58.4	3.5	(2)	114.8
2-Mar-07	60.8	4.2	(2)	134.7
9-Mar-07	32.4	4.3	(2)	105.4
16-Mar-07	105.0	27.6	166.4	(5)
23-Mar-07	53.6	38.8	143.4	109.8
30-Mar-07	106.9	41.1	184.9	(5)
5-Apr-07	108.9	35.0	238.5	(5)
13-Apr-07	74.5	16.8	133.9	223.9
20-Apr-07	95.2	14.0	88.6	172.0
28-Apr-07	7.4	11.6	92.0	214.0
4-May-07	80.5	8.1	102.0	111.5
11-May-07	43.3	7.0	84.6	165.5
18-May-07	74.8	6.4	61.4	141.8
25-May-07	61.2	4.2	77.7	138.9
1-Jun-07	(4)	4.8	29.0	100.5
8-Jun-07	58.1	3.6	39.3	90.4
14-Jun-07	47.9	3.1	8.6	103.2
22-Jun-07	(1)	1.8	(1)	121.0
29-Jun-07	17.0	1.6	4.5	147.4
6-Jul-07	20.5	3.8	10.5	150.0
13-Jul-07	(1)	5.2	5.2	97.0

**Table C-1 Surface Water Flow Summary - Main Quarry Stations**

Date	SW1	SW2	SW0-2	QFSW2
20-Jul-07	0.1	1.7	12.7	140.9
27-Jul-07	1.6	1.4	(1)	148.6
3-Aug-07	(1)	0.6	(1)	141.8
10-Aug-07	0.1	0.6	(1)	93.0
17-Aug-07	10.1	0.6	(1)	147.7
24-Aug-07	(4)	1.1	3.8	157.2
30-Aug-07	7.6	0.6	4.0	100.3
7-Sep-07	21.1	1.1	8.9	71.6
14-Sep-07	1.2	0.7	18.6	65.4
21-Sep-07	10.7	0.2	19.2	86.9
28-Sep-07	9.8	(4)	18.7	84.1
5-Oct-07	27.4	(4)	17.5	78.3
12-Oct-07	(1)	0.1	12.9	76.4
19-Oct-07	10.4	(4)	7.4	169.1
26-Oct-07	0.9	(4)	24.5	99.0
2-Nov-07	27.2	(4)	123.3	118.2
9-Nov-07	47.1	1.8	62.7	118.9
16-Nov-07	45.3	(4)	45.6	122.8
23-Nov-07	35.6	0.7	(2)	172.8
30-Nov-07	36.1		(2)	139.6
7-Dec-07	48.9	0.7	(2)	128.2
14-Dec-07	19.3	4.2		117.3
20-Dec-07	18.2	(2)	(2)	138.3
28-Dec-07	56.5	5.7	(2)	
4-Jan-08	31.1	7.0	(2)	165.0
11-Jan-08	38.4	81.9	194.5	284.3
18-Jan-08	41.5	30.9	(2)	593.7
25-Jan-08	57.3	26.2	(2)	172.2
1-Feb-08	57.6	8.9	(2)	180.9
8-Feb-08	48.0	25.8	(2)	160.4
15-Feb-08	41.5	11.0	(2)	135.9
22-Feb-08	63.4	10.8	(2)	153.8
29-Feb-08	55.9	16.8	(2)	131.6
7-Mar-08	61.3	12.0	(2)	151.7
14-Mar-08	53.1	14.8	(2)	146.3
20-Mar-08	58.5	2.8	(2)	161.9
28-Mar-08	63.5	5.1	(2)	132.9
4-Apr-08	86.5	41.8	125.8	
11-Apr-08	145.7	93.3	295.2	
15-Apr-08	91.8	50.0		
18-Apr-08	88.1	66.2	265.7	
25-Apr-08	74.1	18.5	77.7	183.3
2-May-08	92.0	22.0	138.4	177.6

**Table C-1 Surface Water Flow Summary - Main Quarry Stations**

Date	SW1	SW2	SW0-2	QFSW2
8-May-08	74.4	12.8	103.9	184.5
15-May-08	75.6	11.6	181.9	82.1
23-May-08	59.5	12.6	66.7	184.1
30-May-08	64.9	51.1	16.1	104.3
6-Jun-08	67.2	32.6	93.8	165.4
13-Jun-08	12.7	8.3	36.7	277.3
20-Jun-08	(1)	6.5	36.5	169.0
27-Jun-08	42.5	5.0	55.4	95.0
4-Jul-08	(1)	2.2	9.8	256.1
11-Jul-08	(1)	3.3	1.7	153.7
18-Jul-08	30.7	3.9	10.8	291.4
25-Jul-08	41.7	1.2	30.6	156.9
1-Aug-08	3.0	1.8	15.9	97.2
8-Aug-08	(1)	15.3	57.4	287.6
15-Aug-08	8.9	4.0	28.8	184.1
22-Aug-08	(1)	7.1	61.5	166.6
28-Aug-08	21.2	5.1	10.8	159.1
5-Sep-08		9.3	5.1	259.7
12-Sep-08	4.2	2.9	27.5	149.3
19-Sep-08	(1)	2.3	35.9	236.1
26-Sep-08	7.2	0.6	19.6	168.1
3-Oct-08	48.2	13.3	67.2	185.5
10-Oct-08	46.5	17.9	29.5	396.5
17-Oct-08	45.2	15.5	27.1	188.4
24-Oct-08	1.7	18.9	17.7	162.3
31-Oct-08	30.7	6.9	51.0	184.8
2-Nov-08				
7-Nov-08	34.8	6.2	48.8	347.1
9-Nov-08				
13-Nov-08	34.8			
14-Nov-08		13.2	85.5	204.8
16-Nov-08				
21-Nov-08	12.0	(2)	(2)	
23-Nov-08				
28-Nov-08	14.2	(2)	(2)	121.8
30-Nov-08	5.1	(2)	(2)	(2)
7-Dec-08	30.4	10.6	(2)	154.9
12-Dec-08				
19-Dec-08	26.8		(2)	
23-Dec-08	70.1	13.1	(2)	151.5
29-Dec-08	103.2	69.3	(2)	
9-Jan-09	40.2	0.8	(2)	(5)
16-Jan-09	16.5	9.2	(2)	193.2

**Table C-1 Surface Water Flow Summary - Main Quarry Stations**

Date	SW1	SW2	SW0-2	QFSW2
23-Jan-09	0.9	11.0	(2)	156.6
30-Jan-09	63.4	5.8	(2)	
6-Feb-09	(4)	5.1	(2)	77.5
13-Feb-09	53.7	35.0	(2)	(5)
20-Feb-09	67.1	14.6	(2)	121.7
27-Feb-09	4.8	13.8	(2)	128.6
6-Mar-09	0.6	13.0	(2)	189.6
13-Mar-09	21.0	31.2	(2)	179.6
20-Mar-09	55.3	26.3	88.0	142.3
27-Mar-09	40.5	19.2	104.3	139.1
3-Apr-09	109.6	28.3	166.7	226.5
9-Apr-09	92.3	26.6	(2)	182.0
17-Apr-09	109.7	22.4	104.1	196.0
24-Apr-09	94.2	18.0	112.2	178.5
1-May-09	98.4	22.6	185.3	168.4
8-May-09	77.9	14.6	98.2	142.2
15-May-09	76.1	11.2	62.2	167.5
22-May-09	79.0	8.8	46.9	126.9
29-May-09	87.5	6.4	59.5	177.8
5-Jun-09	65.3	5.3	50.1	152.6
12-Jun-09	38.2	6.0	37.5	151.8
19-Jun-09	86.8	4.0	36.3	86.4
26-Jun-09	83.2	3.7	37.8	
2-Jul-09	(4)	2.0	63.4	131.2
10-Jul-09	4.0	1.3	9.6	141.6
17-Jul-09	0.2	2.2	3.3	150.1
24-Jul-09	(4)	1.6	19.0	229.0
26-Jul-09				137.3
31-Jul-09	(4)	0.5	11.8	167.8
7-Aug-09		1.4	6.7	268.3
14-Aug-09		6.4	129.9	18.7
21-Aug-09		4.8	21.0	161.5
28-Aug-09	0.5	0.9	20.1	271.0
4-Sep-09	(1)	0.8	11.8	151.4
11-Sep-09	(1)	4.0	8.4	168.1
18-Sep-09	(1)	1.0	8.6	209.0
25-Sep-09	(1)	0.8	8.0	188.8
2-Oct-09	2.5	0.9	26.8	166.0
9-Oct-09	51.3	0.4	47.3	238.6
16-Oct-09	10.3	0.5	29.0	207.6
23-Oct-09	69.3	3.1	33.0	130.1
30-Oct-09	73.5	4.2	32.8	257.2
6-Nov-09	54.4	1.3	25.9	311.6



**Table C-1 Surface Water Flow Summary - Main Quarry Stations**

Date	SW1	SW2	SW0-2	QFSW2
13-Nov-09	39.7	1.5	15.2	181.5
20-Nov-09	2.9	1.5	24.0	236.7
27-Nov-09	17.4	2.7	10.5	370.2
4-Dec-09	35.2	6.9	27.1	141.8
11-Dec-09	47.4	2.7	(2)	94.1
18-Dec-09	12.9	13.4	(2)	104.6
22-Dec-09	54.8	2.8	(2)	135.1
28-Dec-09	52.6	4.7	(2)	
8-Jan-10	52.8	4.9	(2)	
15-Jan-10	55.2	4.5	(2)	114.4
22-Jan-10	13.8	3.7	(2)	80.2
29-Jan-10	32.7	8.2	(2)	
5-Feb-10	55.5	7.5	(2)	95.8
12-Feb-10	40.3	8.2	(2)	71.9
19-Feb-10	26.8	3.0	(2)	86.0
1-Mar-10	28.0	2.5	(2)	122.6
5-Mar-10	42.4	2.2	(2)	100.8
12-Mar-10	23.1	12.5	(2)	133.5
19-Mar-10	32.5	68.9	156.8	129.2
26-Mar-10	35.3	26.9	69.3	135.6
2-Apr-10	75.2	28.2	102.1	
9-Apr-10	61.2	6.5	78.0	140.5
16-Apr-10	48.0	10.1	50.0	123.5
23-Apr-10	48.6	8.6	43.6	248.1
30-Apr-10	17.6	15.8	31.7	163.3
7-May-10	75.2	3.6	28.3	199.4
14-May-10	2.5	26.3	132.0	229.0
21-May-10	77.8	7.9	37.7	244.7
28-May-10	10.3	11.1	33.5	139.4
4-Jun-10	76.5	13.9	59.9	244.2
11-Jun-10	39.4	10.8	64.5	141.1
18-Jun-10	18.6	9.4	29.4	163.6
25-Jun-10	72.8	8.3	56.7	171.2
1-Jul-10	80.3	9.7	36.0	
9-Jul-10	0.8	9.6	105.5	250.5
15-Jul-10	2.2	7.8	38.8	92.0
23-Jul-10	0.3	9.3	89.6	123.7
30-Jul-10	0.2	8.5	41.6	202.1
6-Aug-10	(4)	9.7	26.0	118.3
13-Aug-10	(1)	4.6	21.1	182.7
20-Aug-10	(1)	2.8	17.1	153.8
27-Aug-10	(1)	3.5	14.0	117.2
30-Aug-10				

**Table C-1 Surface Water Flow Summary - Main Quarry Stations**

Date	SW1	SW2	SW0-2	QFSW2
1-Sep-10				
3-Sep-10	(1)	5.9	1.4	162.1
7-Sep-10				
10-Sep-10	(1)	5.4	2.0	172.0
17-Sep-10	(1)	5.3	21.3	302.9
24-Sep-10	0.2	3.2	41.7	199.9
1-Oct-10	3.6	7.8	53.5	276.6
8-Oct-10	17.6	6.6	33.5	285.1
15-Oct-10	4.2	5.6	45.2	151.5
22-Oct-10	7.2	2.6	24.2	182.7
29-Oct-10	1.3	4.2	27.1	169.8
5-Nov-10	1.3	6.2	68.8	162.8
12-Nov-10	6.4	11.1	40.3	182.8
19-Nov-10	11.5	22.6	83.3	139.1
26-Nov-10	16.6	13.8	106.6	150.7
3-Dec-10	5.0	12.7	68.3	140.0
9-Dec-10	15.5	9.3	(2)	151.7
17-Dec-10	43.8	8.1	(2)	106.0
23-Dec-10	10.4	6.3	(2)	81.3
30-Dec-10	32.7	9.7	(2)	
7-Jan-11	34.0	23.6	(2)	99.3
14-Jan-11	43.7	10.5	(2)	123.9
21-Jan-11	42.0	8.1	(2)	118.4
28-Jan-11	42.4	8.3	(2)	93.9
4-Feb-11	34.8	6.4	(2)	107.8
11-Feb-11	46.6	7.4	(2)	69.4
18-Feb-11	12.6	16.5	(2)	112.5
25-Feb-11	63.1	12.5	(2)	102.1
4-Mar-11	6.8	4.8	(2)	117.7
11-Mar-11	17.4	13.9	(2)	82.0
18-Mar-11	10.3	42.0	(2)	293.8
22-Mar-11		31.4		
25-Mar-11	9.7	24.3	(2)	120.5
1-Apr-11	11.7	15.8	158.7	132.1
8-Apr-11	14.2	34.0	134.2	171.4
15-Apr-11	53.3	30.0	124.6	172.6
21-Apr-11	86.0	26.3	148.1	278.8
29-Apr-11	51.0	18.7	123.7	
6-May-11	57.9	3.3	103.2	200.2
13-May-11	45.5	3.9	94.0	206.2
20-May-11	81.7	24.4	144.1	328.9
27-May-11	18.7	14.2	132.7	
3-Jun-11	13.1	5.5	74.4	239.5

**Table C-1 Surface Water Flow Summary - Main Quarry Stations**

Date	SW1	SW2	SW0-2	QFSW2
10-Jun-11	39.9	14.0	77.5	279.7
17-Jun-11	66.3	7.0	70.3	184.7
24-Jun-11	3.0	4.9	52.2	158.6
30-Jun-11	17.7	5.0	71.2	158.6
8-Jul-11	(1)	5.0	37.6	113.5
14-Jul-11	(1)	6.4	34.7	304.6
22-Jul-11	(1)	4.7	22.4	95.4
29-Jul-11	(1)	4.4	36.9	105.2
5-Aug-11	(1)	4.6	20.3	105.3
12-Aug-11	(1)	4.9	7.5	73.5
19-Aug-11	(1)	0.9	5.1	110.6
26-Aug-11	(1)	3.4	12.3	81.0
2-Sep-11	(1)	2.5	9.3	91.3
9-Sep-11	(1)	1.7	6.0	136.2
16-Sep-11	0.6	1.7	4.4	119.2
23-Sep-11	(1)	3.9	12.2	
30-Sep-11	(1)	3.1	15.5	105.0
6-Oct-11	40.2	1.7	20.5	57.7
14-Oct-11	(1)	3.3	41.2	177.6
20-Oct-11		9.4		
21-Oct-11	42.0	4.4	79.3	258.3
28-Oct-11	10.6	4.9	50.4	326.5
4-Nov-11	32.6	1.6	43.8	111.2
11-Nov-11	0.3	7.3	43.6	91.8
18-Nov-11	32.5	2.5	39.6	
25-Nov-11	45.1	2.6	28.9	85.6
2-Dec-11	45.3	9.7	56.9	
9-Dec-11	52.9	13.4	75.7	142.7
16-Dec-11	18.0	13.7	65.5	116.8
23-Dec-11	36.8	14.0	(2)	
30-Dec-11	21.1	10.1	(2)	
6-Jan-12	17.7	1.1	(2)	107.0
13-Jan-12	48.7		(2)	
20-Jan-12	41.0	15.5	(2)	105.4
27-Jan-12	37.3	12.1	(2)	92.7
3-Feb-12	56.7	12.7	(2)	103.4
10-Feb-12	42.1	11.2	(2)	85.4
17-Feb-12	30.1	5.5	(2)	109.6
24-Feb-12	41.2	8.5	(2)	
1-Mar-12	46.5	4.1	(2)	109.4
9-Mar-12	36.7	37.8	(2)	(5)
16-Mar-12	136.7	70.3	529.8	
23-Mar-12	26.7	29.0	131.3	146.3

**Table C-1 Surface Water Flow Summary - Main Quarry Stations**

Date	SW1	SW2	SW0-2	QFSW2
30-Mar-12	42.1	11.1	180.4	128.7
6-Apr-12	47.5	9.8		
13-Apr-12	16.6	8.0	163.8	296.9
20-Apr-12	37.0	18.2	185.5	388.5
27-Apr-12	1.5	7.9	218.5	167.7
4-May-12	5.0	9.5	290.7	208.7
11-May-12	4.0	5.8	121.9	181.5
18-May-12	32.7	8.1	191.8	173.5
25-May-12	24.8	6.8	170.1	204.3
1-Jun-12	7.9	6.3	54.5	162.0
8-Jun-12	23.2	6.2	43.3	141.0
15-Jun-12	10.8	5.4	31.7	119.0
22-Jun-12	28.5	1.7	29.9	77.4
28-Jun-12	1.1	2.1	27.7	136.6
6-Jul-12	2.4	5.1	10.1	59.0
13-Jul-12	(1)	6.3	16.4	201.6
20-Jul-12	(1)	3.0	16.3	130.7
27-Jul-12	(1)	1.9	27.6	141.7
3-Aug-12	(1)	2.0	12.5	165.2
10-Aug-12	1.3	2.1	67.0	457.5
17-Aug-12	30.8	8.7	82.8	254.4
24-Aug-12	(1)	4.9	31.7	222.2
31-Aug-12	0.9	4.3	34.6	222.1
7-Sep-12	(1)	3.5	19.6	183.1
14-Sep-12	1.2	5.5	30.7	149.1
21-Sep-12	(1)	3.5	41.2	130.8
28-Sep-12	1.0	3.9	12.4	206.1
5-Oct-12	3.6	3.4	29.0	246.5
12-Oct-12	1.3	4.9	43.0	121.2
19-Oct-12	7.7	5.0	21.4	145.2
26-Oct-12	2.8	3.2	40.8	117.4
2-Nov-12	11.7	36.3	120.0	136.3
9-Nov-12	14.7	16.8	103.7	146.8
16-Nov-12	2.2	16.5	83.3	127.0
23-Nov-12	23.4	15.7	66.9	165.1
30-Nov-12	9.9	14.5	60.8	152.7
7-Dec-12	35.0	11.3	73.7	149.6
14-Dec-12	42.7	7.8	56.8	140.0
21-Dec-12	39.9	8.5	67.5	148.6
28-Dec-12	49.3	7.7	(2)	
4-Jan-13	47.8	5.8	(2)	102.5
11-Jan-13	62.4	11.8	(2)	163.8
17-Jan-13	48.4	16.7	(2)	133.4

**Table C-1 Surface Water Flow Summary - Main Quarry Stations**

Date	SW1	SW2	SW0-2	QFSW2
25-Jan-13	24.7	14.0	(2)	146.0
1-Feb-13	60.8	31.3	(2)	
8-Feb-13	53.7	9.9	(2)	
15-Feb-13	52.0	10.2	(2)	123.5
22-Feb-13	52.0	6.2	(2)	138.1
1-Mar-13	47.9	6.1	(2)	138.5
8-Mar-13	49.8	7.5	(2)	99.0
15-Mar-13	50.7	15.2	(2)	96.8
22-Mar-13	50.4	12.7	(2)	129.5
28-Mar-13	48.9	9.2	118.7	116.7
5-Apr-13	45.1	8.8	76.7	129.5
12-Apr-13	81.9	9.8	113.2	131.1
19-Apr-13	123.1	57.8	405.3	
26-Apr-13	61.3	24.5	164.6	125.5
3-May-13	19.9	28.2	71.0	279.3
9-May-13	46.7	12.8	67.6	88.7
16-May-13	25.0	9.0	53.9	204.5
24-May-13	55.7	23.6	104.5	216.8
31-May-13	58.7	6.8	51.2	341.3
7-Jun-13	49.2	11.7	53.4	
14-Jun-13	48.7	7.1	63.7	274.0
21-Jun-13	41.2	8.4	43.8	155.1
27-Jun-13	5.6	7.7	32.0	197.3
5-Jul-13	37.1	8.2	49.9	222.3
12-Jul-13	5.5	8.8	53.7	203.8
19-Jul-13	3.2	7.9	36.4	119.8
25-Jul-13	29.0	2.7	41.2	236.8
2-Aug-13	4.0	2.6	84.2	259.9
8-Aug-13	3.4	3.1	69.5	193.1
16-Aug-13	0.6	2.8	40.4	81.2
23-Aug-13	(1)	2.4	35.5	65.6
30-Aug-13	0.5	2.7	35.4	62.3
6-Sep-13	0.5	2.4	42.2	59.9
13-Sep-13	7.0	2.2	44.3	129.4
20-Sep-13	2.4	2.7	25.8	131.3
27-Sep-13	18.7	2.5	26.7	131.3
4-Oct-13	24.8	4.1	41.3	
11-Oct-13	58.1	4.2	37.6	116.7
18-Oct-13	7.3	5.2	67.0	165.6
25-Oct-13	24.9	9.5	150.6	204.3
31-Oct-13	35.5	12.5	257.4	302.3
8-Nov-13	48.0	14.9	255.1	159.6
14-Nov-13	49.0	16.1	240.1	171.2

**Table C-1 Surface Water Flow Summary - Main Quarry Stations**

Date	SW1	SW2	SW0-2	QFSW2
22-Nov-13	44.5	17.8	244.9	116.8
29-Nov-13	47.8	5.5		85.4
6-Dec-13	29.2	14.2	119.7	121.6
13-Dec-13	42.7	(2)	(2)	
19-Dec-13	39.5	(2)	(2)	118.4
27-Dec-13	36.8	(2)	(2)	
3-Jan-14	34.5			65.3
10-Jan-14	13.8	6.3		88.7
17-Jan-14	10.5	8.1		80.4
24-Jan-14	35.9			102.6
31-Jan-14	37.8	5.0		92.1
7-Feb-14	14.1	6.1		86.6
14-Feb-14	7.1	3.1		110.8
21-Feb-14	29.2			92.8
28-Feb-14				73.4
7-Mar-14	21.1	4.1		69.3
14-Mar-14	31.9	3.7		82.2
21-Mar-14	33.8	3.8		88.0
28-Mar-14	34.4	6.6		114.5
4-Apr-14	26.2	14.4		98.1
11-Apr-14	52.3	33.6		215.1
17-Apr-14	177.9	104.1	247.6	244.9
25-Apr-14	65.4	88.3	469.4	166.7
1-May-14	93.7	67.1	288.6	147.4
9-May-14	35.8	9.4	151.0	197.1
16-May-14	31.4	8.2	142.7	110.8
23-May-14	12.8	28.8	82.1	214.9
30-May-14	33.3	9.0	86.4	185.2
6-Jun-14	5.6	7.5	51.7	186.0
13-Jun-14	5.6	4.2	49.6	161.0
20-Jun-14	9.1	5.5	52.9	135.7
27-Jun-14	3.9		40.7	132.9
28-Jun-14		4.6		
4-Jul-14	1.8	1.4	24.5	149.0
11-Jul-14	8.2	0.8	15.4	127.1
18-Jul-14	5.0	1.6	39.5	145.0
25-Jul-14	2.8	0.5	15.9	147.8
1-Aug-14	0.7	1.3	11.8	149.3
8-Aug-14	0.6	1.0	10.1	128.5
15-Aug-14	4.4	1.1	13.3	148.0
22-Aug-14	2.9	0.3	12.8	237.3
29-Aug-14	1.4		11.2	147.8
5-Sep-14	4.0	0.1		167.3

**Table C-1 Surface Water Flow Summary - Main Quarry Stations**

Date	SW1	SW2	SW0-2	QFSW2
12-Sep-14	1.2	0.8	15.1	91.5
19-Sep-14	4.3	0.9	17.7	88.9
26-Sep-14	3.9	0.8	20.4	98.5
3-Oct-14	4.7	0.3	21.9	81.3
10-Oct-14	8.4	0.1	25.1	85.1
16-Oct-14	5.4	0.2	39.1	102.0
24-Oct-14	1.6	2.9	10.8	124.2
31-Oct-14	11.5	1.8	14.8	156.0
7-Nov-14	51.6	6.0	20.8	92.8
14-Nov-14	14.4	9.2	26.2	71.9
20-Nov-14				
28-Nov-14	65.3	2.8	(2)	54.0
5-Dec-14	12.0	4.1	(2)	52.8
12-Dec-14	13.7	2.1	(2)	53.0
19-Dec-14	45.3	2.4	(2)	48.4
26-Dec-14	84.6	5.2	169.2	
2-Jan-15	36.4	2.4	(2)	
8-Jan-15	(2)	2.3	(2)	73.9
14-Jan-15	33.0	1.3	(2)	45.2
22-Jan-15			(2)	
23-Jan-15	28.4	2.4		45.9
30-Jan-15	10.8	5.0	(2)	
6-Feb-15	15.8	1.8	(2)	60.5
12-Feb-15	21.2	0.9	(2)	
27-Feb-15	24.5	0.6	(2)	82.1
6-Mar-15	4.3	0.7	(2)	103.1
13-Mar-15	7.5	2.4	(2)	124.0
20-Mar-15	17.8	5.9	(2)	87.8
26-Mar-15	6.8	3.6	(2)	107.4
2-Apr-15	6.1	3.4	27.0	87.8
10-Apr-15	83.3	32.3	(5)	164.0
17-Apr-15	63.3	23.6	(5)	86.9
23-Apr-15	51.0	18.8	99.4	96.6
1-May-15	10.3	7.7	44.2	204.6
8-May-15	6.3	7.0	40.0	200.0
15-May-15	2.4	3.1	14.5	199.6
21-May-15	3.1	4.1	15.3	164.2
28-May-15	8.3	3.2	19.3	219.4
4-Jun-15	5.1	3.3	12.6	167.4
12-Jun-15	2.5	1.9	22.3	191.5
18-Jun-15	2.8	3.1	23.3	172.2
26-Jun-15	10.3	1.6		178.8
1-Jul-15	77.9	11.0		

**Table C-1 Surface Water Flow Summary - Main Quarry Stations**

Date	SW1	SW2	SW0-2	QFSW2
10-Jul-15	5.0	7.9	28.3	106.2
17-Jul-15	8.0	7.3	30.0	135.9
22-Jul-15	4.9	3.6	13.1	86.7
30-Jul-15	3.4	0.9	5.2	89.9
5-Aug-15	19.2	1.9	23.0	92.2
13-Aug-15	7.8	2.3	15.6	120.2
21-Aug-15	2.3	0.8	10.8	159.7
28-Aug-15	1.9	0.9	8.5	95.3
3-Sep-15	4.6	0.6	6.6	99.5
10-Sep-15	1.8	0.8	15.6	65.1
18-Sep-15	(1)	0.3	5.0	68.5
25-Sep-15	3.4	0.5	7.8	68.0
2-Oct-15	14.8	0.4	4.8	81.3
9-Oct-15	1.3	0.6	11.0	97.8
16-Oct-15	3.3	0.5	8.0	84.9
23-Oct-15	3.1	0.3	14.1	70.6
30-Oct-15	27.0	0.7	48.6	124.2
5-Nov-15	2.6	2.2	20.7	103.7
10-Nov-15	9.4			
13-Nov-15	61.5	1.5	78.0	70.3
19-Nov-15	17.1	1.1	33.3	86.0
26-Nov-15	0.8	1.3	36.6	81.6
4-Dec-15	2.3	0.9	24.0	100.5
10-Dec-15	12.3	1.4	20.9	102.9
17-Dec-15	21.2	2.2	41.5	127.2
23-Dec-15	32.0	3.9	49.7	63.7
30-Dec-15	34.4	1.7	63.5	67.5
8-Jan-16	11.8	2.6	30.4	
14-Jan-16	12.1	2.1	(2)	70.8
22-Jan-16	12.1	2.0	(2)	58.2
29-Jan-16	16.7	1.2	(2)	38.0
5-Feb-16	77.1	10.4	(2)	65.6
11-Feb-16	53.4	3.9	(2)	104.1
18-Feb-16	19.2	5.7	(2)	83.6
25-Feb-16	10.2	3.9	(2)	136.2
4-Mar-16	66.8	9.7	(2)	93.6
10-Mar-16	160.7	53.4	388.1	48.6
18-Mar-16	54.8	19.2	156.6	169.1
28-Mar-16	233.3	93.3	576.7	107.1
1-Apr-16	253.8	36.9	509.4	26.7
7-Apr-16	168.5	19.7	301.6	258.2
15-Apr-16	61.9	11.5	130.6	180.8
22-Apr-16	50.9	12.8	84.3	149.7



**Table C-1 Surface Water Flow Summary - Main Quarry Stations**

Date	SW1	SW2	SW0-2	QFSW2
29-Apr-16	41.6	8.6	36.6	230.6
6-May-16	40.3	6.7	25.4	129.0
13-May-16	30.2	5.3	36.6	135.4
20-May-16	23.6	5.3	20.2	183.7
27-May-16	22.7	3.9	22.6	224.5
2-Jun-16	18.8	3.9	28.5	73.1
10-Jun-16	11.7	2.7	15.4	194.2
17-Jun-16	10.4	2.2	5.2	82.9
24-Jun-16	6.3	1.7	3.9	169.4
28-Jun-16	6.9	1.8	6.2	132.0
5-Jul-16	5.0			
8-Jul-16	5.0	1.6	4.3	151.9
15-Jul-16	6.6	2.6	4.7	139.7
22-Jul-16	2.7	6.2	2.1	94.1
29-Jul-16	3.1	0.2	1.1	134.5
5-Aug-16	0.8	0.5	(1)	81.5
12-Aug-16	(1)	0.9	(1)	117.1
19-Aug-16	26.9	0.6		42.0
26-Aug-16	2.1	0.3		85.8
2-Sep-16	0.6	1.6		99.0
9-Sep-16	9.6	1.3		51.3
16-Sep-16	2.6	5.5		131.4
21-Sep-16	3.6	0.4		103.4
30-Sep-16	4.4	0.6		73.7
7-Oct-16	6.7	1.6	9.0	99.0
13-Oct-16	13.7	0.9		112.2
19-Oct-16	13.9	1.0		77.8
24-Oct-16				
27-Oct-16	13.1	0.5	25.6	55.3
3-Nov-16	19.1	0.6	25.2	80.8
11-Nov-16	11.2	0.8		46.6
18-Nov-16	2.5	0.3	8.9	51.0
24-Nov-16	7.5	0.6	12.8	79.6
2-Dec-16	24.5	0.6	55.0	40.9
7-Dec-16	28.6	0.5		78.7
16-Dec-16	27.4	0.8	14.1	94.3
22-Dec-16	(2)	0.2	(2)	60.4
30-Dec-16	(2)	0.7	(2)	
6-Jan-17	(2)	3.4	(2)	30.5
13-Jan-17	(2)	2.1	(2)	94.8
20-Jan-17	12.8	2.5	(2)	65.4
26-Jan-17	55.9	8.5	94.6	65.7
3-Feb-17	(2)	0.6	(2)	49.5

**Table C-1 Surface Water Flow Summary - Main Quarry Stations**

Date	SW1	SW2	SW0-2	QFSW2
10-Feb-17	(2)	0.9	(2)	49.0
17-Feb-17	(2)	1.4	(2)	61.7
19-Apr-17	53.7	8.0	58.5	160.6
3-May-17				122.8
9-May-17				
10-May-17				
16-May-17	95.5	4.4	99.4	136.2
28-Jun-17	34.0	3.6	53.6	141.7
18-Jul-17	8.9	2.6	40.7	63.7
15-Aug-17	14.4	1.4	36.2	107.8
18-Sep-17	21.8	0.6	26.8	53.8
17-Oct-17			58.6	
18-Oct-17	37.3	2.6		118.8
14-Nov-17			44.5	
15-Nov-17	33.2	1.1		84.9
13-Dec-17	(2)	(2)	(2)	
14-Dec-17				71.1
17-Jan-18	(2)	6.3	(2)	55.1
18-Feb-18			280.5	(5)
22-Feb-18	128.6	29.3		
23-Feb-18				
6-Mar-18				
18-Mar-18			(2)	
20-Mar-18	(2)	8.8		77.9
18-Apr-18	(2)	9.3	(2)	28.3
8-May-18				
9-May-18				
14-May-18		3.6		73.1
15-May-18	76.2		66.7	
18-Jun-18	3.4	1.9	6.6	73.6
19-Jul-18	1.8	1.5	1.5	53.7
23-Aug-18	54.2	5.8	39.2	69.4
5-Sep-18				
19-Sep-18	1.1	2.4	4.5	93.8
24-Oct-18	18.1	1.7	12.5	35.3
21-Nov-18		0.9		59.1
6-Dec-18				
12-Dec-18	(2)	1.6	(2)	39.4
18-Jan-19		1.5		54.3
26-Feb-19				47.0
8-Mar-19				
15-Mar-19	(2)	(2)	(2)	(2)
24-Apr-19	110.3	32.7	162.7	132.4

**Table C-1 Surface Water Flow Summary - Main Quarry Stations**

Date	SW1	SW2	SW0-2	QFSW2
14-May-19				
17-May-19				
23-May-19	51.7	5.6	64.7	113.5
18-Jun-19	24.4	2.5	31.3	28.6
29-Jul-19	(1)	0.3	0.8	59.8
29-Aug-19	(1)	1.0	0.8	69.0
4-Sep-19				
26-Sep-19	(1)	0.1	2.3	86.4
23-Oct-19		0.8	13.8	89.0
22-Nov-19	57.9			82.6
19-Dec-19				
20-Dec-19				76.8
15-Jan-20		0.8		38.2
20-Feb-20				22.8
2-Mar-20				
26-Mar-20	114.2	4.9		58.9
27-Apr-20	268.3	7.5	37.9	74.4
19-May-20				
29-May-20	141.7	8.5	27.8	93.1
11-Jun-20				
23-Jun-20	14.0	31.9	18.5	64.1
30-Jul-20	10.7	5.5	12.7	47.0
25-Aug-20		0.7	9.1	25.4
27-Aug-20				
25-Sep-20	(1)	3.7	28.1	57.7
30-Oct-20	(1)	1.1	10.0	60.9
25-Nov-20				
26-Nov-20	(2)	2.0	14.2	94.4
23-Dec-20		0.1	4.7	(4)
27-Jan-21	(2)	0.5	(2)	35.0
22-Feb-21	(2)	(2)	(2)	19.4
23-Feb-21				
29-Mar-21	0.2	10.5	98.9	89.5
27-Apr-21	156.2	9.8	118.5	72.8
26-May-21				
27-May-21	22.6	4.6	12.1	39.0
22-Jun-21	(1)	4.5	5.9	53.8
22-Jul-21	(4)	3.1	73.1	172.7
11-Aug-21				
25-Aug-21	17.1	2.7	7.3	161.0
28-Sep-21	36.6	6.4		168.0
7-Oct-21				
26-Oct-21	59.0	35.9	57.2	162.4

**Table C-1 Surface Water Flow Summary - Main Quarry Stations**

Date	SW1	SW2	SW0-2	QFSW2
23-Nov-21	(2)	8.8	26.5	115.6
21-Dec-21	(2)	0.3	5.8	75.0
24-Jan-22	(2)	(2)	(2)	51.2
8-Feb-22	(2)	(2)	(2)	43.7
28-Feb-22				
16-Mar-22	0.1	11.0	(2)	42.3
21-Apr-22	18.0	5.9	167.8	47.5
4-May-22				
24-May-22	18.1		21.2	81.6
26-May-22		3.5		
24-Jun-22	33.7			
25-Jun-22		5.3	17.1	
26-Aug-22		7.8	24.3	
29-Aug-22	4.0			
31-Aug-22				44.8
27-Sep-22	6.8	8.7	32.5	
26-Oct-22	10.3	2.3	10.5	
28-Oct-22				27.1
21-Nov-22	20.1	2.0	16.3	
20-Dec-22	36.5	1.7	12.5	
24-Jan-23	(2)	6.1	(2)	
22-Feb-23		4.9	(2)	
23-Feb-23				0.7
27-Mar-23	94.2	20.8	912.0	
21-Apr-23	81.0	8.8	251.8	
15-May-23	93.6	9.0	95.1	
17-May-23				124.6
26-Jun-23	71.3	7.6	140.1	
25-Jul-23	46.1	7.3	96.6	
28-Aug-23	22.9	0.8	34.5	
30-Aug-23				158.7
25-Sep-23	5.1	3.3	22.5	
30-Oct-23	29.6	1.0	150.3	
31-Oct-23				70.4
29-Nov-23	20.1	6.8	(2)	
18-Dec-23	39.2	2.4	73.9	

**Table C-2 Surface Water Flow Summary - Extension Quarry Stations**

Date	SW3	SW4	SW6A	SW8	SW9	SW10	SW11	SW11A	SW11B	SW11C	SW11D
22-May-03		(1)	164.4	0.2		0.6	23.0	(6)	(6)	(6)	(6)
23-Jun-03	(1)	(1)	58.3	(4)	(1)	0.25	3.8	0.75	1.0	0.4	0.75
26-Jun-03											
22-Jul-03	(1)	(1)	92.5	(1)	(1)	1.1	0.8	1.4	0.8	(1)	0.8
20-Aug-03	(1)	(1)	57.6	(1)	(1)	(4)	3.2	(1)	0.35	(1)	0.1
25-Sep-03	(1)	(1)	9.0	(1)	(1)	(4)	0.98	0.1	0.1	(1)	0.2
22-Oct-03	(1)	(1)	50.8	(1)	(1)	0.7		0.2	1.3	0.1	0.1
23-Oct-03											
28-Nov-03	(1)	(1)	214.9	0.12	1.95	(4)	6.94	0.27	0.3	0.56	0.82
19-Dec-03	0.15	(1)	266.5	(2)	4.52	2.0	13.09	0.5	0.6	1.0	1.2
10-Feb-04	(2)	(1)	(2)	(2)						0.5	
11-Feb-04						0.25					
12-Feb-04											
13-Feb-04					2.08		6.74	1.5	0.75		0.75
16-Mar-04			473.4								
17-Mar-04											
18-Mar-04	2.84	(1)		(2)	5.24	0.15	22.44	1.72	0.75	0.59	0.92
19-Apr-04	14.42	(1)	606.6								
20-Apr-04				0.52	7.04	1.13					
21-Apr-04							27.35	12.21	5.77	1.83	8.41
19-May-04	0.83	(1)	291.5	0.23	1.41	0.21	11.08	2.7	0.9	0.61	6.72
24-Jun-04	(1)	(1)	185.9	0.1	0.58	0.1	3.98	0.44	0.34	0.13	0.22
29-Jul-04	(1)	(1)	100.5		(1)	(4)	2.99	0.5	1.5	(4)	1.0
23-Aug-04	(1)	(1)			(1)			(4)		(1)	(4)
26-Aug-04			24.9			(4)	0.2		0.25		
21-Sep-04	(1)	(1)			(1)	(4)		(4)	0.1	(1)	
22-Sep-04			41.3				0.21				(4)
23-Sep-04											
20-Oct-04											(4)
21-Oct-04	(1)	(1)	41.5	(1)	(1)	(4)	1.07	(4)	0.1	(1)	
16-Nov-04			69.8								
17-Nov-04	(1)	(1)			(1)	(4)		(4)		(1)	
18-Nov-04							5.91		0.1		(4)
15-Dec-04	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
16-Dec-04											
13-Jan-05		63.18									
16-Jan-05	(2)		(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
13-Feb-05	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
27-Mar-05		(2)		(2)							
28-Mar-05			220.0								
29-Mar-05					4.21	0.36	18.37	15.0	10.0	4.0	10.0
30-Mar-05	0.76										
10-Apr-05		(2)									

**Table C-2 Surface Water Flow Summary - Extension Quarry Stations**

Date	SW3	SW4	SW6A	SW8	SW9	SW10	SW11	SW11A	SW11B	SW11C	SW11D
11-Apr-05	31.38		1671.0		41.7	3.18	62.1	12.0	10.0	8.0	5.7
22-May-05	(1)	(1)									
24-May-05			286.6								
26-May-05				0.13	1.07	0.16	10.35	5.28	2.2	1.43	2.8
26-Jun-05	(1)	(1)			(1)					(1)	
27-Jun-05											
28-Jun-05			123.0								
29-Jun-05						0.1	3.2	(4)	0.94		0.2
10-Jul-05	(1)	(1)			(1)					(1)	
11-Jul-05			87.5								
12-Jul-05						(4)	5.0	1.0	2.0		1.5
21-Aug-05	(1)	(1)			(1)		0.88			(1)	
22-Aug-05			53.2			(4)					
23-Aug-05								0.1	0.4		0.3
25-Sep-05	(1)	(1)		(1)	(1)	0.1		(4)		(1)	0.1
27-Sep-05			14.7								
28-Sep-05							0.9				
23-Oct-05	(1)	(1)			(1)			(1)		(1)	
24-Oct-05			46.0								
25-Oct-05						0.5	0.84		0.1		0.1
13-Nov-05	(1)	(1)			(1)					0.1	
14-Nov-05			32.8								
15-Nov-05											
16-Nov-05						0.12	2.19	0.15	1.7		1.21
11-Dec-05	(1)	(2)	166.9	(2)	(1)					(1)	
12-Dec-05											
13-Dec-05						0.1	3.5	0.3	0.9		0.2
14-Dec-05											
16-Dec-05											
15-Jan-06		(2)		(2)							
16-Jan-06	2.35		133.0								
17-Jan-06						2.72					
18-Jan-06					5.45		20.17	7.62	6.25	9.65	9.81
19-Feb-06	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
19-Mar-06		5.95		(2)							
20-Mar-06	39.72		966.1								
21-Mar-06											
22-Mar-06					15.3	2.01					
24-Mar-06							29.22	11.37	3.48	1.71	4.23
31-Mar-06											
7-Apr-06											
13-Apr-06											
16-Apr-06		(1)					22.11				

**Table C-2 Surface Water Flow Summary - Extension Quarry Stations**

Date	SW3	SW4	SW6A	SW8	SW9	SW10	SW11	SW11A	SW11B	SW11C	SW11D
18-Apr-06	5.16		569.4								
19-Apr-06				0.25	5.6	3.78		5.24	4.07	2.06	8.61
21-May-06		(1)									
23-May-06	0.8		407.6								
24-May-06				0.13	2.42	(4)	10.74	3.29	1.11	2.21	3.44
18-Jun-06	(1)	(1)			(1)					(1)	
20-Jun-06											
21-Jun-06			83.4				3.04	0.47	1.64		0.33
23-Jun-06						(4)					
9-Jul-06	(1)	(1)			(1)						
10-Jul-06											
11-Jul-06			55.6								
12-Jul-06						0.39	2.62	0.25	2.02	(4)	0.43
20-Aug-06	(1)	(1)			(1)					(1)	
21-Aug-06											
22-Aug-06			32.0								
23-Aug-06						(4)					
24-Aug-06							1.02	0.7	0.54		0.71
17-Sep-06	(1)	(1)		(1)	(1)					(1)	
20-Sep-06			36.4								
21-Sep-06						(4)	1.52	0.25	0.56		0.17
25-Sep-06									0.5		
27-Sep-06											
28-Sep-06											
15-Oct-06	(1)	(1)			(1)						
17-Oct-06											
18-Oct-06			124.8								
19-Oct-06						(4)	2.21	0.91	1.61	0.1	0.59
17-Nov-06											
19-Nov-06	(1)										
23-Nov-06							16.83	3.81	1.88	3.25	4.87
24-Nov-06			286.8								
27-Nov-06					2.43	1.52					
17-Dec-06	1.25	(1)	382.9	(4)	3.91	0.55	19.8	5.44	7.03	3.69	2.62
23-Dec-06											
21-Jan-07	0.11	(2)	(2)	(2)	(2)	(2)	35.0	15.0	4.0	3.0	15.0
18-Feb-07	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
18-Mar-07	(2)	9.12	492.0	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
15-Apr-07	4.33										
16-Apr-07		(1)	574.2	0.97	7.17	1.71					
17-Apr-07							26.15	6.29	4.91	1.39	3.31
13-May-07		(1)	170.1	(4)	1.99	0.2	11.09	4.55	2.27	0.62	1.55
15-May-07											

**Table C-2 Surface Water Flow Summary - Extension Quarry Stations**

Date	SW3	SW4	SW6A	SW8	SW9	SW10	SW11	SW11A	SW11B	SW11C	SW11D
17-Jun-07	(1)	(1)	92.8	(1)	(1)	0.1	2.81	0.14	(4)	2.09	0.4
18-Jun-07											
15-Jul-07	(1)	(1)	47.5	(1)	(1)	(4)	1.0	(4)	0.5	0.61	0.3
18-Jul-07											
19-Aug-07	(1)	(1)	32.1	(1)	(1)	(4)	0.56	(1)	(1)	0.16	(4)
22-Aug-07											
16-Sep-07	(1)	(1)		(1)	(1)	(4)		(1)	(1)	1.25	0.24
17-Sep-07							0.5				
18-Sep-07			14.2								
14-Oct-07	(1)	(1)		(1)	(1)	0.1		(1)	(1)	(1)	(1)
18-Oct-07			47.0				0.4				
19-Oct-07											
18-Nov-07	(1)	(1)		(1)	(1)			(1)	(1)		
19-Nov-07							1.4			1.45	0.23
21-Nov-07			123.9			0.2					
9-Dec-07	(2)	(2)	(2)	(2)	(2)	(2)					
10-Dec-07											
11-Dec-07							2.8	2.53	0.6	2.45	0.89
12-Dec-07											
20-Jan-08	(2)	(2)		(2)	(2)	(2)					
21-Jan-08			883.4								
22-Jan-08							73.6	1.08	7.25	5.6	8.1
17-Feb-08	(2)	(2)	(2)	(2)	(2)	(2)					
19-Feb-08											
20-Feb-08							15.3	4.25	4.66	4.1	14.45
16-Mar-08	(2)	(2)		(2)	(2)	(2)					
17-Mar-08							2.1	1.22	7.2	2.9	12.5
18-Mar-08			178.8								
19-Mar-08											
30-Mar-08	12.87	8.79		(4)	0.1	2.77					
1-Apr-08											
2-Apr-08			964.1				100.8	3.29	11.1	8.9	2.65
4-Apr-08											
7-Apr-08											
20-Apr-08		(1)		0.3							
21-Apr-08											
23-Apr-08	11.14				12.5	0.2	32.6	2.04	6.0	3.1	3.09
24-Apr-08			624.1								
6-May-08											
18-May-08		(1)		(4)							
20-May-08						0.4					
21-May-08	0.43		283.7		2.8						
22-May-08							13.1	0.54	3.76	1.4	2.27



**Table C-2 Surface Water Flow Summary - Extension Quarry Stations**

Date	SW3	SW4	SW6A	SW8	SW9	SW10	SW11	SW11A	SW11B	SW11C	SW11D
15-Jun-08	(1)	(1)		(1)	(1)						0.15
17-Jun-08			158.4				13.1	0.34	4.33	1.1	
18-Jun-08						0.1					
13-Jul-08	(1)	(1)		(1)	(1)	(4)		(4)			(1)
15-Jul-08			56.2				0.8		0.4	0.5	
16-Jul-08											
17-Aug-08	(1)	(1)		(1)	(1)						(1)
18-Aug-08											
19-Aug-08			105.1			0.3	7.3	0.16	0.2	0.9	
12-Sep-08			60.7								
14-Sep-08	(1)	(1)		(1)	(1)	0.3					(4)
16-Sep-08							7.5	1.6	1.4	1.35	
17-Sep-08											
19-Oct-08	(1)	(1)		(1)	(1)			0.16			0.1
20-Oct-08											
21-Oct-08						0.4					
22-Oct-08			119.3				0.8		1.3	1.57	
23-Nov-08	(2)	(2)	357.9	(2)	(2)	0.92	7.5	2.22	3.02	1.6	3.52
14-Dec-08	(2)	(1)	474.6	(2)	(2)	0.61	17.43	1.94	5.7	10.73	2.9
18-Jan-09	(2)	(2)	261.7	(2)	(2)	(2)	11.0	1.3	2.8	0.54	(2)
8-Feb-09	(2)	(1)	545.2	(2)	(2)	1.77	51.1	5.25	10.8	7.5	0.9
15-Mar-09	8.8	4.4	1095.0	0.3	0.41	1.7	43.8	4.8	9.6	4.6	1.6
12-Apr-09	9.1	1.3	382.7	2.4	17.2	0.7	27.3	3.8	10.4	6.1	3.42
17-May-09	0.8	(1)	393.6	0.3	5.9	0.2	5.1	0.2	4.5	1.8	0.8
14-Jun-09	(1)	(1)	155.8	(1)	(1)	0.1	2.3	0.1	1.8	1.3	(1)
12-Jul-09	(1)	(1)	106.6	(1)	(1)	(4)	0.8	0.16	0.5	1.6	(1)
9-Aug-09	(1)	(1)	169.3	(1)	(1)	0.2	0.8	0.12	0.45	1.2	(1)
13-Sep-09	(1)	(1)	44.4	(1)	(1)	(4)	0.8	(4)	(4)	0.46	(1)
11-Oct-09	(1)	(1)	150.7	(1)	(1)	0.12	1.1	(4)	0.17	0.51	(1)
15-Nov-09	(1)	(1)	123.9	(1)	(1)	0.4	2.4	0.1	0.95	0.7	(1)
13-Dec-09	(2)	(1)	151.0	(1)	(2)	(4)	0.9	0.8	1.14	1.12	(2)
17-Jan-10	(2)	(2)	113.0	(2)	(2)	(2)	1.2	0.2	3.95	0.65	(2)
7-Feb-10	(2)	(2)	134.9	(2)	(2)	(2)	1.35	0.18	1.03	0.9	(2)
14-Mar-10	26.4	8.1	1499.6	(2)	25.4	1.95	19.5	2.25	15.0	4.36	0.45
4-Apr-10	6.7				11.2						
11-Apr-10	3.4	(1)	303.4	0.1	8.3	0.5	9.0	0.6	6.7	2.3	0.5
16-May-10	1.3	(1)	247.0		5.4	0.3	12.0	0.4	4.1	0.6	0.6
23-May-10	(1)				0.6						
13-Jun-10	3.0	(1)	240.0	(1)	2.6	0.65	8.0	0.55	2.5	0.45	0.63
18-Jul-10	3.1		287.1	(1)	1.6	(4)	6.2	1.5	5.5	1.8	0.3
19-Jul-10		1.05									
15-Aug-10	(1)	(1)	106.9	(1)	(1)	0.24	1.34	(4)	0.42	0.45	(1)
12-Sep-10	(1)	(1)	89.1	(1)	(1)	(4)	0.24	(4)	(4)	0.25	(1)

**Table C-2 Surface Water Flow Summary - Extension Quarry Stations**

Date	SW3	SW4	SW6A	SW8	SW9	SW10	SW11	SW11A	SW11B	SW11C	SW11D
17-Oct-10	(1)	(1)	99.5	(1)	0.8	0.2	6.0	0.2	1.9	0.8	(4)
21-Oct-10											
14-Nov-10	0.3	(1)	276.6	(1)	1.7	1.4	16.9	1.4	6.2	2.7	0.4
19-Dec-10	(2)	(2)	241.2	(2)	(2)	(2)	5.34	(2)	(2)	(2)	(2)
15-Jan-11											
16-Jan-11	1.7		305.3				10.3	0.5			
20-Feb-11	(2)		418.7			0.4	4.6	0.4	4.0	1.6	
13-Mar-11	6.0	(2)	387.8	(2)	(2)	0.2	9.5	1.0	5.8	1.2	0.6
17-Mar-11	11.2										
18-Mar-11	59.8										
20-Mar-11	15.8	(2)	962.9		17.1						
22-Mar-11											
1-Apr-11	4.4										
5-Apr-11	32.4										
8-Apr-11	17.1										
12-Apr-11	48.7										
15-Apr-11	18.0										
17-Apr-11	14.0	(1)	699.4	0.7	45.3	0.9	8.2	0.7	6.4	2.6	1.3
18-Apr-11											
20-Apr-11	33.3										
21-Apr-11	20.9										
26-Apr-11	14.0										
29-Apr-11	19.5										
3-May-11	8.4										
6-May-11	4.2										
10-May-11	1.5										
13-May-11	8.1			0.5							
15-May-11	95.3	(1)	577.0		16.9	2.1	41.7	8.2	12.8	6.5	3.3
16-May-11	28.8										
18-May-11	22.5										
19-May-11	23.1										
20-May-11	16.8										
27-May-11	17.8										
3-Jun-11	3.8										
12-Jun-11		(1)	296.3	(4)	1.2	0.14	3.6	0.22	3.3	1.2	0.45
13-Jun-11	1.5										
17-Jul-11	(1)	(1)	89.5	(1)	(1)	0.1	0.9	(4)	0.3	0.2	(4)
14-Aug-11	(1)	(1)	61.5	(1)	(1)	(4)	0.12	(4)	(4)	(4)	(1)
18-Sep-11	(1)	(1)	42.5	(1)	(1)	(4)	(4)	(4)	(4)	(4)	(1)
16-Oct-11		(1)	90.1	(1)	(1)	2.2	7.0	0.6	4.3	0.8	0.3
20-Nov-11			96.9			0.1	5.2	0.2	0.7	0.1	(4)
18-Dec-11	3.7	(1)	284.5	(2)	(2)	0.6		0.8	1.6	1.2	0.6
19-Dec-11											

**Table C-2 Surface Water Flow Summary - Extension Quarry Stations**

Date	SW3	SW4	SW6A	SW8	SW9	SW10	SW11	SW11A	SW11B	SW11C	SW11D
20-Dec-11											
15-Jan-12	(2)	(2)	174.6	(2)	(2)		17.6	(2)	(2)	(2)	(2)
19-Feb-12	(2)	(2)	164.9	(2)	(2)	0.5	4.4	(2)	(2)	(2)	(2)
18-Mar-12	13.7	(1)	981.3	0.12	12.2	1.2	3.8	5.1	5.1	1.3	4.6
20-Mar-12											
15-Apr-12	(1)	(1)	200.0	(1)	0.3	0.4	5.8	0.3	0.7	0.2	(4)
13-May-12	(1)	(1)	168.9	(1)	(4)	0.7	2.5	0.2	0.9	0.1	0.3
17-Jun-12	(1)	(1)	81.0	(1)	(1)	0.1	1.9	(4)	0.5	0.2	(1)
15-Jul-12	(1)	(1)		(1)	(1)	0.1		(1)	(4)		(1)
16-Jul-12			48.1				1.1			0.2	
12-Aug-12	(1)	(1)		(1)	(1)	0.6		0.2	0.4		
14-Aug-12							1.7			0.4	(4)
15-Aug-12			126.6								
16-Sep-12	(1)	(1)		(1)	(1)	0.2		(4)	(4)	0.1	(1)
18-Sep-12							1.3				
19-Sep-12			79.3								
14-Oct-12	(1)	(1)		(1)	(1)	0.32	1.1	(4)	(4)	(4)	(1)
17-Oct-12											
18-Oct-12			85.1								
18-Nov-12	4.7	(1)		(1)	(1)	0.3	10.1	1.0	1.3	0.9	0.2
20-Nov-12			245.1								
21-Nov-12											
12-Dec-12											
16-Dec-12	5.2	2.1		(1)	10.1	0.1	6.1	0.4	1.1	0.6	0.3
18-Dec-12											
20-Dec-12			257.4								
13-Jan-13		0.2		(1)	5.1	0.8	19.8	0.9	3.6	0.9	0.9
15-Jan-13	9.8		557.6								
16-Jan-13											
17-Feb-13	(2)	(2)		(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
20-Feb-13			190.7								
17-Mar-13		(2)		(2)	(2)	(2)					
19-Mar-13	5.5						19.8	0.3	1.3	1.2	0.5
20-Mar-13			363.6								
14-Apr-13											
15-Apr-13	18.3	1.3									
16-Apr-13			901.3		24.4						
17-Apr-13				0.1		1.1	42.8	5.1	12.5	4.8	4.3
12-May-13		(1)									0.3
13-May-13	7.2			(4)	11.8						
14-May-13			394.8			0.1	15.3	0.2	2.6	0.4	
16-Jun-13	(1)	(1)		(1)				0.1	0.5	0.2	0.2
18-Jun-13			252.6		0.8						

**Table C-2 Surface Water Flow Summary - Extension Quarry Stations**

Date	SW3	SW4	SW6A	SW8	SW9	SW10	SW11	SW11A	SW11B	SW11C	SW11D
19-Jun-13						(4)	4.0				
14-Jul-13	(1)	(1)		(1)	(1)			(4)	(4)	(4)	(4)
16-Jul-13						(4)	1.7				
17-Jul-13			157.3								
18-Aug-13	(1)	(1)	63.0	(1)	(1)			(4)	(4)	(4)	(4)
20-Aug-13											
21-Aug-13						0.11	1.0				
15-Sep-13	(1)	(1)		(1)	(1)	(4)		(4)	(4)	(4)	(4)
18-Sep-13			84.1				0.5				
19-Sep-13											
13-Oct-13	(1)	(1)		(1)	(1)			0.4			
16-Oct-13			183.8			0.7	3.2		2.4	0.7	0.9
17-Oct-13											
17-Nov-13				(1)							
19-Nov-13	6.2	1.0			6.4						
20-Nov-13			369.5			4.6	5.5	0.3	2.6	0.5	1.1
15-Dec-13		(2)		(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
17-Dec-13			262.4								
18-Dec-13											
19-Jan-14	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
21-Jan-14											
22-Jan-14											
16-Feb-14	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
19-Feb-14											
20-Feb-14											
16-Mar-14	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
18-Mar-14											
19-Mar-14											
13-Apr-14				(2)							
15-Apr-14	50.5	14.0			58.0						
16-Apr-14			1147.5								
17-Apr-14						6.7	47.5	1.3	10.9	23.9	2.2
11-May-14		(4)									
12-May-14	2.4			0.1	6.4						
13-May-14			413.9			0.2	10.9	0.5	2.7	1.6	1.2
15-Jun-14	(1)	(1)		(1)	(1)						
17-Jun-14			113.2								
18-Jun-14						0.5	12.5	2.6	7.1	4.5	8.0
13-Jul-14	(1)	(1)		(1)	(1)			(4)	(4)	(4)	(4)
14-Jul-14											
15-Jul-14			131.8			(4)					
16-Jul-14							1.1				
17-Aug-14	(1)	(1)		(1)	(1)	(1)		(4)	(4)	(4)	(4)

**Table C-2 Surface Water Flow Summary - Extension Quarry Stations**

Date	SW3	SW4	SW6A	SW8	SW9	SW10	SW11	SW11A	SW11B	SW11C	SW11D
18-Aug-14											
19-Aug-14			72.4				1.0				
7-Sep-14	(1)	(1)		(1)	(1)	(4)		(4)	(4)	(4)	(4)
8-Sep-14											
9-Sep-14			61.0				0.3				
19-Oct-14				(1)				(4)			
20-Oct-14											
21-Oct-14											
22-Oct-14	(1)	1.1	208.0								
23-Oct-14					1.5	(4)	2.3		0.1	0.4	0.2
16-Nov-14	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
19-Nov-14											
14-Dec-14		(2)		(2)	(2)	(2)					
16-Dec-14			277.6				2.8	0.6	0.1	0.4	0.3
17-Dec-14	3.0										
18-Jan-15	(2)	(2)	(2)	(2)	(2)	(2)		(2)	(2)	(2)	(2)
20-Jan-15							0.3				
21-Jan-15											
15-Feb-15	(2)	(2)	(2)	(2)	(2)	(2)					
15-Mar-15	(2)	(2)		(2)	(2)	(2)					(2)
18-Mar-15			172.4				5.3	0.2	0.9	(4)	
19-Mar-15											
21-Apr-15											
22-Apr-15	5.4	0.6	535.0				25.7	1.5	2.7	2.9	1.0
23-Apr-15				0.2	7.7	0.2					
17-May-15	(1)	(1)		(1)	(1)						
19-May-15			163.3			(4)	1.5	0.1	0.5	0.1	0.3
20-May-15											
14-Jun-15		(1)		(1)							
15-Jun-15	2.3					0.1	6.6	0.3	0.6	0.4	2.5
16-Jun-15			233.4		0.8						
19-Jul-15	(1)	(1)		(1)	(1)						
21-Jul-15											
22-Jul-15			64.2			0.2	5.3	0.3	0.2	0.3	0.1
9-Aug-15	(1)	(1)		(1)	(1)						
11-Aug-15						0.3	2.7	(4)	0.2	0.2	0.4
12-Aug-15			57.4								
23-Aug-15	(1)				(1)						
25-Aug-15			59.4			0.2	0.4	(4)	(4)	0.3	(4)
6-Sep-15	(1)	(1)		(1)	(1)						
8-Sep-15			31.3			(4)	0.8	0.3	0.2	0.1	0.2
9-Sep-15											
11-Oct-15	(1)	(1)		(1)	(1)			0.2	0.3		

**Table C-2 Surface Water Flow Summary - Extension Quarry Stations**

Date	SW3	SW4	SW6A	SW8	SW9	SW10	SW11	SW11A	SW11B	SW11C	SW11D
15-Oct-15			21.7				0.6			0.5	(4)
16-Oct-15						0.2					
8-Nov-15											
10-Nov-15						0.4					
15-Nov-15	(1)	(1)		(1)	(1)						
18-Nov-15			110.6			(4)	1.6	0.15	0.3	0.5	0.24
19-Nov-15											
6-Dec-15	(1)	(1)		(1)	(1)						
8-Dec-15			101.1								
9-Dec-15						0.3	1.1	0.1	1.0	0.3	0.1
17-Jan-16		(2)		(2)	(2)						
19-Jan-16	22.0		227.6				5.2	0.4	2.4	0.6	3.4
20-Jan-16						0.5					
14-Feb-16		(2)	(2)	(2)	(2)						
17-Feb-16	3.0						8.1	1.9	2.0	1.1	3.5
18-Feb-16						0.6					
13-Mar-16											
15-Mar-16	48.1	10.1	951.7	0.3	30.7	3.5	51.9	3.5	2.2	5.1	12.9
17-Apr-16				(4)							
20-Apr-16	10.6	0.4			8.5						
21-Apr-16			409.5			1.0	23.4	1.0	1.9	4.3	10.5
15-May-16				(1)							
17-May-16	4.0	0.6	302.8		5.5						
18-May-16						0.1	13.3	0.2	1.8	2.1	5.4
19-Jun-16	(1)	(1)		(1)	(1)						
22-Jun-16			86.7								
23-Jun-16						0.2	4.3	0.2	1.0	0.1	0.9
3-Jul-16											
5-Jul-16						0.2	12.2	0.1	0.8	0.1	0.4
17-Jul-16	(1)	(1)		(1)	(1)						
20-Jul-16			47.8								
21-Jul-16						0.2	2.1	0.1	0.7	0.1	0.3
7-Aug-16											
9-Aug-16						(4)	0.4	0.1	0.2	0.3	0.4
21-Aug-16	(1)	(1)		(1)	(1)						
24-Aug-16			38.2			(4)	0.8	(4)	0.4	0.3	0.3
25-Aug-16											
18-Sep-16	(1)	(1)		(1)	(1)			(4)	0.2		
19-Sep-16			30.9			0.1	1.1			0.4	0.3
16-Oct-16	(1)	(1)		(1)	(1)			(4)			
17-Oct-16			48.9								
18-Oct-16						0.2	0.4		(4)	0.3	0.1
24-Oct-16	(1)										

**Table C-2 Surface Water Flow Summary - Extension Quarry Stations**

Date	SW3	SW4	SW6A	SW8	SW9	SW10	SW11	SW11A	SW11B	SW11C	SW11D
25-Oct-16					(1)			(1)			
15-Nov-16			46.9			0.2					0.4
16-Nov-16							0.9		0.9	0.1	
18-Nov-16	(1)	(1)		(1)	(1)			(4)			
12-Dec-16	(1)	(1)	54.4	(1)	(1)	0.9	2.49	0.1	0.7	0.5	0.1
12-Jan-17											
22-Jan-17	(2)			(2)					3.8		
24-Jan-17		4.4	340.4								
25-Jan-17					4.03	1.5	12.88	4.7		1.25	10.3
15-Feb-17	(2)	(2)	163.3	(2)	(2)						
16-Feb-17											
17-Feb-17						0.7	8.52	0.1	1.7	0.7	3.3
19-Mar-17				(2)							
21-Mar-17	3.2	1.0	298.7								
22-Mar-17					7.7	1.6	23.42	0.6	2.6	0.5	7.5
16-Apr-17				(1)							
19-Apr-17	7.7	0.2	380.1		20.1	0.5	18.78	0.6	1.6	0.9	20.7
8-May-17											
9-May-17											
14-May-17				(1)							
16-May-17	5.5	0.6	487.2		5.0	1.7	33.4	0.8	0.3	2.0	14.5
28-Jun-17	2.5	1.4	457.4	(1)	2.1	1.7	21.5	0.2	1.4	1.1	5.5
7-Jul-17						0.4	2.4	0.2	3.0	0.1	0.8
18-Jul-17	1.1	(1)	236.7	(1)	(1)						
19-Jul-17						0.4	4.2	0.4	1.6	0.4	1.1
20-Jul-17											
27-Jul-17											
2-Aug-17						0.4	0.9	0.2	0.4	0.2	0.4
13-Aug-17	(1)	(1)		(1)	(1)						
15-Aug-17			148.7						0.5		
16-Aug-17						0.5	2.5	0.2		0.7	1.0
17-Sep-17	(1)	(1)		(1)	(1)						
18-Sep-17			100.2			0.2	1.31	0.1	0.4	0.4	0.2
19-Sep-17											
17-Oct-17	2.3	2.5	204.0	(1)	(1)						
18-Oct-17						0.5	7.4	0.2	0.7	0.7	0.3
14-Nov-17	0.9	3.1	190.9	(1)							
15-Nov-17					0.2	0.5	5.5	0.1	0.9	0.3	0.8
12-Dec-17	(2)			(2)	(2)						
14-Dec-17			219.0			0.2	5.71	0.5	1.7	0.8	2.0
17-Jan-18	(2)	(2)	381.9	(2)	(2)						
18-Jan-18						4.9	18.2	0.5	1.6	0.9	5.1
18-Feb-18											

**Table C-2 Surface Water Flow Summary - Extension Quarry Stations**

Date	SW3	SW4	SW6A	SW8	SW9	SW10	SW11	SW11A	SW11B	SW11C	SW11D
22-Feb-18	27.5	(6)	1793.4								
23-Feb-18						1.1	39.5	3.6	2.7	7.8	19.9
24-Feb-18				0.4	17.9						
18-Mar-18	(2)			(2)	(2)						
20-Mar-18		0.4	276.6								
21-Mar-18						0.3	13.7	0.8	0.4	0.8	4.1
18-Apr-18		5.4	502.4	(2)	(2)	(2)					
19-Apr-18							16.0	0.6	2.0	1.8	7.3
8-May-18											
9-May-18											
13-May-18				(1)							
14-May-18	3.6		324.8		20.1						
15-May-18		0.2				0.5	23.8	0.2	0.8	1.2	5.5
18-Jun-18			238.2			0.8	3.54	0.56	0.64	0.51	0.31
19-Jun-18	(1)				(1)						
20-Jun-18		(1)		(1)							
4-Jul-18						0.29	1.41		0.33	0.37	1.56
18-Jul-18	(1)				(1)						
19-Jul-18		(1)	1008.8	(1)		0.16	1.1	0.15	0.33	0.32	0.39
3-Aug-18						0.13	2.13	(1)	0.22	0.22	(4)
23-Aug-18	(1)	(1)	72.9	(1)	(1)						
24-Aug-18						0.1	1.0	(1)	0.2	0.2	0.2
19-Sep-18	(1)	(1)	26.9	(1)	(1)						
20-Sep-18							2.3	(1)	0.2	0.3	0.1
24-Oct-18	(1)	(1)	60.5	(1)	(1)						
25-Oct-18						0.3	0.9	(1)	0.1	0.2	
21-Nov-18			111.1	(1)	(1)						
22-Nov-18						0.1	2.3		0.4	0.2	0.2
12-Dec-18	(1)		187.9	(1)	0.5						
13-Dec-18						0.6	5.6	0.4	0.8	0.1	1.3
18-Jan-19		(2)	211.4	(2)	(2)						
19-Jan-19							6.4	0.6	0.9	1.9	2.4
26-Feb-19	(2)	(2)	(2)	(2)	(2)						
28-Feb-19						(2)	11.8	(2)	1.8	1.7	2.1
15-Mar-19	(2)	(2)	(2)	(2)	(2)						
19-Mar-19						1.7	21.1	2.4	1.7	1.5	9.9
24-Apr-19	19.8	5.7	985.0	(1)	5.9						
25-Apr-19						4.0	43.1	2.0	3.8	2.8	3.6
14-May-19											
16-May-19											
23-May-19	5.8	0.4	337.1	(1)	2.4						
27-May-19						0.7	12.0	0.9	1.0	0.7	2.6
18-Jun-19	0.1	(1)	149.3	(1)	(1)						



**Table C-2 Surface Water Flow Summary - Extension Quarry Stations**

Date	SW3	SW4	SW6A	SW8	SW9	SW10	SW11	SW11A	SW11B	SW11C	SW11D
21-Jun-19						0.8	5.3	0.2	0.8	0.7	1.1
29-Jul-19	(1)	(1)	45.2	(1)	(1)						
30-Jul-19						0.1	0.7	(1)	0.3	0.3	0.3
29-Aug-19	(1)	(1)	38.2	(1)	(1)						
30-Aug-19							1.4		(1)	(1)	(1)
26-Sep-19		(1)	46.2	(1)	(1)						
27-Sep-19						0.2	1.3		(1)	(1)	(1)
22-Oct-19						0.2	2.9		(1)	(1)	(1)
23-Oct-19	(1)	(1)	62.7	(1)	(1)						
21-Nov-19						(2)	6.2	(2)	(2)	(2)	(2)
22-Nov-19	(2)	(2)	75.5	(2)	(2)						
20-Dec-19	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
15-Jan-20	(2)	(2)	(2)	(2)	(2)						
24-Jan-20						(2)	5.7	(2)	(2)	(2)	(2)
20-Feb-20	(2)	(2)	(2)	(2)	(2)						
21-Feb-20						(2)	(2)	(2)	(2)	(2)	(2)
25-Mar-20						(2)	(1)	(1)	(1)	(1)	(1)
26-Mar-20	9.6	(1)	563.3	(2)	(2)						
27-Apr-20	(1)	(1)	237.6								
28-Apr-20							7.1				
19-May-20											
20-May-20											
28-May-20							14.7	0.9	1.4	0.4	2.7
29-May-20	5.0	(1)	166.9	(1)	(1)						
23-Jun-20	4.3	(1)	393.6	(1)	(1)						
24-Jun-20						1.7	(1)	(1)	(1)	(1)	(1)
30-Jul-20	(1)	(1)	134.5	(1)	(1)						
31-Jul-20						0.3	2.8	0.3	0.2	0.1	0.3
25-Aug-20	(1)	(1)		(1)							
26-Aug-20						(1)	1.5			0.3	0.5
25-Sep-20	(1)	(1)		(1)							
26-Sep-20						(1)	1.3			0.2	0.4
29-Oct-20						(1)	2.5			0.2	0.6
30-Oct-20	(1)	(1)	68.8	(1)	(1)						
26-Nov-20	(2)	(2)	66.5	(2)	(1)						
27-Nov-20						(2)	12.6	8.4	1.3	0.1	7.9
22-Dec-20						(2)	3.9	(2)	(2)	(2)	(2)
23-Dec-20	(2)	(2)	(2)	(2)	(2)						
27-Jan-21	(2)	(2)	(2)	(2)	(2)						
28-Jan-21						(2)	7.2	(2)	(2)	(2)	(2)
22-Feb-21	(2)	(2)	(2)	(2)	(2)						
23-Feb-21						(2)	1.2	(2)	(2)	(2)	(2)
29-Mar-21	18.5	15.0	436.3	(1)	(2)						

**Table C-2 Surface Water Flow Summary - Extension Quarry Stations**

Date	SW3	SW4	SW6A	SW8	SW9	SW10	SW11	SW11A	SW11B	SW11C	SW11D
30-Mar-21						1.4	15.7	0.9	1.6	0.9	3.6
27-Apr-21	38.8	4.6	418.5	(1)	6.1						
28-Apr-21						(1)	(4)	(4)	(4)	(4)	(4)
26-May-21						0.6	9.4	0.3	0.2	(4)	2.8
27-May-21	(4)	5.8	140.1	(1)	(1)						
22-Jun-21	(1)	(4)	19.7	(1)	(1)						
23-Jun-21						(1)	2.1	1.9	0.2	(4)	0.4
10-Jul-21						(1)	0.4	0.2	0.2	0.2	0.3
22-Jul-21	(1)	(4)	29.7	(1)	(1)						
23-Jul-21						(4)	1.6	0.1	0.1	0.2	(1)
11-Aug-21						0.1	0.4	0.5	(4)	(4)	0.1
25-Aug-21	(1)	(4)	61.6	(1)	(1)						
26-Aug-21						0.2	0.3	0.2	(4)	(4)	0.1
27-Sep-21						0.4	5.6	1.1	0.5	0.1	2.8
28-Sep-21	(1)	4.6	304.1	(1)							
26-Oct-21	1.5	8.2	250.1	(1)	(1)						
27-Oct-21						0.4	25.8	2.2	1.0	(4)	1.1
22-Nov-21						(2)	7.5	(2)	(2)	(2)	(2)
23-Nov-21	(2)	(2)	(2)	(2)	(2)						
21-Dec-21	(2)	(2)	(2)	(2)	(2)						
22-Dec-21						(2)	4.9	(2)	(2)	(2)	(2)
24-Jan-22	(2)	(2)	(2)	(2)	(2)	(2)	1.21	(2)	(2)	(2)	(2)
8-Feb-22	(2)	(2)	(2)	(2)	(2)	(2)	2.07	(2)	(2)	(2)	(2)
16-Mar-22	(2)	(1)	616.0		(2)	(2)	3.04	(2)	(2)	(2)	(2)
21-Apr-22	0.28	(1)	333.3		0.25	(4)	12.23	0.78	1.3	1.33	0.55
24-May-22		(1)		(1)		0.25					
25-May-22			192.6		(1)		19.13	0.36	0.42	0.1	0.31
26-May-22	(1)										
22-Jun-22				(1)	4.01						
24-Jun-22	(1)					(1)	5.1	1.3	0.37		2.68
25-Jun-22		(1)	27.0								
8-Jul-22						(1)	0.89	0.18	0.21	0.33	0.45
11-Aug-22						(1)	3.72	0.51	0.38	0.37	0.88
26-Aug-22		(1)	242.5	(1)	(1)	(1)					
29-Aug-22	(1)						12.64	0.53	0.41	1.23	0.61
30-Aug-22											
27-Sep-22	0.83	(1)	100.9	(1)	(4)	0.19					
29-Sep-22							(4)	(4)	0.2	(4)	(4)
26-Oct-22	(1)	(1)									
27-Oct-22						(4)	0.33	(1)	(4)	(4)	(4)
28-Oct-22			33.8	(1)	(1)						
21-Nov-22	(1)	(1)									
22-Nov-22							0.4	(1)	(4)	0.11	(4)

**Table C-2 Surface Water Flow Summary - Extension Quarry Stations**

Date	SW3	SW4	SW6A	SW8	SW9	SW10	SW11	SW11A	SW11B	SW11C	SW11D
23-Nov-22			38.4	(1)	(1)						
20-Dec-22		0.25	82.4								
21-Dec-22	(1)				(1)		0.39	(1)	(4)	0.17	(4)
24-Jan-23	(1)	(4)	486.0		(1)						
22-Feb-23		6.0	801.5		0.29						
27-Mar-23	19.56	10.21	1452.6		12.63						
28-Mar-23											
21-Apr-23	(4)	1.1	1924.0		7.17						
15-May-23											
16-May-23	(4)	(4)	915.3	(1)	(1)						
17-May-23						0.66	21.51	0.26	9.68	0.97	6.13
26-Jun-23	(1)	(1)	466.4				9.35	(4)	0.42	0.63	0.5
27-Jun-23				(1)	(1)	0.27					
11-Jul-23						0.11	2.42	1.07	0.94	0.16	1.36
25-Jul-23	(1)	7.46	582.3	(1)	(1)	0.36					
26-Jul-23							7.62	0.28	1.48	1.92	2.05
14-Aug-23						0.11	4.39	(4)	2.74	0.43	0.68
28-Aug-23	(1)	(1)									
29-Aug-23			287.1				1.35	(4)	0.16	1.13	0.28
30-Aug-23					(1)	2.31					
31-Aug-23											
25-Sep-23	(1)	(1)	288.9	(1)	(1)		0.46			0.31	(4)
26-Sep-23											
30-Oct-23	(1)	0.18									
31-Oct-23						(4)	0.67	(4)	0.34	0.28	0.12
1-Nov-23			77.4		(1)						
29-Nov-23	(2)	0.69	207.9		(1)						
18-Dec-23	(1)	9.82	376.0		(1)						

**Table C-2 Surface Water Flow Summary - Extension Quarry Stations**

Date	SW11E	SW13	SW14	SW15	SW16	SW17	SW17A	SW18	SW19	SW20	SW21
22-May-03	(6)	6.0	15.0		1.0	2.2	12.0	46.0	95.6	0.3	
23-Jun-03	2.5	4.67	6.2	0.45	1.6	1.47	10.4	11.8	40.5	3.0	
26-Jun-03											
22-Jul-03	1.4	2.8	2.8	2.9	0.33	1.62	9.48	13.3	19.1	0.72	1.9
20-Aug-03	1.9	2.2	2.2	1.2	(4)	0.97	4.06	4.0	38.3	0.2	1.6
25-Sep-03	0.4	1.9	3.0	0.84	(4)	0.11	1.89	1.6	21.3	(1)	1.4
22-Oct-03	2.2	2.7	6.2	1.1	2.5	2.6	3.3	25.8		0.4	2.1
23-Oct-03									68.3		
28-Nov-03	12.54	7.98	17.06	8.18	2.5	6.89	10.6	36.7	104.2	0.33	1.83
19-Dec-03	26.52	25.0	12.77	12.87	2.0	5.03	18.46	33.7		1.5	1.7
10-Feb-04			3.03	(2)	(2)	1.92	9.16	47.9		2.0	
11-Feb-04											0.87
12-Feb-04									71.6		
13-Feb-04	3.5	10.0									
16-Mar-04			48.95					48.7	209.3	5.0	
17-Mar-04						4.33	19.44				1.0
18-Mar-04	11.87	8.0		(2)	2.0						
19-Apr-04			46.25	1.88	40.36	13.26	72.36	123.6	507.9		
20-Apr-04											
21-Apr-04	21.99	30.0								18.93	1.42
19-May-04	5.85	11.22	14.17	1.78	3.35	4.61	15.41	31.3	133.2	3.98	2.05
24-Jun-04	3.42	6.41	1.79	1.42	0.6	1.9	11.98	20.5	48.2	1.54	1.1
29-Jul-04	0.77	3.31	1.05	1.42	1.87	0.51	5.86	9.2	25.1	2.46	1.84
23-Aug-04					(4)						
26-Aug-04	0.26	1.6	1.6	0.69		0.48	2.91	7.2	12.5	(4)	1.35
21-Sep-04	0.2			(4)	(4)						
22-Sep-04		0.58	(4)			0.4	3.51	3.8	9.3	(4)	0.15
23-Sep-04											
20-Oct-04	0.18	0.95	0.76	0.78	0.3	0.42	3.19	4.0	17.7		0.98
21-Oct-04										(1)	
16-Nov-04			1.3				4.26	4.6			
17-Nov-04				0.95	2.26	0.45				(1)	
18-Nov-04	0.35	1.1							28.8		0.98
15-Dec-04		(2)			(2)			(2)		(2)	(2)
16-Dec-04	1.05		2.53	1.52			5.42		82.1		
13-Jan-05											
16-Jan-05	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
13-Feb-05	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
27-Mar-05		50.0		(2)				(2)			
28-Mar-05											
29-Mar-05	33.0		5.48		4.13	3.23	14.69		171.4	3.26	2.0
30-Mar-05											
10-Apr-05											

**Table C-2 Surface Water Flow Summary - Extension Quarry Stations**

Date	SW11E	SW13	SW14	SW15	SW16	SW17	SW17A	SW18	SW19	SW20	SW21
11-Apr-05	61.0	80.0	70.68	5.3	26.96	17.5	68.57	207.2	700.0	19.25	3.9
22-May-05											
24-May-05	13.4		7.4	3.48	3.62	5.96	22.56	27.7	140.0	10.94	
26-May-05		8.19									1.32
26-Jun-05											
27-Jun-05	2.95				0.44	2.29	7.22	11.5			
28-Jun-05			2.94	0.24					29.0	2.42	0.82
29-Jun-05		9.97									
10-Jul-05											
11-Jul-05			2.13	1.03	0.49	1.39	6.07	6.6	9.6	0.75	
12-Jul-05	6.0	5.0									1.8
21-Aug-05											
22-Aug-05			1.12	1.43		0.2	5.19	4.4	8.1	0.5	
23-Aug-05	1.0	1.08									1.74
25-Sep-05											
27-Sep-05			1.29	0.44	0.1	0.19	3.1		9.3	0.1	
28-Sep-05											1.43
23-Oct-05										(1)	
24-Oct-05			1.69	1.92		0.24	3.58	5.9			
25-Oct-05	2.0	1.5							15.5		1.79
13-Nov-05										(1)	
14-Nov-05						0.25	2.9		9.1		
15-Nov-05				0.98				7.9			0.99
16-Nov-05	1.41	8.83	6.66								
11-Dec-05								(2)			
12-Dec-05			5.07	3.44	0.62	1.36	11.71		27.6	0.1	
13-Dec-05	1.4	6.49									2.26
14-Dec-05											
16-Dec-05						1.93					
15-Jan-06				(2)							
16-Jan-06									201.8		
17-Jan-06			15.6		13.02	3.74	17.32	31.6		3.35	12.11
18-Jan-06	22.4	19.58									
19-Feb-06	(2)	(2)	(2)	(2)	(2)	(2)	(2)	10.0	(2)	(2)	(2)
19-Mar-06				(2)							
20-Mar-06			25.05					78.2	429.2	11.2	
21-Mar-06						13.21					
22-Mar-06					12.37		37.2				0.99
24-Mar-06	30.37	37.33									
31-Mar-06											
7-Apr-06											
13-Apr-06											
16-Apr-06											

**Table C-2 Surface Water Flow Summary - Extension Quarry Stations**

Date	SW11E	SW13	SW14	SW15	SW16	SW17	SW17A	SW18	SW19	SW20	SW21
18-Apr-06			19.51	5.65	4.63	24.48	48.75	80.7	229.9	10.74	
19-Apr-06	29.38	30.0									4.05
21-May-06											
23-May-06				3.51	3.35	6.43	17.12	44.8	144.9	5.09	3.36
24-May-06	19.91	13.81	8.81								
18-Jun-06											
20-Jun-06				2.49	0.92	4.42	8.58	11.9	35.5	3.79	3.61
21-Jun-06	16.69	3.4									
23-Jun-06			1.6								
9-Jul-06											
10-Jul-06									15.2		
11-Jul-06			2.98	1.48	0.1	1.68	5.57	8.3		2.23	2.47
12-Jul-06	3.67	2.4									
20-Aug-06					(1)						
21-Aug-06											
22-Aug-06									3.8		
23-Aug-06			0.38	1.01		1.03	3.25	3.5		0.6	2.14
24-Aug-06	1.91	0.81									
17-Sep-06					(1)						
20-Sep-06			1.88	2.22		2.85	6.32	15.9		0.67	4.26
21-Sep-06	1.94	0.9							15.0		
25-Sep-06	0.88										
27-Sep-06								6.3			
28-Sep-06											
15-Oct-06											
17-Oct-06											
18-Oct-06									66.7	0.32	
19-Oct-06	5.21	2.15	4.95	1.75	0.56	1.4	6.53	12.9			4.19
17-Nov-06											
19-Nov-06											
23-Nov-06	17.15	26.49									1.98
24-Nov-06											
27-Nov-06			10.59	1.46	7.13	4.36	14.07	33.5	107.5	4.03	
17-Dec-06	23.24	37.41	17.79	1.31	12.29	6.74	19.86	62.5	183.8	7.38	0.96
23-Dec-06											
21-Jan-07	37.0	48.0	(2)	(2)	(2)	2.44	15.46	(2)	79.9	7.66	(2)
18-Feb-07	6.17	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	2.72	(2)
18-Mar-07	17.51	(2)		(2)		9.21	27.36	50.5	408.9	8.62	(2)
15-Apr-07											
16-Apr-07					10.53	28.74	34.66		346.6	18.97	1.23
17-Apr-07	59.27	33.78	14.3	2.12				102.5			
13-May-07	15.27	5.64	4.11	2.24	2.38	2.82	24.56	30.9	228.3	9.58	2.56
15-May-07											

**Table C-2 Surface Water Flow Summary - Extension Quarry Stations**

Date	SW11E	SW13	SW14	SW15	SW16	SW17	SW17A	SW18	SW19	SW20	SW21
17-Jun-07	0.9	5.6	1.74	1.33	(4)	0.56	10.5	21.0	49.5	1.88	1.48
18-Jun-07											
15-Jul-07	0.73	3.91	0.51	0.82	(1)	0.31	2.89	7.1	12.8	3.61	2.77
18-Jul-07											
19-Aug-07	3.53	1.65	1.08	0.71	(1)	0.13	0.93	5.4	5.3	0.43	1.11
22-Aug-07											
16-Sep-07					(1)					0.1	1.71
17-Sep-07	2.28	1.48	1.3	0.44		0.25	1.18	4.3	10.2		
18-Sep-07											
14-Oct-07					(1)					(1)	
18-Oct-07	0.6	0.18	0.31			0.36	2.25				0.67
19-Oct-07				0.45				3.3	21.7		
18-Nov-07										(1)	
19-Nov-07	0.33	1.58			0.1	0.58	2.21				
21-Nov-07			6.93	1.13				33.5	228.5		4.32
9-Dec-07		(2)	(2)		(2)	(2)				(2)	2.45
10-Dec-07				0.69			2.6				
11-Dec-07	3.15										
12-Dec-07								11.3	106.9		
20-Jan-08		(2)		(2)							
21-Jan-08			12.63		39.5	1.43	35.13	36.1		22.15	1.08
22-Jan-08	10.42								243.1		
17-Feb-08			(2)	(2)							
19-Feb-08					16.7	7.58	21.79	77.1		10.83	1.16
20-Feb-08	17.41	35.3							1019.2		
16-Mar-08			(2)	(2)							
17-Mar-08	12.75	20.88			15.6	1.76	11.69	66.0		6.22	2.71
18-Mar-08											
19-Mar-08									229.2		
30-Mar-08											
1-Apr-08				34.49	167.27	7.01	50.1			24.49	68.81
2-Apr-08	50.16	107.8	67.11					159.6	580.3		
4-Apr-08											
7-Apr-08											
20-Apr-08											
21-Apr-08			41.38	1.49							
23-Apr-08	65.41	98.04			34.01	5.5	35.2	178.3		13.86	3.49
24-Apr-08									427.1		
6-May-08											
18-May-08											
20-May-08			14.44	0.45						8.71	
21-May-08					4.54	1.28	9.58	41.5	226.4		1.82
22-May-08	20.16	36.53									

**Table C-2 Surface Water Flow Summary - Extension Quarry Stations**

Date	SW11E	SW13	SW14	SW15	SW16	SW17	SW17A	SW18	SW19	SW20	SW21
15-Jun-08											
17-Jun-08	9.82	11.54				2.86	10.97			2.96	0.5
18-Jun-08			4.03	0.3	1.92			15.6	120.1		
13-Jul-08				(1)							
15-Jul-08	0.2	3.3	0.6		0.4	0.2	2.4	11.7	31.0	1.05	0.1
16-Jul-08											
17-Aug-08											
18-Aug-08					0.55	1.1	5.9	14.6		2.6	
19-Aug-08	1.8	3.98	6.1	0.1					74.8		0.19
12-Sep-08											
14-Sep-08											
16-Sep-08	6.3	10.24				3.22	5.9		202.7	0.59	1.15
17-Sep-08			7.0	0.6	0.85			31.6			
19-Oct-08											
20-Oct-08					0.72			13.6		2.72	
21-Oct-08						2.67	4.12				1.38
22-Oct-08	2.2	20.4	10.2	0.52					104.9		
23-Nov-08	12.2	35.6	13.35		(2)	5.12	24.5	44.3	(2)	2.7	2.99
14-Dec-08	41.0	55.75	54.0	(2)	6.96	2.39	14.43	114.8	446.9	14.23	0.49
18-Jan-09	3.4	(2)	(2)	(2)	(2)	1.8	35.4	(2)	(2)	25.6	0.75
8-Feb-09	46.5	142.7	(2)	(2)	9.65	1.88	16.4	73.7	(5)	3.6	2.2
15-Mar-09	109.7	107.6	43.4	4.6	12.1	6.6	23.2	150.6	1522.2	13.9	2.8
12-Apr-09	55.2	60.7	44.7	5.4	8.1	6.1	16.6	203.8	794.0	29.3	2.5
17-May-09	18.1	29.9	11.2	0.3	3.2	2.7	12.5	65.3	157.1	2.6	1.6
14-Jun-09	2.1	9.8	7.1	(4)	5.7	1.6	3.9	30.0	109.4	1.5	0.7
12-Jul-09	0.7	3.4	1.9	0.15	0.55	0.54	15.3	23.5	26.4	1.4	0.83
9-Aug-09	0.98	18.8	3.8	(4)	(1)	1.0	2.5	7.0	93.3	3.0	8.1
13-Sep-09	0.18	1.3	0.54	(4)	(1)	1.8	1.05	4.6	6.7	0.2	0.6
11-Oct-09	3.5	8.3	3.6	0.3	1.0	1.7	2.6	13.0	164.4	0.4	1.4
15-Nov-09	0.69	4.6	0.86	0.16	4.2	3.5	5.2	8.8	71.2	2.4	1.85
13-Dec-09	1.22	4.91	6.2	0.64	(2)	1.1	1.8	18.1	174.8	2.4	0.21
17-Jan-10	3.6		(2)	(2)	(2)	(2)	0.6	(2)	227.8	3.9	(2)
7-Feb-10	1.09	(2)	(2)	(2)	(2)	0.89	2.6	(2)	(2)	6.7	0.2
14-Mar-10	57.5	125.8	100.6	15.9	26.0	6.92	12.8	332.6	1785.5	4.75	7.25
4-Apr-10											
11-Apr-10	18.2	29.6	15.7	0.5	2.9	3.3	15.1	67.6	227.1	14.0	1.2
16-May-10	21.0	36.4	28.6	0.6	5.7	4.6	26.8	128.1	299.3	7.8	1.6
23-May-10											
13-Jun-10	10.6	24.3	27.6	0.6	6.3	4.6	10.5	78.5	441.1	8.6	1.1
18-Jul-10	21.8	31.4	45.0	0.7	7.3	2.7	7.3	58.4	101.7	3.0	2.8
19-Jul-10											
15-Aug-10	0.6	3.0	1.33	(1)	0.7	2.6	6.4	10.3	26.4	7.76	0.2
12-Sep-10	0.8	2.1	0.77	(1)	(1)	1.12	2.34	2.4	36.0	0.7	0.2



**Table C-2 Surface Water Flow Summary - Extension Quarry Stations**

Date	SW11E	SW13	SW14	SW15	SW16	SW17	SW17A	SW18	SW19	SW20	SW21
17-Oct-10	2.3	18.5	5.6	0.7	0.2	1.9	5.4	26.6	249.1	1.4	0.5
21-Oct-10											
14-Nov-10	32.1	54.9	16.6	0.5	1.0	4.1	6.2	25.2	705.7	6.6	1.4
19-Dec-10	8.7	(2)	(2)	(2)	2.4	1.1	5.5	9.3	328.4	0.8	(2)
15-Jan-11										2.1	
16-Jan-11	3.0				6.1	4.1	12.3			7.0	
20-Feb-11	4.6						11.6		361.0	10.2	0.1
13-Mar-11	22.5	72.6	38.2	(2)	17.4	5.7	14.1	115.1	385.2	9.1	3.6
17-Mar-11											
18-Mar-11											
20-Mar-11		76.8	47.8	5.9		7.8	48.3	108.6	901.9		
22-Mar-11											
1-Apr-11											
5-Apr-11											
8-Apr-11											
12-Apr-11											
15-Apr-11											
17-Apr-11	28.0	28.2	31.1	0.6	4.9	2.9	29.9	102.3	1452.8	11.0	0.8
18-Apr-11											
20-Apr-11								243.0			
21-Apr-11											
26-Apr-11											
29-Apr-11											
3-May-11											
6-May-11											
10-May-11											
13-May-11											
15-May-11	48.3	80.4	49.5	1.6	11.1	2.7	30.7	144.0	686.4	21.3	3.3
16-May-11											
18-May-11											
19-May-11											
20-May-11											
27-May-11											
3-Jun-11											
12-Jun-11	8.1	8.6	10.0	0.4	2.7	0.5	22.1	23.8	198.1	6.6	0.8
13-Jun-11											
17-Jul-11	1.1	6.6	1.1	(1)	4.0	0.3	4.7	12.0	23.4	2.1	(4)
14-Aug-11	0.1	0.6	0.6	(1)	3.0	0.3	0.5	3.0	14.5	0.8	(4)
18-Sep-11	1.0	1.3	0.5	(1)	3.7	1.5	1.2	3.1	27.5	0.4	(1)
16-Oct-11	42.5	131.0	98.4	0.13	1.75	2.36	1.52	9.3	101.6	0.25	0.17
20-Nov-11	2.5	12.5	3.1	0.6	2.8	1.2	4.1	8.6	87.3	0.37	0.2
18-Dec-11	15.5	36.0	23.3	0.82		3.1	4.5	37.4	277.9	3.1	1.5
19-Dec-11					7.8						

**Table C-2 Surface Water Flow Summary - Extension Quarry Stations**

Date	SW11E	SW13	SW14	SW15	SW16	SW17	SW17A	SW18	SW19	SW20	SW21
20-Dec-11											
15-Jan-12	24.1	21.3	(2)	(2)	(2)	5.6	27.5	(2)	(2)		(2)
19-Feb-12	11.1	12.8	(2)	(2)	6.5	1.9	2.4	15.5	178.0	2.0	(2)
18-Mar-12	47.7	71.8	37.9	1.5	15.7	11.0		95.4	426.3	8.8	1.6
20-Mar-12							53.6				
15-Apr-12	7.4	7.7	6.5	(4)	3.0	1.6	14.7	29.5	105.0	2.85	0.1
13-May-12	6.3	15.4	11.6	(4)	6.9	1.9	10.7	25.3	87.1	2.7	0.13
17-Jun-12	3.1	4.3	2.8	(1)	1.8	0.3	6.9	15.0	40.7	0.6	(1)
15-Jul-12				(1)							(1)
16-Jul-12	1.8	2.4	1.2		0.5	0.2	1.7	3.8	14.4	0.3	
12-Aug-12											
14-Aug-12	12.9	13.2	7.7	0.6	3.5	2.8	3.1	23.2		1.0	0.7
15-Aug-12									117.3		
16-Sep-12											
18-Sep-12	0.4	3.8	4.3	0.1	3.0	0.9	2.0	13.1		0.6	0.2
19-Sep-12									46.3		
14-Oct-12	0.5										
17-Oct-12			11.08	0.33	2.8	0.9	4.5	14.6		1.2	0.6
18-Oct-12		4.9							82.0		
18-Nov-12	14.9										
20-Nov-12		10.9	19.6	0.8	5.1	2.3	14.5	46.3		6.9	0.4
21-Nov-12									219.4		
12-Dec-12											
16-Dec-12	13.9						11.0				
18-Dec-12			17.5	1.2	4.5	1.9		57.6	291.9	2.8	0.8
20-Dec-12		15.4									
13-Jan-13	29.1										
15-Jan-13				6.8					447.7	6.9	1.3
16-Jan-13		111.9	35.7		21.8	8.0	23.4	78.1			
17-Feb-13	(2)	(2)	(2)	(2)	(2)			(2)	(2)		(2)
20-Feb-13						8.0	17.0			4.0	
17-Mar-13				(2)	(2)			(2)			(2)
19-Mar-13	17.9	32.8	25.1						288.0	6.8	
20-Mar-13						4.0	36.1				
14-Apr-13											
15-Apr-13											
16-Apr-13				2.9	100.4	3.1	58.7	166.7	1180.9	11.8	1.6
17-Apr-13	47.4	131.3	66.5								
12-May-13											
13-May-13				0.7	1.6	2.0	27.6	25.6		2.8	0.7
14-May-13	16.6	14.8	19.9						234.5		
16-Jun-13											
18-Jun-13										2.6	

**Table C-2 Surface Water Flow Summary - Extension Quarry Stations**

Date	SW11E	SW13	SW14	SW15	SW16	SW17	SW17A	SW18	SW19	SW20	SW21
19-Jun-13	7.9	8.4	17.0	0.2	1.0	0.4	5.4	28.0	120.0		0.5
14-Jul-13				(4)							
16-Jul-13	1.4	6.9	10.9		0.9	0.3	5.7	14.1		2.4	(4)
17-Jul-13									124.4		
18-Aug-13				(4)							0.3
20-Aug-13									21.3		
21-Aug-13	2.0	0.9	3.4		1.4	1.3	3.4	3.3		0.4	
15-Sep-13				(1)							0.1
18-Sep-13	0.9	1.2	0.9		1.3	0.9	2.64	10.7	43.1	0.8	
19-Sep-13											
13-Oct-13											
16-Oct-13	6.5	12.4	10.9	0.8	3.4	0.7	4.3	32.2		3.5	0.4
17-Oct-13									137.6		
17-Nov-13											
19-Nov-13				0.9	7.9	7.1	12.8	50.5		9.9	4.7
20-Nov-13	19.0	28.1	20.3						207.1		
15-Dec-13			(2)	(2)		(2)		(2)	(2)		(2)
17-Dec-13										1.9	
18-Dec-13	12.9	9.2			3.8		11.3				
19-Jan-14			(2)	(2)	(2)	(2)	(2)	(2)	(2)		(2)
21-Jan-14	9.5									3.1	
22-Jan-14											
16-Feb-14			(2)	(2)	(2)	(2)	(2)	(2)	(2)		(2)
19-Feb-14	3.9	11.1									
20-Feb-14										10.4	
16-Mar-14			(2)	(2)	(2)	(2)	(2)	(2)	(2)		(2)
18-Mar-14										1.6	
19-Mar-14	5.5	7.1									
13-Apr-14											
15-Apr-14										17.1	
16-Apr-14				6.7	17.2	7.2	123.5	261.7	1825.7		4.9
17-Apr-14	51.4	108.5	108.6								
11-May-14											
12-May-14						7.3				10.0	
13-May-14	13.5	45.5	29.3	0.4	10.3		32.5	64.3	284.6		0.2
15-Jun-14				(1)							(4)
17-Jun-14					0.9	1.7	8.0			1.6	
18-Jun-14	10.5	6.4	2.1					31.7	222.2		
13-Jul-14											0.13
14-Jul-14										0.7	
15-Jul-14			2.6	(4)	7.1	0.9	18.3	47.4	225.6		
16-Jul-14	2.3	5.2									
17-Aug-14			(1)								0.2

**Table C-2 Surface Water Flow Summary - Extension Quarry Stations**

Date	SW11E	SW13	SW14	SW15	SW16	SW17	SW17A	SW18	SW19	SW20	SW21
18-Aug-14										0.5	
19-Aug-14	0.2	1.2		3.2	1.6	0.6	2.2	6.1	52.9		
7-Sep-14											0.1
8-Sep-14										0.2	
9-Sep-14	1.1	1.5	0.6	0.1	0.2	1.0	2.3	2.3	31.5		
19-Oct-14											0.5
20-Oct-14											
21-Oct-14									117.1		
22-Oct-14				0.1							
23-Oct-14	11.2	21.2	0.8		1.2	2.6	3.7	16.3		0.1	
16-Nov-14			(2)	(2)	(2)	(2)	(2)	(2)		0.2	(2)
19-Nov-14	5.4	4.5									
14-Dec-14			(2)								
16-Dec-14	9.7	0.1		1.1	1.3	1.4	7.0			6.1	0.4
17-Dec-14								61.1			
18-Jan-15			(2)	(2)	(2)	(2)		(2)			(2)
20-Jan-15	19.2	7.9					4.9			3.6	
21-Jan-15											
15-Feb-15					(2)			(2)			
15-Mar-15		(2)	(2)	(2)	(2)	(2)		(2)			(2)
18-Mar-15	19.2						15.6			4.6	
19-Mar-15											
21-Apr-15										12.7	
22-Apr-15	28.9	28.7	16.4	2.5	2.0	3.5	32.8	99.4			1.5
23-Apr-15									556.5		
17-May-15											
19-May-15	25.9	3.4	6.8	1.0	0.6	2.6	7.1	40.0		2.6	(4)
20-May-15									138.8		
14-Jun-15											
15-Jun-15			12.6	0.8	5.0	2.0	8.9	22.4	155.5	5.2	0.8
16-Jun-15	25.9	17.9									
19-Jul-15											
21-Jul-15	25.9			0.3	0.5	0.6	8.5	13.3	78.0	1.7	0.5
22-Jul-15		6.1	4.3								
9-Aug-15				(1)							
11-Aug-15	1.2	3.4	5.3		0.3	1.4	3.3	8.4		0.6	(4)
12-Aug-15									52.4		
23-Aug-15				(1)							
25-Aug-15	0.9		1.3		0.3	0.8	4.8	8.2			
6-Sep-15				(1)							(4)
8-Sep-15	0.7	3.5	1.9		0.4	0.7	2.2	4.4		0.7	
9-Sep-15									185.0		
11-Oct-15				(1)							(1)

**Table C-2 Surface Water Flow Summary - Extension Quarry Stations**

Date	SW11E	SW13	SW14	SW15	SW16	SW17	SW17A	SW18	SW19	SW20	SW21
15-Oct-15	0.3	0.6	0.4		0.3	0.9	1.2	2.5		0.1	
16-Oct-15									17.4		
8-Nov-15											
10-Nov-15											
15-Nov-15											
18-Nov-15	2.7	13.9	3.85	0.4	2.5	2.2	1.8	25.5		0.59	0.37
19-Nov-15									47.6		
6-Dec-15											
8-Dec-15					4.1	1.4	3.8	11.3	120.6	0.9	0.6
9-Dec-15	2.3	3.6	2.5	0.5							
17-Jan-16		(2)									
19-Jan-16					7.8	3.1	4.2		395.1	2.2	2.2
20-Jan-16	6.9		11.5	1.1							
14-Feb-16		(2)	(2)	(2)					(2)		
17-Feb-16	5.2				2.3	2.9	13.0	39.5		3.6	2.1
18-Feb-16											
13-Mar-16									(5)		
15-Mar-16	77.0	166.1	175.4	5.3	28.5	57.3	64.3	218.8		20.0	1.9
17-Apr-16											
20-Apr-16										27.0	
21-Apr-16	35.4	74.6	64.7	1.2	14.1	3.8	29.6	136.8	514.8		2.0
15-May-16											
17-May-16									394.9	7.2	
18-May-16	11.2	19.5	30.3	0.8	9.3	2.9	25.3	57.2			2.2
19-Jun-16				(1)							(4)
22-Jun-16					1.9	2.0	9.6	19.5	46.0	3.5	
23-Jun-16	17.0	7.9	1.2								
3-Jul-16											
5-Jul-16	2.0										
17-Jul-16				(1)							
20-Jul-16					0.2	0.6	4.0	5.9	35.8	1.1	
21-Jul-16	2.7	1.3	3.5								0.1
7-Aug-16											
9-Aug-16	1.5										
21-Aug-16											
24-Aug-16	1.2	2.9	1.5	0.1	1.8	0.7	6.6	5.2		0.5	0.7
25-Aug-16									11.7		
18-Sep-16											
19-Sep-16	1.0	5.4	2.3	0.5	1.4	1.9	3.2	3.6	9.4	0.4	0.7
16-Oct-16											
17-Oct-16									15.8	0.3	
18-Oct-16	1.0	1.8	1.9	0.6	4.5	0.7	4.9	5.5			0.6
24-Oct-16											

**Table C-2 Surface Water Flow Summary - Extension Quarry Stations**

Date	SW11E	SW13	SW14	SW15	SW16	SW17	SW17A	SW18	SW19	SW20	SW21
25-Oct-16											
15-Nov-16				0.5	1.2	0.8	1.8	9.3	12.5	0.2	
16-Nov-16	1.6	2.1	2.3								1.0
18-Nov-16											
12-Dec-16	1.9	0.3	3.7	1.8	0.8	0.8	4.8	17.4	41.2	0.6	2.4
12-Jan-17											
22-Jan-17											
24-Jan-17				3.8	7.9	4.4	21.6		440.5	4.9	
25-Jan-17	19.5	26.9	39.6					76.8			3.7
15-Feb-17			(2)	(2)							
16-Feb-17					4.4	3.3	13.8			1.9	
17-Feb-17	6.5								131.1		
19-Mar-17											
21-Mar-17				1.2	6.3	2.6	20.6	70.7		8.0	
22-Mar-17	10.9	3.6	19.6						300.9		3.8
16-Apr-17											
19-Apr-17	32.0	51.6	46.1	1.3	12.2	8.8	37.1	77.7	420.3	10.5	2.8
8-May-17											
9-May-17											
14-May-17											
16-May-17	19.5	13.0	23.1	1.9	2.5	19.6	45.0	79.0	200.4	14.8	4.5
28-Jun-17	17.9	34.0	43.9	2.2	5.2	14.5	55.3	49.4	210.8	9.3	1.7
7-Jul-17	8.9										
18-Jul-17										3.2	
19-Jul-17	4.9	11.6	6.1	0.4	2.2	2.1	19.1	28.5	100.5		1.4
20-Jul-17											
27-Jul-17											
2-Aug-17	4.3										
13-Aug-17											
15-Aug-17					0.8	0.6	8.4	13.8		2.1	
16-Aug-17	1.8	7.2	5.8	0.3					32.1		1.0
17-Sep-17	1.8								33.1	1.1	
18-Sep-17		6.7	10.7	0.5	1.5	0.6	7.0	10.5			
19-Sep-17											0.9
17-Oct-17					4.4	3.8	7.9	22.6		1.4	
18-Oct-17	3.1	7.3	18.4	1.9					90.9		2.3
14-Nov-17					6.3	4.0	8.7	29.3	147.1	2.3	
15-Nov-17	6.0	11.2	13.8	1.3							1.4
12-Dec-17				(2)	(2)						
14-Dec-17	7.8	18.7	14.5			6.0	16.3	27.8	119.4	2.3	2.5
17-Jan-18				(2)	(2)				263.6	6.0	(2)
18-Jan-18	21.9	26.7	29.4			4.9	23.4	61.3			
18-Feb-18											

**Table C-2 Surface Water Flow Summary - Extension Quarry Stations**

Date	SW11E	SW13	SW14	SW15	SW16	SW17	SW17A	SW18	SW19	SW20	SW21
22-Feb-18											
23-Feb-18	52.6	76.9	101.6	3.5						17.4	2.6
24-Feb-18					17.8	31.2	70.5	159.0	468.9		
18-Mar-18											
20-Mar-18									267.7	6.1	
21-Mar-18	7.7	41.0	12.4	0.9	2.9	6.3	24.0	34.6			1.0
18-Apr-18									598.0	10.0	
19-Apr-18	15.3	23.4	43.8	3.5	13.6	12.1	42.8	95.1			2.2
8-May-18											
9-May-18											
13-May-18											
14-May-18									251.5	5.6	
15-May-18	51.9	25.3	35.2	2.4	22.1	13.4	50.7	160.6			2.2
18-Jun-18	2.67	4.16	10.43	0.47	1.32	3.6	6.84	23.8	47.1	0.49	3.48
19-Jun-18											
20-Jun-18											
4-Jul-18	1.39										
18-Jul-18				(1)							
19-Jul-18	0.69	2.2	2.98		2.27	1.77	13.58	4.5	13.2	1.11	
3-Aug-18	1.11										
23-Aug-18			2.5	0.1	2.1	0.4	3.8	3.8	49.5		
24-Aug-18	0.7	2.0								0.4	0.3
19-Sep-18			0.6	(1)	0.8	0.4	2.4	4.7	8.6	0.1	
20-Sep-18	0.3	0.4									
24-Oct-18									45.7		
25-Oct-18	1.3	1.0	4.8	0.5	2.5	27.2	3.4	6.1		0.1	0.4
21-Nov-18									60.0		
22-Nov-18	4.2	6.7	5.6	0.7	2.5	1.2	6.6			1.3	(1)
12-Dec-18		13.0									
13-Dec-18	7.5			0.8	5.1	2.2	17.7	25.3	127.0	6.1	0.8
18-Jan-19				(2)							(2)
19-Jan-19	5.9			(2)		4.1	16.3			4.2	(2)
26-Feb-19									(2)	(2)	
28-Feb-19	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)			(2)
15-Mar-19		16.5							(1)		
19-Mar-19	13.0		42.5	(1)	(1)	14.8	24.6	61.9		15.5	1.2
24-Apr-19											
25-Apr-19	78.3	(1)	189.8	31.8	84.1	32.1	145.4			28.9	1.8
14-May-19											
16-May-19											
23-May-19											
27-May-19	12.0		18.1	1.0	7.4	4.8	25.2	54.9	188.8	4.7	1.4
18-Jun-19		10.5									

**Table C-2 Surface Water Flow Summary - Extension Quarry Stations**

Date	SW11E	SW13	SW14	SW15	SW16	SW17	SW17A	SW18	SW19	SW20	SW21
21-Jun-19	6.5		9.3	0.4	6.3	2.4	13.6	27.5	82.2	2.5	1.1
29-Jul-19		1.8									
30-Jul-19	1.3		4.7	(1)	2.1	0.7	4.9	9.9	3.5	0.8	0.2
29-Aug-19		2.2									
30-Aug-19	7.5		2.3	(1)	1.6	0.5	2.1	4.3	6.5	0.7	0.2
26-Sep-19		3.6								(1)	
27-Sep-19	1.0		3.0	(1)	1.5	1.4	3.4	8.1	7.9		0.2
22-Oct-19	3.3		2.7	(1)	0.3	2.4	3.9	2.4	10.6		0.3
23-Oct-19		2.6								(1)	
21-Nov-19	6.6		3.1	(2)	0.3	2.2	2.4	0.9	10.4	(1)	1.1
22-Nov-19		0.7									
20-Dec-19	(2)	(2)	(2)	(2)	0.1	(2)	(2)	(2)	(2)	(2)	(2)
15-Jan-20									(2)	(2)	
24-Jan-20	8.5	(2)	(2)	(2)	(2)	5.1	2.4	(2)			(2)
20-Feb-20									(2)	(2)	
21-Feb-20	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)			(2)
25-Mar-20	(1)	(2)	(2)	(2)	(1)	42.3	11.8	(2)		9.6	(2)
26-Mar-20									(1)		
27-Apr-20		12.0									
28-Apr-20	10.4			27.1		21.7	7.4	54.5	98.9	10.3	
19-May-20											
20-May-20											
28-May-20	10.1	(1)	19.5	0.9	29.9	4.1	17.0	147.3	191.1	5.5	(1)
29-May-20											
23-Jun-20											
24-Jun-20	(1)	(1)	81.6	0.7	6.4	8.3	12.7	7.0	201.1	2.3	(1)
30-Jul-20											
31-Jul-20	3.5	(1)	7.2	0.1	0.4	2.7	4.4	15.6	50.4	1.5	
25-Aug-20											
26-Aug-20	2.7				(1)	4.4	1.1	8.4	20.6		
25-Sep-20										0.9	
26-Sep-20	0.7			1.3	2.3	6.3	5.9	27.6	23.2		
29-Oct-20	1.7		24.3	1.4	6.1	6.8	6.3	20.1	28.2	1.4	0.3
30-Oct-20		40.3									
26-Nov-20		53.6								(2)	
27-Nov-20	25.5		45.4	3.9	4.3	1.1	10.7	7.6			0.5
22-Dec-20	13.4		44.8	1.1	(2)	4.7	15.0	7.8			6.1
23-Dec-20		21.4								(2)	
27-Jan-21		11.2	(2)	(2)	(2)	3.0	1.6	(2)	(2)	(2)	(2)
28-Jan-21	5.1										
22-Feb-21			(2)	(2)	(2)	(2)	26.7	(2)		(2)	(2)
23-Feb-21	(2)										
29-Mar-21		16.5	26.1	13.0	11.1	4.4	84.3	69.5	204.0	13.6	2.4



**Table C-2 Surface Water Flow Summary - Extension Quarry Stations**

Date	SW11E	SW13	SW14	SW15	SW16	SW17	SW17A	SW18	SW19	SW20	SW21
30-Mar-21	12.1										
27-Apr-21		(1)	12.3	11.0	16.6	19.7	83.9	72.6	(1)	19.3	1.4
28-Apr-21	22.6										
26-May-21	6.1										
27-May-21		8.2	9.4	(4)	(4)	2.0	13.0	31.5	(4)	2.9	0.2
22-Jun-21		3.4	10.6	(1)	(4)	7.8	7.2	40.1	17.1	0.8	(1)
23-Jun-21	2.1										
10-Jul-21	2.0										
22-Jul-21		4.5	3.4	0.4	0.6	3.6	3.8		32.2	0.2	(1)
23-Jul-21	1.7										
11-Aug-21	1.4										
25-Aug-21		4.8			(4)	1.1	3.8		(4)	0.5	(1)
26-Aug-21	1.3										
27-Sep-21	9.5										
28-Sep-21		9.5			1.9	5.67	5.78		162.1	2.5	(1)
26-Oct-21		14.2			3.5	9.0	8.4		136.0	3.3	1.0
27-Oct-21	19.8										
22-Nov-21	19.4										
23-Nov-21		3.7	(2)	(2)	(2)	1.3	15.1	(2)	(2)	(2)	7.3
21-Dec-21		2.2	(2)		(2)	4.6	8.8			(2)	5.7
22-Dec-21	13.2										
24-Jan-22	6.76	(2)	(2)	(2)	(2)	8.4	2.94	(2)	3.0	(2)	(2)
8-Feb-22	3.67	(2)	(2)	(2)	(2)	6.24	2.63	(2)	(2)	(2)	(2)
16-Mar-22	9.42	(2)	(2)	(2)	(2)	7.42	4.13	(2)		(2)	(2)
21-Apr-22	14.28	5.15	22.99	24.49	6.49	18.39	15.9	53.0	28.1	5.1	1.68
24-May-22		1.91							43.8	1.65	0.55
25-May-22	4.49			(1)	(1)	8.47					
26-May-22			13.37				10.41	41.9			
22-Jun-22											
24-Jun-22	19.2	11.73	7.73	(1)	(1)	24.73	34.16	21.6		2.38	
25-Jun-22									78.4		6.07
8-Jul-22	5.57										
11-Aug-22	4.63										
26-Aug-22									175.8		(1)
29-Aug-22	4.91	4.76	9.56	(1)	(1)	7.05	11.99	30.9		1.65	
30-Aug-22											
27-Sep-22			1.84	(1)	2.71			35.9	18.5	2.21	
29-Sep-22	0.6	1.79				1.32	7.8				(1)
26-Oct-22											
27-Oct-22	0.43	(4)	7.53	(1)	0.35	1.35	1.42	1.6		(1)	0.18
28-Oct-22									11.7		
21-Nov-22										(1)	
22-Nov-22		1.1	2.16	(1)				4.8	24.1		1.06

**Table C-2 Surface Water Flow Summary - Extension Quarry Stations**

Date	SW11E	SW13	SW14	SW15	SW16	SW17	SW17A	SW18	SW19	SW20	SW21
23-Nov-22					0.67	1.74	2.05				
20-Dec-22			4.1	0.22				7.7			
21-Dec-22					(1)	1.74	1.94			(4)	
24-Jan-23			15.03	0.25	(2)	5.76	6.7	59.2		7.53	
22-Feb-23			38.09	4.89		6.71	19.83	79.5		4.19	
27-Mar-23			91.05	4.94				226.0		6.57	
28-Mar-23					12.18	8.9	23.88				
21-Apr-23			16.96	0.37	8.76	13.67	61.21	195.6		12.82	
15-May-23				(4)							
16-May-23			10.1			8.26	34.19	178.8		10.25	
17-May-23	13.21	8.81							479.0		0.55
26-Jun-23	18.98	5.04	2.36	(1)	3.06	3.6	19.06	166.2		0.52	(1)
27-Jun-23									436.3		
11-Jul-23	2.42										
25-Jul-23			7.67	(4)	(1)	4.21	35.39	137.2	679.5	10.21	
26-Jul-23	8.27	13.99									10.11
14-Aug-23	2.97										
28-Aug-23											
29-Aug-23	0.6	2.97	4.4	(1)	(1)	1.21	4.09	63.4	139.1	0.7	
30-Aug-23											
31-Aug-23											1.48
25-Sep-23	0.9	0.66	0.75	(1)	(1)	2.45	4.92	37.0		0.94	(1)
26-Sep-23									52.1		
30-Oct-23					0.47	2.78	6.13			0.94	
31-Oct-23	1.27	2.42		(1)				15.8			0.53
1-Nov-23									121.6		
29-Nov-23			3.85	0.24	(1)	3.06	8.5	55.6		0.77	
18-Dec-23			12.57	7.77	(1)	7.64	23.23	90.4		2.6	

**Table C-2 Surface Water Flow Summary - Extension Quarry Stations**

Date	SW21A	SW21B	SW21C	SW22	SW22A	SW22C	SW24A	SW77	PR Control	BC Control
22-May-03										
23-Jun-03					2.0					
26-Jun-03				1.62						
22-Jul-03	1.5	1.9	2.0	1.5	1.1		0.82			
20-Aug-03	1.5	0.89	0.75	1.2	0.5		0.55			
25-Sep-03	0.9	1.2	1.2	0.24	0.6		0.2			
22-Oct-03	1.0	1.0	2.0	0.28	1.0		0.4			
23-Oct-03										
28-Nov-03	0.37	2.28	2.76	2.05	1.85		1.43			
19-Dec-03	(2)	3.01	2.0	3.21	1.62		5.81			
10-Feb-04	(2)	3.0					0.9			
11-Feb-04			2.0	2.07	2.5					
12-Feb-04										
13-Feb-04										
16-Mar-04										
17-Mar-04			3.0	3.76	2.2					
18-Mar-04	(2)	(2)					2.5			
19-Apr-04	0.25	0.1								
20-Apr-04										
21-Apr-04			3.97	8.37	2.96		3.32			
19-May-04	1.79	0.77	4.81	3.92	1.88		1.68			
24-Jun-04	0.4	4.03	2.5	2.35	0.97		1.05			
29-Jul-04	0.9	4.71	1.24	1.25	0.23		0.85			
23-Aug-04										
26-Aug-04	0.91	1.09	0.1	0.92	0.33		0.23			
21-Sep-04	(1)									
22-Sep-04			0.72	0.36	0.1		0.33			
23-Sep-04		0.3								
20-Oct-04	0.16	4.21	0.67	0.34	0.28		0.52			
21-Oct-04										
16-Nov-04										
17-Nov-04				0.33	0.21		0.52			
18-Nov-04	0.38	1.3	1.39							
15-Dec-04		(2)	(2)		(2)					
16-Dec-04	0.69			0.4			0.45			
13-Jan-05										
16-Jan-05	(2)	(2)	(2)	(2)	(2)		(2)			
13-Feb-05	(2)	(2)	(2)	(2)	(2)		(2)			
27-Mar-05										
28-Mar-05										
29-Mar-05	1.24	5.07	2.78	1.59	2.17		0.2			
30-Mar-05										
10-Apr-05										

**Table C-2 Surface Water Flow Summary - Extension Quarry Stations**

Date	SW21A	SW21B	SW21C	SW22	SW22A	SW22C	SW24A	SW77	PR Control	BC Control
11-Apr-05	5.8	3.12	16.59	9.47	4.85		7.87			
22-May-05										
24-May-05										
26-May-05	0.24	3.39	4.8	4.19	1.77		1.42			
26-Jun-05		0.1								
27-Jun-05										
28-Jun-05	(4)		2.12	2.34	1.0		0.49			
29-Jun-05										
10-Jul-05										
11-Jul-05				1.56	0.9		0.35			
12-Jul-05	1.32	6.0	4.5							
21-Aug-05										
22-Aug-05				1.06	0.85		0.12			
23-Aug-05	1.03	2.74	2.63							
25-Sep-05										
27-Sep-05				0.39	0.68					
28-Sep-05	1.34		1.19				0.1			
23-Oct-05							0.1			
24-Oct-05										
25-Oct-05	1.98	2.2	1.24	0.29	0.17					
13-Nov-05										
14-Nov-05										
15-Nov-05	1.24	2.29	1.25	0.33	0.4		0.1			
16-Nov-05										
11-Dec-05										
12-Dec-05							2.08			
13-Dec-05	4.7	2.39	1.5							
14-Dec-05				0.34	0.18					
16-Dec-05										
15-Jan-06										
16-Jan-06										
17-Jan-06	9.78	0.69	2.76				1.52			
18-Jan-06				10.44	3.82					
19-Feb-06	(2)	(2)	(2)	(2)	(2)		(2)			
19-Mar-06		(2)								
20-Mar-06										
21-Mar-06				9.44	3.48					
22-Mar-06	0.46		1.69				3.0			
24-Mar-06										
31-Mar-06										
7-Apr-06										
13-Apr-06										
16-Apr-06										

**Table C-2 Surface Water Flow Summary - Extension Quarry Stations**

Date	SW21A	SW21B	SW21C	SW22	SW22A	SW22C	SW24A	SW77	PR Control	BC Control
18-Apr-06							3.72			
19-Apr-06	3.44	5.57	6.38	10.91	6.04					
21-May-06										
23-May-06	4.71	2.27	3.47	3.91	1.48					
24-May-06							12.29			
18-Jun-06										
20-Jun-06	3.75	2.47	6.05	2.85	1.38		2.26			
21-Jun-06										
23-Jun-06										
9-Jul-06										
10-Jul-06										
11-Jul-06	3.48	1.38	3.34	1.56	1.39		0.51			
12-Jul-06										
20-Aug-06										
21-Aug-06										
22-Aug-06										
23-Aug-06	2.95	0.97	2.89	0.64	0.46		0.27			
24-Aug-06										
17-Sep-06										
20-Sep-06	4.04	1.34	3.5	0.53	0.73		0.56			
21-Sep-06										
25-Sep-06										
27-Sep-06										
28-Sep-06		2.73								
15-Oct-06										
17-Oct-06										
18-Oct-06										
19-Oct-06	2.57	3.23	1.87	0.49	0.66		0.33			
17-Nov-06										
19-Nov-06										
23-Nov-06	2.14		4.64	1.55	1.51					
24-Nov-06										
27-Nov-06							1.27			
17-Dec-06	0.71	0.79	4.15	4.65	1.86		1.34			
23-Dec-06		1.56								
21-Jan-07	(2)	3.58	2.85	3.56	4.15		2.21			
18-Feb-07	(2)	(2)	(2)	2.18	(2)		(2)			
18-Mar-07	(2)	(2)	4.53	3.38	3.11	(2)	2.46			
15-Apr-07										
16-Apr-07	1.04	3.29	8.34							
17-Apr-07				7.67	1.41	11.47	5.47			
13-May-07	2.52	3.4	11.39	6.46	1.53		1.35			
15-May-07						7.74				

**Table C-2 Surface Water Flow Summary - Extension Quarry Stations**

Date	SW21A	SW21B	SW21C	SW22	SW22A	SW22C	SW24A	SW77	PR Control	BC Control
17-Jun-07	1.18	5.96	0.6	2.01	6.77		0.23			
18-Jun-07						9.78				
15-Jul-07	1.89	1.64	0.74	1.77	3.61		0.35			
18-Jul-07						2.68				
19-Aug-07	0.83	1.31	0.32	1.53	0.23		0.38			
22-Aug-07						1.55				
16-Sep-07	2.44									
17-Sep-07		1.15	0.65	1.2	0.58	3.03	0.27			
18-Sep-07										
14-Oct-07										
18-Oct-07	1.38	4.13	2.65	0.23	0.33	2.18	0.22			
19-Oct-07										
18-Nov-07										
19-Nov-07							2.07			
21-Nov-07	0.75	3.96	1.57	1.07	1.02	4.41				
9-Dec-07	0.17	1.77	1.98			(2)				
10-Dec-07							0.55			
11-Dec-07				0.37	(4)					
12-Dec-07										
20-Jan-08	(2)					0.55				
21-Jan-08		7.76	8.04				1.47			
22-Jan-08				6.95		2.6				
17-Feb-08	(2)									
19-Feb-08		0.41	2.33				1.64			
20-Feb-08				3.33	2.16	16.9				
16-Mar-08	(2)	(2)								
17-Mar-08			0.7				0.79			
18-Mar-08				1.16	1.47	5.64				
19-Mar-08										
30-Mar-08	(2)	(2)								
1-Apr-08			23.4							
2-Apr-08				7.42	2.89	17.62	0.79			
4-Apr-08										
7-Apr-08										
20-Apr-08	1.66									
21-Apr-08										
23-Apr-08		1.35	9.92	2.0	2.53	12.4	1.87			
24-Apr-08										
6-May-08										
18-May-08	0.3									
20-May-08										
21-May-08		1.49	6.72	7.91	2.17	3.9	1.43			
22-May-08										

**Table C-2 Surface Water Flow Summary - Extension Quarry Stations**

Date	SW21A	SW21B	SW21C	SW22	SW22A	SW22C	SW24A	SW77	PR Control	BC Control
15-Jun-08	0.18									
17-Jun-08		1.2	2.26	4.33	0.39	3.1	0.37			
18-Jun-08										
13-Jul-08	(4)									
15-Jul-08		0.37	2.21				0.3			
16-Jul-08				3.24	0.7	4.1				
17-Aug-08	(4)									
18-Aug-08							1.4			
19-Aug-08		0.4	4.5	1.79	0.9	3.1				
12-Sep-08										
14-Sep-08	(4)									
16-Sep-08		0.16	1.9	2.7	0.51	3.75	0.53			
17-Sep-08										
19-Oct-08										
20-Oct-08										
21-Oct-08	0.65	1.27	1.5				0.83			
22-Oct-08				0.59	0.63	3.17				
23-Nov-08	0.8	0.79	4.58	(2)	0.25	8.33	0.6			
14-Dec-08	0.17	1.42	8.76	1.9	1.76	8.58	1.8			
18-Jan-09	(2)	(2)	5.21	2.8	1.25	3.88	3.9			
8-Feb-09	(2)	(2)	2.2	0.66	2.7	13.3	0.7			
15-Mar-09	0.78	(2)	7.4	3.9	3.2	26.9	1.5			
12-Apr-09	0.4	0.2	3.65	3.4	1.8	21.6	3.4			
17-May-09	0.1	0.2	3.7	3.7	2.3	8.2	1.0			
14-Jun-09	(1)	0.1	2.2	1.8	0.7	0.8	0.43			
12-Jul-09	(1)	0.41	1.83	0.36	0.36	1.1	0.26			
9-Aug-09	(1)	0.1	2.2	0.54	0.9	1.7	0.4			
13-Sep-09	0.33	0.99	1.6	0.27	(4)	0.72	0.4			
11-Oct-09	0.35	0.78	1.4	1.1	0.63	4.3	0.37	0.4		
15-Nov-09	(4)	0.43	2.0	0.3	3.1	2.5	0.33	(4)		
13-Dec-09	(2)	(2)	0.4	2.4	0.74	1.2	0.14	(2)		
17-Jan-10	(2)	(2)	0.5	0.9	0.78	0.3	1.2	0.16		
7-Feb-10	(2)	(2)	0.74	1.2	0.65	1.7	1.2	0.2		
14-Mar-10	0.86	(2)	4.3	6.5	5.0	20.8	1.5	0.67		
4-Apr-10										
11-Apr-10	0.5	0.9	2.3	7.1	2.1	6.4	3.9	0.5		
16-May-10	0.3	1.4	5.6	6.4	1.5	7.8	1.5	0.2		
23-May-10										
13-Jun-10	(1)	(4)	2.2	9.5	1.5	6.5	1.0	0.34		
18-Jul-10	0.26	(4)	2.2	4.4	1.5	8.0	0.4	0.58		
19-Jul-10										
15-Aug-10	(1)	0.6	2.1	1.9	0.73	3.7	0.5	0.2		
12-Sep-10	0.13	0.36	1.95	1.2	0.58	(4)	0.31	0.11		

**Table C-2 Surface Water Flow Summary - Extension Quarry Stations**

Date	SW21A	SW21B	SW21C	SW22	SW22A	SW22C	SW24A	SW77	PR Control	BC Control
17-Oct-10	(4)	0.45	1.5	1.5	0.75	5.0	0.5	(4)		
21-Oct-10										
14-Nov-10	0.6	0.4	2.3	5.0	1.7	13.2	0.6	0.2		
19-Dec-10	(2)	(2)	6.2	1.9	0.6	3.0	0.8	(2)		
15-Jan-11										
16-Jan-11			4.5	5.5	0.5	7.6	1.5	(2)		
20-Feb-11			1.4	2.3	1.0	5.0	1.9	(2)		
13-Mar-11	(2)	(2)	2.7	5.9	1.7	10.2	2.6	(2)		
17-Mar-11										
18-Mar-11										
20-Mar-11				9.3	2.7	14.0				
22-Mar-11										
1-Apr-11										
5-Apr-11										
8-Apr-11										
12-Apr-11										
15-Apr-11										
17-Apr-11	0.2	(4)	3.3	6.9	2.5	21.2	1.3	0.8		
18-Apr-11										
20-Apr-11										
21-Apr-11										
26-Apr-11										
29-Apr-11										
3-May-11										
6-May-11										
10-May-11										
13-May-11										
15-May-11	1.1	1.4	5.4	12.8	1.4	15.1	2.9	0.5		
16-May-11										
18-May-11										
19-May-11										
20-May-11										
27-May-11										
3-Jun-11										
12-Jun-11	0.5	0.65	2.4	2.6	1.8	6.1	1.7	0.2		
13-Jun-11										
17-Jul-11	0.1	0.3	1.6	2.0	0.4	2.1	0.7	0.2		
14-Aug-11	0.15	0.16	1.0	0.3	0.2	1.9	0.4	0.2		
18-Sep-11	(1)	0.2	0.8	1.2	0.3	1.4	0.1	0.1		
16-Oct-11	(4)	0.24	0.8	0.3	0.3	2.9	1.1	0.1		
20-Nov-11	(4)	0.11	0.5	1.3	0.5	2.5	0.7	0.13		
18-Dec-11	0.21	(2)		4.4	1.3	6.7	0.4	0.2		
19-Dec-11										



**Table C-2 Surface Water Flow Summary - Extension Quarry Stations**

Date	SW21A	SW21B	SW21C	SW22	SW22A	SW22C	SW24A	SW77	PR Control	BC Control
20-Dec-11			2.8							
15-Jan-12	(2)	(2)	2.1	1.2	4.1	5.2	1.4	0.4		
19-Feb-12	(2)	(2)	2.2	1.7	1.8	5.1	0.3	0.3		
18-Mar-12	2.5	1.2	4.5	22.6	5.1	6.6	2.0	1.0		
20-Mar-12										
15-Apr-12	0.1	0.4	1.9	4.0	1.1	2.4	0.4	0.3		
13-May-12	0.3	0.4	2.6	1.1	0.7	3.5	1.6	0.24		
17-Jun-12	(1)	0.4	1.2	1.9	0.3	1.3	0.3	0.2		
15-Jul-12	(1)									
16-Jul-12		0.1	1.1	1.4	0.3	2.3	0.2	0.1		
12-Aug-12	(4)									
14-Aug-12		0.1	1.5				0.9	0.1		
15-Aug-12				1.0	1.3	3.5				
16-Sep-12	0.1									
18-Sep-12		0.2	0.9	1.1	0.5	2.2	0.2	0.1		
19-Sep-12										
14-Oct-12										
17-Oct-12	0.5	0.4	1.4				0.1	0.2		
18-Oct-12				1.1	0.7	2.2				
18-Nov-12										
20-Nov-12	0.2	0.1	2.6				4.8	0.3		
21-Nov-12				0.8	1.2	8.6				
12-Dec-12			2.4							
16-Dec-12										
18-Dec-12	0.1	0.3	1.7				1.3	0.8		
20-Dec-12				4.1	0.7	3.8				
13-Jan-13		(2)								
15-Jan-13	1.7							0.2		
16-Jan-13			8.5	3.9	1.2	12.1	1.8			
17-Feb-13	(2)	(2)	(2)							
20-Feb-13				3.9	2.1	6.68	1.4	0.3		
17-Mar-13	(2)	(2)								
19-Mar-13								0.3		
20-Mar-13			1.0	2.8	2.2	4.8	2.7			
14-Apr-13		(2)								
15-Apr-13										
16-Apr-13	0.6		5.6				18.4	1.3		
17-Apr-13				7.9	5.0	15.9				
12-May-13	(4)									
13-May-13		(4)	7.5				0.2	0.3		
14-May-13				2.4	0.8	2.3				
16-Jun-13	0.5									
18-Jun-13								0.1		

**Table C-2 Surface Water Flow Summary - Extension Quarry Stations**

Date	SW21A	SW21B	SW21C	SW22	SW22A	SW22C	SW24A	SW77	PR Control	BC Control
19-Jun-13		0.9	6.0	1.2	1.0	2.7	0.5			
14-Jul-13	(1)									
16-Jul-13		0.1	1.3				0.3	(4)		
17-Jul-13				0.6	0.2	1.4				
18-Aug-13	(4)					(1)		(4)		
20-Aug-13		0.11								
21-Aug-13			0.6	0.5	0.4		0.2			
15-Sep-13	(4)							(4)		
18-Sep-13		0.13	3.0				0.97			
19-Sep-13				0.44	0.3	1.4				
13-Oct-13	0.1									
16-Oct-13		0.1	1.7				0.8	0.1		
17-Oct-13				1.3	2.9	4.7				
17-Nov-13	0.2	0.1								
19-Nov-13			5.3				0.9	0.8		
20-Nov-13				1.9	2.6	4.8				
15-Dec-13	0.7	(2)	(2)	(2)	(2)	(2)				
17-Dec-13								0.4		
18-Dec-13							1.1			
19-Jan-14	(2)	(2)	(2)		(2)			0.3		
21-Jan-14							1.6			
22-Jan-14				0.7		1.0				
16-Feb-14	(2)	(2)	(2)	(2)	(2)	(2)	(2)	0.1		
19-Feb-14										
20-Feb-14										
16-Mar-14	(2)	(2)	(2)		(2)	(2)	(2)			
18-Mar-14								0.2		
19-Mar-14				0.7						
13-Apr-14		(2)								
15-Apr-14								1.4		
16-Apr-14	1.1		14.5				3.5			
17-Apr-14				24.8	2.3	16.5				
11-May-14										
12-May-14								0.6		
13-May-14	0.1	0.2	3.5	0.8	1.9	12.3	1.5			
15-Jun-14	(1)									
17-Jun-14		0.1	1.4	1.5	0.2	4.8	0.2	0.1		
18-Jun-14										
13-Jul-14	(4)									
14-Jul-14								(4)		
15-Jul-14		0.4	1.7	0.25	0.14	1.5	0.3			
16-Jul-14										
17-Aug-14	(4)						(4)			

**Table C-2 Surface Water Flow Summary - Extension Quarry Stations**

Date	SW21A	SW21B	SW21C	SW22	SW22A	SW22C	SW24A	SW77	PR Control	BC Control
18-Aug-14								(4)		
19-Aug-14		0.1	0.5	0.3	0.14	0.6				
7-Sep-14	(1)	0.2			0.1		(4)			
8-Sep-14								(4)		
9-Sep-14			0.5	0.1		0.6				
19-Oct-14	0.1				0.2					
20-Oct-14				0.9		1.6				
21-Oct-14										
22-Oct-14		(4)	1.6							
23-Oct-14							0.1	(4)		
16-Nov-14	(2)	(2)	(2)	(2)	(2)	(2)	(2)	0.1		
19-Nov-14										
14-Dec-14		(4)			2.5			(2)		
16-Dec-14	(4)		1.4				1.4			
17-Dec-14				4.0		4.6				
18-Jan-15	(2)	(2)						(2)		
20-Jan-15			0.9				0.2			
21-Jan-15				3.7	0.9	16.2				
15-Feb-15										
15-Mar-15	(2)	(2)				(2)				
18-Mar-15			1.9				0.2	0.1		
19-Mar-15				0.8	0.6					
21-Apr-15								0.9		
22-Apr-15	0.2	(4)	5.6				2.4			
23-Apr-15				4.6	2.5	11.2				
17-May-15	(1)	(1)								
19-May-15			1.9				1.2	0.1		
20-May-15				2.5	1.7	1.6				
14-Jun-15	(1)	(1)								
15-Jun-15			4.8	1.0	1.0	3.6	0.1	1.3		
16-Jun-15										
19-Jul-15	(1)	(1)								
21-Jul-15			2.7				0.2	0.1		
22-Jul-15				1.2	0.2	1.4				
9-Aug-15	(1)									
11-Aug-15		0.3	4.7				0.1	0.1		
12-Aug-15				0.3	0.5	1.6				
23-Aug-15										
25-Aug-15			1.1				0.3	(4)	7.4	0.4
6-Sep-15	(1)				0.4					
8-Sep-15		0.1	2.7				0.1	(4)		
9-Sep-15				0.5		1.2			8.3	7.5
11-Oct-15	(1)									

**Table C-2 Surface Water Flow Summary - Extension Quarry Stations**

Date	SW21A	SW21B	SW21C	SW22	SW22A	SW22C	SW24A	SW77	PR Control	BC Control
15-Oct-15		(4)	0.6				0.1	(4)	0.2	
16-Oct-15				0.3	0.2	1.6				6.0
8-Nov-15										
10-Nov-15										
15-Nov-15	(1)									
18-Nov-15		0.1	0.9				0.4	0.1	13.3	
19-Nov-15				0.4	1.1	3.8				6.4
6-Dec-15	(1)									
8-Dec-15		0.1	0.8	0.3	1.5	2.5	1.1	0.14	9.2	1.75
9-Dec-15										
17-Jan-16	(2)	(2)								(2)
19-Jan-16			2.1				1.0	0.3	30.8	
20-Jan-16				2.1	2.3	5.3				
14-Feb-16	(2)	(2)								(2)
17-Feb-16			1.8				1.2	1.0	18.7	
18-Feb-16				1.2	1.1	7.0				
13-Mar-16		(2)								
15-Mar-16	0.5		7.2	20.8	11.9	29.5	4.9	2.5	148.4	192.0
17-Apr-16		(1)								
20-Apr-16								1.4	86.0	
21-Apr-16	0.1		8.1	18.3	4.3	14.5	1.8			41.5
15-May-16	(1)									
17-May-16								0.7	59.4	17.3
18-May-16		0.1	2.3	5.7	2.3	6.5	0.5			
19-Jun-16	(1)									
22-Jun-16				2.8	1.2	2.4	2.4	0.2	25.5	1.4
23-Jun-16		0.11	1.9							
3-Jul-16										
5-Jul-16			1.4				0.6	0.5		
17-Jul-16										
20-Jul-16							0.5	0.1	11.5	0.4
21-Jul-16	0.5	1.7	1.5	1.8	0.5	2.2				
7-Aug-16										
9-Aug-16			0.3				0.1	0.5		
21-Aug-16										
24-Aug-16	0.5	1.0	2.3				0.4	0.1	6.3	
25-Aug-16				1.0	0.5	0.9				0.2
18-Sep-16										
19-Sep-16	1.3	2.0	1.5	0.8	0.6	1.8	0.5	0.1	8.5	0.3
16-Oct-16										
17-Oct-16				0.5	1.4			0.1	6.1	0.2
18-Oct-16	2.8	0.7	3.5			2.1	0.7			
24-Oct-16										

**Table C-2 Surface Water Flow Summary - Extension Quarry Stations**

Date	SW21A	SW21B	SW21C	SW22	SW22A	SW22C	SW24A	SW77	PR Control	BC Control
25-Oct-16										
15-Nov-16				0.5	0.1	3.2	0.4	0.5	11.1	0.4
16-Nov-16	1.9	1.1	2.0							
18-Nov-16										
12-Dec-16	2.8	3.78		0.2	1.5	7.8	0.2	0.34	10.54	1.2
12-Jan-17					1.9					
22-Jan-17										
24-Jan-17							3.7	0.4	44.6	37.3
25-Jan-17	3.2	6.2	4.6	1.3		8.1				
15-Feb-17		(2)								(2)
16-Feb-17				2.8	2.6	7.9	0.6	0.9	18.3	
17-Feb-17	0.4		4.6							
19-Mar-17										
21-Mar-17				6.6	0.9	13.5	0.3	0.9	40.3	
22-Mar-17	1.3	0.33	5.1							14.6
16-Apr-17										
19-Apr-17	1.3	1.55	5.3	16.6	1.0	12.0	3.6	1.4	93.82	35.1
8-May-17										
9-May-17										
14-May-17										
16-May-17	2.0	1.6	3.5	3.3	12.8	9.0	1.5	0.9	77.2	17.1
28-Jun-17	2.2	1.2	1.4	6.4	2.1	6.9	1.2	0.8	60.3	25.1
7-Jul-17			5.5				0.1	0.9		
18-Jul-17								0.4	25.9	
19-Jul-17	0.4	0.5	3.8				1.1			5.3
20-Jul-17				3.7	1.0	6.6				
27-Jul-17										
2-Aug-17			2.4				0.6	0.3		
13-Aug-17										
15-Aug-17							0.1	0.3	24.8	
16-Aug-17	0.9	0.9	7.2	1.9	1.1	2.8				2.3
17-Sep-17							0.2	0.2	9.9	1.1
18-Sep-17										
19-Sep-17	1.5	0.8	5.7	0.8	0.6	6.8				
17-Oct-17				0.9	1.9	5.3	0.8	0.2	27.3	
18-Oct-17	1.0	0.6	1.1							8.8
14-Nov-17							0.2	0.3	40.1	21.4
15-Nov-17	2.6	1.5	2.4	2.1	2.6	5.3				
12-Dec-17										
14-Dec-17	0.8	1.3	5.6	3.4	2.6	7.9	0.5	0.6	37.5	11.2
17-Jan-18	(2)	(2)		5.1	2.8	5.1		0.2	51.3	
18-Jan-18			7.4				0.5			25.8
18-Feb-18		(2)								

**Table C-2 Surface Water Flow Summary - Extension Quarry Stations**

Date	SW21A	SW21B	SW21C	SW22	SW22A	SW22C	SW24A	SW77	PR Control	BC Control
22-Feb-18									140.9	
23-Feb-18	2.4		9.0	8.5	5.2	19.4		1.5		
24-Feb-18							1.3			55.0
18-Mar-18	(2)									
20-Mar-18				4.6	1.2	5.4		0.5	57.5	
21-Mar-18			6.5				0.2			
18-Apr-18	(2)	(2)		4.8	2.4	8.5	1.5	0.9	89.2	44.4
19-Apr-18			7.4							
8-May-18										
9-May-18										
13-May-18										
14-May-18						6.3		1.4	50.4	18.0
15-May-18	1.0	(4)	5.5	11.9	3.4		2.2			
18-Jun-18	0.98	1.2	4.33	5.59	1.36	2.29	1.29	(4)	38.2	1.66
19-Jun-18										
20-Jun-18										
4-Jul-18			3.33				0.45	0.44		
18-Jul-18				1.45	1.34	1.83				
19-Jul-18	0.82	(4)	1.73				0.96	0.17	11.19	0.23
3-Aug-18			2.1				0.38	0.18		
23-Aug-18				0.7	1.6	2.6		0.7	26.5	0.8
24-Aug-18	0.5	0.3	4.9				0.4			
19-Sep-18					0.5	1.8		0.2	25.9	0.2
20-Sep-18	0.1	0.2	1.2	0.2			0.5			
24-Oct-18				0.7	0.4	3.1		0.2	13.0	0.7
25-Oct-18	0.1	0.1	2.4				0.9			
21-Nov-18				0.6	0.1	2.0		(1)	19.2	6.7
22-Nov-18	0.7		1.9				0.5			
12-Dec-18				1.6	1.6			1.1	43.8	18.7
13-Dec-18	0.5	0.3	3.1			3.8	1.9			
18-Jan-19	(2)	(2)		2.7	7.8			(2)		
19-Jan-19	(2)	(2)	6.0			4.0	1.2			
26-Feb-19				2.1	(2)	(2)		(2)	(2)	(2)
28-Feb-19	(2)	(2)	(2)				(2)			
15-Mar-19				2.6	5.3			1.4	(2)	(2)
19-Mar-19	(1)	(1)	12.6			24.7	1.9			
24-Apr-19				22.9	4.9			0.5	158.2	66.5
25-Apr-19	3.4	(1)	17.1			15.6	5.0			
14-May-19										
16-May-19										
23-May-19				7.9	2.2			1.2	77.8	21.0
27-May-19	0.1	(1)	7.0			7.7	1.8			
18-Jun-19				2.9	2.6			1.0	25.2	4.4

**Table C-2 Surface Water Flow Summary - Extension Quarry Stations**

Date	SW21A	SW21B	SW21C	SW22	SW22A	SW22C	SW24A	SW77	PR Control	BC Control
21-Jun-19		(1)	3.8			5.5	0.5			
29-Jul-19				0.5	0.3			(4)	10.9	1.1
30-Jul-19	0.1	0.3	3.5			4.5	0.5			
29-Aug-19				4.0	1.1				8.7	0.2
30-Aug-19	1.9	1.9	(1)			2.4	0.4			
26-Sep-19				42.7	0.7			(1)	13.0	3.1
27-Sep-19	1.7	1.6	(1)			2.6	0.4			
22-Oct-19	2.1	0.8	(1)			3.3	0.6			
23-Oct-19				2.7	1.3			(1)	12.6	0.2
21-Nov-19	3.0	0.9	(2)			2.6	(2)			
22-Nov-19				2.4	0.9			(2)	12.2	0.1
20-Dec-19	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	8.7	(2)
15-Jan-20				(2)	(2)	(2)		(2)	12.7	0.5
24-Jan-20	(2)	(2)	2.7				(2)			
20-Feb-20				(2)	(2)	(2)		(2)	(2)	(2)
21-Feb-20	(2)	(2)	(2)				(2)			
25-Mar-20	(2)	(2)	(2)				(2)			
26-Mar-20				(2)	(2)	(2)		(2)	(2)	44.8
27-Apr-20					1.9			(1)	84.0	34.3
28-Apr-20			4.4			10.0				
19-May-20										
20-May-20										
28-May-20	(1)	(1)	4.2			5.1	0.5			
29-May-20				6.4	3.0			0.3	13.3	7.4
23-Jun-20				1.2	34.1			3.9	79.1	3.1
24-Jun-20	(1)	(1)	(1)			3.9				
30-Jul-20				1.2	1.2				32.8	1.1
31-Jul-20		(1)	3.3			0.8	1.3			
25-Aug-20				0.7	1.1			2.7	7.3	0.5
26-Aug-20		(1)	1.7			1.0	0.6			
25-Sep-20				0.7	1.1			0.2	6.7	0.6
26-Sep-20		(1)	1.5			1.0	0.7			
29-Oct-20	3.4	(1)	1.5			1.4	0.8			
30-Oct-20				0.9	1.3			0.3	9.0	2.1
26-Nov-20				5.5	4.3			(2)	15.2	11.4
27-Nov-20	6.5	(1)	4.1			1.7	1.8			
22-Dec-20	1.6	(2)	2.8	(2)	(2)	(2)	5.5	(2)		
23-Dec-20									37.9	9.9
27-Jan-21	(2)	(2)		(2)	(2)	(2)			10.6	0.4
28-Jan-21			2.5				(2)	(2)		
22-Feb-21	(2)	(2)		(2)	(2)	(2)			1.3	(2)
23-Feb-21			0.5				(2)	(2)		
29-Mar-21	(4)	19.0		5.9	2.3	1.2			7.7	8.9

**Table C-2 Surface Water Flow Summary - Extension Quarry Stations**

Date	SW21A	SW21B	SW21C	SW22	SW22A	SW22C	SW24A	SW77	PR Control	BC Control
30-Mar-21			6.4				3.5	2.1		
27-Apr-21	(4)	(1)		4.2	1.8				76.8	45.4
28-Apr-21			5.0				0.7	3.2		
26-May-21			7.8					0.7		
27-May-21	(1)	(1)		1.7	1.1	5.0			29.0	2.5
22-Jun-21	(1)	(1)		3.3	1.4	0.6			12.5	1.4
23-Jun-21			2.7				1.9	1.6		
10-Jul-21			0.9				0.2	0.2		
22-Jul-21	(1)	(1)		1.2	0.6	0.7				1.8
23-Jul-21			4.0				0.8	0.3		
11-Aug-21			0.1				0.5	0.11		
25-Aug-21	(1)	(1)		1.1	0.4	0.7			6.7	1.4
26-Aug-21			0.6				(4)	(4)		
27-Sep-21			4.9				1.8	0.3		
28-Sep-21	(1)	(1)		4.5	2.0	3.4			33.5	13.2
26-Oct-21	0.7	(1)		1.6	3.5	4.9			34.6	42.4
27-Oct-21			6.7				1.7	0.6		
22-Nov-21			6.5				6.0	(2)		
23-Nov-21	1.9	(2)		(2)	(2)	(2)			37.5	16.4
21-Dec-21	1.5	(2)		(2)	(2)	(2)			38.9	8.7
22-Dec-21			4.8				4.9	(2)		
24-Jan-22	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
8-Feb-22	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
16-Mar-22	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	191.06	51.84
21-Apr-22	4.52		6.39	4.1	0.75	0.87	2.36	0.87	52.41	24.4
24-May-22	(1)	(1)		1.81	0.29	0.66			60.08	3.96
25-May-22			3.53				1.0	0.57		
26-May-22										
22-Jun-22										
24-Jun-22			8.56	5.42	3.27	3.2	3.47	2.68		
25-Jun-22	4.41	6.26							2.56	2.21
8-Jul-22			2.24				0.57	0.77		
11-Aug-22			1.62				1.06	0.24		
26-Aug-22									46.12	6.19
29-Aug-22	(1)	(1)	2.25				1.93	0.86		
30-Aug-22				6.27	1.98	3.41				
27-Sep-22				8.62		6.72	0.92	0.81	20.22	9.74
29-Sep-22	(1)	(4)	0.4		5.81					
26-Oct-22										
27-Oct-22	(1)	(4)	0.75				0.41	(4)		
28-Oct-22				0.36	0.5	7.43			8.56	1.18
21-Nov-22								(4)		
22-Nov-22	(1)	(4)							8.1	1.34



**Table C-2 Surface Water Flow Summary - Extension Quarry Stations**

Date	SW21A	SW21B	SW21C	SW22	SW22A	SW22C	SW24A	SW77	PR Control	BC Control
23-Nov-22				0.21	0.19	12.12	0.45			
20-Dec-22									10.28	
21-Dec-22										3.04
24-Jan-23									14.02	9.71
22-Feb-23									22.24	19.29
27-Mar-23										
28-Mar-23									33.24	59.2
21-Apr-23									50.94	21.83
15-May-23										
16-May-23				3.71	4.54	22.9	10.44	0.2		
17-May-23	(1)		7.19						33.7	13.76
26-Jun-23	(1)	(1)	3.41				1.67	0.47		
27-Jun-23				0.41	1.36	(4)			9.32	18.47
11-Jul-23			3.55				2.15	0.18		
25-Jul-23							13.91	0.38		
26-Jul-23	(1)	(1)	10.05	2.86	3.81	6.8			27.38	3.19
14-Aug-23			6.18				6.73	0.13		
28-Aug-23										
29-Aug-23		(1)	1.79				0.77	(4)		
30-Aug-23				0.54	0.88	3.03			15.37	7.08
31-Aug-23	(1)									
25-Sep-23	(1)	(1)	6.25				1.12	(4)		
26-Sep-23				0.24	0.9	1.77			4.27	0.38
30-Oct-23							1.28	0.1		
31-Oct-23	(1)	(1)	21.95	0.58	0.65	3.94			8.03	
1-Nov-23										1.67
29-Nov-23									13.54	1.21
18-Dec-23									17.48	16.08

**Table C-3 Surface Water Field Chemical Results**

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
SW1	22-May-03			10.0	
	29-May-03 (1)				
	23-Jun-03			16.8	
	15-Aug-03 (1)				
	20-Aug-03 (1)				
	5-Sep-03 (1)				
	9-Oct-03 (1)				
	12-Feb-04		436	2.4	
	4-Mar-04		652	3.5	
	19-Mar-04		629	3.5	10.6
	2-Apr-04	7.8	281	4.8	
	8-Apr-04	7.7	286	4.3	
	7-May-04	8.1	521	11.4	
	14-May-04	7.9	609	17.7	
	20-May-04	8.0	592	13.3	
	28-May-04	7.9	497	10.4	11.0
	4-Jun-04	7.8	555	12.3	
	11-Jun-04	7.8	630	14.6	
	17-Jun-04	7.7	666	14.6	
	24-Jun-04 (1)				
	1-Jul-04	7.9	717	15.1	8.7
	9-Jul-04 (1)				
	16-Jul-04	7.8	644	15.7	9.2
	22-Jul-04	7.9		20.4	8.5
	29-Jul-04	7.7	647	15.8	
	6-Aug-04 (1)				
	12-Aug-04 (1)				
	19-Aug-04	7.7	731	15.8	
	26-Aug-04	7.8	713	17.8	
	3-Sep-04 (1)				
	9-Sep-04	8.1	705	14.7	7.9
	17-Sep-04	7.7	764	14.7	7.7
	23-Sep-04 (1)				
	26-Sep-04 (1)				
	1-Oct-04 (1)				
	7-Oct-04 (1)				
	14-Oct-04 (1)				
	20-Oct-04 (1)				
	28-Oct-04 (1)				
	7-Nov-04	7.8	604	7.1	11.4
	11-Nov-04 (1)				
	19-Nov-04 (1)				
	25-Nov-04 (1)				
	2-Dec-04 (1)				
	9-Dec-04 (1)				
	17-Dec-04	7.8	472	1.1	
	29-Dec-04	7.6	600	3.4	
	5-Jan-05	7.7	467	3.0	12.7
	13-Jan-05 (1)				
	20-Jan-05	7.5	409	1.0	

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
SW1 (cont'd)	28-Jan-05	7.5	422	0.7	
	3-Feb-05	7.5	450	2.7	
	10-Feb-05 (1)				
	16-Feb-05	7.8	454	3.3	12.3
	24-Feb-05	8.0	440	1.1	
	3-Mar-05	7.6	415	0.4	12.9
	10-Mar-05 (1)				
	24-Mar-05	7.4	448	3.9	12.4
	30-Mar-05	7.7	470	6.2	
	7-Apr-05	7.5	356	3.3	12.1
	15-Apr-05	6.9	330	1.5	9.1
	21-Apr-05	7.5	451	10.4	11.1
	28-Apr-05	7.5	398	7.0	
	6-May-05	7.7	610	14.6	
	13-May-05	8.2	514	11.0	
	20-May-05	7.2	522	10.1	7.8
	27-May-05	7.7	653	18.6	
	3-Jun-05	7.3	662	18.0	7.5
	10-Jun-05 (1)				
	17-Jun-05	7.2	601	15.2	7.7
	24-Jun-05	7.7	776	22.7	
	30-Jun-05	7.5	835	23.4	7.6
	7-Jul-05	6.6	731	20.4	
	15-Jul-05	7.1	1,148	23.6	6.4
	21-Jul-05	7.6	1,524	24.1	
	28-Jul-05 (1)				
	2-Aug-05 (1)				
	12-Aug-05 (1)				
	19-Aug-05 (1)				
	24-Aug-05 (1)				
	1-Sep-05 (1)				
	9-Sep-05 (1)				
	16-Sep-05 (1)				
23-Sep-05 (1)					
30-Sep-05 (1)					
7-Oct-05 (1)					
14-Oct-05 (1)					
21-Oct-05 (1)					
28-Oct-05 (1)					
4-Nov-05 (1)					
11-Nov-05 (1)					
18-Nov-05	8.5	943	4.1		
25-Nov-05	8.3	524	2.5	12.0	
2-Dec-05	8.9	545	4.1	10.9	
9-Dec-05	9.4	538	3.8	11.0	
16-Dec-05	8.3	602	3.6	11.8	
22-Dec-05	8.2	592	2.8	12.8	
6-Jan-06	8.4	929	2.3		
13-Jan-06 (1)					
20-Jan-06	7.5	507	3.3	11.8	

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	DO
		6.5 - 8.5	nc	nc	a
SW1 (cont'd)	27-Jan-06	6.9	547	3.5	13.3
	3-Feb-06	8.2	503	3.7	
	10-Feb-06	8.3	495	2.9	13.4
	20-Feb-06	8.3	493	2.4	
	24-Feb-06	8.2	485	2.3	
	3-Mar-06	8.1	534	2.7	
	10-Mar-06	8.1	483	3.3	13.1
	17-Mar-06	8.2	471	2.8	12.9
	24-Mar-06	8.2	440	4.3	
	31-Mar-06	8.2	601	7.5	
	7-Apr-06	8.1	596	5.3	
	10-Apr-06	8.1	591	9.1	
	13-Apr-06	8.2	594	10.7	
	21-Apr-06	8.3	602	11.3	
	26-Apr-06	8.6	627	9.5	
	5-May-06	8.2	655	10.8	
	12-May-06	8.5	735	10.6	
	19-May-06	8.0	705	10.1	
	25-May-06	7.8	732	11.1	
	2-Jun-06	7.8	754	12.5	
	9-Jun-06	7.9	604	12.3	
	16-Jun-06	8.0	805	14.6	
	23-Jun-06	8.0	794	15.2	
	30-Jun-06 (1)				
	14-Jul-06 (1)				
	21-Jul-06 (1)				
	28-Jul-06 (1)				
	4-Aug-06	7.8	736	19.7	
	11-Aug-06 (1)				
	18-Aug-06 (1)				
	25-Aug-06	7.5	896	16.2	
	1-Sep-06	7.6	871	19.0	
	8-Sep-06	7.7	877	18.2	
	15-Sep-06	7.4	897	15.3	
21-Sep-06	7.5	895	12.3		
28-Sep-06	7.5	924	11.6		
20-Oct-06	7.6	908	9.3		
3-Nov-06	7.7	898	6.7	10.9	
10-Nov-06	7.8	874	8.0		
17-Nov-06	7.8	867	6.7	10.7	
24-Nov-06	7.9	867	6.1	10.8	
4-Dec-06	7.7	853	3.9	11.9	
8-Dec-06	7.7	841	4.1	12.7	
14-Dec-06	7.8	886	5.5		
21-Dec-06	7.9	852	4.8	12.0	
28-Dec-06	7.9	862	4.8	11.9	
5-Jan-07	7.9	853	5.6	10.7	
12-Jan-07	7.8	783	4.6	10.7	
19-Jan-07	8.1	791	3.0	12.2	
26-Jan-07	8.2	797	1.9	13.0	

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	DO
		6.5 - 8.5	nc	nc	a
SW1 (cont'd)	2-Feb-07	8.0	768	3.4	11.7
	9-Feb-07	8.1	707	3.5	12.2
	16-Feb-07	8.1	808	3.2	11.9
	22-Feb-07	8.0	805	3.6	11.2
	2-Mar-07	8.1	800	3.4	12.0
	9-Mar-07	8.0	668	4.4	12.4
	16-Mar-07	7.9	709	3.6	12.0
	23-Mar-07	7.9	719	5.2	11.6
	30-Mar-07	8.0	669	5.7	12.4
	5-Apr-07	7.6	328	3.1	
	13-Apr-07	8.1	652	4.0	13.1
	20-Apr-07	8.2	613	9.0	
	28-Apr-07	8.1	598	9.6	10.9
	4-May-07	8.2	582	11.0	
	11-May-07	8.0	677	10.7	
	18-May-07	8.1	667	10.6	11.1
	25-May-07	7.9	645	11.7	10.6
	1-Jun-07	8.0	676	14.6	7.3
	8-Jun-07	8.1	757	15.4	9.4
	14-Jun-07	8.2	768	14.0	9.2
	22-Jun-07 (1)				
	29-Jun-07	8.0	706	15.9	8.2
	6-Jul-07	7.9	745	15.5	9.4
	13-Jul-07 (1)				
	20-Jul-07	7.6	751	15.0	9.0
	27-Jul-07	7.5	694	14.6	7.6
	3-Aug-07 (1)				
	17-Aug-07	7.5	797	14.4	7.3
	24-Aug-07	7.9	810	17.4	6.2
	30-Aug-07	7.9	813	15.4	7.5
	7-Sep-07	7.5	822	16.3	7.6
	14-Sep-07	7.5	782	13.9	7.3
	21-Sep-07	7.8	793	15.4	8.1
	28-Sep-07	8.5	820	13.6	8.2
	5-Oct-07	7.5	884	13.6	8.1
	12-Oct-07 (1)				
19-Oct-07	7.7	803	13.9	7.7	
26-Oct-07	7.2	801	11.9	7.6	
2-Nov-07	7.6	836	10.1	8.7	
9-Nov-07	7.5	819	8.4	9.0	
16-Nov-07	7.4	862	6.9	9.7	
23-Nov-07	7.9	863	4.7	10.0	
7-Dec-07	7.9	784	3.9	10.9	
14-Dec-07	7.8	781	4.0	10.9	
20-Dec-07	7.7	769	3.8	10.8	
28-Dec-07	6.8		5.3	7.7	
4-Jan-08	7.0	832	2.3	11.4	
11-Jan-08	7.3	719	3.5	10.3	
18-Jan-08	6.9	684	1.2	12.4	
25-Jan-08	8.0	689	1.2	12.6	

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	DO
		6.5 - 8.5	nc	nc	a
SW1 (cont'd)	1-Feb-08	7.2	706	1.3	12.2
	8-Feb-08	6.9	735	2.6	12.1
	15-Feb-08	6.6	728	1.7	12.5
	22-Feb-08	6.9	731	2.0	
	29-Feb-08	7.0	738	1.9	
	7-Mar-08	7.0	721	2.3	13.2
	14-Mar-08	6.6	713	2.4	
	20-Mar-08	7.6	711	2.4	13.4
	28-Mar-08	7.3	592	3.4	
	4-Apr-08	7.1	629	3.9	12.5
	11-Apr-08	7.2	496	3.0	11.5
	15-Apr-08	7.1	563	6.5	
	18-Apr-08	6.8	374	6.0	
	25-Apr-08	7.7	581	9.2	8.8
	2-May-08	6.7	607	7.8	8.8
	8-May-08	7.1	651	8.7	11.4
	15-May-08	7.7	663	13.1	10.4
	23-May-08	7.5	610	10.4	9.4
	30-May-08	7.1	723	10.8	8.1
	6-Jun-08	7.1	748	17.0	6.8
	13-Jun-08	6.7	693	13.9	6.5
	20-Jun-08 (1)				
	27-Jun-08	7.1	815	14.4	7.9
	4-Jul-08 (1)				
	11-Jul-08 (1)				
	18-Jul-08	7.2	857	16.5	5.4
	25-Jul-08	7.5	891	16.2	5.1
	1-Aug-08	7.5	845	17.2	4.9
	8-Aug-08 (1)				
	15-Aug-08	6.8	949	16.3	5.2
	22-Aug-08 (1)				
	28-Aug-08	7.6		16.4	6.2
	5-Sep-08	7.8	864	17.2	6.2
	12-Sep-08	7.8	869	15.3	4.9
	19-Sep-08 (1)				
	26-Sep-08	7.6	870	14.0	5.1
	3-Oct-08	7.5	863	10.4	6.7
	10-Oct-08	7.2	864	11.2	7.0
	17-Oct-08	7.2	800	9.6	5.6
	24-Oct-08	7.8	804	7.7	5.9
31-Oct-08	7.8	815	7.5	5.4	
2-Nov-08	6.7	478	9.2	7.0	
9-Nov-08	7.8	678	8.3	7.1	
16-Nov-08	7.4	828	1.2	10.7	
23-Nov-08		647	3.4	7.5	
30-Nov-08		487	1.2	12.0	
7-Dec-08		738	3.1	9.1	
19-Dec-08	7.4	639	1.2	8.7	
23-Dec-08	8.1	649	2.5	9.5	
29-Dec-08	8.3	549	0.5	12.2	

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	DO
		6.5 - 8.5	nc	nc	a
SW1 (cont'd)	9-Jan-09		616	1.3	9.7
	16-Jan-09	8.1	684	0.7	10.0
	23-Jan-09	8.1	657	1.3	7.4
	30-Jan-09	8.1	663	2.1	8.8
	13-Feb-09	8.2	578	1.1	7.6
	20-Feb-09	8.3	606	2.0	
	27-Feb-09	8.1	570	2.9	
	6-Mar-09		556	4.7	12.1
	13-Mar-09	8.5	557	0.6	
	20-Mar-09	8.4	540	2.5	
	27-Mar-09	7.4	624	4.2	
	3-Apr-09	7.7	588	5.7	
	9-Apr-09	7.8	535	3.1	
	17-Apr-09	8.3	590	6.4	
	24-Apr-09	8.2	585	7.4	
	1-May-09	8.5	435	10.9	10.8
	8-May-09	7.9	564	11.8	9.4
	15-May-09	8.1	483	11.5	10.5
	22-May-09	8.1	511	10.9	9.0
	29-May-09	7.4	621	11.0	9.9
	5-Jun-09	7.9	582	11.6	10.1
	12-Jun-09	8.0	556	12.5	9.5
	19-Jun-09	7.7	1,277	12.7	9.8
	26-Jun-09	8.3	707	16.0	10.0
	2-Jul-09	7.6	621	13.9	8.8
	10-Jul-09		1,179	14.0	8.5
	17-Jul-09	8.9	713	13.2	8.0
	24-Jul-09	7.9	738	14.8	9.4
	31-Jul-09	7.6	760	14.7	6.8
	7-Aug-09	7.7	776	14.4	6.5
	14-Aug-09	8.3	729	15.7	7.8
	21-Aug-09	8.4	820	16.6	4.6
	28-Aug-09	8.4	746	14.5	8.3
	4-Sep-09 (1)				
	11-Sep-09 (1)				
	18-Sep-09 (1)				
25-Sep-09 (1)					
2-Oct-09	8.1	858	10.8		
9-Oct-09	6.4	881	11.0	10.6	
16-Oct-09	7.8	861	6.1	11.5	
23-Oct-09	6.7	776	7.8	11.1	
30-Oct-09	7.5	795	9.0	10.5	
6-Nov-09	6.4	793	7.1		
13-Nov-09	7.3	860	7.1		
20-Nov-09	7.3	731	7.0	11.9	
27-Nov-09	7.6	747	6.4	11.5	
11-Dec-09	7.7	632	1.4	11.9	
18-Dec-09	7.4	765	2.4	12.3	
22-Dec-09	7.9	734	3.0	13.6	
28-Dec-09	7.6	793	2.8	11.5	

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	DO
		6.5 - 8.5	nc	nc	a
SW1 (cont'd)	8-Jan-10	7.8	694	2.2	12.1
	15-Jan-10	7.7	744	3.8	10.8
	22-Jan-10	8.1	768	2.3	12.2
	29-Jan-10	7.8	781	0.5	12.2
	5-Feb-10	6.5	494	3.1	11.6
	12-Feb-10	7.0	486	3.2	11.6
	19-Feb-10	8.2	586	2.0	11.8
	1-Mar-10	7.3	647	3.2	11.8
	5-Mar-10	7.4	631	5.6	11.4
	12-Mar-10	7.3	707	5.0	12.2
	19-Mar-10	7.5	667	8.8	12.5
	26-Mar-10	7.1	565	3.1	12.6
	2-Apr-10	6.9	569	8.4	12.0
	9-Apr-10	7.4	659	6.7	12.8
	16-Apr-10	8.0	500	10.2	11.2
	23-Apr-10	8.0	471	9.0	11.5
	30-Apr-10	7.9	464	9.9	10.7
	7-May-10	8.0	456	10.2	11.4
	14-May-10	7.8	389	10.2	9.1
	21-May-10	7.9	513	11.9	10.0
	28-May-10	7.9	503	15.4	8.8
	4-Jun-10	7.8	549	13.7	6.5
	11-Jun-10	7.9	476	13.4	6.7
	18-Jun-10	7.9	587	14.4	11.2
	25-Jun-10	7.9	560	14.4	9.4
	1-Jul-10	7.8	508	13.4	8.7
	9-Jul-10	7.6	545	18.4	8.3
	15-Jul-10	7.8	689	19.3	7.7
	23-Jul-10	7.1	606	17.8	8.4
	30-Jul-10	7.8	530	16.7	8.3
	13-Aug-10 (1)				
	20-Aug-10 (1)				
	27-Aug-10 (1)				
	3-Sep-10 (1)				
	10-Sep-10 (1)				
	17-Sep-10 (1)				
24-Sep-10	7.9		16.2	7.2	
1-Oct-10	7.7	611	12.1	7.1	
8-Oct-10	7.7	599	11.2	7.6	
15-Oct-10	7.6	569	11.2	7.6	
22-Oct-10	7.8	566	6.9	9.4	
29-Oct-10	7.8	490	7.8	9.1	
5-Nov-10	7.9	453	4.1	9.4	
12-Nov-10	7.8	588	6.3	9.6	
19-Nov-10	8.0	474	4.8	11.4	
26-Nov-10	7.9	428	3.1	11.4	
3-Dec-10	7.8	428	2.8	10.2	
9-Dec-10	7.8	352	0.5	15.4	
17-Dec-10	7.6	335	0.5	12.0	
23-Dec-10	8.1	380	1.9	11.1	



Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	DO
		6.5 - 8.5	nc	nc	a
SW1 (cont'd)	30-Dec-10	7.9	431	3.3	10.9
	7-Jan-11	7.8	369	1.8	12.1
	14-Jan-11	7.8	356	2.7	11.8
	21-Jan-11	7.7	355	1.3	11.0
	28-Jan-11	8.0	392	3.1	11.2
	4-Feb-11	7.9	335	0.4	11.6
	11-Feb-11	7.7	411	2.1	11.5
	18-Feb-11	7.7	379	3.0	12.3
	25-Feb-11	7.8	388	3.0	12.1
	4-Mar-11	7.7	371	2.5	12.3
	11-Mar-11	7.7	304	0.7	12.6
	18-Mar-11	7.8	266	2.7	15.1
	25-Mar-11	7.9	398	4.8	13.2
	1-Apr-11	7.8	359	4.3	12.0
	8-Apr-11	7.6	359	4.2	12.4
	15-Apr-11	7.7	288	4.4	10.4
	21-Apr-11	8.1	366	4.2	12.3
	29-Apr-11	7.2	372	5.7	
	6-May-11	8.2	318	7.7	10.4
	13-May-11	8.0	485	10.6	11.9
	20-May-11	8.0	399	11.5	10.1
	27-May-11	8.0	387	10.3	8.4
	3-Jun-11	7.9	459	13.9	8.0
	10-Jun-11	7.8	534	14.5	8.5
	17-Jun-11	7.9	483	13.8	9.6
	24-Jun-11	7.8	571	15.1	7.2
	30-Jun-11	7.7	507	14.9	10.0
	8-Jul-11 (1)				
	14-Jul-11 (1)				
	22-Jul-11 (1)				
	29-Jul-11 (1)				
	5-Aug-11 (1)				
	12-Aug-11 (1)				
	19-Aug-11 (1)				
	26-Aug-11 (1)				
	2-Sep-11 (1)				
	9-Sep-11 (1)				
	16-Sep-11	8.1	529	12.0	8.3
	23-Sep-11 (1)				
	30-Sep-11 (1)				
6-Oct-11	8.0	692	10.6	9.0	
14-Oct-11 (1)					
21-Oct-11	8.0	593	9.4	9.6	
28-Oct-11	8.3	492	8.6	9.9	
4-Nov-11	8.1	518	7.9	10.1	
11-Nov-11	7.6	558	5.9	4.8	
18-Nov-11	7.5	547	5.7	11.0	
25-Nov-11	7.5	557	6.8	9.6	
2-Dec-11	8.1	484	5.1	11.6	
9-Dec-11	7.4	424	4.8	9.8	

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	DO
		6.5 - 8.5	nc	nc	a
SW1 (cont'd)	16-Dec-11	7.6	396	4.0	12.8
	23-Dec-11	7.5	369	3.5	4.8
	30-Dec-11	9.2	355	3.5	11.3
	6-Jan-12	7.5	432	4.0	13.7
	13-Jan-12	8.1	344	2.9	
	20-Jan-12	8.0	344	2.2	10.5
	27-Jan-12	8.1	309	8.4	12.8
	3-Feb-12	7.9	274	3.6	11.2
	10-Feb-12	7.9	308	2.6	13.7
	17-Feb-12	7.7	370	3.5	14.0
	24-Feb-12	8.1	320	1.0	14.2
	1-Mar-12	7.8	359	2.6	
	9-Mar-12	8.0	212	1.4	12.9
	16-Mar-12	7.5	300	4.4	10.9
	23-Mar-12	7.6		10.5	6.3
	30-Mar-12	8.0	369	5.2	12.4
	6-Apr-12	8.3	420	7.7	6.1
	13-Apr-12	8.0	408	6.4	9.0
	20-Apr-12	8.0	452	8.5	7.9
	27-Apr-12	8.4	350	4.5	12.4
	4-May-12	8.0	482	12.4	6.9
	11-May-12	7.8	285	9.2	9.5
	18-May-12	7.9	492	10.8	7.5
	25-May-12	7.3	570	14.8	6.7
	1-Jun-12	7.8	5	11.0	6.1
	8-Jun-12	8.2	547	14.0	7.8
	15-Jun-12	8.0	633	14.7	5.9
	22-Jun-12	7.9	664	16.2	6.4
	28-Jun-12	8.1	660	16.6	6.4
	6-Jul-12	8.0	769	17.9	5.6
	13-Jul-12 (1)				
	20-Jul-12 (1)				
	27-Jul-12 (1)				
	3-Aug-12 (1)				
	10-Aug-12	8.1	542	16.2	5.8
	17-Aug-12	8.2	520	16.3	5.7
	24-Aug-12 (1)				
	31-Aug-12	7.6	749	18.0	6.7
	7-Sep-12 (1)				
	14-Sep-12	7.4	661	14.8	5.5
21-Sep-12 (1)					
28-Sep-12	6.8	723	10.6	8.3	
5-Oct-12	7.3	808	13.5	8.6	
12-Oct-12	7.8	638	7.4	10.0	
19-Oct-12	8.5	613	10.8	7.2	
26-Oct-12	7.0	615	10.7	9.2	
2-Nov-12	5.8	567	4.2	6.6	
9-Nov-12	6.3	444	5.0	9.8	
16-Nov-12	7.2	541	5.4	9.1	
23-Nov-12	7.6	511	7.5	7.5	

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	DO
		6.5 - 8.5	nc	nc	a
SW1 (cont'd)	30-Nov-12	8.7	515	5.3	5.0
	7-Dec-12	7.6	536	5.3	6.6
	14-Dec-12	8.3	462	3.8	9.1
	21-Dec-12	7.6	494	4.2	10.2
	28-Dec-12	7.5	434	3.8	12.1
	4-Jan-13	7.6	5	2.1	9.9
	11-Jan-13	7.7	547	3.7	9.1
	17-Jan-13	7.7	463	2.3	10.6
	25-Jan-13	7.7	458	1.6	4.5
	1-Feb-13	7.9	308	0.4	11.7
	8-Feb-13	7.6	322	0.7	13.4
	15-Feb-13	7.6	653	2.4	12.2
	22-Feb-13	7.3	335	2.0	8.6
	1-Mar-13	7.6	484	1.9	9.8
	8-Mar-13	7.9	381	5.2	12.1
	15-Mar-13			2.0	
	22-Mar-13	7.8	405	2.1	12.5
	28-Mar-13	7.9	370	4.8	11.5
	5-Apr-13	7.9	358	3.0	6.5
	12-Apr-13	7.4	382	2.9	3.8
	19-Apr-13	7.5	219	7.5	6.7
	26-Apr-13	7.6	288	4.8	9.3
	3-May-13	7.6	389	13.4	8.3
	9-May-13	7.8	439	10.4	9.5
	16-May-13	7.9	408	10.0	7.3
	24-May-13	7.7	439	8.2	8.2
	31-May-13	7.9	490	15.2	8.4
	7-Jun-13		411	10.2	6.5
	14-Jun-13	7.9	497	15.1	6.4
	21-Jun-13	7.9	530	13.1	7.7
	27-Jun-13	7.9	486	15.8	8.2
	5-Jul-13	7.7	584	14.9	7.8
	12-Jul-13	7.7	621	16.4	5.2
	19-Jul-13	7.7	621	19.7	5.2
	25-Jul-13	7.6	570	14.4	7.9
	2-Aug-13	8.1	587	16.3	9.0
	8-Aug-13	7.5	538	16.4	8.4
	16-Aug-13	7.9	621	13.8	4.9
	23-Aug-13	(1)			
	30-Aug-13	7.9	613	14.3	4.8
6-Sep-13	7.8	598	13.4	5.0	
13-Sep-13	8.4	530	12.5	8.1	
20-Sep-13	8.3	556	15.1	4.1	
27-Sep-13	7.9	491	11.8	6.9	
4-Oct-13	7.8	483	10.2	5.9	
11-Oct-13	7.6	458	9.2	3.9	
18-Oct-13	7.5	426	9.2	4.0	
25-Oct-13	7.6	438	7.3	4.3	
31-Oct-13	7.6	421	9.7	4.3	
8-Nov-13	7.4	403	7.0	4.5	

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
SW1 (cont'd)	14-Nov-13	7.4	415	2.9	4.1
	22-Nov-13	7.4	405	3.5	4.1
	29-Nov-13	8.4	393	3.9	7.5
	6-Dec-13	7.8	340	3.0	5.4
	13-Dec-13	8.3	256	7.6	4.6
	19-Dec-13	8.8	386	3.5	6.3
	27-Dec-13	8.6	382	2.9	5.2
	3-Jan-14	8.5	360	0.9	3.2
	10-Jan-14	7.5	360	(1)	4.1
	17-Jan-14	8.1	356	1.5	4.3
	24-Jan-14	7.5	369	0.8	11.4
	31-Jan-14	7.1	398	1.7	4.0
	7-Feb-14	7.1	382	0.6	3.9
	14-Feb-14	7.4	254	1.9	4.4
	21-Feb-14	7.1	399	2.0	9.1
	7-Mar-14	7.4	389	0.1	7.8
	14-Mar-14	6.5	408	1.5	11.9
	21-Mar-14	7.3	408	1.4	3.8
	28-Mar-14	7.4	421	3.7	11.5
	4-Apr-14	7.8	403	3.2	11.2
	11-Apr-14	7.8	297	1.7	9.7
	17-Apr-14	7.7	485	3.8	9.0
	25-Apr-14	7.6	480	3.6	7.0
	1-May-14	7.5	473	4.2	5.8
	9-May-14	7.8	425	11.1	10.4
	16-May-14	7.2	328	10.2	10.3
	23-May-14	7.2	382	11.0	10.1
	30-May-14	7.3	375	11.0	10.0
	6-Jun-14	7.2	392	11.0	8.0
	13-Jun-14	7.2	402	11.2	8.1
	20-Jun-14	7.2	412	12.5	8.1
	27-Jun-14	7.2	423	12.5	8.1
	4-Jul-14	7.5	481	12.7	7.4
	11-Jul-14	7.3	424	14.3	6.9
	18-Jul-14	8.4	598	13.2	
	25-Jul-14	8.7	603	13.1	
1-Aug-14	8.5	485	13.9	6.2	
8-Aug-14	8.5	460	13.8	6.2	
15-Aug-14	8.5	423	12.2	6.2	
22-Aug-14	8.8	693	14.3		
29-Aug-14	8.7	682	14.0		
5-Sep-14	8.9	717	16.3		
12-Sep-14	7.5	645	11.8	6.9	
19-Sep-14	7.9	422	9.2	6.1	
26-Sep-14	7.9	429	10.7	6.4	
3-Oct-14	7.7	473	13.8	6.0	
10-Oct-14	7.5	470	10.1	6.3	
16-Oct-14	7.9	666	12.8	6.3	
24-Oct-14	8.0	571	7.2	6.5	
31-Oct-14	7.9	423	6.0	6.0	

**Table C-3 Surface Water Field Chemical Results**

Surface Water Station	PWQO	pH (su)	EC (µS/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
SW1 (cont'd)	7-Nov-14	7.3	456	0.5	6.9
	14-Nov-14	7.3	446	(2)	6.6
	20-Nov-14	7.2	420	(3)	6.2
	28-Nov-14	7.3	423	(1)	7.0
	5-Dec-14	7.3	425	0.3	4.3
	12-Dec-14	7.2	467	0.9	6.9
	19-Dec-14	7.2	453	(1)	6.9
	26-Dec-14	7.3	413	1.9	6.3
	2-Jan-15	7.2	418	(1)	7.0
	8-Jan-15	(2)			
	14-Jan-15	7.2	428	(0)	6.3
	23-Jan-15	7.1	420	(0)	6.3
	30-Jan-15	8.1	283	(0)	11.9
	6-Feb-15	8.1	570	1.0	12.5
	12-Feb-15	7.9	545	0.0	11.9
	27-Feb-15	8.0	577	1.5	(6)
	6-Mar-15	8.1	576	1.4	12.6
	13-Mar-15	8.1	569	6.4	11.9
	20-Mar-15	8.0	364	7.2	11.9
	26-Mar-15	8.1	331	4.4	12.3
	2-Apr-15	7.9	369	8.3	10.8
	10-Apr-15	7.8	260	5.2	9.5
	17-Apr-15	8.4	353	7.8	
	23-Apr-15	8.1	369	3.6	14.2
	1-May-15	7.7	482	9.8	7.5
	8-May-15	9.1	555	18.5	
	15-May-15	7.6	437	11.9	7.7
	21-May-15	7.7	432	11.0	9.4
	28-May-15	7.7	519	16.1	7.3
	4-Jun-15	7.6	519	15.2	7.3
	12-Jun-15	7.5	551	13.1	5.1
	18-Jun-15	7.5	517	18.4	5.7
	26-Jun-15	8.1	617	26.0	
	1-Jul-15	7.8	463	15.2	
	10-Jul-15	7.7	595	18.5	
	17-Jul-15	8.1	558	12.7	
	22-Jul-15	7.8	665	14.5	
	30-Jul-15	8.1	749	23.9	
	5-Aug-15	7.4	564	15.4	6.0
	13-Aug-15	7.6	647	13.2	5.7
	21-Aug-15	7.3	608	17.4	4.7
28-Aug-15	8.2	598			
3-Sep-15	7.6	741	16.5	5.9	
10-Sep-15	7.6	705	18.2	5.6	
18-Sep-15	(1)				
25-Sep-15	7.6	640	14.0	7.6	
2-Oct-15	7.5	522	7.6	8.2	
9-Oct-15	7.3	558	10.7	6.2	
16-Oct-15	7.7	514	8.5	8.6	
23-Oct-15	7.6	523	7.1	9.4	

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
SW1 (cont'd)	30-Oct-15	7.5	480	7.1	10.8
	5-Nov-15	7.8	572	10.9	7.6
	10-Nov-15	7.5	468	4.3	9.3
	13-Nov-15	7.3	432	5.2	6.7
	19-Nov-15	7.7	586	9.1	13.0
	26-Nov-15	7.3	443	0.8	11.1
	4-Dec-15	7.6	482	2.3	15.9
	10-Dec-15	7.6	538	5.7	12.8
	17-Dec-15	7.8	420	3.7	11.5
	23-Dec-15	7.6	445	5.1	13.9
	30-Dec-15	7.4	391	0.5	10.4
	8-Jan-16	7.4	410	1.5	11.9
	14-Jan-16	7.2	383	0.2	10.8
	22-Jan-16	7.3	431	(0)	9.8
	29-Jan-16	7.2	401	(0)	8.8
	5-Feb-16	7.4	392	0.5	11.5
	11-Feb-16	7.3	416	(0)	8.7
	18-Feb-16	7.3	407	0.2	11.0
	25-Feb-16	7.5	255	(0)	6.4
	4-Mar-16	7.1	376	0.1	9.1
	10-Mar-16	7.3	244	0.5	9.4
	18-Mar-16	7.7	299	1.3	10.6
	28-Mar-16	7.3	189	4.4	9.4
	7-Apr-16	7.3	254	1.2	10.1
	15-Apr-16	7.4	265	2.9	11.9
	22-Apr-16	7.9	434	10.8	6.7
	29-Apr-16	8.0	380	5.5	10.8
	6-May-16	8.0	460	10.1	7.0
	13-May-16	7.7	598	14.5	
	20-May-16	7.8	616	14.8	9.0
	27-May-16	7.5	602	17.3	2.7
	2-Jun-16	7.5	593	16.9	2.3
	10-Jun-16	7.6	696	10.6	4.6
	17-Jun-16	7.5	655	14.8	3.9
	24-Jun-16	7.4	521	13.2	4.1
	28-Jun-16	7.5	667	16.6	3.8
	5-Jul-16	7.6	665	17.4	6.6
	8-Jul-16	7.6	648	19.2	4.3
	15-Jul-16	7.6	623	18.7	4.1
	22-Jul-16	7.4	820	20.0	3.7
29-Jul-16	7.6	744	17.9	4.2	
5-Aug-16	7.5	747	20.6	2.4	
12-Aug-16	(1)				
19-Aug-16	7.6	595	17.4	2.7	
26-Aug-16	7.4	781	18.3	2.7	
2-Sep-16	7.1	653	15.3	3.8	
9-Sep-16	7.4	619	17.7	3.0	
16-Sep-16	7.7	618	10.9	5.6	
21-Sep-16	7.1	635	15.7	5.8	
30-Sep-16	7.4	620	11.9	4.8	

**Table C-3 Surface Water Field Chemical Results**

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	DO
		6.5 - 8.5	nc	nc	a
SW1 (cont'd)	7-Oct-16	7.4	657	14.0	5.5
	13-Oct-16	7.0	506	10.4	6.1
	19-Oct-16	7.6	676	13.6	9.0
	24-Oct-16	7.3	544	6.2	10.0
	27-Oct-16	7.2	418	1.5	10.4
	3-Nov-16	7.7	556	8.0	8.3
	11-Nov-16	7.3	450	4.8	10.2
	18-Nov-16	7.3	789	5.7	8.0
	24-Nov-16	7.2	412	0.1	10.8
	2-Dec-16	7.9	373	1.9	7.9
	7-Dec-16	7.6	364	0.1	7.9
	16-Dec-16	7.5	518	(0)	8.7
	22-Dec-16 (2)				
	30-Dec-16 (2)				
	6-Jan-17 (2)				
	13-Jan-17 (2)				
	20-Jan-17	7.4	405	0.1	8.1
	26-Jan-17	7.5	400	(1)	6.7
	3-Feb-17 (2)				
	10-Feb-17 (2)				
	17-Feb-17 (2)				
	19-Apr-17	7.4	457	11.5	12.8
	9-May-17	8.3	352	9.5	14.1
	16-May-17	7.9	636	11.4	7.9
	28-Jun-17	7.6	620	17.3	3.2
	18-Jul-17	7.4	737	20.2	2.5
	15-Aug-17	7.8	557	16.1	1.2
	18-Sep-17	6.6	735	16.3	2.2
	18-Oct-17	7.7	525	8.3	4.3
	15-Nov-17	7.7	447	0.7	10.4
	13-Dec-17 (2)				
	17-Jan-18 (2)				
	22-Feb-18	7.3	220	(0)	8.7
	20-Mar-18 (2)	7.6	361	7.0	10.7
	18-Apr-18 (2)	7.9	518	(1)	4.8
	8-May-18	7.4	533	9.8	3.7
	15-May-18	7.5	570	13.2	4.9
	18-Jun-18	7.3	660	18.4	2.3
	19-Jul-18	7.2	735	17.5	1.8
	23-Aug-18	7.4	606	15.5	1.9
19-Sep-18	7.5		14.9	4.0	
24-Oct-18	7.5	694	2.4	7.5	
12-Dec-18 (2)					
15-Mar-19 (2)					
24-Apr-19	7.6	390	5.0	6.5	
14-May-19	7.7	447	6.3	8.9	
23-May-19	7.5	507	11.2	3.1	
18-Jun-19	7.4	569	16.5	2.5	
29-Jul-19 (1)					
29-Aug-19 (1)					

Surface Water Station	PWQO	pH (su)	EC (µS/cm)	T (°C)	DO
		6.5 - 8.5	nc	nc	a
SW1 (cont'd)	26-Sep-19 (1)				
	22-Nov-19	7.4	91	0.0	5.7
	26-Mar-20	7.5	565	1.6	7.5
	27-Apr-20	7.7	609	2.3	13.1
	19-May-20	7.9	620	10.1	6.4
	29-May-20	7.8	583	20.8	2.0
	23-Jun-20	7.3	654	20.4	0.8
	30-Jul-20	7.3	734	19.6	1.0
	25-Aug-20 (3)				
	25-Sep-20 (1)				
	30-Oct-20 (1)				
	26-Nov-20 (2)				
	27-Jan-21 (2)				
	22-Feb-21 (2)				
	29-Mar-21	7.5	477	7.0	8.1
	27-Apr-21	7.5	512	8.3	7.1
	26-May-21	7.2	763	18.7	1.3
	27-May-21	7.2	763	18.7	1.3
	22-Jun-21 (1)				
	22-Jul-21	7.3	776	16.3	1.8
	25-Aug-21	7.1	854	20.1	0.9
	28-Sep-21	7.5	684	12.2	2.9
	26-Oct-21	7.4	631	6.8	5.5
	23-Nov-21 (2)				
	21-Dec-21 (2)				
	24-Jan-22 (2)				
	8-Feb-22 (2)				
	16-Mar-22	8.3	603	1.1	8.8
	21-Apr-22	8.0	892	5.2	6.7
	4-May-22			(6)	7.1
	24-May-22	7.1	731	16.5	2.4
	24-Jun-22	7.1	710	14.5	11.0
	29-Aug-22	6.7	815	17.2	11.8
	27-Sep-22	7.1	987	14.2	12.0
	26-Oct-22	7.5	733	10.2	2.3
	21-Nov-22	7.9	641	0.0	3.7
20-Dec-22	7.6	437	0.0	1.4	
24-Jan-23 (2)	7.3	755	(0)	3.5	
22-Feb-23	7.3	726	0.0	7.2	
27-Mar-23	8.9	560	0.5	7.4	
21-Apr-23	7.6	518	12.5	8.5	
15-May-23	7.5	596	17.2	5.3	
26-Jun-23	7.5	780	20.7	9.4	
25-Jul-23	7.3	585	19.0	1.2	
28-Aug-23	7.6	764	17.8	2.0	
25-Sep-23	7.3	784	13.6	1.8	
30-Oct-23	8.3	596	6.0	7.6	
29-Nov-23	7.1	965	0.0	5.6	
18-Dec-23	7.2	859	1.5	8.4	
SW2	22-May-03			8.0	



Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
SW2 (cont'd)	12-Feb-04		394	5.4	11.6
	19-Mar-04		571	5.1	9.3
	7-May-04	7.5	406	8.8	
	14-May-04	7.6	419	8.6	
	20-May-04	7.6	409	7.3	
	28-May-04	7.5	358	7.1	
	4-Jun-04	7.5	393	9.0	
	11-Jun-04	7.6	425	9.3	
	17-Jun-04	7.4	410	8.2	
	24-Jun-04	7.7	442	9.9	11.2
	1-Jul-04	7.6	439	9.8	10.5
	16-Jul-04	7.5	458	10.0	10.2
	22-Jul-04	7.6		14.6	8.5
	29-Jul-04	7.6	422	10.3	
	6-Aug-04	7.8	491	13.6	10.1
	12-Aug-04	7.6	445	10.2	
	19-Aug-04	7.5	463	10.8	10.8
	26-Aug-04		478	13.7	
	3-Sep-04	7.6	426	13.7	7.7
	9-Sep-04	8.0	460	11.7	9.2
	17-Sep-04	7.4	450	10.9	8.1
	23-Sep-04	7.4	481	13.2	6.8
	1-Oct-04	7.4	469	11.6	7.3
	7-Oct-04	7.3	468	12.2	7.2
	14-Oct-04	7.4	446	10.6	8.0
	20-Oct-04	7.4	447	9.7	7.4
	28-Oct-04	7.3	509	9.8	6.9
	4-Nov-04	7.5	390	7.5	10.0
	11-Nov-04	7.3	435	8.2	7.8
	19-Nov-04	7.2	460	8.5	7.6
	25-Nov-04	7.3	454	6.0	7.7
	2-Dec-04	7.3	419	4.5	10.1
	9-Dec-04	7.6	427	6.0	10.8
	17-Dec-04 (2)				
	29-Dec-04 (2)				
	5-Jan-05	7.4	404	6.3	11.5
	13-Jan-05	7.2	375	6.1	11.5
	10-Feb-05	7.4	411	6.1	
	16-Feb-05	7.8	406	6.4	12.2
	24-Feb-05	8.0	398	4.4	
3-Mar-05	7.6	392	4.4		
10-Mar-05	7.5	430	6.9	12.0	
17-Mar-05	7.5	404	6.5	12.4	
24-Mar-05	7.5	449	7.4	11.8	
30-Mar-05	7.6	521	7.7	11.9	
7-Apr-05	7.3	406	4.8	12.3	
15-Apr-05	7.1	341	5.8	12.5	
21-Apr-05	7.0	323	7.0	11.7	
29-Apr-05	7.3	329	6.0	12.1	
6-May-05	6.8	506	8.1		

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	DO
		6.5 - 8.5	nc	nc	a
SW2 (cont'd)	13-May-05	8.6	377	6.4	12.1
	20-May-05	7.7	392	7.1	12.1
	27-May-05	6.6	420	8.9	
	3-Jun-05	6.9	443	9.7	
	10-Jun-05	7.1	449	10.3	
	17-Jun-05	6.8	472	8.6	10.9
	24-Jun-05	7.1	511	13.1	
	30-Jun-05	7.0	487	11.2	
	7-Jul-05	5.0	454	10.7	9.9
	15-Jul-05	6.9	674	12.8	9.7
	21-Jul-05	6.3	959	14.8	9.3
	28-Jul-05	7.3	874	11.1	9.4
	2-Aug-05	8.8	511	12.4	9.4
	12-Aug-05	7.7	798	12.5	
	19-Aug-05	7.6	488	12.2	9.5
	24-Aug-05	7.4	480	11.1	9.3
	1-Sep-05		475	12.0	8.9
	9-Sep-05	6.7	473	11.8	8.0
	16-Sep-05	7.3	555	13.1	
	23-Sep-05	7.5	505	12.4	7.5
	30-Sep-05	7.5	520	12.2	7.9
	7-Oct-05	7.6	657	11.5	
	14-Oct-05	7.6	535	12.0	7.9
	21-Oct-05	8.4	510	10.5	8.4
	28-Oct-05	7.5	541	9.5	8.4
	4-Nov-05	7.5	552	10.6	7.9
	11-Nov-05	7.6	549	9.5	7.3
	18-Nov-05	7.6	777	5.4	
	25-Nov-05	7.5	506	6.8	7.2
	2-Dec-05	8.6	467	5.9	10.0
	9-Dec-05	8.7	447	5.3	10.0
	16-Dec-05	7.8	484	5.0	10.9
	22-Dec-05	8.0	469	4.0	11.6
6-Jan-06	7.8	426	5.3		
13-Jan-06	7.7	443	7.4	10.9	
20-Jan-06	7.5	428	6.7	11.4	
27-Jan-06	6.9	441	6.3	12.0	
3-Feb-06	7.7	421	6.4	11.6	
10-Feb-06	7.9	419	6.1		
20-Feb-06	8.8	422	6.2		
24-Feb-06	7.9	397	4.4		
3-Mar-06	8.3	410	4.3		
10-Mar-06	6.9	419	5.5	11.6	
17-Mar-06	7.4	364	4.8	12.2	
24-Mar-06	7.9	378	5.9		
31-Mar-06	7.7	517	7.3		
7-Apr-06	7.7	461	5.3		
10-Apr-06	7.8	460	7.5		
13-Apr-06	7.7	439	7.4		
21-Apr-06	7.8	466	7.6		

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
SW2 (cont'd)	26-Apr-06	8.4	493	6.6	
	5-May-06	7.8	507	8.2	
	12-May-06	8.1	605	8.9	
	19-May-06	7.6	572	8.4	
	25-May-06	7.8	594	7.9	
	2-Jun-06	8.0	591	7.9	
	9-Jun-06	7.8	480	9.3	
	16-Jun-06	7.7	570	9.6	
	23-Jun-06	7.6	613	9.8	
	30-Jun-06	8.7	623	11.2	
	7-Jul-06	8.2	554	13.9	
	14-Jul-06	7.8	546	12.0	
	21-Jul-06	7.8	563	15.9	
	28-Jul-06	7.7	598	17.4	
	4-Aug-06	7.9	551	17.3	
	11-Aug-06	8.2	526	11.7	
	18-Aug-06	7.3	549	13.9	
	25-Aug-06	7.3	542	12.8	
	1-Sep-06	7.2	542	14.2	
	8-Sep-06	7.4	563	14.1	
	15-Sep-06	7.1	575	12.3	
	21-Sep-06	7.4	595	11.2	
	28-Sep-06	7.2	617	10.5	
	6-Oct-06	7.3	634	11.5	
	13-Oct-06	7.1	643	7.3	
	20-Oct-06	7.3	668	9.0	
	26-Oct-06	7.7	711	9.0	
	3-Nov-06	7.6	634	8.1	11.0
	10-Nov-06	7.3	588	9.2	
	17-Nov-06	7.5	595	8.3	10.4
	24-Nov-06	7.7	582	7.6	11.6
	4-Dec-06	7.6	588	7.1	11.9
	8-Dec-06	7.4	588	6.8	12.1
	14-Dec-06	7.5	602	7.8	
	21-Dec-06	7.6	604	7.2	11.9
	28-Dec-06	7.6	619	7.4	11.5
	5-Jan-07	7.6	620	7.5	11.0
	12-Jan-07	7.6	587	6.8	11.1
	19-Jan-07	7.8	580	5.2	12.1
	26-Jan-07	8.1	584	4.4	11.1
2-Feb-07	8.0	559	5.5		
9-Feb-07	8.0	510	5.7		
16-Feb-07	8.0	576	4.3	12.6	
22-Feb-07	8.1	575	5.4	11.8	
2-Mar-07	8.7	568	5.3		
9-Mar-07	8.0	479	4.4	12.7	
16-Mar-07	7.0	521	6.0	11.9	
23-Mar-07	7.6	532	5.6		
30-Mar-07	7.7	492	5.6	12.6	
5-Apr-07	7.1	520	5.1	12.5	

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
SW2 (cont'd)	13-Apr-07	7.8	549	5.2	
	20-Apr-07	7.8	493	7.1	
	28-Apr-07	8.0	517	6.5	
	4-May-07	7.6	470	7.1	
	11-May-07	7.6	549	7.4	
	18-May-07	8.2	555	8.0	
	25-May-07	7.9	510	8.8	
	1-Jun-07	7.9	524	9.5	
	8-Jun-07	7.6	603	9.7	10.7
	14-Jun-07	7.6	597	8.6	11.0
	22-Jun-07	7.6	554	8.2	10.6
	29-Jun-07	8.4	547	13.5	9.4
	6-Jul-07	8.0	584	11.5	10.3
	13-Jul-07	8.9	575	10.9	9.6
	20-Jul-07	8.4	629	11.0	10.4
	27-Jul-07	7.4	530	11.1	9.3
	3-Aug-07	7.6	562	13.1	8.3
	10-Aug-07	7.3	556	11.7	8.9
	17-Aug-07	7.3	615	11.2	8.5
	24-Aug-07	7.9	598	13.4	7.8
	30-Aug-07	7.7	624	12.7	7.4
	7-Sep-07	7.4	629	12.9	6.4
	14-Sep-07	7.2	630	11.9	7.6
	21-Sep-07	8.4	619	12.1	7.4
	28-Sep-07	8.5	615	12.3	6.4
	5-Oct-07	7.1	671	12.2	2.5
	12-Oct-07	7.1	687	10.6	7.4
	19-Oct-07	7.7	669	12.4	6.2
	26-Oct-07	7.7	670	12.0	6.4
	2-Nov-07	7.3	732	10.9	5.8
	9-Nov-07	7.3	752	9.1	7.0
	16-Nov-07	7.1	852	8.0	7.7
	23-Nov-07	8.2	781	3.8	10.5
	30-Nov-07 (3)				
	7-Dec-07	8.2	640	5.2	11.1
	14-Dec-07	8.0	646	4.6	11.6
	20-Dec-07 (2)				
	28-Dec-07	6.4		6.6	9.7
	4-Jan-08	7.0	612	4.8	12.5
	11-Jan-08	7.1	418	5.6	12.0
18-Jan-08	7.1	525	5.0	12.2	
25-Jan-08	7.7	517	5.2	11.9	
1-Feb-08	7.3	533	5.0	11.7	
8-Feb-08	6.8	563	5.7	11.9	
15-Feb-08	7.3	564	4.9		
22-Feb-08	7.2	535	5.5		
29-Feb-08	7.0	511	4.1		
7-Mar-08	6.8	454	5.3		
14-Mar-08	6.0	552	5.1		
20-Mar-08	7.7	578	5.1	11.9	

Surface Water Station	PWQO	pH (su)	EC (µS/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
SW2 (cont'd)	28-Mar-08	7.3	485	5.3	
	4-Apr-08	6.9	476	4.7	12.5
	11-Apr-08	6.9	412	4.4	12.9
	15-Apr-08	7.7	427	5.5	12.2
	18-Apr-08	6.5	434	6.1	10.1
	25-Apr-08	8.3	463	6.5	11.1
	2-May-08	7.3	560	6.3	11.4
	8-May-08	6.7	544	6.4	
	15-May-08	7.4	551	9.8	10.5
	23-May-08	8.0	497	7.6	9.4
	30-May-08	6.7	700	13.7	7.3
	6-Jun-08	6.7	611	11.9	7.6
	13-Jun-08	6.2	518	9.0	9.2
	20-Jun-08	8.2	540	8.7	8.6
	27-Jun-08	6.7	587	9.3	8.1
	4-Jul-08	7.4	609	9.2	7.5
	11-Jul-08	6.9	565	9.9	8.9
	18-Jul-08	7.2	593	10.7	6.8
	25-Jul-08	7.9	628	9.4	7.1
	1-Aug-08	7.8	580	10.2	7.0
	8-Aug-08	7.3	599	10.8	6.2
	15-Aug-08	7.1	657	9.6	7.0
	22-Aug-08	6.1	651	12.9	5.2
	28-Aug-08	6.9		10.5	8.8
	5-Sep-08	7.5	570	11.6	7.8
	12-Sep-08	7.6	575	11.0	6.2
	19-Sep-08	7.9	401	9.8	5.6
	26-Sep-08	7.5	585	10.0	5.8
	3-Oct-08	7.2	604	9.0	8.6
	10-Oct-08	7.3	598	9.2	8.7
	17-Oct-08	7.4	536	8.7	6.0
	24-Oct-08	7.7	549	7.9	6.2
	31-Oct-08	8.4	520	8.6	7.1
	7-Nov-08	6.6	526	9.5	9.2
	14-Nov-08	7.3	475	9.2	9.0
	21-Nov-08 (2)				
	28-Nov-08 (2)				
	30-Nov-08 (2)				
	12-Dec-08	8.7	548	6.7	9.4
	23-Dec-08	7.8	475	4.5	7.9
29-Dec-08	7.6	449	5.1	9.9	
16-Jan-09	7.8	542	4.7	9.7	
23-Jan-09	7.8	530	5.5	8.9	
30-Jan-09	8.0	526	4.9	9.1	
6-Feb-09		477	4.8	9.6	
13-Feb-09	7.8	444	5.0	6.2	
20-Feb-09	8.0	476	5.1		
27-Feb-09	7.9	515	4.5		
6-Mar-09		503	6.0		
13-Mar-09	7.9	441	4.3		

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
SW2 (cont'd)	20-Mar-09	7.8	442	4.5	
	27-Mar-09		544		
	3-Apr-09	7.4	493	5.5	
	9-Apr-09	7.6	458	4.7	
	17-Apr-09	7.8	513	5.2	
	24-Apr-09	7.7	507	5.8	
	1-May-09	7.3	396	8.2	11.6
	8-May-09	7.4	509	7.4	
	15-May-09	7.7	440	7.7	11.5
	22-May-09	8.1	344	7.0	11.6
	29-May-09	7.7	556	7.3	
	5-Jun-09	7.0	496	7.5	11.9
	12-Jun-09	8.2	564	8.5	11.6
	19-Jun-09	7.5	1,022	8.9	11.7
	26-Jun-09	7.6	565	13.0	10.0
	2-Jul-09	7.6	490	8.8	11.3
	10-Jul-09			9.1	11.6
	17-Jul-09	9.4	544	9.1	10.2
	24-Jul-09	8.1	551	10.7	9.9
	31-Jul-09	7.7	545	10.1	10.8
	7-Aug-09	8.0	597	10.1	8.5
	14-Aug-09	9.0	554	10.4	10.4
	21-Aug-09	8.2	621	12.1	9.6
	28-Aug-09	8.5	559	10.7	9.2
	4-Sep-09	8.3	580	10.5	9.0
	11-Sep-09	8.8	538	11.4	9.0
	18-Sep-09	8.1	611	11.2	8.1
	25-Sep-09	7.4	542	11.3	9.3
	2-Oct-09	8.8	676	9.4	
	9-Oct-09	7.8	659	9.9	11.0
	16-Oct-09	8.1	636	6.5	12.2
	23-Oct-09	8.0	587	7.3	10.9
	30-Oct-09	7.9	595	9.2	11.5
	6-Nov-09	7.2	623	7.3	
	13-Nov-09	7.7	634	7.8	
	20-Nov-09	7.7	544	7.7	
	27-Nov-09	7.8	523	7.0	
	4-Dec-09	7.5	524	6.5	11.7
	11-Dec-09	7.9	483	4.8	
	18-Dec-09	7.9	561	4.2	12.1
22-Dec-09	8.7	557	4.5		
28-Dec-09	7.6	585	5.0		
8-Jan-10	8.5	512	2.4	12.1	
15-Jan-10	8.8	487	5.5	12.7	
22-Jan-10	8.3	548	3.8	12.7	
29-Jan-10	8.2	581	3.7	12.7	
5-Feb-10	6.4	553	5.2	12.6	
12-Feb-10	6.6	562	5.3	12.6	
19-Feb-10	7.6	504	4.9	11.3	
1-Mar-10	8.2	377	4.7	12.4	

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
SW2 (cont'd)	5-Mar-10	7.4	522	5.6	11.7
	12-Mar-10	7.9	659	6.2	12.1
	19-Mar-10	7.6	464	5.4	12.8
	26-Mar-10	7.5	423	4.6	12.6
	2-Apr-10	7.0	440	6.0	
	9-Apr-10	7.2	543	5.6	12.2
	16-Apr-10	7.6	370	6.5	12.4
	23-Apr-10	7.7	344	6.1	12.7
	30-Apr-10	7.6	346	7.0	12.1
	7-May-10	7.7	348	7.2	
	14-May-10	7.7	345	10.0	11.4
	21-May-10	7.6	357	7.9	11.8
	28-May-10	7.6	339	9.0	11.8
	4-Jun-10	7.7	395	7.9	7.8
	11-Jun-10	7.6	337	8.1	8.3
	18-Jun-10	7.6	407	8.3	13.8
	25-Jun-10	7.7	391	8.7	11.5
	1-Jul-10	7.7	362	8.6	11.4
	9-Jul-10	7.7	441	9.8	10.8
	15-Jul-10	7.6	434	10.9	10.4
	23-Jul-10	7.6	449	10.2	13.5
	30-Jul-10	7.6	366	9.9	10.5
	6-Aug-10	7.7	423	10.3	
	13-Aug-10	7.6	436	10.5	7.8
	20-Aug-10	7.5	435	10.4	9.5
	27-Aug-10	7.5	306	10.9	9.6
	3-Sep-10	7.7	452	12.4	9.3
	10-Sep-10	7.6	367	11.3	9.8
	17-Sep-10	7.6	385	10.3	9.5
	24-Sep-10	7.6		12.4	9.1
	1-Oct-10	7.6	443	10.2	9.9
	8-Oct-10	7.4	446	10.1	9.1
	15-Oct-10	7.4	436	10.1	9.2
	22-Oct-10	7.6	429	7.8	10.3
	29-Oct-10	7.5	376	8.9	9.3
	5-Nov-10	7.6	477	7.9	10.3
	12-Nov-10	7.5	484	9.1	10.5
	19-Nov-10	7.7	385	8.6	10.9
	26-Nov-10	7.5	377	7.7	10.8
	3-Dec-10	7.5	399	7.8	10.1
9-Dec-10	7.5	337	6.8	10.8	
17-Dec-10	7.7	406	7.1	11.3	
23-Dec-10	8.0	339	5.0	11.0	
30-Dec-10	7.9	385	7.0	10.5	
7-Jan-11	7.7	307	6.1	12.2	
14-Jan-11	7.5	321	6.3	11.5	
21-Jan-11	7.6	318	5.0	10.4	
28-Jan-11	7.8	333	5.9	11.3	
4-Feb-11	7.8	290	2.3	10.4	
11-Feb-11	7.8	310	2.3	10.6	

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
SW2 (cont'd)	18-Feb-11	7.8	329	2.5	11.3
	25-Feb-11	7.6	316	4.2	12.3
	4-Mar-11	7.5	332	5.9	12.1
	11-Mar-11	7.5	341	5.0	12.5
	18-Mar-11	7.6	298	5.6	
	22-Mar-11	7.7	356	5.3	10.8
	25-Mar-11	7.7	342	5.8	12.3
	1-Apr-11	7.4	327	5.4	12.4
	8-Apr-11	7.4	320	5.2	12.8
	15-Apr-11	7.4	249	5.4	10.8
	21-Apr-11	7.8	338	5.3	10.6
	29-Apr-11		328	5.5	13.2
	6-May-11	8.0	265	6.4	11.6
	13-May-11	8.0	274	7.6	11.8
	20-May-11	7.6	298	7.1	12.0
	27-May-11		299	7.1	12.1
	3-Jun-11	7.6	309	7.9	13.6
	10-Jun-11	8.4	362	7.7	11.3
	17-Jun-11	6.7	321	8.7	11.3
	24-Jun-11	7.6	386	8.7	12.4
	30-Jun-11	7.6	289	9.0	11.9
	8-Jul-11	7.5	400	10.1	12.0
	14-Jul-11	6.3	403	9.3	10.8
	22-Jul-11	7.8	415	11.3	13.0
	29-Jul-11	6.7	385	11.4	10.2
	5-Aug-11	6.9	416	12.0	10.5
	12-Aug-11	7.9	435	10.9	9.1
	19-Aug-11	8.0	246	11.4	8.6
	26-Aug-11	7.7	388	12.2	8.2
	2-Sep-11	7.8	398	3.3	8.7
	9-Sep-11	7.7	421	11.7	7.8
	16-Sep-11	7.6	374	10.5	7.8
	23-Sep-11	7.9	396	11.7	5.9
	30-Sep-11	8.0	416	11.6	9.6
	6-Oct-11	7.8	490	10.0	8.7
	14-Oct-11	7.8	402	11.9	7.9
	21-Oct-11	7.8	461	9.9	9.5
	28-Oct-11	9.8	433	9.7	9.6
	4-Nov-11	7.8	365	8.7	9.8
	11-Nov-11	7.6	409	7.9	4.5
18-Nov-11	8.3	401	6.8	10.8	
25-Nov-11	7.8	410	7.7	9.8	
2-Dec-11	8.2	373	8.0	12.1	
9-Dec-11	7.6	309	7.9	9.3	
16-Dec-11	7.4	327	7.6	11.9	
23-Dec-11	8.2	299	6.8	5.1	
30-Dec-11	8.4	280	7.0	11.1	
6-Jan-12	7.4	357	7.4	12.4	
20-Jan-12	8.0	293	5.5	10.1	
27-Jan-12	8.1	265	6.5	11.9	



Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
SW2 (cont'd)	3-Feb-12	7.8	233	6.5	11.3
	10-Feb-12	8.1	292	6.0	11.6
	17-Feb-12	7.7	320	6.2	13.3
	24-Feb-12	8.3	273	4.0	12.4
	1-Mar-12	8.0	323	5.6	
	9-Mar-12	7.8	283	6.7	11.3
	16-Mar-12	7.8	283	6.7	11.3
	23-Mar-12	7.3	268	6.3	12.4
	30-Mar-12	8.4	328	6.2	12.8
	6-Apr-12	8.6	363	7.5	5.6
	13-Apr-12	8.0	358	6.6	10.5
	20-Apr-12	8.1	367	7.4	9.1
	27-Apr-12	7.9	349	6.4	12.4
	4-May-12	7.9	416	8.3	9.0
	11-May-12	7.6	232	7.4	12.0
	18-May-12	7.7	356	8.7	10.0
	25-May-12	6.5	383	10.0	8.6
	1-Jun-12	7.6	334	7.9	8.3
	8-Jun-12	8.1	354	9.1	9.5
	15-Jun-12	7.6	346	9.6	8.0
	22-Jun-12	7.9	486	7.0	9.1
	28-Jun-12	7.8	547	10.6	6.8
	6-Jul-12	7.7	345	11.1	6.2
	13-Jul-12	8.3	409	10.7	6.1
	20-Jul-12	7.9	440	11.3	6.9
	27-Jul-12	7.8	465	11.4	6.5
	3-Aug-12	7.5	460	12.0	7.4
	10-Aug-12	7.7	480	13.1	7.5
	17-Aug-12	7.9	414	11.0	6.6
	24-Aug-12	7.9	430	11.4	9.6
	31-Aug-12	7.3	468	12.2	6.7
	7-Sep-12	6.9	456	11.7	6.7
	14-Sep-12	7.0	466	11.7	8.5
	21-Sep-12	7.1	486	10.9	8.8
	28-Sep-12	6.6	497	9.8	9.3
	5-Oct-12	7.1	535	12.0	7.7
	12-Oct-12	8.3	487	8.4	9.8
	19-Oct-12	8.4	5	9.6	9.9
	26-Oct-12	7.4	460	10.0	10.2
	2-Nov-12	6.5	410	8.7	6.9
9-Nov-12	8.2	378	8.9	9.8	
16-Nov-12	8.3	403	8.9	10.1	
23-Nov-12	7.6	388	8.7	7.1	
30-Nov-12	7.5	363	8.4	6.0	
7-Dec-12	7.4	452	7.9	6.8	
14-Dec-12	7.7	384	7.8	10.6	
21-Dec-12	7.3	424	6.7	11.7	
28-Dec-12	7.4	381	6.8	11.4	
4-Jan-13	7.6	422	5.9	10.1	
11-Jan-13	7.5	623	5.4	9.9	

**Table C-3 Surface Water Field Chemical Results**

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	DO
		6.5 - 8.5	nc	nc	a
SW2 (cont'd)	17-Jan-13	7.7	400	6.0	10.4
	25-Jan-13	7.7	416	6.2	4.0
	1-Feb-13	7.9	298	5.5	12.0
	8-Feb-13	7.6	314	4.9	13.1
	15-Feb-13	7.5	509	5.0	11.7
	22-Feb-13	7.5	331	4.6	9.4
	1-Mar-13	7.7	413	5.8	9.0
	8-Mar-13	7.7	362	6.7	11.8
	15-Mar-13		342	5.4	9.5
	22-Mar-13	7.6	411	4.9	12.5
	28-Mar-13	7.7	340	6.1	11.8
	5-Apr-13	7.7	389	5.3	10.0
	12-Apr-13	7.7	373	5.3	10.0
	19-Apr-13	7.3	311	6.8	5.9
	26-Apr-13	7.4	309	5.8	10.1
	3-May-13	7.9	312	7.8	9.9
	9-May-13	7.6	358	7.0	
	16-May-13	7.6	342	7.4	11.3
	24-May-13	7.7	393	6.3	10.4
	31-May-13	7.7	364	8.4	8.5
	7-Jun-13		330	7.5	9.5
	14-Jun-13	7.7	393	10.3	8.5
	21-Jun-13	7.9	409	8.6	12.6
	27-Jun-13	7.9	423	8.6	11.1
	5-Jul-13	7.6	427	9.5	10.7
	12-Jul-13	7.5	447	9.6	10.6
	19-Jul-13	7.5	456	9.5	10.0
	25-Jul-13	7.5	451	9.4	8.5
	2-Aug-13	7.5	502	9.3	9.1
	8-Aug-13	7.6	508	9.2	8.6
	16-Aug-13	7.7	512	9.3	8.3
	23-Aug-13	7.6	523	9.2	8.3
	30-Aug-13	7.6	546	9.3	8.1
	6-Sep-13	7.5	523	9.2	8.0
	13-Sep-13	7.5	506	7.6	8.1
	20-Sep-13	7.6	523	9.3	8.1
	27-Sep-13	7.6	523	9.4	7.9
	4-Oct-13	7.5	521	9.0	7.6
	11-Oct-13	7.6	530	9.5	8.0
	18-Oct-13	7.5	525	9.2	7.0
25-Oct-13	7.4	521	8.0	3.9	
31-Oct-13	7.3	516	7.6	3.8	
8-Nov-13	7.2	510	7.6	5.3	
14-Nov-13	7.2	503	6.7	5.1	
22-Nov-13	7.1	510	6.8	4.9	
29-Nov-13	8.3	389	7.1	2.5	
6-Dec-13	7.6	396	7.3	3.7	
13-Dec-13	(2)				
19-Dec-13	(2)				
27-Dec-13	(2)				

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
SW2 (cont'd)	3-Jan-14				
	10-Jan-14	8.2	350	4.3	4.1
	17-Jan-14	7.8	276	5.4	7.1
	31-Jan-14	7.1	380	2.7	4.3
	7-Feb-14	7.0	394	4.6	3.3
	21-Feb-14				
	28-Feb-14				
	7-Mar-14	7.3	370	2.0	7.0
	14-Mar-14	6.3	402	3.6	9.3
	21-Mar-14	7.3	276	4.1	5.4
	28-Mar-14	6.8	591	4.6	11.6
	4-Apr-14	7.6	387	4.8	10.8
	11-Apr-14	7.5	429	5.2	11.5
	17-Apr-14	7.6	533	5.4	9.9
	25-Apr-14	7.5	530	5.3	9.9
	1-May-14	7.5	486	5.6	10.0
	9-May-14	7.2	473	7.6	6.9
	16-May-14	7.2	456	7.5	6.2
	23-May-14	7.2	463	7.6	6.3
	30-May-14	7.6	450	7.8	6.8
	6-Jun-14	7.2	461	9.0	6.2
	13-Jun-14	7.2	460	8.9	6.4
	20-Jun-14	7.2	456	8.9	7.0
	28-Jun-14	7.1	450	9.8	7.6
	4-Jul-14	7.1	448	9.8	7.8
	11-Jul-14	7.1	426	9.9	7.9
	18-Jul-14	8.4	535	9.7	
	25-Jul-14	8.7	532	10.2	
	1-Aug-14	8.6	478	10.2	7.9
	8-Aug-14	8.5	463	10.2	7.6
	15-Aug-14	8.2	456	10.0	7.5
	22-Aug-14	8.7	598	11.1	
	29-Aug-14	8.5	608	11.1	
	5-Sep-14	8.8	635	12.7	
	12-Sep-14	8.1	625	10.5	6.2
	19-Sep-14	8.0	420	10.0	6.2
26-Sep-14	8.1	427	10.0	6.9	
3-Oct-14	7.6	463	9.9	4.9	
10-Oct-14	7.5	460	10.2	5.6	
16-Oct-14	7.5	456	9.9	5.9	
24-Oct-14	7.6	416	7.9	6.9	
31-Oct-14	7.4	423	7.6	6.0	
7-Nov-14	7.2	428	0.5	4.0	
14-Nov-14	7.3	431	1.0	4.2	
20-Nov-14	7.2	420	0.2	4.1	
28-Nov-14	7.2	416	0.1	5.3	
5-Dec-14	7.3	425	4.4	7.0	
12-Dec-14	7.2	431	3.3	6.9	
19-Dec-14	7.2	425	3.5	6.2	
26-Dec-14	7.2	469	4.5	7.9	

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	DO
		6.5 - 8.5	nc	nc	a
SW2 (cont'd)	2-Jan-15	7.2	432	1.4	7.9
	8-Jan-15	7.3	432	1.3	6.9
	14-Jan-15	7.2	416	2.3	7.1
	23-Jan-15	7.2	402	3.4	7.1
	30-Jan-15	8.0	503	2.7	12.5
	6-Feb-15	7.9	513	4.0	11.7
	12-Feb-15	7.6	508	2.0	11.5
	27-Feb-15	7.8	379	3.2	13.0
	6-Mar-15	7.7	509	2.3	11.9
	13-Mar-15	7.7	361	6.1	10.3
	20-Mar-15	7.8	431	7.1	10.1
	26-Mar-15	7.9	409	5.9	10.8
	2-Apr-15	7.8	406	5.8	11.4
	10-Apr-15	7.6	270	6.2	11.5
	17-Apr-15	8.5	299	5.7	
	23-Apr-15	7.8	386	5.0	13.9
	1-May-15	7.6	257	6.1	12.8
	8-May-15	8.9	400	8.5	
	15-May-15	7.7	358	7.9	12.6
	21-May-15	7.8	355	7.2	14.4
	28-May-15	7.7	390	9.0	11.5
	4-Jun-15	7.8	389	8.8	11.3
	12-Jun-15	7.6	440	8.8	9.5
	18-Jun-15	7.7	494	10.2	9.4
	26-Jun-15	7.5	495	13.5	
	1-Jul-15	7.6	420	9.0	
	10-Jul-15	7.7	409	9.1	
	17-Jul-15	7.9	401	9.2	
	22-Jul-15	7.5	478	12.2	
	30-Jul-15	7.9	463	14.3	
	5-Aug-15	7.6	492	10.4	9.0
	13-Aug-15	8.0	497	11.4	9.1
	21-Aug-15	7.6	431	11.9	8.8
	28-Aug-15	8.4	444		
	3-Sep-15	8.1	487	12.0	11.6
	10-Sep-15	7.5	513	12.5	9.4
	18-Sep-15	7.5	484	11.5	9.7
	25-Sep-15	7.5	487	11.4	9.0
	2-Oct-15	7.1	461	10.8	8.0
	9-Oct-15	7.1	457	11.0	7.0
16-Oct-15	7.5	454	10.7	7.8	
23-Oct-15	7.3	467	10.5	8.0	
30-Oct-15	7.1	556	10.0	7.7	
5-Nov-15	7.9	518	10.3	7.5	
13-Nov-15	7.3	230	8.2	8.0	
19-Nov-15	7.4	563	9.6	10.5	
26-Nov-15	7.2	523	6.5	12.5	
4-Dec-15	7.3	460	7.2	12.2	
10-Dec-15	7.1	526	7.8	9.9	
17-Dec-15	7.6	460	7.3	10.9	

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	DO
		6.5 - 8.5	nc	nc	a
SW2 (cont'd)	23-Dec-15	7.5	470	8.2	11.3
	30-Dec-15	7.5	439	6.5	12.1
	8-Jan-16	7.3	427	6.0	12.3
	14-Jan-16	7.2	360	5.6	12.2
	22-Jan-16	7.5	443	1.1	13.0
	29-Jan-16	7.3	430	3.5	12.1
	5-Feb-16	7.2	458	6.0	12.0
	11-Feb-16	7.4	438	4.0	12.9
	18-Feb-16	7.7	474	5.8	13.0
	25-Feb-16	7.6	450	4.5	12.4
	4-Mar-16	7.1	430	3.4	12.7
	10-Mar-16	7.2	243	6.0	12.4
	18-Mar-16	7.5	379	5.5	13.1
	28-Mar-16	6.9	229	4.2	11.8
	1-Apr-16	7.2	234	5.5	11.5
	7-Apr-16	7.2	313	5.1	10.9
	15-Apr-16	7.2	314	6.1	11.9
	22-Apr-16	7.8	344	6.5	12.1
	29-Apr-16	7.9	397	6.2	13.6
	6-May-16	7.9	397	7.3	11.9
	13-May-16	7.8	546	9.0	
	20-May-16 (3)	7.8	546	9.0	
	27-May-16	7.8	423	9.0	10.1
	2-Jun-16	7.8	427	9.1	9.6
	10-Jun-16	7.7	587	7.9	10.5
	17-Jun-16	7.6	486	12.1	9.1
	24-Jun-16	7.5	445	8.8	9.3
	28-Jun-16	7.6	460	9.6	14.0
	8-Jul-16	7.5	491	9.3	12.0
	15-Jul-16	7.7	405	9.7	9.7
	22-Jul-16	7.4	475	10.1	9.5
	29-Jul-16	7.4	453	10.3	9.2
	5-Aug-16	7.9	209	12.0	9.9
	12-Aug-16	7.6	489	11.1	9.0
	19-Aug-16	7.6	486	11.2	7.9
	26-Aug-16	7.6	468	11.5	8.5
	2-Sep-16	7.1	126	12.1	4.0
	9-Sep-16	7.6	444	11.8	8.0
	16-Sep-16	7.6	436	11.6	8.5
	21-Sep-16	7.3	346	11.9	9.5
30-Sep-16	7.5	437	11.8	8.2	
7-Oct-16	7.5	439	11.9	8.9	
13-Oct-16	7.5	400	11.5	9.5	
19-Oct-16	7.7	486	11.6	11.8	
24-Oct-16	7.4	496	11.0	8.6	
27-Oct-16	7.8	433	10.4	8.3	
3-Nov-16	7.6	595	10.7	10.4	
11-Nov-16	6.1	421	9.7	11.2	
18-Nov-16	7.6	616	10.1	9.3	
24-Nov-16	7.6	448	9.2	9.7	

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	DO
		6.5 - 8.5	nc	nc	a
SW2 (cont'd)	2-Dec-16	7.7	540	9.2	5.9
	7-Dec-16	7.7	520	8.8	6.2
	16-Dec-16	7.6	719	8.3	10.5
	22-Dec-16	7.2	7	7.9	10.9
	30-Dec-16	7.1	600	7.5	10.4
	6-Jan-17	7.6	256	4.3	11.7
	13-Jan-17	7.5	498	5.6	11.6
	20-Jan-17	7.8	520	4.7	12.6
	26-Jan-17	7.8	544	6.3	11.8
	3-Feb-17	7.9	460	3.8	12.5
	10-Feb-17	7.8	424	4.0	13.5
	17-Feb-17	7.9	510	3.3	12.8
	19-Apr-17	7.0	461	8.6	15.2
	9-May-17	8.1	328	8.1	14.9
	16-May-17	7.9	612	8.3	11.6
	28-Jun-17	7.6	456	9.4	10.1
	18-Jul-17	7.7	496	11.8	12.3
	15-Aug-17	8.2	403	10.6	9.7
	18-Sep-17	6.5	513	10.8	8.9
	18-Oct-17	7.7	509	9.8	9.1
	15-Nov-17	7.6	498	7.7	8.9
	13-Dec-17 (2)				
	17-Jan-18	7.7	410	4.6	10.5
	22-Feb-18	7.6	350	6.2	10.7
	20-Mar-18	7.6	418	3.1	15.7
	18-Apr-18	8.1	695	4.9	12.1
	8-May-18	7.3	633	5.9	10.3
	14-May-18	7.5	633	7.9	10.6
	18-Jun-18	7.5	649	9.2	9.2
	19-Jul-18	7.3	643	9.6	9.2
	23-Aug-18	7.4	704	11.2	7.8
	19-Sep-18	7.5	622	11.7	8.4
	24-Oct-18	7.6	655	10.1	8.4
	21-Nov-18	7.4		5.8	9.5
	12-Dec-18	7.8	696	6.3	10.2
	18-Jan-19	7.7	662	4.2	11.3
	26-Feb-19				
	15-Mar-19 (2)				
	24-Apr-19	7.7	538	5.2	11.0
	14-May-19	7.8	554	6.7	11.2
23-May-19	7.7	538	7.7	10.1	
18-Jun-19	7.7	583	9.3	9.8	
29-Jul-19	7.5	585	10.0	8.9	
29-Aug-19	7.5	1,120	10.7	8.7	
26-Sep-19	7.1	565	11.4	8.2	
23-Oct-19	8.0	600	10.4	8.0	
22-Nov-19					
20-Dec-19					
15-Jan-20	8.0	456	1.2	7.6	
20-Feb-20					

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	DO
		6.5 - 8.5	nc	nc	a
SW2 (cont'd)	26-Mar-20	7.6	601	6.1	11.4
	27-Apr-20	7.7	457	6.7	10.7
	19-May-20	8.0	(6)		
	29-May-20	8.4	588	9.2	9.8
	23-Jun-20	7.7	610	8.7	9.3
	30-Jul-20	7.9	712	11.0	8.2
	25-Aug-20	7.2	631	11.3	8.3
	25-Sep-20	7.8	530	11.0	9.6
	30-Oct-20	7.8	510	9.4	7.1
	26-Nov-20	7.8	545	5.3	12.1
	23-Dec-20	7.5	675	5.5	8.6
	27-Jan-21	8.0	358	0.1	7.6
	22-Feb-21 (2)				
	29-Mar-21	7.6	547	7.0	13.3
	27-Apr-21	7.6	538	7.4	13.0
	27-May-21	7.4	640	8.4	13.7
	22-Jun-21	7.6	672	8.8	9.5
	22-Jul-21	7.8	742	10.3	8.9
	25-Aug-21	7.3	738	11.9	10.5
	28-Sep-21	7.3	714	9.6	
	26-Oct-21	7.4	659	10.3	9.4
	23-Nov-21	7.3	451	5.7	(6)
	21-Dec-21	7.6	498	5.5	8.1
	24-Jan-22 (2)				
	8-Feb-22 (2)				
	16-Mar-22	8.4	589	6.1	12.9
	21-Apr-22	8.0	546	0.1	10.5
	26-May-22	7.5	692	10.2	9.4
	25-Jun-22	7.4	687	7.8	6.7
	26-Aug-22	7.5	702	13.5	6.1
	27-Sep-22	7.4	759	12.0	4.7
	26-Oct-22	7.7	612	10.6	8.0
	21-Nov-22	8.0	600	6.3	8.9
20-Dec-22	7.8	461	5.6	8.3	
24-Jan-23	7.2	744	4.5	11.8	
22-Feb-23	7.5	740	3.6	12.7	
27-Mar-23	8.7	749	6.2	10.7	
21-Apr-23	6.3	608	10.7	11.8	
15-May-23	7.5	631	11.5	10.0	
26-Jun-23	7.8	748	10.2	6.8	
25-Jul-23	7.5	622	9.8	8.9	
28-Aug-23	7.5	618	12.9	7.6	
25-Sep-23	7.5	670	11.3	8.6	
30-Oct-23	8.2	566	9.2	12.7	
29-Nov-23	7.1	796	5.9	10.5	
18-Dec-23	7.3	776	7.4	10.0	
SW0-2	16-Jul-04	7.7	769	25.4	5.7
	22-Jul-04	8.0		29.2	7.2
	29-Jul-04	7.9	768	24.2	
	6-Aug-04	8.2	774	21.6	8.1

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	DO
		6.5 - 8.5	nc	nc	a
SW0-2 (cont'd)	12-Aug-04	8.1	683	15.5	
	20-Aug-04	8.0	801	20.0	6.0
	26-Aug-04	8.0	785	21.5	
	3-Sep-04	7.9	742	23.1	6.0
	9-Sep-04	8.3	716	15.8	7.9
	17-Sep-04	7.7	691	11.9	7.9
	1-Oct-04	8.0	825	17.1	8.8
	7-Oct-04	7.9	755	14.3	7.0
	14-Oct-04	7.8	709	10.2	7.9
	20-Oct-04	7.8	636	7.8	11.9
	28-Oct-04	8.0	803	11.7	9.3
	4-Nov-04	7.8	493	4.1	13.0
	11-Nov-04	7.8	528	3.4	
	19-Nov-04	7.9	624	7.7	
	25-Nov-04 (1)				
	2-Dec-04	7.4	436	0.1	11.3
	9-Dec-04	7.6	402	0.1	12.1
	17-Dec-04	7.3	441	0.1	10.3
	29-Dec-04 (2)				
	5-Jan-05	7.3	388	0.1	10.7
	13-Jan-05	7.2	197	0.1	
	20-Jan-05 (2)				
	28-Jan-05 (2)				
	3-Feb-05 (2)				
	10-Feb-05 (2)				
	16-Feb-05 (2)				
	24-Feb-05 (2)				
	3-Mar-05 (2)				
	10-Mar-05 (2)				
	17-Mar-05 (2)				
	24-Mar-05 (2)				
	30-Mar-05	7.8	373	2.6	
	7-Apr-05 (5)				
	15-Apr-05 (5)	7.1	307	3.1	11.8
	21-Apr-05	7.6	370	9.8	
	29-Apr-05	7.5	323	6.4	
	6-May-05	7.7	560	17.4	
	13-May-05	8.4	494	11.8	
	20-May-05	7.2	478	9.8	9.3
	27-May-05	7.7	679	20.8	8.4
3-Jun-05	7.6	670	19.8	9.1	
10-Jun-05	8.0	764	23.8	6.0	
17-Jun-05	7.2	535	15.7	6.7	
24-Jun-05	8.0	770	25.4		
30-Jun-05	7.9	808	23.7		
7-Jul-05	6.8	803	23.0	5.0	
15-Jul-05 (1)					
21-Jul-05 (1)					
28-Jul-05 (1)					
2-Aug-05 (1)					



Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
SW0-2 (cont'd)	12-Aug-05 (1)				
	19-Aug-05 (1)				
	24-Aug-05 (1)				
	1-Sep-05 (1)				
	9-Sep-05 (1)				
	16-Sep-05 (1)				
	23-Sep-05 (1)				
	30-Sep-05 (1)				
	7-Oct-05 (1)				
	21-Oct-05	8.1	630	10.0	11.0
	28-Oct-05	7.9	564	6.5	12.3
	4-Nov-05	7.7	654	11.1	9.4
	11-Nov-05	7.8	515	5.0	12.3
	18-Nov-05	7.1	850	0.3	
	2-Dec-05	8.5	437	0.1	11.3
	9-Dec-05	8.9	476	0.1	8.1
	16-Dec-05	7.8	490	0.1	9.1
	22-Dec-05	7.6	481	0.1	6.7
	20-Feb-06 (2)				
	24-Feb-06 (2)				
	3-Mar-06 (2)				
	8-Dec-06 (2)				
	28-Dec-06	7.8	842	0.3	13.3
	5-Jan-07	7.9	770	4.7	12.1
	12-Jan-07	7.8	740	0.1	
	19-Jan-07 (2)				
	26-Jan-07 (2)				
	2-Feb-07 (2)				
	9-Feb-07 (2)				
	16-Feb-07 (2)				
	22-Feb-07 (2)				
	2-Mar-07 (2)				
	9-Mar-07 (2)				
	16-Mar-07	7.8	526	0.1	7.3
	23-Mar-07	7.6	490	0.5	10.6
	30-Mar-07	7.9	596	4.6	12.1
	5-Apr-07	7.2	372	0.1	12.0
	13-Apr-07	8.0	561	1.1	13.7
	20-Apr-07	8.1	572	11.5	
	28-Apr-07	8.3	550	10.3	10.3
	4-May-07	8.2	576	14.2	10.3
11-May-07	8.0	644	15.6	8.6	
18-May-07	8.0	612	12.9	9.8	
25-May-07	7.7	644	18.9	7.1	
1-Jun-07	7.7	670	20.5	5.6	
8-Jun-07	7.6	743	20.3	5.4	
14-Jun-07	7.6	761	19.6	5.7	
22-Jun-07 (1)					
29-Jun-07	8.0	743	20.5	6.4	
6-Jul-07	8.0	743	20.5	6.4	

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
SW0-2 (cont'd)	13-Jul-07	8.2	785	18.0	8.2
	20-Jul-07	7.4	756	17.1	8.1
	27-Jul-07 (1)				
	3-Aug-07 (1)				
	10-Aug-07 (1)				
	17-Aug-07 (1)				
	24-Aug-07	7.8	913	18.9	6.5
	30-Aug-07	7.8	872	18.0	7.1
	7-Sep-07	7.4	860	19.4	6.5
	14-Sep-07	7.4	740	13.4	7.9
	21-Sep-07	8.1	793	15.4	8.2
	28-Sep-07	8.4	817	13.3	7.9
	5-Oct-07	7.4	876	13.0	8.1
	12-Oct-07	7.2	713	8.6	8.5
	19-Oct-07	7.7	779	14.4	7.5
	26-Oct-07	7.3	757	8.6	10.8
	2-Nov-07	7.5	819	5.7	10.9
	9-Nov-07	7.4	776	2.5	12.0
	16-Nov-07	7.3	790	1.5	13.0
	23-Nov-07 (2)				
	30-Nov-07 (2)				
	7-Dec-07 (2)				
	14-Dec-07 (3)				
	20-Dec-07 (2)				
	28-Dec-07 (2)				
	4-Jan-08 (2)				
	11-Jan-08	7.1	478	0.4	10.7
	18-Jan-08 (2)				
	25-Jan-08 (2)				
	1-Feb-08 (2)				
	8-Feb-08 (2)				
	15-Feb-08 (2)				
	22-Feb-08 (2)				
29-Feb-08 (2)					
7-Mar-08 (2)					
14-Mar-08 (2)					
20-Mar-08 (2)					
28-Mar-08 (2)					
4-Apr-08	7.2	485	0.3		
11-Apr-08	7.0	431	2.1	11.8	
15-Apr-08 (3)					
18-Apr-08	6.8	494	10.2	8.5	
25-Apr-08	7.8	552	10.5	7.1	
2-May-08	7.0	617	8.1	9.4	
8-May-08	6.7	584	8.5	9.9	
15-May-08	7.5	683	12.2	8.1	
23-May-08	7.8	557	10.9	7.8	
30-May-08	6.3	566	8.1	10.5	
6-Jun-08	7.0	627	24.2	5.4	
13-Jun-08	7.0	655	18.5	5.1	

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
SW0-2 (cont'd)	20-Jun-08	7.8	723	14.3	5.7
	27-Jun-08	6.7	815	20.5	4.6
	4-Jul-08	6.8	778	16.3	6.5
	11-Jul-08	6.9	773	17.3	5.2
	18-Jul-08	7.4	879	21.1	3.9
	25-Jul-08	7.3	707	18.4	4.3
	1-Aug-08	7.2	701	18.3	3.9
	8-Aug-08	7.4	549	17.1	4.2
	15-Aug-08	6.4	732	15.8	4.0
	22-Aug-08	7.3	740	20.2	4.7
	28-Aug-08	7.3		16.0	6.1
	5-Sep-08	7.6	874	17.5	5.6
	12-Sep-08	7.6	851	13.8	5.4
	19-Sep-08	7.9	568	10.9	6.0
	26-Sep-08	7.4	854	12.8	5.7
	3-Oct-08	7.3	665	7.4	7.7
	10-Oct-08	6.8	791	7.4	8.5
	17-Oct-08	6.5	748	7.9	5.9
	24-Oct-08	7.6	670	3.3	6.8
	31-Oct-08	8.1	720	2.5	9.1
	7-Nov-08	9.9	451	8.2	5.7
	14-Nov-08	8.8	609	6.3	8.1
	21-Nov-08 (2)				
	28-Nov-08 (2)				
	30-Nov-08 (2)				
	7-Dec-08 (2)				
	19-Dec-08 (2)				
	23-Dec-08 (2)				
	29-Dec-08 (2)				
	9-Jan-09 (2)				
	16-Jan-09 (2)				
	23-Jan-09 (2)				
	30-Jan-09 (2)				
	6-Feb-09 (2)				
	13-Feb-09 (2)				
	20-Feb-09 (2)				
27-Feb-09 (2)					
6-Mar-09 (2)					
13-Mar-09 (2)					
20-Mar-09	8.4	526	0.2	11.2	
27-Mar-09	7.1	566	2.3		
3-Apr-09	7.5	498	6.4	10.3	
9-Apr-09 (2)					
17-Apr-09	7.8	529	5.8	11.8	
24-Apr-09	8.0	530	7.4	11.7	
1-May-09	7.8	378	14.5	8.5	
8-May-09	7.5	555	13.9	6.8	
15-May-09	7.9	470	12.5	10.2	
22-May-09	7.7	517	14.5	3.3	
29-May-09	7.7	559	13.1	6.7	

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
SW0-2 (cont'd)	5-Jun-09	7.5	546	13.7	3.5
	12-Jun-09	7.8	623	15.8	7.2
	19-Jun-09	7.2	1,214	16.6	7.5
	26-Jun-09	7.7	687	25.1	5.6
	2-Jul-09	7.5	584	16.4	6.2
	10-Jul-09			17.8	6.2
	17-Jul-09	8.8	740	14.8	6.1
	24-Jul-09	7.7	732	17.5	6.2
	31-Jul-09	7.5	742	17.2	5.8
	7-Aug-09	7.6	782	14.9	5.0
	14-Aug-09	8.9	707	15.8	8.5
	21-Aug-09	8.0	788	18.8	5.6
	28-Aug-09	8.3	734	14.1	8.1
	4-Sep-09	8.4	654	13.1	9.2
	11-Sep-09	8.0	752	13.6	7.8
	18-Sep-09	7.7	826	12.5	7.5
	25-Sep-09	7.8	678	12.3	8.2
	9-Oct-09	7.5	764	9.4	10.4
	16-Oct-09	7.9	774	2.0	12.2
	23-Oct-09			4.2	7.9
	30-Oct-09	7.9	735	3.1	9.1
	6-Nov-09	7.3	711	2.2	12.4
	13-Nov-09	7.5	786	2.5	7.5
	20-Nov-09	7.2	350	5.7	10.9
	27-Nov-09		682	3.6	11.6
	4-Dec-09	7.2	605	0.8	13.0
	11-Dec-09 (2)				
	18-Dec-09 (2)				
	22-Dec-09 (2)				
	28-Dec-09 (2)				
	8-Jan-10 (2)				
	15-Jan-10 (2)				
	22-Jan-10 (2)				
	29-Jan-10 (2)				
	5-Feb-10 (2)				
	12-Feb-10 (2)				
19-Feb-10 (2)					
1-Mar-10 (2)					
5-Mar-10 (2)					
12-Mar-10 (2)					
19-Mar-10	7.5	464	7.6	9.4	
26-Mar-10	7.2	535	0.6	11.2	
2-Apr-10	6.6	451	10.7	9.2	
9-Apr-10	7.3	582	4.8	12.4	
16-Apr-10	7.6	494	12.2	8.5	
23-Apr-10	7.8	443	7.9	9.5	
30-Apr-10	7.7	458	10.7	8.4	
7-May-10	7.8	396	10.4	9.1	
14-May-10	7.8	346	11.1	10.8	
21-May-10	7.8	578	17.7	7.1	

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
SW0-2 (cont'd)	28-May-10	7.7	607	23.2	5.5
	4-Jun-10	7.7	427	17.0	5.3
	11-Jun-10	7.8	471	15.8	5.7
	18-Jun-10	7.2	604	18.2	8.8
	25-Jun-10	7.7	585	18.6	7.6
	9-Jul-10	7.2	532	20.0	4.7
	15-Jul-10	7.8	722	23.4	2.4
	23-Jul-10	7.6	573	10.4	7.3
	30-Jul-10	7.8	552	18.8	7.1
	6-Aug-10	7.7	636	18.6	8.6
	13-Aug-10	7.7	703	21.2	4.3
	20-Aug-10	7.6	651	16.1	6.5
	27-Aug-10	7.5	407	14.8	6.2
	30-Aug-10	7.6	632	17.8	4.6
	1-Sep-10	7.7	706	20.2	4.1
	3-Sep-10	7.7	720	19.8	3.9
	7-Sep-10	7.6	521	15.9	5.2
	10-Sep-10	7.8	510	13.1	6.8
	17-Sep-10	7.6	475	11.2	7.4
	24-Sep-10	7.8		16.2	6.1
	1-Oct-10	7.6	523	11.3	7.0
	8-Oct-10	7.6	563	9.5	8.2
	15-Oct-10	7.6	561	9.4	8.3
	22-Oct-10	7.7	441	3.1	10.3
	29-Oct-10	7.6	416	6.4	5.1
	5-Nov-10	7.8	413	1.5	11.2
	12-Nov-10	7.8	469	3.1	10.7
	19-Nov-10	8.1	357	1.3	12.3
	26-Nov-10	7.8	345	0.3	11.8
	3-Dec-10	7.8	334	0.2	10.3
	9-Dec-10 (2)				
	17-Dec-10 (2)				
	23-Dec-10 (2)				
	30-Dec-10 (2)				
	7-Jan-11 (2)				
	14-Jan-11 (2)				
	21-Jan-11 (2)				
	28-Jan-11 (2)				
	4-Feb-11 (2)				
	11-Feb-11 (2)				
18-Feb-11 (2)					
25-Feb-11 (2)					
4-Mar-11 (2)					
11-Mar-11 (2)					
18-Mar-11 (2)					
22-Mar-11 (3)					
25-Mar-11 (2)					
1-Apr-11	7.3	301	2.0	11.2	
8-Apr-11	7.4	299	2.7	9.2	
15-Apr-11	7.7	252	3.4	11.7	

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
SW0-2 (cont'd)	21-Apr-11	8.0	287	2.8	13.1
	29-Apr-11		309	5.1	12.2
	6-May-11	8.1	307	8.6	9.3
	13-May-11	8.2	347	10.3	9.3
	20-May-11	7.9	349	14.1	8.6
	27-May-11	8.1	320	10.9	9.0
	3-Jun-11	7.8	448	15.5	9.9
	10-Jun-11	7.9	482	16.5	9.4
	17-Jun-11	7.8	514	16.7	8.1
	24-Jun-11	7.9	538	16.8	6.8
	30-Jun-11	7.8	505	15.7	10.3
	8-Jul-11	8.0	652	20.1	8.2
	14-Jul-11	7.8	633	17.6	6.9
	22-Jul-11	7.7	707	22.2	8.1
	29-Jul-11	7.7	567	20.6	5.6
	12-Aug-11	8.0	689	17.8	6.0
	19-Aug-11	8.0	478	18.0	5.9
	26-Aug-11	8.0	741	19.1	6.1
	2-Sep-11	7.8	398	20.9	8.7
	9-Sep-11	8.0	640	15.9	6.2
	16-Sep-11	7.7	475	9.7	8.3
	23-Sep-11	7.7	557	12.9	5.4
	30-Sep-11	8.2	552	13.7	8.3
	6-Oct-11	8.2	453	8.1	5.9
	14-Oct-11	7.8	486	14.3	6.3
	21-Oct-11	7.8	401	8.7	9.6
	28-Oct-11	8.6	475	5.4	11.2
	4-Nov-11	8.0	435	4.3	11.2
	11-Nov-11	7.6	498	3.3	5.3
	18-Nov-11	7.6	445	0.8	12.6
	25-Nov-11	7.9	449	3.8	8.4
	2-Dec-11	7.9	346	0.6	14.6
	9-Dec-11	7.3	327	0.2	11.4
	16-Dec-11	7.5	280	1.3	14.0
	23-Dec-11 (2)				
	30-Dec-11 (2)				
	6-Jan-12 (2)				
	13-Jan-12 (2)				
	20-Jan-12 (2)				
	27-Jan-12 (2)				
	3-Feb-12 (2)				
	10-Feb-12 (2)				
17-Feb-12 (2)					
24-Feb-12 (2)					
1-Mar-12 (2)					
9-Mar-12 (2)					
16-Mar-12	7.5	250	6.0	11.6	
23-Mar-12	7.5		10.6	7.6	
30-Mar-12	7.8	290	2.5	8.1	
6-Apr-12 (3)					

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
SW0-2 (cont'd)	13-Apr-12	8.0	340	5.4	10.9
	20-Apr-12	7.9	401	8.6	4.4
	27-Apr-12	8.0	288	3.0	12.3
	4-May-12	7.8	452	13.9	3.6
	11-May-12	7.8	298	9.0	10.6
	18-May-12	8.0	489	10.8	8.5
	25-May-12	7.5	501	11.5	9.0
	1-Jun-12	8.2	467	10.6	8.5
	8-Jun-12	8.1	558	16.8	7.9
	15-Jun-12	8.1	562	18.2	7.9
	22-Jun-12	8.0	726	20.0	7.4
	28-Jun-12	8.2	648	18.7	6.3
	6-Jul-12	8.0	853	22.4	5.3
	13-Jul-12	8.1	683	18.8	5.6
	20-Jul-12	7.9	781	19.2	4.9
	27-Jul-12	7.9	691	18.9	5.9
	3-Aug-12	7.9	720	18.6	4.0
	10-Aug-12	7.8	524	16.2	6.0
	17-Aug-12	7.9	461	17.3	5.3
	24-Aug-12	8.2	667	16.7	8.6
	31-Aug-12	7.7	757	18.5	7.2
	7-Sep-12	8.2	716	16.3	4.2
	14-Sep-12	7.0	593	15.2	1.9
	21-Sep-12	8.0	534	10.8	8.7
	28-Sep-12	6.5	648	7.8	9.8
	5-Oct-12	7.1	736	14.3	7.2
	12-Oct-12	8.0	574	4.7	11.3
	19-Oct-12	8.4	724	12.2	4.4
	26-Oct-12	7.3	615	10.4	4.7
	2-Nov-12	6.3	386	1.8	6.9
	9-Nov-12	7.6	363	2.2	11.2
	16-Nov-12	8.1	438	2.8	8.0
	23-Nov-12	7.7	443	6.4	7.4
30-Nov-12	7.6	433	5.2	7.3	
7-Dec-12	7.5	386	1.1	8.9	
14-Dec-12	7.7	365	0.8	12.3	
21-Dec-12	7.4	404	0.1	12.2	
28-Dec-12 (2)					
4-Jan-13 (2)					
11-Jan-13 (2)					
17-Jan-13 (2)					
25-Jan-13 (2)					
1-Feb-13 (2)					
8-Feb-13 (2)					
15-Feb-13 (2)					
22-Feb-13 (2)					
1-Mar-13 (2)					
8-Mar-13 (2)					
15-Mar-13 (2)					
22-Mar-13 (2)					

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
SW0-2 (cont'd)	28-Mar-13	7.9	303	1.5	9.8
	5-Apr-13	8.0	250	0.0	6.9
	12-Apr-13	8.2	230	1.7	7.0
	19-Apr-13	7.6	277	11.2	8.7
	26-Apr-13	7.8	262	4.7	6.1
	3-May-13	7.8	293	15.2	10.5
	9-May-13	7.8	475	13.6	7.5
	16-May-13	7.8	410	11.3	8.2
	24-May-13	7.7	322	5.9	8.4
	31-May-13	7.7	509	19.5	8.5
	7-Jun-13		351	11.6	6.2
	14-Jun-13	7.9	517	19.5	5.4
	21-Jun-13	7.8	539	14.9	8.1
	27-Jun-13	7.9	536	15.2	8.1
	5-Jul-13	7.7	621	19.2	6.3
	12-Jul-13	7.6	582	14.7	7.0
	19-Jul-13	7.8	556	19.6	5.6
	25-Jul-13	7.7	523	14.6	8.9
	2-Aug-13	8.1	576	18.2	8.6
	8-Aug-13	8.1	565	19.0	8.5
	16-Aug-13	8.0	560	19.2	8.4
	23-Aug-13	8.1	562	19.2	8.5
	30-Aug-13	8.2	548	19.2	8.3
	6-Sep-13	8.1	530	18.7	8.1
	13-Sep-13	8.2	530	12.9	8.6
	20-Sep-13	8.2	556	17.4	8.1
	27-Sep-13	7.8	550	12.6	8.2
	4-Oct-13	7.6	545	10.2	8.2
	11-Oct-13	7.5	540	10.2	8.0
	18-Oct-13	7.5	539	9.8	9.0
	25-Oct-13	7.6	423	7.6	3.9
	31-Oct-13	7.5	406	7.4	3.9
	8-Nov-13	7.3	398	7.4	3.8
	14-Nov-13	7.4	350	3.3	3.0
	22-Nov-13	7.3	360	3.7	3.2
	29-Nov-13				
	6-Dec-13	7.6	258	(0)	7.3
	13-Dec-13 (2)				
	19-Dec-13 (2)				
	27-Dec-13 (2)				
3-Jan-14					
10-Jan-14					
17-Jan-14					
24-Jan-14					
31-Jan-14					
7-Feb-14					
14-Feb-14					
21-Feb-14					
28-Feb-14					
7-Mar-14					



Surface Water Station	PWQO	pH (su)	EC (µS/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
SW0-2 (cont'd)	14-Mar-14				
	21-Mar-14				
	28-Mar-14				
	4-Apr-14				
	11-Apr-14				
	17-Apr-14	7.8	491	4.2	8.0
	25-Apr-14	7.8	486	4.0	8.2
	1-May-14	7.6	480	4.3	8.2
	9-May-14	7.6	421	11.0	4.3
	16-May-14	7.1	450	10.0	8.2
	23-May-14	7.1	432	9.9	8.7
	30-May-14	7.1	423	10.1	8.8
	6-Jun-14	7.1	430	11.3	8.6
	13-Jun-14	7.2	432	12.5	8.5
	20-Jun-14	7.2	442	13.2	8.5
	27-Jun-14	7.2	421	14.2	7.9
	4-Jul-14	7.1	406	14.6	7.8
	11-Jul-14	7.1	413	14.6	7.8
	18-Jul-14	8.4	600	15.1	
	25-Jul-14	8.7	608	14.9	
	1-Aug-14	8.6	565	15.0	4.9
	8-Aug-14	8.5	562	15.3	4.9
	15-Aug-14	8.5	486	13.2	5.2
	22-Aug-14	8.6	639	16.1	7.5
	29-Aug-14	8.6	659	14.9	
	5-Sep-14 (3)				
	12-Sep-14	7.8	623	12.0	6.2
	19-Sep-14	7.9	449	10.3	4.9
	26-Sep-14	7.9	440	10.3	5.0
	3-Oct-14	7.7	425	12.9	4.7
	10-Oct-14	7.6	420	11.9	4.5
	16-Oct-14	7.5	430	12.1	4.0
	24-Oct-14	7.6	489	7.6	6.9
	31-Oct-14	7.6	423	7.0	6.0
	7-Nov-14	7.3	431	0.5	7.0
	14-Nov-14	7.2	428	0.2	6.8
20-Nov-14	7.3	432	(1)	6.2	
28-Nov-14 (2)					
5-Dec-14 (2)					
12-Dec-14 (2)					
19-Dec-14 (2)					
26-Dec-14	7.2	418	1.3	7.0	
2-Jan-15 (2)					
8-Jan-15 (2)					
14-Jan-15 (2)					
22-Jan-15 (2)					
30-Jan-15 (2)					
6-Feb-15 (2)					
12-Feb-15 (2)					
27-Feb-15 (2)					

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	DO	
		6.5 - 8.5	nc	nc	a	
SW0-2 (cont'd)	6-Mar-15 (2)					
	13-Mar-15 (2)					
	20-Mar-15 (2)					
	26-Mar-15 (2)					
	2-Apr-15		7.6	281	2.8	9.8
	10-Apr-15 (5)					
	17-Apr-15 (5)					
	23-Apr-15		8.0	343	2.5	13.2
	1-May-15		8.0	447	8.1	9.1
	8-May-15		9.2	523	17.3	
	15-May-15		7.8	413	11.4	9.2
	21-May-15		8.0	420	11.2	11.4
	28-May-15		7.9	506	16.7	8.7
	4-Jun-15		8.1	507	15.5	9.5
	12-Jun-15		7.7	523	14.1	7.3
	18-Jun-15		7.8	579	17.8	6.9
	26-Jun-15 (3)					
	1-Jul-15 (3)					
	10-Jul-15		7.9	545	15.9	
	17-Jul-15		8.0	541	15.5	
	22-Jul-15		7.8	683	20.5	7.7
	30-Jul-15		8.1	743	24.6	
	5-Aug-15		7.6	541	14.7	6.1
	13-Aug-15		7.9	611		
	21-Aug-15		8.0	543	13.7	7.2
	28-Aug-15		8.1	565	14.6	7.8
	3-Sep-15		8.0	710	19.6	7.6
	10-Sep-15		7.7	621	18.6	7.1
	18-Sep-15		7.7	654	16.4	8.3
	25-Sep-15		7.6	583	14.0	9.6
	2-Oct-15		7.6	501	6.9	10.6
	9-Oct-15		7.7	530	10.4	8.5
	16-Oct-15		7.8	483	10.5	10.5
	23-Oct-15		7.6	464	5.9	10.8
	30-Oct-15		7.5	424	6.5	10.0
	5-Nov-15		7.5	445	9.9	6.3
13-Nov-15		7.3	358	5.2	8.1	
19-Nov-15		7.7	535	9.8	12.1	
26-Nov-15		7.3	362	1.0	15.3	
4-Dec-15		7.5	390	2.0	15.5	
10-Dec-15		7.4	465	4.7	11.4	
17-Dec-15		7.7	370	3.6	11.3	
23-Dec-15		7.4	378	5.1	10.9	
30-Dec-15		7.4	321	(0)	11.4	
8-Jan-16		7.2	355	0.1	12.1	
14-Jan-16 (2)						
22-Jan-16 (2)						
29-Jan-16 (2)						
5-Feb-16 (2)						
11-Feb-16 (2)						

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
SW0-2 (cont'd)	18-Feb-16 (2)				
	25-Feb-16 (2)				
	4-Mar-16 (2)				
	10-Mar-16	6.9	210	(0)	10.4
	18-Mar-16	7.4	289	0.9	10.8
	28-Mar-16	6.6	132	1.0	11.5
	1-Apr-16	7.3	170	4.7	9.6
	7-Apr-16	7.4	219	0.2	12.5
	15-Apr-16	7.0	256	2.7	12.9
	22-Apr-16	7.9	426	10.7	8.6
	29-Apr-16	7.4	352	4.7	11.2
	6-May-16	7.9	424	9.2	8.5
	13-May-16	8.1	566	13.8	
	20-May-16	8.0	570	13.5	8.7
	27-May-16	7.8	543	16.5	6.4
	2-Jun-16	7.9	544	15.9	6.5
	10-Jun-16	7.9	629	10.5	9.1
	17-Jun-16	7.9	581	14.4	8.0
	24-Jun-16	7.9	573	13.7	8.8
	28-Jun-16	8.0	609	16.0	10.7
	8-Jul-16	8.0	661	18.3	8.0
	15-Jul-16	7.9	562	18.0	6.9
	22-Jul-16	7.6	636	19.0	5.4
	29-Jul-16	7.8	606	16.4	5.9
	5-Aug-16 (1)				
	12-Aug-16 (1)				
	19-Aug-16 (3)				
	26-Aug-16 (3)				
	2-Sep-16 (3)				
	9-Sep-16 (3)				
	16-Sep-16 (3)				
	21-Sep-16 (3)				
	30-Sep-16 (3)				
7-Oct-16	7.9	576	13.9	9.1	
13-Oct-16 (3)					
19-Oct-16 (3)					
24-Oct-16	7.5	529	7.0	11.0	
27-Oct-16	8.0	396	1.7	12.0	
3-Nov-16	7.6	504	8.1	10.8	
11-Nov-16 (3)	7.8	409	5.0	12.2	
18-Nov-16	7.8	695	6.7	11.3	
24-Nov-16	7.4	369	1.5	11.8	
2-Dec-16	7.5	340	2.3	7.2	
7-Dec-16 (3)					
16-Dec-16	7.7	334	(0)	4.5	
22-Dec-16 (2)					
30-Dec-16 (2)					
6-Jan-17 (2)					
13-Jan-17 (2)					
20-Jan-17 (2)					

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	DO
		6.5 - 8.5	nc	nc	a
SW0-2 (cont'd)	26-Jan-17	7.5	362	(0)	10.1
	3-Feb-17 (2)				
	10-Feb-17 (2)				
	17-Feb-17 (2)				
	19-Apr-17	7.2	423	11.2	11.5
	10-May-17	8.3	353	11.4	12.8
	16-May-17	8.2	483	17.4	7.8
	28-Jun-17	7.6	535	14.5	7.4
	18-Jul-17	6.1	666	19.6	9.2
	15-Aug-17	8.3	505	16.0	7.0
	18-Sep-17	7.7	649	14.2	7.7
	17-Oct-17	7.8	443	6.8	9.7
	14-Nov-17	7.7	413	0.5	12.8
	13-Dec-17 (2)				
	17-Jan-18 (2)				
	22-Feb-18	7.5	235	(0)	8.7
	18-Mar-18 (2)				
	20-Mar-18	7.5	358	(0)	11.4
	18-Apr-18 (2)				
	8-May-18	7.5	527	9.3	5.1
	15-May-18	7.6	555	12.5	5.2
	18-Jun-18	7.7	641	18.8	6.3
	19-Jul-18	7.7	712	15.6	6.3
	23-Aug-18	7.6	628	15.2	4.5
	19-Sep-18	7.6	734	14.6	6.1
	24-Oct-18	7.5	641	2.9	10.0
	21-Nov-18	7.6	674	0.0	9.1
	12-Dec-18 (2)	8.1	637	0.3	9.9
	18-Jan-19				
	26-Feb-19				
	15-Mar-19 (2)				
	24-Apr-19	7.6	421	4.8	6.3
	14-May-19	7.7	381	6.1	8.9
	23-May-19	7.6	497	10.8	4.0
	18-Jun-19	7.5	542	17.7	5.0
	29-Jul-19	7.8	637	18.9	6.9
	29-Aug-19	7.7	1,332	15.2	6.4
	26-Sep-19	7.2	685	13.4	5.1
	23-Oct-19	7.4	743	7.3	7.3
	22-Nov-19				
20-Dec-19					
15-Jan-20					
20-Feb-20					
26-Mar-20					
27-Apr-20	7.7	511	6.2	8.1	
19-May-20	7.9	570	8.9	6.7	
29-May-20	8.1	569	18.8	3.3	
23-Jun-20	7.7	616	19.0	4.2	
30-Jul-20	7.4	728	18.8	3.0	
25-Aug-20	7.3	709	19.2	4.7	

Surface Water Station	PWQO	pH (su)	EC (µS/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
SW0-2 (cont'd)	25-Sep-20	7.8	530	10.4	5.3
	30-Oct-20	7.3	654	7.0	7.0
	26-Nov-20	7.4	662	4.9	11.8
	27-Jan-21 (2)				
	22-Feb-21 (2)				
	29-Mar-21	7.3	533	5.0	7.5
	27-Apr-21	7.4	556	7.7	6.9
	26-May-21	7.4	699	17.6	5.2
	27-May-21	7.4	699	17.6	5.2
	22-Jun-21	7.6	712	14.7	6.6
	22-Jul-21	7.4	697	17.2	3.1
	25-Aug-21	7.1	830	19.3	2.3
	28-Sep-21 (3)				
	26-Oct-21	7.4	633	6.2	8.5
	23-Nov-21	7.5	649	4.4	8.6
	21-Dec-21	7.5	635	4.1	8.7
	24-Jan-22 (2)				
	8-Feb-22 (2)				
	16-Mar-22 (2)				
	21-Apr-22	7.7	647	4.6	11.7
	24-May-22	7.6	726	15.3	7.0
	25-Jun-22	7.2	854	10.4	13.1
	26-Aug-22	7.6	875	16.5	12.0
	27-Sep-22	7.3	724	13.7	11.9
	26-Oct-22	7.7	651	10.0	5.2
	21-Nov-22	7.9	522	0.0	5.9
	20-Dec-22	7.5	414	0.2	6.7
	24-Jan-23 (2)	6.7	722	0.0	6.2
	22-Feb-23 (2)				
	27-Mar-23	8.4	569	0.1	6.5
	21-Apr-23	6.2	534	10.1	8.1
	15-May-23	7.6	647	15.2	7.0
	26-Jun-23	7.7	779	18.7	7.8
	25-Jul-23	7.7	620	17.7	17.7
28-Aug-23	6.8	658	15.6	4.8	
25-Sep-23	7.4	709	13.1	3.7	
30-Oct-23	8.2	527	6.2	6.7	
29-Nov-23 (2)	7.0	866	0.3	5.7	
18-Dec-23	7.3	756	1.5	10.1	
QFSW2	24-Feb-04	7.8	482	4.1	10.8
	8-Apr-04 (5)				
	16-Apr-04 (5)				
	23-Apr-04	7.8	374	5.9	
	30-Apr-04	8.1	640	11.9	
	7-May-04 (3)				
	14-May-04	7.8	538	11.8	
	20-May-04	7.9	559	11.2	
	28-May-04	7.9	477	9.7	
	4-Jun-04	7.8	590	15.7	
11-Jun-04	7.8	652	16.0		

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
QFSW2 (cont'd)	17-Jun-04	7.7	649	14.0	
	23-Jun-04	7.9	701	15.2	
	1-Jul-04	7.7	662	13.1	
	9-Jul-04 (3)				
	22-Jul-04	7.8		19.6	
	29-Jul-04	7.6	659	16.3	
	6-Aug-04	7.8	708	16.6	
	12-Aug-04	7.8	712	15.5	
	19-Aug-04	7.7	757	17.3	
	26-Aug-04	7.7	712	17.0	
	3-Sep-04	7.8	679	17.2	
	9-Sep-04	8.0	713	14.3	
	17-Sep-04	7.7	732	13.7	
	23-Sep-04	7.6	803	16.3	
	1-Oct-04	7.6	783	14.6	
	7-Oct-04	7.8	774	14.3	
	14-Oct-04	7.6	712	11.4	
	20-Oct-04	7.7	692	9.8	
	28-Oct-04	7.7	809	10.7	
	4-Nov-04	7.6	595	8.0	
	11-Nov-04	7.7	611	7.3	
	19-Nov-04	7.6	641	7.9	10.7
	25-Nov-04	7.6	624	5.4	10.5
	2-Dec-04	7.6	564	5.9	10.8
	9-Dec-04	7.5	477	4.6	10.6
	17-Dec-04	7.6	814	3.3	
	29-Dec-04 (2)				
	5-Jan-05	7.5	492	4.6	11.0
	13-Jan-05	7.3	373	3.4	11.3
	20-Jan-05	7.1	430	2.7	11.0
	28-Jan-05	7.3	447	3.0	10.3
	3-Feb-05	7.3	452	3.2	10.6
	10-Feb-05	7.1	477	4.4	10.3
16-Feb-05	7.6	467	3.9	10.8	
3-Mar-05	7.2	469	2.9	10.8	
10-Mar-05	7.4	500	4.5	10.7	
17-Mar-05	7.2	457	4.1	10.3	
24-Mar-05	7.2	477	4.9	10.3	
30-Mar-05	7.5	477	6.1	10.4	
7-Apr-05	7.4	376	4.2	10.5	
15-Apr-05	6.9	410	4.9	10.5	
21-Apr-05	7.1	417	5.6	9.2	
29-Apr-05	7.2	414	6.1	10.4	
6-May-05	7.0	634	9.9		
13-May-05	7.9	509	8.8	10.0	
20-May-05	7.6	530	10.9	9.6	
27-May-05	7.3	570	12.2	9.1	
3-Jun-05	6.7	585	12.3	8.5	
10-Jun-05	7.3	626	14.9	8.4	
17-Jun-05	7.2	610	13.0	7.7	

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	DO
		6.5 - 8.5	nc	nc	a
QFSW2 (cont'd)	24-Jun-05	7.6	701	18.0	9.4
	30-Jun-05	7.2	690	17.1	
	7-Jul-05	6.6	852	16.9	8.0
	15-Jul-05	6.5	977	18.1	7.6
	21-Jul-05	8.1	1,361	19.1	7.1
	28-Jul-05	6.9	1,270	17.1	7.3
	2-Aug-05	8.1	802	17.8	5.7
	12-Aug-05	7.0	1,176	17.6	9.5
	19-Aug-05	7.5	729	18.0	
	24-Aug-05	7.7	734	18.1	8.8
	1-Sep-05		712	17.9	8.7
	9-Sep-05	6.9	722	18.5	9.0
	16-Sep-05	7.3	739	17.4	
	23-Sep-05	7.8	718	17.9	9.0
	30-Sep-05	8.0	701	16.1	9.1
	7-Oct-05	8.6	815	14.9	
	14-Oct-05	8.2	695	15.0	9.0
	21-Oct-05	8.4	689	13.7	
	4-Nov-05	8.2	708	11.0	
	11-Nov-05	8.4	681	9.4	10.6
	18-Nov-05	8.6	943	6.4	
	25-Nov-05	8.4	592	6.3	10.0
	2-Dec-05	9.2	583	5.8	10.3
	9-Dec-05	9.1	583	5.5	9.8
	16-Dec-05 (5)	8.2	620	4.7	9.4
	22-Dec-05	8.2	635	4.6	10.7
	6-Jan-06	8.1	592	5.7	10.7
	13-Jan-06	7.0	553	5.9	10.4
	20-Jan-06	7.2	524	4.9	10.3
	27-Jan-06	7.5	582	5.0	10.8
	3-Feb-06	7.7	526	4.8	10.9
	10-Feb-06	8.1	530	4.4	11.1
	20-Feb-06	8.6	539	4.6	
	24-Feb-06	8.0	519	3.7	
	3-Mar-06	7.9	523	2.0	
	10-Mar-06	8.1	447	3.4	12.6
	20-Mar-06	8.3	703	3.2	
	24-Mar-06	8.1	463	5.0	
	31-Mar-06	8.0	617	7.7	
	7-Apr-06 (5)				
13-Apr-06	8.0	623	8.2		
21-Apr-06	8.1	634	9.0		
26-Apr-06	8.2	693	8.6		
5-May-06	8.0	662	9.9		
12-May-06	8.6	724	10.2		
19-May-06	7.4	854	9.5		
25-May-06	7.9	756	11.6		
2-Jun-06	7.8	741	12.6		
9-Jun-06	7.9	609	12.8		
19-Jun-06	7.8	654	12.1		

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	DO
		6.5 - 8.5	nc	nc	a
QFSW2 (cont'd)	23-Jun-06	7.9	672	12.5	
	30-Jun-06	8.5	787	17.6	
	7-Jul-06	8.3	765	17.5	
	14-Jul-06	7.8	779	18.5	
	21-Jul-06	8.0	781	17.9	
	28-Jul-06	7.8	815	19.9	
	4-Aug-06	7.9	599	21.1	
	11-Aug-06	7.7	783	19.8	
	18-Aug-06	7.9	870	19.2	
	25-Aug-06	7.4	917	16.7	
	1-Sep-06	7.5	902	18.4	
	8-Sep-06	7.5	888	18.1	
	15-Sep-06	7.5	895	16.5	
	21-Sep-06	7.7	885	15.4	
	28-Sep-06	7.5	933	13.1	
	6-Oct-06	7.7	889	14.2	
	13-Oct-06	7.6	907	10.2	
	20-Oct-06	7.7	911	9.9	
	26-Oct-06	7.8	931	9.9	
	28-Oct-06	7.9	705	11.6	10.7
	3-Nov-06	8.6	903	8.6	10.7
	10-Nov-06	7.9	872	9.3	
	17-Nov-06	7.8	829	7.5	10.4
	24-Nov-06	8.4	865	8.0	11.0
	4-Dec-06 (5)	7.6	853	6.0	10.4
	8-Dec-06	7.2	840	5.7	11.2
	14-Dec-06	7.7	889	5.9	12.3
	21-Dec-06	7.9	859	5.6	11.4
	28-Dec-06	7.7	876	5.0	11.3
	5-Jan-07	7.5	873	5.4	10.7
	12-Jan-07	7.3	795	4.8	11.5
	19-Jan-07	7.6	790	4.4	11.2
	26-Jan-07	8.1	796	4.6	10.3
	2-Feb-07	7.8	779	4.6	10.4
	9-Feb-07	7.7	723	4.6	9.9
	16-Feb-07	7.6	816	4.2	10.0
22-Feb-07	8.1	816	4.6	9.4	
2-Mar-07	8.1	824	4.6	10.2	
9-Mar-07	7.3	673	5.3	9.6	
16-Mar-07 (5)					
23-Mar-07	7.5	749	5.1	9.9	
30-Mar-07 (5)	7.7	671	6.1	10.7	
5-Apr-07 (5)					
13-Apr-07	7.7	657	4.2	12.0	
20-Apr-07	7.7	630	6.6	11.1	
28-Apr-07	8.1	690	6.7	9.1	
4-May-07	7.9	635	8.1	8.9	
11-May-07	7.9	767	8.4	8.1	
18-May-07	8.2	674	9.1	8.2	
25-May-07	7.8	663	9.5	8.4	



Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
QFSW2 (cont'd)	1-Jun-07	7.7	703	10.5	7.7
	8-Jun-07	7.8	738	12.3	7.2
	14-Jun-07	8.0	753	12.3	7.4
	22-Jun-07	7.9	693	11.7	8.9
	29-Jun-07	8.1	697	14.1	8.5
	6-Jul-07	8.1	729	14.7	8.5
	13-Jul-07	8.2	746	14.5	8.2
	20-Jul-07	7.8	749	14.5	8.0
	27-Jul-07	7.6	683	14.2	8.1
	3-Aug-07	7.7	794	17.2	8.2
	10-Aug-07	7.6	728	16.5	8.0
	17-Aug-07	7.6	784	15.6	7.9
	24-Aug-07	7.9	803	15.9	7.5
	30-Aug-07	7.9	793	16.8	7.9
	7-Sep-07	7.7	803	16.9	8.2
	14-Sep-07	7.6	760	16.0	7.9
	21-Sep-07	7.8	770	16.1	8.6
	28-Sep-07	8.3	821	14.1	8.2
	5-Oct-07	7.5	865	15.1	8.6
	12-Oct-07	7.4	784	13.1	7.7
	19-Oct-07	8.1	598	13.5	7.6
	26-Oct-07	7.2	789	11.7	8.4
	2-Nov-07	7.4	813	11.1	9.4
	9-Nov-07	7.2	797	9.2	8.2
	16-Nov-07	7.4	838	8.3	7.8
	23-Nov-07	8.0	840	7.9	8.9
	7-Dec-07	7.8	758	7.0	8.3
	14-Dec-07	7.3	763	6.6	7.9
	20-Dec-07	7.3	786	4.5	
	28-Dec-07 (3)				
	4-Jan-08	7.2	807	6.2	9.1
	11-Jan-08	7.5	676	5.1	11.3
	18-Jan-08	7.2	651	3.4	12.2
	25-Jan-08	7.7	667	3.5	12.4
	1-Feb-08	7.4	703	3.5	12.0
	8-Feb-08	7.2	713	3.9	11.6
15-Feb-08	7.2	650	2.9	12.0	
22-Feb-08	7.4	752	3.5		
29-Feb-08	7.4	723	3.6		
7-Mar-08	7.4	737	3.3		
14-Mar-08	7.1	725	3.7		
20-Mar-08	7.7	732	3.2	12.8	
28-Mar-08	7.4	608	4.1		
4-Apr-08 (3)					
11-Apr-08 (3)					
15-Apr-08 (3)					
18-Apr-08 (3)					
25-Apr-08	7.9	559	9.3	8.9	
2-May-08	6.9	530	7.5	8.2	
8-May-08	7.3	638	9.0		

**Table C-3 Surface Water Field Chemical Results**

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	DO
		6.5 - 8.5	nc	nc	a
QFSW2 (cont'd)	15-May-08	7.6	648	17.9	8.6
	23-May-08	7.7	576	10.4	8.4
	30-May-08	7.3	698	10.5	8.1
	6-Jun-08	7.3	798	15.5	6.6
	13-Jun-08	7.7	686	13.8	6.5
	20-Jun-08	7.7	726	13.2	6.4
	27-Jun-08	7.1	781	14.9	6.8
	4-Jul-08	7.1	783	14.2	
	11-Jul-08	7.0	763	15.4	7.1
	18-Jul-08	7.7	826	16.2	5.2
	25-Jul-08	7.0	843	16.8	5.8
	1-Aug-08	6.9	827	17.2	5.6
	8-Aug-08	7.4	814	16.3	4.8
	15-Aug-08	7.3	936	16.4	5.5
	22-Aug-08	7.5	937	17.4	4.7
	28-Aug-08	7.4		16.1	6.5
	5-Sep-08	7.8	852	16.4	6.3
	12-Sep-08	7.9	864	15.5	5.6
	19-Sep-08	8.0	882	15.0	
	26-Sep-08	7.5	859	15.0	5.7
	3-Oct-08	7.7	835	12.1	6.7
	10-Oct-08	7.2	850	12.2	7.6
	17-Oct-08		785	11.8	5.3
	24-Oct-08	7.9	820	10.0	5.4
	31-Oct-08	7.7	814	9.5	5.8
	7-Nov-08	7.5	467	9.7	8.3
	14-Nov-08		584	8.6	8.8
	21-Nov-08 (3)				
	28-Nov-08		412	5.5	7.1
	30-Nov-08 (2)				
	12-Dec-08	6.4	759	4.6	8.8
	19-Dec-08 (3)				
	23-Dec-08	8.0	654	4.0	8.1
	29-Dec-08 (3)				
	9-Jan-09 (5)				
	16-Jan-09		656	3.7	9.7
23-Jan-09	8.0	666	3.9	8.3	
30-Jan-09 (3)					
6-Feb-09		611	4.2	8.8	
13-Feb-09 (5)					
20-Feb-09	8.1	610	3.3	13.3	
27-Feb-09	8.1	599	2.7	13.5	
6-Mar-09		519	3.7	12.6	
13-Mar-09	8.4	552	3.4		
20-Mar-09	8.3	554	4.3		
27-Mar-09	7.4	640	5.0		
3-Apr-09	7.5	583	5.5		
9-Apr-09	7.8	530	4.4		
17-Apr-09	8.3	596	6.4		
24-Apr-09	8.1	589	7.5		

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	DO
		6.5 - 8.5	nc	nc	a
QFSW2 (cont'd)	1-May-09	8.2	431	10.5	10.5
	8-May-09	7.5	575	11.1	10.0
	15-May-09	8.1	480	11.9	10.5
	22-May-09	8.1	497	11.4	9.5
	29-May-09	8.0	627	11.4	
	5-Jun-09	7.1	569	11.8	10.3
	12-Jun-09	8.3	575	12.1	9.6
	19-Jun-09	7.6	1,229	13.3	9.7
	2-Jul-09	7.6	609	13.4	9.3
	10-Jul-09			14.3	9.6
	17-Jul-09	9.1	693	14.1	9.1
	24-Jul-09	7.9	714	13.7	8.8
	26-Jul-09	7.9	692	14.9	9.2
	31-Jul-09	8.0	739	14.8	8.9
	7-Aug-09	7.9	760	14.5	7.6
	14-Aug-09	8.3	675	17.5	6.1
	21-Aug-09	9.0	801	16.0	8.6
	28-Aug-09	8.4	738	15.4	8.8
	4-Sep-09	8.9	763	15.5	8.6
	11-Sep-09	8.3	737	14.8	8.8
	18-Sep-09	7.7	829	13.9	6.9
	25-Sep-09	7.7	731	13.7	9.9
	2-Oct-09	8.4	851	12.0	9.7
	9-Oct-09	7.7	894	10.8	11.2
	16-Oct-09	8.2	846	9.4	
	23-Oct-09	7.6	767	8.6	10.9
	30-Oct-09	7.7	804	9.0	
	6-Nov-09	6.5	808	7.1	
	13-Nov-09	7.4	858	8.2	
	20-Nov-09	7.4	737	7.2	12.1
	27-Nov-09	7.5	739	7.5	11.0
	4-Dec-09	7.6	707	4.8	12.9
	11-Dec-09	7.6	662	4.8	11.0
	18-Dec-09	7.6	758	4.8	11.2
	22-Dec-09	7.6	757	4.9	11.5
	28-Dec-09 (3)				
	8-Jan-10 (3)				
	15-Jan-10	7.6	741	5.0	10.6
	22-Jan-10	7.5	756	4.5	10.6
	29-Jan-10 (3)				
5-Feb-10	7.0	742	5.0	8.4	
12-Feb-10	7.0	736	4.8	9.4	
19-Feb-10	7.9	738	4.9	10.3	
1-Mar-10	7.3	649	5.1	10.5	
5-Mar-10	7.4	542	5.9	9.2	
12-Mar-10	7.2	721	5.4	9.6	
19-Mar-10	7.6	622	7.3	10.8	
26-Mar-10	7.2	566	5.4	10.6	
2-Apr-10 (3)					
9-Apr-10	7.5	666	7.2	11.9	

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
QFSW2 (cont'd)	16-Apr-10	8.0	484	9.3	10.1
	23-Apr-10	7.0	471	8.7	11.2
	30-Apr-10	7.9	463	9.9	10.5
	7-May-10	7.9	448	9.7	10.1
	14-May-10	7.9	454	10.3	10.0
	21-May-10	7.8	498	11.1	9.4
	28-May-10	7.8	484	13.7	9.2
	4-Jun-10	7.8	541	13.2	6.2
	11-Jun-10	7.8	465	12.8	6.1
	18-Jun-10	7.7	565	13.5	11.3
	25-Jun-10	7.8	543	14.0	9.2
	1-Jul-10 (3)				
	9-Jul-10	7.7	541	15.7	8.8
	15-Jul-10	7.7	627	16.4	8.0
	23-Jul-10	7.6	614	15.6	9.1
	30-Jul-10	7.7	529	16.3	7.5
	6-Aug-10	7.6	606	15.7	10.8
	13-Aug-10	7.6	640	16.4	8.5
	20-Aug-10	7.6	654	15.7	6.7
	27-Aug-10	7.3	606	15.4	6.4
	3-Sep-10	7.7	674	16.3	7.7
	10-Sep-10	7.7	555	15.1	8.9
	17-Sep-10	7.7	563	14.3	8.0
	24-Sep-10	7.7		14.7	7.5
	1-Oct-10	7.7	631	13.2	7.5
	8-Oct-10	7.8	636	12.8	8.7
	15-Oct-10	7.6	596	11.0	8.3
	22-Oct-10	7.7	625	10.4	8.4
	29-Oct-10	7.8	523	10.2	7.5
	5-Nov-10	7.6	599	7.6	8.2
	12-Nov-10	7.6	630	8.6	8.4
	19-Nov-10	8.0	516	7.7	9.4
	26-Nov-10	7.6	469	6.2	10.1
3-Dec-10	7.7	485	0.1	8.8	
9-Dec-10	7.6	413	4.7	13.0	
17-Dec-10	8.1	485	5.2	10.8	
23-Dec-10	8.1	414	4.8	8.3	
30-Dec-10 (3)					
7-Jan-11	7.8	404	3.6	12.5	
14-Jan-11	7.7	380	4.6	10.2	
21-Jan-11	8.1	378	3.7	9.3	
28-Jan-11	7.7	372	4.5	8.7	
4-Feb-11	7.7	372	3.9	8.8	
11-Feb-11	8.0	443	4.8	9.1	
18-Feb-11	8.3	429	4.6	10.1	
25-Feb-11	7.4	404	4.4	12.7	
4-Mar-11	7.5	400	4.9	10.9	
11-Mar-11	7.6	362	2.4	11.6	
18-Mar-11	8.2	209	2.4		
22-Mar-11 (3)					

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
QFSW2 (cont'd)	25-Mar-11	8.4	402	5.4	12.0
	1-Apr-11	7.2	362	4.6	10.7
	8-Apr-11	7.9	376	4.6	9.7
	15-Apr-11	8.1	321	5.4	12.0
	21-Apr-11	8.1	373	4.9	12.1
	29-Apr-11				
	6-May-11	8.4	314	7.4	10.9
	13-May-11	8.2	474	9.7	12.6
	20-May-11	7.9	395	10.2	11.0
	27-May-11				
	3-Jun-11	7.9	432	12.9	9.1
	10-Jun-11	7.7	501	13.1	7.8
	17-Jun-11	6.6	481	13.3	7.9
	24-Jun-11	7.8	527	13.1	7.3
	30-Jun-11	7.5	486	13.8	9.2
	8-Jul-11	7.7	589	15.2	7.4
	14-Jul-11	8.0	593	15.1	7.3
	22-Jul-11	7.7	629	17.4	9.5
	29-Jul-11	7.9	542	15.4	6.3
	5-Aug-11	7.7	613	16.6	8.5
	12-Aug-11	7.9	644	15.5	6.8
	19-Aug-11	8.0	458	15.5	6.8
	26-Aug-11	7.8	661	15.2	7.2
	2-Sep-11	7.4	552	15.6	7.4
	9-Sep-11	8.3	632	15.6	7.2
	16-Sep-11	8.5	557	13.3	6.7
	23-Sep-11 (3)				
	30-Sep-11	8.2	618	12.9	8.0
	6-Oct-11	7.9	694	11.3	8.0
	14-Oct-11	7.7	580	13.3	8.6
	21-Oct-11	8.1	643	10.0	9.4
	28-Oct-11	7.7	594	9.6	8.2
	4-Nov-11	8.1	520	8.2	9.8
	11-Nov-11	8.0	591	7.7	4.0
	18-Nov-11 (3)				
	25-Nov-11	8.7	554	7.4	7.8
	2-Dec-11 (3)				
	9-Dec-11	8.1	438	6.6	7.4
	16-Dec-11	7.3	422	6.2	10.9
	23-Dec-11 (3)				
30-Dec-11 (3)					
6-Jan-12	7.3	448	5.5	10.7	
13-Jan-12					
20-Jan-12	8.4	368	4.7	8.0	
27-Jan-12	9.0	315	4.6	11.7	
3-Feb-12	8.2	284	4.8	9.2	
10-Feb-12	8.5	360	4.2	10.6	
17-Feb-12	8.6	372	4.7	11.4	
24-Feb-12 (3)					
1-Mar-12	8.9	216	4.7		

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
QFSW2 (cont'd)	9-Mar-12 (5)				
	16-Mar-12				
	23-Mar-12	7.6		7.4	8.6
	30-Mar-12	9.0	379	6.1	9.8
	6-Apr-12 (3)				
	13-Apr-12	8.5	409	6.7	10.1
	20-Apr-12	8.8	445	7.8	6.8
	27-Apr-12	8.7	345	6.0	9.0
	4-May-12	8.1	515	8.4	6.8
	11-May-12	7.7	315	9.1	9.4
	18-May-12	7.6	449	9.1	6.1
	25-May-12	6.4	512	11.4	5.5
	1-Jun-12	7.8	581	13.2	7.3
	8-Jun-12	8.3	545	13.2	7.8
	15-Jun-12	7.7	587	13.1	5.4
	22-Jun-12	7.7	580	13.2	7.4
	28-Jun-12	8.0	640	14.7	6.1
	6-Jul-12	7.8	688	15.1	5.5
	13-Jul-12	8.3	627	14.7	4.4
	20-Jul-12	8.1	739	17.4	6.8
	27-Jul-12	7.9	686	14.9	5.3
	3-Aug-12	7.8	741	17.3	7.9
	10-Aug-12	8.3	375	15.2	7.3
	17-Aug-12	8.8	450	14.2	5.3
	24-Aug-12	7.7	660	15.9	8.2
	31-Aug-12	7.3	723	16.3	6.9
	7-Sep-12	7.7	722	15.8	6.0
	14-Sep-12	7.0	715	14.6	7.4
	21-Sep-12	7.5	671	12.6	6.7
	28-Sep-12	7.6	722	11.9	7.6
	5-Oct-12	8.1	769	13.1	8.5
	12-Oct-12	8.5	666	9.8	6.8
	19-Oct-12	8.6	672	9.3	6.8
	26-Oct-12	7.6	710	10.7	10.6
	2-Nov-12	8.3	632	7.4	6.4
	9-Nov-12	8.7	408	8.3	9.5
	16-Nov-12	8.1	569	8.5	9.2
	23-Nov-12	8.0	515	8.1	6.0
	30-Nov-12	8.7	408	6.0	4.3
	7-Dec-12	8.1	542	6.5	6.8
14-Dec-12	8.1	463	6.4	9.8	
21-Dec-12	7.7	516	5.6	10.9	
28-Dec-12 (3)					
4-Jan-13	7.7	509	4.8	8.6	
11-Jan-13	7.7	450	4.3	8.7	
17-Jan-13	7.8	489	4.2	10.2	
25-Jan-13	7.9	492	4.3	6.9	
1-Feb-13 (3)					
8-Feb-13 (3)					
15-Feb-13	7.7	648	3.5	9.8	

**Table C-3 Surface Water Field Chemical Results**

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	D O	
		6.5 - 8.5	nc	nc	a	
QFSW2 (cont'd)	22-Feb-13	7.5	372	3.6	7.3	
	1-Mar-13	7.6	486	3.3	8.5	
	8-Mar-13	7.5	387	5.2	10.1	
	15-Mar-13		374	3.6	8.6	
	22-Mar-13		431	3.6	10.4	
	28-Mar-13		370	4.4	9.4	
	5-Apr-13		375	3.8	11.3	
	12-Apr-13		382	3.3	12.4	
	19-Apr-13					
	26-Apr-13		7.6	343	5.2	10.1
	3-May-13		7.6	350	8.9	9.0
	9-May-13		7.8	449	10.6	10.1
	16-May-13		8.0	410	9.1	10.3
	24-May-13		7.7	439	8.2	8.2
	31-May-13		7.8	466	12.7	8.0
	7-Jun-13 (3)					
	14-Jun-13		7.9	509	14.5	6.5
	21-Jun-13		8.0	528	12.4	11.3
	27-Jun-13		8.1	532	12.6	10.9
	5-Jul-13		7.7	588	14.4	7.9
	12-Jul-13		7.7	538	17.5	5.0
	19-Jul-13		7.8	525	16.9	7.7
	25-Jul-13		7.5	565	14.1	9.0
	2-Aug-13		8.1	596	15.6	9.2
	8-Aug-13		8.1	548	16.0	8.2
	16-Aug-13		8.2	646	14.8	8.9
	23-Aug-13		8.0	573	15.9	6.7
	30-Aug-13		7.9	570	16.0	6.0
	6-Sep-13		7.8	560	15.7	6.6
	13-Sep-13		7.7	541	13.3	8.5
	20-Sep-13		7.9	529	12.9	8.1
	27-Sep-13		7.8	520	12.8	8.1
	4-Oct-13 (3)					
	11-Oct-13		7.6	502	11.3	7.6
	18-Oct-13		7.5	500	10.7	5.7
	25-Oct-13		7.5	423	8.6	3.9
	31-Oct-13		7.3	406	8.3	3.8
	8-Nov-13		7.2	400	3.5	5.0
	14-Nov-13		7.2	420	2.1	4.9
	22-Nov-13		7.9	449	7.5	4.0
	29-Nov-13		8.4	427	6.6	10.7
	6-Dec-13		8.0	404	5.2	8.1
13-Dec-13 (3)						
19-Dec-13		8.2	414	6.0	5.1	
27-Dec-13 (3)						
3-Jan-14		7.8	530	2.3	3.3	
10-Jan-14		8.4	404	5.0	4.6	
17-Jan-14		8.5	394	4.7	10.5	
31-Jan-14		7.3	436	4.5	8.5	
7-Feb-14		7.8	426	3.5	3.9	

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
QFSW2 (cont'd)	14-Feb-14	7.2	447	5.0	6.0
	21-Feb-14	7.3	435	4.4	8.3
	28-Feb-14	7.3	437	4.2	8.5
	7-Mar-14	7.3	439	4.4	8.5
	14-Mar-14	6.4	443	4.1	7.0
	21-Mar-14	7.2	449	4.2	4.9
	28-Mar-14	7.6	389	4.0	9.9
	4-Apr-14	6.9	416	3.7	9.0
	11-Apr-14	7.6	363	3.6	10.4
	17-Apr-14	8.0	631	4.6	11.0
	25-Apr-14	7.9	603	4.3	10.3
	1-May-14	7.8	580	4.7	9.2
	9-May-14	7.6	418	12.2	5.6
	16-May-14	7.1	450	10.0	8.2
	23-May-14	7.5	382	11.9	6.2
	30-May-14	7.2	375	12.0	6.1
	6-Jun-14	7.3	391	12.5	7.6
	13-Jun-14	7.2	398	12.7	7.5
	20-Jun-14	7.9	416	13.2	8.1
	27-Jun-14	7.2	420	14.4	8.2
	4-Jul-14	8.0	492	13.3	8.7
	11-Jul-14	7.9	482	14.3	7.2
	18-Jul-14	8.4	575	12.6	
	25-Jul-14	8.8	615	13.1	
	1-Aug-14	8.6	575	13.2	6.8
	8-Aug-14	8.5	523	13.8	6.6
	15-Aug-14	8.3	520	12.5	7.3
	22-Aug-14	8.9	662	13.1	
	29-Aug-14	9.0	663	13.5	
	5-Sep-14	9.0	672	14.1	
	12-Sep-14	8.0	639	10.2	5.8
	19-Sep-14	8.0	423	10.2	6.2
	26-Sep-14	8.0	418	10.1	6.2
	3-Oct-14	7.5	431	12.8	6.8
	10-Oct-14	7.6	419	12.6	7.0
	16-Oct-14	8.2	656	11.7	7.4
	24-Oct-14	8.5	427	9.4	6.3
	31-Oct-14	8.4	420	6.4	6.3
	7-Nov-14	7.3	447	0.4	8.0
	14-Nov-14	7.4	423	(1)	6.7
20-Nov-14	7.3	416	(1)	6.7	
28-Nov-14	7.3	413	(1)	5.2	
5-Dec-14	7.2	418	(0)	6.9	
12-Dec-14	7.2	412	(0)	6.6	
19-Dec-14	7.2	427	(1)	6.1	
26-Dec-14					
2-Jan-15 (3)					
8-Jan-15	7.2	470	5.5	8.5	
14-Jan-15	7.4	446	0.9	7.3	
23-Jan-15	7.2	420	(0)	7.9	



Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	DO
		6.5 - 8.5	nc	nc	a
QFSW2 (cont'd)	30-Jan-15 (3)				
	6-Feb-15	7.8	570	4.3	8.6
	12-Feb-15 (3)				
	27-Feb-15	7.8	577	4.6	8.2
	6-Mar-15	7.6	576	4.5	8.7
	13-Mar-15	7.6	569	5.1	8.2
	20-Mar-15	7.6	349	5.5	8.4
	26-Mar-15	7.7	337	4.6	8.9
	2-Apr-15	7.7	341	4.9	9.0
	10-Apr-15	7.9	288	6.4	9.9
	17-Apr-15	9.2	372	5.7	12.6
	23-Apr-15	7.9	419	5.2	10.2
	1-May-15	7.6	466	7.1	10.2
	8-May-15	9.2	472	10.2	
	15-May-15	7.8	414	8.7	9.3
	21-May-15	7.8	420	8.9	10.6
	28-May-15	7.8	485	11.8	8.8
	4-Jun-15	7.7	478	11.2	8.7
	12-Jun-15	7.6	535	10.8	7.0
	18-Jun-15	7.8	548	12.8	7.1
	26-Jun-15	7.7	495	13.6	
	1-Jul-15 (3)				
	10-Jul-15	7.9	557	13.0	
	17-Jul-15	7.9	557	13.0	
	22-Jul-15	8.1	558	12.7	
	30-Jul-15	8.0	665	16.4	
	5-Aug-15	7.6	586	12.8	6.8
	13-Aug-15	7.7	703	14.9	6.9
	21-Aug-15	8.2	635	15.0	
	28-Aug-15	8.2	605		
	3-Sep-15	7.6	700	16.9	7.7
	10-Sep-15	7.8	682	17.0	7.9
	18-Sep-15	7.6	626	13.8	7.6
	25-Sep-15	7.7	632	14.3	9.1
	2-Oct-15	7.3	544	9.7	7.2
	9-Oct-15	7.4	561	11.0	7.8
	16-Oct-15	7.8	549	10.3	8.5
	23-Oct-15	7.5	558	9.3	8.2
	30-Oct-15	7.5	576	8.8	8.7
	5-Nov-15	7.9	596	11.0	7.5
13-Nov-15	7.5	549	8.7	5.2	
19-Nov-15	7.8	648	9.6	11.9	
26-Nov-15	7.6	558	7.0	10.3	
4-Dec-15	7.4	564	6.6	10.4	
10-Dec-15	7.4	574	7.5	8.3	
17-Dec-15	7.7	492	6.9	7.4	
23-Dec-15	7.6	499	7.3	7.3	
30-Dec-15	7.4	466	5.3	8.4	
14-Jan-16	7.1	441	4.3	8.4	
22-Jan-16	7.9	504	5.0	7.9	

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	DO
		6.5 - 8.5	nc	nc	a
QFSW2 (cont'd)	29-Jan-16	7.5	472	3.6	9.0
	5-Feb-16	7.5	466	4.5	9.0
	11-Feb-16	7.6	466	3.7	9.2
	18-Feb-16	7.5	484	5.4	8.8
	25-Feb-16	7.1	442	3.3	9.2
	4-Mar-16	7.6	448	4.5	9.0
	10-Mar-16	7.0	276	1.6	11.8
	18-Mar-16	7.7	388	4.7	10.8
	28-Mar-16	7.5	99	1.3	12.7
	1-Apr-16	7.3	237	3.7	10.4
	7-Apr-16	7.1	271	3.7	10.7
	15-Apr-16	7.5	340	6.9	10.3
	22-Apr-16	8.0	449	8.8	10.2
	29-Apr-16	8.3	439	6.9	11.1
	6-May-16	8.1	528	10.5	9.3
	13-May-16	7.8	632	12.5	
	20-May-16	8.2	650	13.0	8.8
	27-May-16	8.1	581	14.7	7.7
	2-Jun-16	8.0	531	13.5	6.5
	10-Jun-16	8.1	733	12.1	8.6
	17-Jun-16	8.0	695	17.0	8.6
	24-Jun-16	7.9	561	13.4	7.9
	28-Jun-16	8.1	626	14.1	11.1
	8-Jul-16	8.1	587	16.7	9.8
	15-Jul-16	8.2	582	16.0	7.7
	22-Jul-16	7.8	769	18.0	8.0
	29-Jul-16	8.1	691	15.5	8.4
	5-Aug-16	8.3	674	16.8	8.0
	12-Aug-16	8.1	832	18.0	8.0
	19-Aug-16	7.9	661	16.4	7.0
	26-Aug-16	7.9	676	14.8	7.6
	2-Sep-16	7.5	586	13.1	7.3
	9-Sep-16	7.9	587	14.7	7.5
	16-Sep-16	8.1	612	12.4	8.3
	21-Sep-16	8.0	623	15.5	10.1
	30-Sep-16	8.3	604	12.0	9.7
	7-Oct-16	7.4	621	12.5	7.0
	13-Oct-16	8.0	532	11.2	9.5
	19-Oct-16	7.5	645	12.4	9.8
	27-Oct-16	8.0	492	6.6	7.2
3-Nov-16	7.8	592	9.5	7.3	
11-Nov-16	6.1	496	8.1	9.0	
18-Nov-16	7.7	751	9.2	7.2	
24-Nov-16	7.3	516	7.5	8.4	
2-Dec-16	7.8	468	6.8	4.9	
7-Dec-16	7.9	453	5.8	5.9	
16-Dec-16	7.5	768	4.9	9.2	
22-Dec-16	7.7	750	5.6	8.8	
30-Dec-16 (3)					
6-Jan-17	7.7	412	4.5	9.4	

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
QFSW2 (cont'd)	13-Jan-17	7.8	439	4.0	9.7
	20-Jan-17	7.8	470	4.8	8.7
	26-Jan-17	7.8	494	4.8	8.8
	3-Feb-17	7.8	440	3.5	8.6
	10-Feb-17	7.8	413	4.0	7.8
	17-Feb-17	7.7	492	4.0	8.9
	19-Apr-17	6.9	449	9.3	11.2
	3-May-17	7.1	374	7.8	9.6
	16-May-17	8.2	548	14.5	8.4
	28-Jun-17	7.9	625	14.8	6.8
	18-Jul-17	8.0	705	17.4	7.9
	15-Aug-17	8.3	557	15.1	6.4
	18-Sep-17	6.4	679	14.1	5.7
	18-Oct-17	7.9	626	11.1	7.3
	15-Nov-17	7.8	550	6.9	9.1
	14-Dec-17	7.9	495	4.3	3.3
	17-Jan-18	7.4	445	3.1	8.6
	18-Feb-18 (5)				
	23-Feb-18	7.9	334	2.3	8.0
	6-Mar-18	7.6	562	3.7	
	20-Mar-18	7.5	406	3.6	12.1
	18-Apr-18	7.8	624	3.2	15.7
	9-May-18	7.9	564	11.2	8.2
	14-May-18	7.7	597	10.3	7.9
	18-Jun-18	7.8	654	16.4	6.4
	19-Jul-18	7.6	683	15.5	5.1
	23-Aug-18	7.7	674	15.9	5.2
	5-Sep-18	8.0	700	18.8	6.8
	19-Sep-18	7.5	737	14.9	3.8
	24-Oct-18	7.8	714	8.6	5.4
	21-Nov-18	7.6	699	4.6	7.3
	6-Dec-18	7.6	687	5.5	8.2
	12-Dec-18	7.8	697	6.1	7.5
	18-Jan-19	7.6	422	5.1	7.2
	26-Feb-19	7.8	608	2.5	9.9
	8-Mar-19	7.8	670	2.7	8.7
	15-Mar-19 (2)				
	24-Apr-19	7.9	484	7.7	8.5
	17-May-19	8.0	496	9.6	8.3
	23-May-19	8.1	525	12.0	8.4
18-Jun-19	7.8	607	13.6	7.3	
29-Jul-19	7.8	671	18.2	6.3	
29-Aug-19	8.0	578	18.1	6.6	
4-Sep-19					
26-Sep-19	7.4	700	15.0	6.3	
23-Oct-19	7.5	698	8.5	6.3	
22-Nov-19	7.6	583	2.1	7.0	
19-Dec-19					
20-Dec-19	7.6	423	0.1	7.2	
15-Jan-20	7.7	703	5.4	7.6	

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
QFSW2 (cont'd)	20-Feb-20	7.6	716	5.0	8.0
	2-Mar-20				
	26-Mar-20	7.6	628	5.8	8.6
	27-Apr-20	7.3	556	8.2	8.3
	29-May-20	8.3	645	14.0	6.0
	11-Jun-20				
	23-Jun-20	8.6	574	14.4	8.1
	30-Jul-20	8.0	716	20.0	5.5
	25-Aug-20	8.2	779	20.8	7.1
	27-Aug-20	8.2	779		7.1
	25-Sep-20	8.1	660	13.0	8.6
	30-Oct-20	7.4	670	8.1	7.4
	25-Nov-20	7.9	821		7.1
	26-Nov-20	7.7	807	6.5	7.1
	23-Dec-20	7.7	821	3.8	7.1
	27-Jan-21	7.6	690	3.5	8.2
	22-Feb-21	7.3	385	1.1	12.1
	23-Feb-21	7.3	385	1.1	12.1
	29-Mar-21	8.2	598	8.0	8.1
	27-Apr-21	7.7	526	8.0	8.1
	27-May-21	7.8	776	15.0	8.5
	22-Jun-21	7.8	663	16.8	6.8
	22-Jul-21	8.2	859	19.7	8.4
	11-Aug-21	8.2	754	20.1	8.6
	25-Aug-21	8.2	754	20.1	8.6
	28-Sep-21	7.7	800	14.1	7.8
	7-Oct-21	7.7	816	10.1	8.7
	26-Oct-21	7.7	816	10.1	8.7
	23-Nov-21	7.8	810	5.6	8.6
	21-Dec-21	7.9	809	4.1	8.1
	24-Jan-22	8.0	752	0.4	8.0
	8-Feb-22	7.5	812	4.2	8.7
	28-Feb-22				11.0
16-Mar-22	7.9	625	2.4	9.1	
21-Apr-22	7.6	594	2.4	12.5	
24-May-22	7.2	465	12.6	11.0	
31-Aug-22	7.4	671	18.6	6.4	
28-Oct-22	7.6	754	8.9	6.4	
23-Feb-23	7.5	945	0.9	9.8	
17-May-23	7.8	703	9.3	6.9	
30-Aug-23	7.6	616	14.7	4.5	
31-Oct-23	8.1	715	9.6	7.9	
SW3	22-May-03			10.0	
	23-Jun-03 (1)				
	22-Jul-03 (1)				
	20-Aug-03 (1)				
	25-Sep-03 (1)				
	22-Oct-03 (1)				
	28-Nov-03 (1)				
10-Feb-04 (2)					

Surface Water Station	PWQO	pH (su)	EC (µS/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
SW3 (cont'd)	18-Mar-04		340	0.6	4.4
	19-Apr-04	7.4	239	8.7	10.3
	19-May-04	7.5	378	14.6	5.3
	24-Jun-04 (1)				
	29-Jul-04 (1)				
	23-Aug-04 (1)				
	21-Sep-04 (1)				
	21-Oct-04 (1)				
	17-Nov-04 (1)				
	15-Dec-04 (2)				
	16-Jan-05 (2)				
	13-Feb-05 (2)				
	30-Mar-05	7.0	236	1.1	7.5
	11-Apr-05	6.1	154	1.5	7.5
	22-May-05 (1)				
	26-Jun-05 (1)				
	10-Jul-05 (1)				
	21-Aug-05 (1)				
	25-Sep-05 (1)				
	23-Oct-05 (1)				
	13-Nov-05 (1)				
	11-Dec-05 (1)				
	16-Jan-06	7.8	602	0.8	6.3
	19-Feb-06 (2)				
	20-Mar-06	7.8	209	0.5	
	18-Apr-06	7.7	339	10.1	
	23-May-06	7.5	426	8.5	
	18-Jun-06 (1)				
	9-Jul-06 (1)				
	20-Aug-06 (1)				
	17-Sep-06 (1)				
	15-Oct-06 (1)				
	19-Nov-06 (1)				
	27-Nov-06	7.6	737	6.1	7.6
	17-Dec-06	7.5	353	1.4	
	21-Jan-07	7.6	452	2.5	6.5
	18-Feb-07 (2)				
	18-Mar-07 (2)				
	15-Apr-07	8.1	351	1.7	10.8
	13-May-07	8.0	849	13.2	7.0
17-Jun-07 (1)					
15-Jul-07 (1)					
19-Aug-07 (1)					
16-Sep-07 (1)					
14-Oct-07 (1)					
18-Nov-07 (1)					
9-Dec-07 (2)					
20-Jan-08 (2)					
17-Feb-08 (2)					
16-Mar-08 (2)					

Surface Water Station	PWQO	pH (su)	EC (µS/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
SW3 (cont'd)	4-Apr-08	7.7	275	0.1	8.2
	23-Apr-08	7.8	329	18.7	5.8
	21-May-08	6.9	365	14.7	4.9
	15-Jun-08 (1)				
	13-Jul-08 (1)				
	17-Aug-08 (1)				
	14-Sep-08 (1)				
	19-Oct-08 (1)				
	23-Nov-08 (2)				
	14-Dec-08 (2)				
	18-Jan-09 (2)				
	8-Feb-09 (2)				
	15-Mar-09	7.7	295	2.0	10.4
	12-Apr-09	7.3	354	12.5	10.6
	17-May-09	7.7	351	20.5	4.5
	14-Jun-09 (1)				
	12-Jul-09 (1)				
	9-Aug-09 (1)				
	13-Sep-09 (1)				
	11-Oct-09 (1)				
	15-Nov-09 (1)				
	13-Dec-09 (2)				
	17-Jan-10 (2)				
	7-Feb-10 (2)				
	14-Mar-10	7.7	265	1.3	9.9
	11-Apr-10	7.8	373	8.2	11.3
	16-May-10	7.6	219	15.3	5.4
	23-May-10 (1)				
	13-Jun-10	7.5	334	18.5	6.2
	18-Jul-10	7.4	308	19.8	5.9
	15-Aug-10 (1)				
	12-Sep-10 (1)				
	17-Oct-10 (1)				
	14-Nov-10	7.3	365	6.0	10.6
19-Dec-10 (2)					
16-Jan-11	8.8	218	0.2	7.6	
20-Feb-11 (2)					
13-Mar-11	8.1	209	0.3	7.1	
17-Mar-11	8.0	141	0.5	5.9	
22-Mar-11	7.9	204	0.5	8.2	
1-Apr-11	7.4	197	1.2	7.3	
5-Apr-11	8.0	166	0.4	12.3	
8-Apr-11	7.9	185	1.8	9.3	
12-Apr-11	6.3	164	4.4	10.8	
15-Apr-11	7.8	140	3.0	10.1	
18-Apr-11	7.8	200	2.1	11.7	
20-Apr-11	8.0	182	2.5	8.8	
21-Apr-11	8.1	185	2.3	12.5	
26-Apr-11	6.6	232	7.1	9.6	
29-Apr-11	7.6	225	5.2	11.2	

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	D O	
		6.5 - 8.5	nc	nc	a	
SW3 (cont'd)	6-May-11	8.2	213	8.2	7.3	
	15-May-11	8.4	252	10.7	9.3	
	16-May-11	7.2	209	10.8	9.8	
	18-May-11	8.2	228	12.2	7.0	
	19-May-11	8.4	264	17.1	10.3	
	20-May-11	7.8	256	15.5	6.7	
	27-May-11		242	11.1	7.6	
	3-Jun-11		7.6	304	13.7	5.9
	13-Jun-11		7.0	316	13.4	5.1
	17-Jul-11 (1)					
	14-Aug-11 (1)					
	18-Sep-11 (1)					
	16-Oct-11		7.4	296	9.9	8.0
	20-Nov-11					
	18-Dec-11		8.2	146	1.0	9.0
	15-Jan-12 (2)					
	19-Feb-12 (2)					
	18-Mar-12		7.5	215	12.8	5.9
	15-Apr-12 (1)					
	13-May-12 (1)					
	17-Jun-12 (1)					
	15-Jul-12 (1)					
	12-Aug-12 (1)					
	16-Sep-12 (1)					
	14-Oct-12 (1)					
	18-Nov-12		7.4	227	4.9	6.3
	16-Dec-12		7.4	215	1.2	10.8
	15-Jan-13		7.6	218	0.1	5.4
	17-Feb-13 (2)					
	19-Mar-13		7.7	185	0.2	6.7
	15-Apr-13		7.5	236	8.9	6.8
	13-May-13		7.6	257	7.4	7.0
	16-Jun-13 (1)					
	14-Jul-13 (1)					
	18-Aug-13 (1)					
	15-Sep-13 (1)					
13-Oct-13 (1)						
19-Nov-13		8.0	218	0.9	3.2	
15-Dec-13						
19-Jan-14 (2)						
16-Feb-14 (2)						
16-Mar-14 (2)						
15-Apr-14		7.6	161	0.4	7.0	
12-May-14		7.1	350	17.0	4.6	
15-Jun-14 (1)						
13-Jul-14 (1)						
17-Aug-14 (1)						
7-Sep-14 (1)						
22-Oct-14 (1)		7.2	418	9.4	4.9	
16-Nov-14 (2)						

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
SW3 (cont'd)	17-Dec-14	8.9	262	0.2	
	18-Jan-15 (2)				
	15-Feb-15 (2)				
	15-Mar-15 (2)				
	22-Apr-15	7.8	229	9.2	7.5
	17-May-15 (1)				
	15-Jun-15	7.6	342	18.8	1.7
	19-Jul-15 (1)				
	9-Aug-15 (1)				
	23-Aug-15 (1)				
	6-Sep-15 (1)				
	11-Oct-15 (1)				
	8-Nov-15				
	15-Nov-15 (1)				
	6-Dec-15 (1)				
	19-Jan-16	7.1	219	0.0	11.0
	17-Feb-16	7.1	243	0.1	9.8
	15-Mar-16	7.4	173	2.6	10.6
	20-Apr-16	7.6	299	15.8	7.4
	17-May-16	7.8	319	8.0	8.4
	19-Jun-16 (1)				
	3-Jul-16				
	17-Jul-16 (1)				
	7-Aug-16				
	21-Aug-16 (1)				
	18-Sep-16 (1)				
	16-Oct-16 (1)				
	24-Oct-16 (1)				
	18-Nov-16 (1)				
	12-Dec-16 (1)				
	22-Jan-17 (2)				
	15-Feb-17 (2)				
	21-Mar-17		280	1.3	5.8
	19-Apr-17	7.5	263	8.2	8.0
	9-May-17	7.9	188	7.0	10.8
	16-May-17	7.9	415	10.8	3.5
28-Jun-17	7.7	344	14.5	4.7	
7-Jul-17					
18-Jul-17	5.6	446	16.2		
27-Jul-17					
13-Aug-17 (1)					
17-Sep-17 (1)					
17-Oct-17	7.7	458	9.7	7.3	
14-Nov-17	7.9	489	4.8	14.7	
12-Dec-17 (2)					
17-Jan-18 (2)					
22-Feb-18	7.3	160	0.0	6.2	
18-Mar-18 (2)					
18-Apr-18	7.7	370	(0)	5.8	
8-May-18	7.5	407	10.4	6.2	



**Table C-3 Surface Water Field Chemical Results**

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
SW3 (cont'd)	14-May-18	7.4	675	14.1	6.2
	19-Jun-18 (1)				
	18-Jul-18 (1)				
	23-Aug-18 (1)				
	19-Sep-18 (1)				
	24-Oct-18 (1)				
	21-Nov-18	7.7	713	0.0	9.0
	12-Dec-18 (1)				
	18-Jan-19	7.5	402	1.2	8.6
	26-Feb-19 (2)				
	15-Mar-19 (2)				
	24-Apr-19	7.5	282	4.6	6.6
	14-May-19	7.7	325	7.1	7.5
	23-May-19	7.6	350	10.8	5.4
	18-Jun-19	7.5	435	15.9	5.0
	29-Jul-19 (1)				
	29-Aug-19 (1)				
	23-Oct-19 (1)				
	22-Nov-19 (2)				
	20-Dec-19 (2)				
	15-Jan-20 (2)				
	20-Feb-20 (2)				
	26-Mar-20	7.4	322	4.1	8.2
	27-Apr-20 (1)				
	19-May-20	7.9	390	7.3	6.3
	29-May-20	8.0	352	13.9	5.0
	23-Jun-20	7.7	334	15.0	4.5
	30-Jul-20 (1)	8.5	624	18.8	6.8
	25-Aug-20 (1)				
	25-Sep-20 (1)				
	30-Oct-20 (1)				
	26-Nov-20 (2)				
	23-Dec-20 (2)				
	27-Jan-21 (2)				
	22-Feb-21 (2)				
	29-Mar-21	7.5	239	4.4	8.6
	27-Apr-21	7.6	320	6.2	8.8
	27-May-21	7.8	699	10.9	7.4
	22-Jun-21 (1)				
	22-Jul-21 (1)				
	25-Aug-21 (1)				
	28-Sep-21 (1)				
26-Oct-21	7.4	377	7.6	6.9	
23-Nov-21 (2)					
21-Dec-21 (2)					
24-Jan-22 (2)					
8-Feb-22 (2)					
16-Mar-22 (2)					
21-Apr-22	7.2	321	2.9	8.7	
26-May-22 (1)	7.2	802	13.0	4.1	

Surface Water Station	PWQO	pH (su)	EC (µS/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
SW3 (cont'd)	24-Jun-22 (1)	7.5	864	15.6	2.5
	29-Aug-22 (1)	7.6	1,006	18.1	1.6
	27-Sep-22	7.7	953	14.5	4.1
	26-Oct-22 (1)				
	21-Nov-22 (1)				
	21-Dec-22 (1)				
	24-Jan-23 (1)	7.3	1,822	0.0	3.5
	22-Feb-23	7.4	393	2.6	8.3
	27-Mar-23	8.8	365	0.9	6.0
	21-Apr-23	6.5	333	9.3	6.0
	16-May-23	7.2	734	9.7	4.0
	26-Jun-23 (1)				
	25-Jul-23 (1)				
	28-Aug-23 (1)				
	25-Sep-23 (1)				
	30-Oct-23 (1)				
	29-Nov-23 (2)	7.8	1,537	0.2	11.2
18-Dec-23 (1)					
SW4	22-May-03 (1)				
	23-Jun-03 (1)				
	22-Jul-03 (1)				
	20-Aug-03 (1)				
	25-Sep-03 (1)				
	22-Oct-03 (1)				
	28-Nov-03 (1)				
	19-Dec-03 (1)				
	10-Feb-04 (1)				
	18-Mar-04 (1)				
	19-Apr-04 (1)				
	19-May-04 (1)				
	24-Jun-04 (1)				
	29-Jul-04 (1)				
	23-Aug-04 (1)				
	21-Sep-04 (1)				
	21-Oct-04 (1)				
	17-Nov-04 (1)				
	15-Dec-04 (2)				
	13-Jan-05	7.2	125	0.9	13.6
	13-Feb-05 (2)				
	27-Mar-05 (2)				
	10-Apr-05 (2)				
	22-May-05 (1)				
	26-Jun-05 (1)				
	10-Jul-05 (1)				
	21-Aug-05 (1)				
25-Sep-05 (1)					
23-Oct-05 (1)					
13-Nov-05 (1)					
11-Dec-05 (2)					
15-Jan-06 (2)					

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
SW4 (cont'd)	19-Feb-06 (2)				
	31-Mar-06	7.2	360	6.0	
	7-Apr-06	7.9	463	6.6	
	13-Apr-06	8.6	538	15.5	
	16-Apr-06 (1)				
	21-May-06 (1)				
	18-Jun-06 (1)				
	9-Jul-06 (1)				
	20-Aug-06 (1)				
	17-Sep-06 (1)				
	15-Oct-06 (1)				
	17-Nov-06	7.4	509	4.4	9.3
	17-Dec-06 (1)				
	21-Jan-07 (2)				
	18-Feb-07 (2)				
	18-Mar-07	8.0	338	1.5	11.4
	16-Apr-07 (1)				
	13-May-07 (1)				
	17-Jun-07 (1)				
	15-Jul-07 (1)				
	19-Aug-07 (1)				
	16-Sep-07 (1)				
	14-Oct-07 (1)				
	18-Nov-07 (1)				
	9-Dec-07 (2)				
	20-Jan-08 (2)				
	17-Feb-08 (2)				
	16-Mar-08 (2)				
	7-Apr-08	7.5	316	2.8	8.8
	20-Apr-08 (1)				
	18-May-08 (1)				
	15-Jun-08 (1)				
	13-Jul-08 (1)				
	17-Aug-08 (1)				
	14-Sep-08 (1)				
	19-Oct-08 (1)				
23-Nov-08 (2)					
14-Dec-08 (1)					
18-Jan-09 (2)					
8-Feb-09 (1)					
15-Mar-09	7.6	356	2.0	6.0	
12-Apr-09	8.1	558	11.0		
17-May-09 (1)					
14-Jun-09 (1)					
12-Jul-09 (1)					
9-Aug-09 (1)					
13-Sep-09 (1)					
11-Oct-09 (1)					
15-Nov-09 (1)					
13-Dec-09 (1)					

Surface Water Station	PWQO	pH (su)	EC (µS/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
SW4 (cont'd)	17-Jan-10 (2)				
	7-Feb-10 (2)				
	14-Mar-10	8.0	383	2.3	8.4
	4-Apr-10				
	11-Apr-10 (1)				
	16-May-10 (1)				
	23-May-10				
	13-Jun-10 (1)				
	19-Jul-10	7.3	303	20.6	5.0
	15-Aug-10 (1)				
	12-Sep-10 (1)				
	17-Oct-10 (1)				
	14-Nov-10 (1)				
	19-Dec-10 (2)				
	16-Jan-11				
	20-Feb-11				
	13-Mar-11 (2)				
	17-Mar-11				
	18-Mar-11				
	20-Mar-11 (2)				
	1-Apr-11				
	5-Apr-11				
	8-Apr-11				
	12-Apr-11				
	15-Apr-11				
	17-Apr-11 (1)				
	20-Apr-11				
	21-Apr-11				
	26-Apr-11				
	29-Apr-11				
	3-May-11				
	6-May-11				
	10-May-11				
	13-May-11				
15-May-11 (1)					
16-May-11					
18-May-11					
19-May-11					
20-May-11					
27-May-11					
3-Jun-11					
12-Jun-11 (1)					
17-Jul-11 (1)					
14-Aug-11 (1)					
18-Sep-11 (1)					
16-Oct-11 (1)					
20-Nov-11					
18-Dec-11 (1)					
15-Jan-12 (2)					
19-Feb-12 (2)					

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
SW4 (cont'd)	18-Mar-12 (1)				
	15-Apr-12 (1)				
	13-May-12 (1)				
	17-Jun-12 (1)				
	15-Jul-12 (1)				
	12-Aug-12 (1)				
	16-Sep-12 (1)				
	14-Oct-12 (1)				
	18-Nov-12 (1)				
	16-Dec-12	6.9	308	1.4	5.7
	13-Jan-13	7.4	370	0.3	4.3
	17-Feb-13 (2)				
	17-Mar-13 (2)				
	15-Apr-13	7.5	349	8.6	6.0
	12-May-13 (1)				
	16-Jun-13 (1)				
	14-Jul-13 (1)				
	18-Aug-13 (1)				
	15-Sep-13 (1)				
	13-Oct-13 (1)				
	19-Nov-13	8.0	338	2.6	1.4
	15-Dec-13 (2)				
	19-Jan-14 (2)				
	16-Feb-14 (2)				
	16-Mar-14 (2)				
	15-Apr-14	7.5	161	3.7	2.7
	15-Jun-14 (1)				
	13-Jul-14 (1)				
	17-Aug-14 (1)				
	7-Sep-14 (1)				
	22-Oct-14	7.5	421	8.6	7.0
	16-Nov-14 (2)				
	14-Dec-14 (2)				
	18-Jan-15 (2)				
	15-Feb-15 (2)				
	15-Mar-15 (2)				
22-Apr-15	7.5	565	5.7	1.7	
17-May-15 (1)					
14-Jun-15 (1)					
19-Jul-15 (1)					
9-Aug-15 (1)					
23-Aug-15					
6-Sep-15 (1)					
11-Oct-15 (1)					
8-Nov-15					
15-Nov-15 (1)					
6-Dec-15 (1)					
17-Jan-16 (2)					
14-Feb-16 (2)					
15-Mar-16	7.1	327	3.2	4.4	

**Table C-3 Surface Water Field Chemical Results**

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
SW4 (cont'd)	20-Apr-16	7.9	467	16.8	8.5
	17-May-16	7.7	472	8.5	3.9
	19-Jun-16 (1)				
	3-Jul-16				
	17-Jul-16 (1)				
	7-Aug-16				
	21-Aug-16 (1)				
	18-Sep-16 (1)				
	16-Oct-16 (1)				
	18-Nov-16 (1)				
	12-Dec-16 (1)				
	24-Jan-17	7.2	327	(0)	3.0
	15-Feb-17 (2)				
	21-Mar-17	7.5	356	1.1	6.9
	19-Apr-17	7.4	401	7.4	8.6
	16-May-17	7.9	523	10.8	13.7
	28-Jun-17	7.0	425	13.9	2.6
	7-Jul-17				
	18-Jul-17 (1)				
	27-Jul-17				
	13-Aug-17 (1)				
	17-Sep-17 (1)				
	17-Oct-17	7.2	335	7.4	6.7
	14-Nov-17	7.3	441	2.3	12.3
	14-Dec-17	7.2	510	0.9	7.1
	17-Jan-18 (2)				
	22-Feb-18	7.1	196	(0)	1.0
	20-Mar-18	7.4	404	0.4	9.0
	18-Apr-18	7.4	639	(0)	2.2
	15-May-18	7.8	711	15.9	6.9
	20-Jun-18 (1)				
	19-Jul-18 (1)				
	23-Aug-18 (1)				
	19-Sep-18 (1)				
24-Oct-18 (1)					
21-Nov-18	7.5	698	0.1	6.7	
12-Dec-18	7.5	673	0.9	4.4	
18-Jan-19 (2)					
26-Feb-19 (2)					
15-Mar-19 (2)					
24-Apr-19	7.5	657	6.0	0.9	
23-May-19	7.7	665	11.2	2.3	
18-Jun-19 (1)					
29-Jul-19 (1)					
29-Aug-19 (1)					
26-Sep-19 (1)					
23-Oct-19 (1)					
22-Nov-19 (2)					
20-Dec-19 (2)					
15-Jan-20 (2)					

**Table C-3 Surface Water Field Chemical Results**

Surface Water Station	PWQO	pH (su)	EC (µS/cm)	T (°C)	DO
		6.5 - 8.5	nc	nc	a
SW4 (cont'd)	20-Feb-20 (2)				
	26-Mar-20 (1)				
	27-Apr-20 (1)				
	29-May-20 (1)				
	23-Jun-20 (1)	7.7	684	20.2	0.7
	30-Jul-20 (1)	7.4	665	18.0	0.9
	25-Aug-20 (1)	6.9	591	22.2	1.9
	25-Sep-20 (1)	7.0	585	12.6	2.9
	30-Oct-20 (1)	7.0	563	9.8	2.1
	26-Nov-20 (2)				
	23-Dec-20 (2)				
	27-Jan-21 (2)				
	22-Feb-21 (2)				
	29-Mar-21	7.6	622	7.7	0.9
	27-Apr-21	7.5	593	14.0	5.2
	22-Jun-21	7.1	649	14.4	1.5
	22-Jul-21	7.3	712	15.8	2.2
	25-Aug-21	6.7	712	17.8	1.5
	28-Sep-21	7.3	498	12.9	1.8
	26-Oct-21	7.3	477	6.4	4.0
	23-Nov-21 (2)				
	21-Dec-21 (2)				
	24-Jan-22 (2)				
	8-Feb-22 (2)				
	16-Mar-22 (1)	8.2	597	1.4	4.8
	21-Apr-22 (1)	7.9	136	4.8	1.2
	24-May-22 (1)	7.9	887	14.9	1.0
	25-Jun-22 (1)	7.6	987	6.5	2.0
	26-Aug-22 (1)	7.9	1,102	7.8	1.0
	27-Sep-22 (1)	7.1	481	12.1	2.7
	26-Oct-22 (1)				
	21-Nov-22 (1)				
	20-Dec-22	7.6	358	1.0	2.7
	24-Jan-23	7.1	638	0.4	2.6
	22-Feb-23	7.1	534	0.2	2.4
	27-Mar-23	8.6	565	0.4	1.4
21-Apr-23	8.2	459	13.0	15.0	
16-May-23	7.8	780	11.9	7.1	
26-Jun-23 (1)					
25-Jul-23	7.6	499	20.2	1.3	
28-Aug-23 (1)					
25-Sep-23 (1)					
30-Oct-23	7.2	477	6.5	3.9	
29-Nov-23	7.5	689	0.0	10.9	
18-Dec-23	7.2	654	2.3	13.0	
SW6A	22-Oct-03	6.6	461	5.1	
	10-Feb-04 (2)				
	16-Mar-04	6.1	435	0.3	10.2
	19-Apr-04	7.6	303	9.0	11.5
19-May-04	7.7	432	15.4	7.8	

**Table C-3 Surface Water Field Chemical Results**

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
SW6A (cont'd)	24-Jun-04	7.7	433	14.8	7.2
	29-Jul-04	7.7	867	17.7	6.4
	26-Aug-04	7.8	432	15.2	
	22-Sep-04	7.7	417	11.7	8.0
	21-Oct-04	7.7	356	6.9	9.3
	16-Nov-04	7.6	339	2.1	12.0
	15-Dec-04 (2)				
	16-Jan-05 (2)				
	13-Feb-05 (2)				
	28-Mar-05	7.4	303	0.6	12.4
	11-Apr-05	6.4	196	1.8	10.9
	24-May-05	7.3	407	12.5	8.4
	28-Jun-05	7.7	528	21.5	6.4
	11-Jul-05	6.1	503	19.6	5.8
	22-Aug-05	6.9	460	15.8	6.8
	27-Sep-05	7.3	382	11.7	7.6
	24-Oct-05	8.1	448	6.3	10.8
	14-Nov-05	7.8	356	5.5	11.0
	16-Jan-06	7.1	285	0.1	10.8
	19-Feb-06 (2)				
	20-Mar-06	8.3	276	0.4	11.0
	18-Apr-06	7.9	414	10.1	9.1
	23-May-06	8.5	493	7.2	10.1
	21-Jun-06	7.8	460	18.9	
	11-Jul-06	7.9	463	19.0	
	22-Aug-06	7.6	501	19.2	
	20-Sep-06	7.6	469	11.9	
	18-Oct-06	7.5	443	9.4	
	24-Nov-06	7.9	521	1.8	13.4
	17-Dec-06	7.8	521	1.2	14.1
	21-Jan-07 (2)				
	18-Feb-07 (2)				
	18-Mar-07	7.8	511	0.4	9.6
	16-Apr-07	8.1	460	3.1	11.5
	13-May-07	8.2	483	17.9	8.3
	17-Jun-07	8.1	535	20.3	5.5
	15-Jul-07	7.8	508	18.5	6.8
	19-Aug-07	8.0	523	17.0	7.9
	18-Sep-07	7.9	476	12.2	8.4
	18-Oct-07	7.8	489	12.2	8.0
21-Nov-07	7.8	556	2.5	10.9	
9-Dec-07 (2)					
21-Jan-08	6.5	460	0.1	2.7	
17-Feb-08 (2)					
18-Mar-08	7.6	506	0.3	11.9	
2-Apr-08	7.5	369	0.4	9.6	
24-Apr-08	7.6	452	12.5	6.1	
21-May-08	7.7	439	10.3	8.4	
17-Jun-08	7.7	348	16.8	6.3	
15-Jul-08	7.3	525	18.6	5.8	



Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	DO
		6.5 - 8.5	nc	nc	a
SW6A (cont'd)	19-Aug-08	7.8	556	17.8	4.1
	12-Sep-08	7.8	515	13.5	5.2
	22-Oct-08	7.5	466	3.1	8.1
	23-Nov-08	7.6	540	0.5	7.3
	14-Dec-08	6.8	436	0.1	4.9
	18-Jan-09	7.5	529	0.1	6.7
	8-Feb-09		412	0.5	7.0
	15-Mar-09	8.0	339	1.9	13.1
	12-Apr-09	8.8	447	9.8	10.6
	17-May-09	7.9	402	14.5	7.5
	14-Jun-09	8.5	947	14.4	8.6
	12-Jul-09	8.2	474	17.6	9.1
	9-Aug-09	8.2	484	16.3	7.5
	13-Sep-09	6.9	492	16.0	9.1
	11-Oct-09	8.1	530	6.4	12.0
	15-Nov-09	7.4	495	2.1	
	13-Dec-09	7.5	553	0.2	13.5
	17-Jan-10	8.0	549	1.2	12.5
	7-Feb-10	7.4	548	0.2	12.8
	14-Mar-10	7.5	364	2.8	10.9
	4-Apr-10				
	11-Apr-10	8.0	494	11.1	12.2
	16-May-10	8.0	362	13.1	8.8
	23-May-10				
	13-Jun-10	8.0	426	19.6	10.6
	18-Jul-10	7.8	400	18.4	9.3
	15-Aug-10	8.1	481	20.2	7.9
	12-Sep-10	8.2	433	13.0	9.9
	17-Oct-10	8.1	377	8.9	10.4
	14-Nov-10	8.0	253	4.5	10.0
	19-Dec-10	8.0	260	0.5	11.3
	16-Jan-11	7.9	273	0.1	9.6
	20-Feb-11	7.9	275	0.4	6.7
	13-Mar-11	7.9	269	2.1	8.8
	17-Mar-11				
	18-Mar-11				
	20-Mar-11	7.8	251	0.7	10.2
	1-Apr-11				
	5-Apr-11				
	8-Apr-11				
12-Apr-11					
15-Apr-11					
17-Apr-11	8.0	248	3.7	10.0	
20-Apr-11					
21-Apr-11					
26-Apr-11					
29-Apr-11					
3-May-11					
6-May-11					
10-May-11					

**Table C-3 Surface Water Field Chemical Results**

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
SW6A (cont'd)	13-May-11				
	15-May-11	7.8	287	11.6	8.4
	16-May-11				
	18-May-11				
	19-May-11				
	20-May-11				
	27-May-11				
	3-Jun-11				
	12-Jun-11	7.9	345	13.6	8.4
	17-Jul-11	8.4	491	22.1	8.1
	14-Aug-11	8.2	309	21.2	7.7
	18-Sep-11	8.6	380	15.2	9.3
	16-Oct-11	7.8	347	7.8	11.3
	20-Nov-11	8.4	229	1.6	13.2
	18-Dec-11	8.4	248	1.0	14.6
	15-Jan-12	8.0	237	0.6	11.9
	19-Feb-12	8.5	253	0.6	13.4
	18-Mar-12	7.6	297	13.1	7.2
	15-Apr-12	8.6	321	6.0	13.8
	13-May-12	8.1	444	19.7	8.3
	17-Jun-12	8.4	558	25.2	12.8
	16-Jul-12	8.4	522	23.4	7.3
	15-Aug-12	8.3	417	16.4	6.0
	19-Sep-12	7.9	407	12.6	9.3
	18-Oct-12	8.6	347	10.4	8.5
	20-Nov-12	7.6	321	4.2	8.8
	20-Dec-12	7.3	609	0.6	12.4
	15-Jan-13	7.5	264	0.2	9.2
	20-Feb-13	7.9	266	0.2	12.7
	20-Mar-13	7.7	246	0.4	13.3
	16-Apr-13	8.0	268	8.3	8.5
	14-May-13	7.9	300	8.1	9.9
	18-Jun-13	7.9	430	19.5	6.2
	17-Jul-13	7.7	453	22.6	7.2
	18-Sep-13	8.2	385	13.6	10.6
	16-Oct-13	8.5	354	12.7	5.0
	20-Nov-13	7.8	259	0.5	7.2
	17-Dec-13	8.7	269	0.3	7.2
	19-Jan-14 (2)				
	16-Feb-14 (2)				
16-Mar-14 (2)					
16-Apr-14	7.9	201	0.6	11.5	
13-May-14	7.8	366	15.2	8.0	
17-Jun-14	8.0	425	17.3	8.3	
15-Jul-14	7.6	440	16.6	10.6	
19-Aug-14	8.5	445	14.5	7.1	
9-Sep-14	8.6	474	16.0	4.8	
22-Oct-14	7.2	463	9.9	5.9	
16-Nov-14 (2)					
16-Dec-14	8.2	323	0.7		

**Table C-3 Surface Water Field Chemical Results**

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	DO
		6.5 - 8.5	nc	nc	a
SW6A (cont'd)	18-Jan-15 (2)				
	15-Feb-15 (2)				
	18-Mar-15	7.8	238	1.8	11.1
	22-Apr-15	7.8	322	6.0	10.9
	19-May-15	8.1	377	15.5	10.8
	16-Jun-15	7.8	434	19.6	6.9
	22-Jul-15	8.0	476	18.9	8.3
	12-Aug-15	8.0	454	17.8	
	25-Aug-15	8.2	398	17.3	6.3
	8-Sep-15	7.8	473	20.5	8.0
	15-Oct-15	7.7	346	9.4	9.6
	8-Nov-15				
	18-Nov-15	7.2	349	5.3	11.3
	8-Dec-15	8.0	339	2.7	17.2
	19-Jan-16	7.3		(0)	11.1
	14-Feb-16 (2)				
	15-Mar-16	7.5	226	2.4	11.7
	21-Apr-16	7.8	352	9.5	8.9
	17-May-16	8.1	347	7.5	10.7
	22-Jun-16	8.2	445	16.4	7.6
	3-Jul-16				
	20-Jul-16	8.3	450	17.2	8.1
	7-Aug-16				
	24-Aug-16	8.2	430	18.4	7.6
	19-Sep-16	7.7	508	15.2	8.2
	17-Oct-16	8.0	404	13.2	8.3
	25-Oct-16	7.9	363	4.8	12.9
	15-Nov-16	7.5	360	4.8	12.7
	12-Dec-16	7.4	502	0.2	14.4
	24-Jan-17	7.5	281	0.3	11.5
	15-Feb-17	7.8	312	0.0	14.2
	21-Mar-17	7.8	311	0.9	12.4
	19-Apr-17	7.6	334	8.3	11.4
	8-May-17	8.0	243	9.0	12.5
	16-May-17	8.0	494	11.6	9.9
	28-Jun-17	7.7	389	13.7	8.2
	7-Jul-17				
	18-Jul-17	7.5	447	17.3	9.2
	27-Jul-17				
	15-Aug-17	8.5	359	16.3	8.5
18-Sep-17	7.9	447	15.1	8.5	
17-Oct-17	7.7	276	7.6	10.1	
14-Nov-17	7.6	325	1.9	14.1	
14-Dec-17	7.5	305	(0)	16.8	
17-Jan-18	7.4	283	(0)	6.9	
22-Feb-18	7.7	164	(0)	8.9	
20-Mar-18	7.9	313	1.1	15.4	
18-Apr-18	7.8	418	0.2	9.8	
8-May-18	7.8	464	11.2	7.6	
14-May-18	7.9	479	14.1	8.3	

**Table C-3 Surface Water Field Chemical Results**

Surface Water Station	PWQO	pH (su)	EC (µS/cm)	T (°C)	DO
		6.5 - 8.5	nc	nc	a
SW6A (cont'd)	18-Jun-18	8.2	493	20.3	8.1
	19-Jul-18	8.2	484	21.5	7.7
	23-Aug-18	8.1	467	19.4	7.2
	19-Sep-18	7.7	487	17.6	2.8
	24-Oct-18	8.3	523	4.0	12.2
	21-Nov-18	7.8		0.1	12.3
	12-Dec-18	7.7		0.4	11.6
	18-Jan-19	7.7	517	0.1	10.8
	26-Feb-19 (2)				
	15-Mar-19 (2)				
	24-Apr-19	7.9	366	7.4	9.4
	14-May-19	7.9	381	7.0	8.9
	23-May-19	8.0	413	11.6	8.4
	18-Jun-19	8.1	436	17.7	9.0
	29-Jul-19	8.1	432	22.6	7.2
	29-Aug-19	8.1	401	17.8	8.8
	26-Sep-19	7.8	411	15.3	7.5
	23-Oct-19	7.9	422	8.5	7.8
	22-Nov-19	7.9	382	1.2	7.8
	20-Dec-19 (2)				
	15-Jan-20 (2)				
	20-Feb-20 (2)				
	26-Mar-20	7.6	398	1.9	10.4
	27-Apr-20	8.0	407	6.7	10.3
	19-May-20	8.1	460	10.2	9.5
	29-May-20	8.5	458	20.5	6.8
	23-Jun-20	7.9	358	16.2	5.6
	30-Jul-20	8.3	507	20.0	7.6
	25-Aug-20	8.1	447	22.0	7.5
	25-Sep-20	7.3	520	11.7	5.8
	30-Oct-20	7.5	321	7.6	8.0
	26-Nov-20	7.6	538	5.1	11.4
	23-Dec-20 (2)				
	27-Jan-21 (2)				
	22-Feb-21 (2)				
	29-Mar-21	8.0	426	8.0	7.1
	27-Apr-21	7.4	437	13.5	8.9
	27-May-21	8.1	492	16.9	8.7
	22-Jun-21	8.2	468	16.3	8.8
	22-Jul-21	8.0	482	17.3	8.2
25-Aug-21	7.5	598	19.6	7.9	
28-Sep-21	7.7	469	12.1	7.5	
26-Oct-21	7.6	458	7.5	9.6	
23-Nov-21 (2)					
21-Dec-21 (2)					
24-Jan-22 (2)					
8-Feb-22 (2)					
16-Mar-22	7.9	406	0.8	10.2	
21-Apr-22	8.0	647	6.2	9.5	
25-May-22	8.1	501	16.5	9.4	

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	DO
		6.5 - 8.5	nc	nc	a
SW6A (cont'd)	25-Jun-22	7.6	555	6.6	7.0
	26-Aug-22	7.9	654	7.8	7.1
	27-Sep-22	7.7	429	12.4	8.5
	28-Oct-22	7.9	422	7.3	9.6
	23-Nov-22	8.6	386	2.5	11.2
	20-Dec-22	8.4	291	1.1	10.9
	24-Jan-23	7.8	512	0.8	13.2
	22-Feb-23	7.5	536	0.2	12.6
	27-Mar-23	9.0	448	1.7	11.3
	21-Apr-23	7.1	444	11.4	9.8
	16-May-23	7.9	492	12.3	8.9
	26-Jun-23	8.0	193	18.4	9.6
	25-Jul-23	8.0	461	17.6	7.7
	29-Aug-23	7.9	463	17.4	8.6
	25-Sep-23	8.1	534	13.1	8.5
	1-Nov-23	8.2	341	3.5	13.8
	29-Nov-23	7.6	601	0.2	12.1
	18-Dec-23	7.0	568	2.7	11.0
SW8	22-May-03			8.0	
	22-Jul-03 (1)				
	20-Aug-03 (1)				
	25-Sep-03 (1)				
	22-Oct-03 (1)				
	19-Dec-03 (2)				
	10-Feb-04 (2)				
	18-Mar-04 (2)				
	20-Apr-04	7.8	441	11.9	
	19-May-04	7.7	591	17.4	
	24-Jun-04	7.6	617	18.9	
	29-Jul-04	7.7	491	21.9	
	26-Aug-04	7.9	441	20.5	
	23-Sep-04	8.1	403	17.3	
	21-Oct-04 (1)				
	18-Nov-04	8.5	273	6.0	
	15-Dec-04 (2)				
	16-Jan-05 (2)				
	13-Feb-05 (2)				
	27-Mar-05 (2)				
	11-Apr-05	7.0	513	8.5	
	26-May-05	7.8	549	19.3	
	29-Jun-05	7.9	637	24.4	
	12-Jul-05	7.7	589	25.0	
	22-Aug-05	8.7	449	20.6	8.2
	25-Sep-05 (1)				
	25-Oct-05	7.8	434	6.7	3.6
	16-Nov-05	7.7	305	5.8	11.1
11-Dec-05 (2)					
15-Jan-06 (2)					
19-Feb-06 (2)					
19-Mar-06 (2)					

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
SW8 (cont'd)	19-Apr-06	7.8	538	11.3	
	24-May-06	7.8	560	11.8	
	20-Jun-06	7.8	470	22.1	
	12-Jul-06	7.8	355	22.5	
	21-Aug-06	7.3	381	21.6	
	17-Sep-06 (1)				
	17-Oct-06	8.2	282	7.6	
	27-Nov-06	8.4	301	5.6	11.8
	17-Dec-06	7.7	405	3.8	9.5
	21-Jan-07 (2)				
	18-Feb-07 (2)				
	18-Mar-07 (2)				
	16-Apr-07	7.9	572	4.8	
	13-May-07	8.1	509	14.9	
	17-Jun-07 (1)				
	15-Jul-07 (1)				
	19-Aug-07 (1)				
	16-Sep-07 (1)				
	14-Oct-07 (1)				
	18-Nov-07 (1)				
	9-Dec-07 (2)				
	20-Jan-08 (2)				
	17-Feb-08 (2)				
	16-Mar-08 (2)				
	4-Apr-08	7.2	496	0.4	10.8
	15-Jun-08 (1)				
	13-Jul-08 (1)				
	17-Aug-08 (1)				
	14-Sep-08 (1)				
	19-Oct-08 (1)				
	23-Nov-08 (2)				
	14-Dec-08 (2)				
	18-Jan-09 (2)				
	8-Feb-09 (2)				
	15-Mar-09	7.7	295	7.5	
	12-Apr-09	8.1	515	9.6	
	17-May-09	7.7	423	15.4	
	14-Jun-09 (1)				
	12-Jul-09 (1)				
	9-Aug-09 (1)				
13-Sep-09 (1)					
11-Oct-09 (1)					
15-Nov-09 (1)					
13-Dec-09 (1)					
17-Jan-10 (2)					
7-Feb-10 (2)					
14-Mar-10 (2)					
4-Apr-10					
11-Apr-10	7.7	507	12.3	12.5	
13-Jun-10 (1)					

**Table C-3 Surface Water Field Chemical Results**

Surface Water Station	PWQO	pH (su)	EC (µS/cm)	T (°C)	D O	
		6.5 - 8.5	nc	nc	a	
SW8 (cont'd)	18-Jul-10 (1)					
	15-Aug-10 (1)					
	12-Sep-10 (1)					
	17-Oct-10 (1)					
	14-Nov-10 (1)					
	19-Dec-10 (2)					
	16-Jan-11					
	20-Feb-11					
	13-Mar-11 (2)					
	17-Mar-11					
	18-Mar-11					
	20-Mar-11					
	1-Apr-11					
	5-Apr-11					
	8-Apr-11					
	12-Apr-11					
	15-Apr-11					
	17-Apr-11		7.9	338	5.6	13.7
	20-Apr-11					
	21-Apr-11					
	26-Apr-11					
	29-Apr-11					
	3-May-11					
	6-May-11					
	10-May-11					
	15-May-11		7.6	297	11.6	12.0
	16-May-11					
	18-May-11					
	19-May-11					
	20-May-11					
	27-May-11					
	3-Jun-11					
	17-Jul-11 (1)					
	14-Aug-11 (1)					
	18-Sep-11 (1)					
	16-Oct-11 (1)					
	20-Nov-11					
	18-Dec-11 (2)					
	15-Jan-12 (2)					
	19-Feb-12 (2)					
20-Mar-12		7.7	384	17.6	8.4	
15-Apr-12 (1)						
13-May-12 (1)						
17-Jun-12 (1)						
15-Jul-12 (1)						
12-Aug-12 (1)						
16-Sep-12 (1)						
14-Oct-12 (1)						
18-Nov-12 (1)						
16-Dec-12 (1)						

**Table C-3 Surface Water Field Chemical Results**

Surface Water Station	PWQO	pH (su)	EC (µS/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
SW8 (cont'd)	13-Jan-13 (1)				
	17-Feb-13 (2)				
	17-Mar-13 (2)				
	17-Apr-13	7.7	386	9.4	10.9
	13-May-13	7.6	246	7.2	10.1
	16-Jun-13 (1)				
	14-Jul-13 (1)				
	18-Aug-13 (1)				
	15-Sep-13 (1)				
	13-Oct-13 (1)				
	17-Nov-13 (1)				
	15-Dec-13 (2)				
	19-Jan-14 (2)				
	16-Feb-14 (2)				
	16-Mar-14 (2)				
	13-Apr-14 (2)				
	12-May-14	7.1	391	18.6	3.4
	15-Jun-14 (1)				
	13-Jul-14 (1)				
	17-Aug-14 (1)				
	7-Sep-14 (1)				
	19-Oct-14 (1)				
	16-Nov-14 (2)				
	14-Dec-14 (2)				
	18-Jan-15 (2)				
	15-Feb-15 (2)				
	15-Mar-15 (2)				
	23-Apr-15	7.8	150	7.4	11.9
	17-May-15 (1)				
	14-Jun-15 (1)				
	19-Jul-15 (1)				
	9-Aug-15 (1)				
	23-Aug-15				
	6-Sep-15 (1)				
	11-Oct-15 (1)				
	8-Nov-15				
	15-Nov-15 (1)				
	6-Dec-15 (1)				
	17-Jan-16 (2)				
	14-Feb-16 (2)				
15-Mar-16	6.8	135	0.9	7.3	
15-May-16 (1)					
19-Jun-16 (1)					
3-Jul-16					
17-Jul-16 (1)					
7-Aug-16					
21-Aug-16 (1)					
18-Sep-16 (1)					
16-Oct-16 (1)					
18-Nov-16 (1)					



Surface Water Station	PWQO	pH (su)	EC (µS/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
SW8 (cont'd)	12-Dec-16 (1)				
	22-Jan-17 (2)				
	15-Feb-17 (2)				
	19-Mar-17 (2)				
	16-Apr-17 (1)				
	14-May-17 (1)				
	28-Jun-17 (1)				
	7-Jul-17				
	18-Jul-17 (1)				
	27-Jul-17				
	13-Aug-17 (1)				
	17-Sep-17 (1)				
	17-Oct-17 (1)				
	14-Nov-17 (1)				
	12-Dec-17 (2)				
	17-Jan-18 (2)				
	24-Feb-18	7.9	158	0.3	8.6
	18-Mar-18 (2)				
	18-Apr-18 (2)				
	13-May-18 (1)				
	20-Jun-18 (1)				
	19-Jul-18 (1)				
	23-Aug-18 (1)				
	19-Sep-18 (1)				
	24-Oct-18 (1)				
	21-Nov-18 (1)				
	12-Dec-18 (1)				
	18-Jan-19 (2)				
	26-Feb-19 (2)				
	15-Mar-19 (2)				
	24-Apr-19 (1)				
	23-May-19 (1)				
	18-Jun-19 (1)				
	29-Jul-19 (1)				
	29-Aug-19 (1)				
	26-Sep-19 (1)				
	23-Oct-19 (1)				
	22-Nov-19 (2)				
	20-Dec-19 (2)				
	15-Jan-20 (2)				
20-Feb-20 (2)					
26-Mar-20 (2)					
27-Apr-20					
29-May-20 (1)					
23-Jun-20 (1)					
30-Jul-20 (1)					
25-Aug-20 (1)					
25-Sep-20 (1)					
30-Oct-20 (1)					
26-Nov-20 (2)					

Surface Water Station	PWQO	pH (su)	EC (µS/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
SW8 (cont'd)	23-Dec-20 (2)				
	27-Jan-21 (2)				
	22-Feb-21 (2)				
	29-Mar-21 (1)				
	27-Apr-21 (1)				
	27-May-21 (1)				
	22-Jun-21 (1)				
	22-Jul-21 (1)				
	25-Aug-21 (1)				
	28-Sep-21 (1)				
	26-Oct-21 (1)				
	23-Nov-21 (2)				
	21-Dec-21 (2)				
	24-Jan-22 (2)				
	8-Feb-22 (2)				
	16-Mar-22 (1)				
	21-Apr-22 (1)				
	24-May-22 (1)				
	22-Jun-22 (1)				
	26-Aug-22 (1)				
	27-Sep-22 (1)				
	28-Oct-22 (1)				
	23-Nov-22 (1)				
	16-May-23 (1)				
	27-Jun-23 (1)				
	25-Jul-23 (1)				
30-Aug-23					
25-Sep-23 (1)					
1-Nov-23					
SW9	22-May-03			8.0	
	23-Jun-03 (1)				
	22-Jul-03 (1)				
	20-Aug-03 (1)				
	25-Sep-03 (1)				
	22-Oct-03 (1)				
	13-Feb-04		314	1.0	9.3
	18-Mar-04		393	0.5	7.1
	20-Apr-04	7.6	259	8.3	10.8
	19-May-04	7.6	416	15.3	7.4
	24-Jun-04	7.7	483	16.4	8.3
	29-Jul-04 (1)				
	23-Aug-04 (1)				
	21-Sep-04 (1)				
	21-Oct-04 (1)				
	17-Nov-04 (1)				
	15-Dec-04 (2)				
	16-Jan-05 (2)				
	13-Feb-05 (2)				
	29-Mar-05	7.5	279	1.9	10.5
11-Apr-05	6.7	179	0.9	11.5	

Surface Water Station	PWQO	pH (su)	EC (µS/cm)	T (°C)	DO
		6.5 - 8.5	nc	nc	a
SW9 (cont'd)	26-May-05	7.7	415	16.9	7.4
	26-Jun-05 (1)				
	10-Jul-05 (1)				
	21-Aug-05 (1)				
	25-Sep-05 (1)				
	23-Oct-05 (1)				
	13-Nov-05 (1)				
	11-Dec-05 (1)				
	18-Jan-06	7.4	231	1.5	10.3
	19-Feb-06 (2)				
	22-Mar-06	8.0	219	0.5	13.4
	19-Apr-06	7.8	360	7.5	
	24-May-06	7.9	420	9.3	
	18-Jun-06 (1)				
	9-Jul-06 (1)				
	20-Aug-06 (1)				
	17-Sep-06 (1)				
	15-Oct-06 (1)				
	27-Nov-06	7.7	424	5.5	8.4
	17-Dec-06	7.6	423	0.9	10.9
	21-Jan-07 (2)				
	18-Feb-07 (2)				
	18-Mar-07 (2)				
	16-Apr-07	8.0	386	0.8	11.3
	13-May-07	8.2	415	11.7	9.4
	17-Jun-07 (1)				
	15-Jul-07 (1)				
	19-Aug-07 (1)				
	16-Sep-07 (1)				
	14-Oct-07 (1)				
	18-Nov-07 (1)				
	9-Dec-07 (2)				
	20-Jan-08 (2)				
	17-Feb-08 (2)				
	16-Mar-08 (2)				
	4-Apr-08	7.4	353	3.7	7.1
	23-Apr-08	7.8	361	13.7	
	21-May-08	7.7	372	9.0	9.4
	15-Jun-08 (1)				
	13-Jul-08 (1)				
17-Aug-08 (1)					
14-Sep-08 (1)					
19-Oct-08 (1)					
23-Nov-08 (2)					
14-Dec-08 (2)					
18-Jan-09 (2)					
8-Feb-09 (2)					
15-Mar-09	7.7	342	10.4	5.4	
12-Apr-09	7.9	393	8.4	11.1	
17-May-09	7.4	340	11.2	8.4	

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	D O	
		6.5 - 8.5	nc	nc	a	
SW9 (cont'd)	14-Jun-09 (1)					
	12-Jul-09 (1)					
	9-Aug-09 (1)					
	13-Sep-09 (1)					
	11-Oct-09 (1)					
	15-Nov-09 (1)					
	13-Dec-09 (2)					
	17-Jan-10 (2)					
	7-Feb-10 (2)					
	14-Mar-10		7.3	323	0.5	12.9
	11-Apr-10		8.2	367	9.0	13.1
	16-May-10		7.7	274	10.6	8.6
	23-May-10		7.3	346	18.3	7.8
	13-Jun-10		7.7	333	15.0	10.4
	18-Jul-10		7.9	4	19.2	11.1
	15-Aug-10 (1)					
	12-Sep-10 (1)					
	17-Oct-10		8.0	286	6.4	10.1
	14-Nov-10		7.8	244	5.3	9.6
	19-Dec-10 (2)					
	16-Jan-11					
	20-Feb-11					
	13-Mar-11 (2)					
	17-Mar-11					
	18-Mar-11					
	20-Mar-11		7.9	200	0.7	10.9
	1-Apr-11					
	5-Apr-11					
	8-Apr-11					
	12-Apr-11					
	15-Apr-11					
	17-Apr-11		8.2	217	2.1	10.5
	20-Apr-11					
	21-Apr-11					
	26-Apr-11					
	29-Apr-11					
	3-May-11					
	6-May-11					
	10-May-11					
	13-May-11					
15-May-11		7.6	220	8.7	9.8	
16-May-11						
18-May-11						
19-May-11						
20-May-11						
27-May-11						
3-Jun-11						
12-Jun-11		7.7	315	16.1	7.9	
17-Jul-11 (1)						
14-Aug-11 (1)						

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	DO
		6.5 - 8.5	nc	nc	a
SW9 (cont'd)	18-Sep-11 (1)				
	16-Oct-11 (1)				
	20-Nov-11				
	18-Dec-11 (2)				
	15-Jan-12 (2)				
	19-Feb-12 (2)				
	18-Mar-12	7.7	231	12.7	8.2
	15-Apr-12	8.5	278	7.5	10.3
	13-May-12	8.2	320	21.6	7.4
	17-Jun-12 (1)				
	15-Jul-12 (1)				
	12-Aug-12 (1)				
	16-Sep-12 (1)				
	14-Oct-12 (1)				
	18-Nov-12 (1)				
	16-Dec-12	7.1	348	1.9	8.1
	13-Jan-13	7.7	222	0.2	9.0
	17-Feb-13 (2)				
	17-Mar-13 (2)				
	16-Apr-13	8.3	167		9.1
	13-May-13	7.2	231	7.6	11.0
	18-Jun-13	7.9	343	16.0	5.7
	14-Jul-13 (1)				
	18-Aug-13 (1)				
	15-Sep-13 (1)				
	13-Oct-13 (1)				
	19-Nov-13	8.3	235	2.5	1.9
	15-Dec-13 (2)				
	19-Jan-14 (2)				
	16-Feb-14 (2)				
	16-Mar-14 (2)				
	15-Apr-14	7.7	149	0.2	11.2
	12-May-14	7.7	306	15.5	4.1
	15-Jun-14 (1)				
	13-Jul-14 (1)				
	17-Aug-14 (1)				
	7-Sep-14 (1)				
	23-Oct-14		345	8.3	11.0
	16-Nov-14 (2)				
	14-Dec-14 (2)				
18-Jan-15 (2)					
15-Feb-15 (2)					
15-Mar-15 (2)					
23-Apr-15	7.8	206	2.4	11.8	
17-May-15 (1)					
16-Jun-15	7.8	372	14.6	6.7	
19-Jul-15 (1)					
9-Aug-15 (1)					
23-Aug-15 (1)					
6-Sep-15 (1)					

Surface Water Station	PWQO	pH (su)	EC (µS/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
SW9 (cont'd)	11-Oct-15 (1)				
	8-Nov-15				
	15-Nov-15 (1)				
	6-Dec-15 (1)				
	17-Jan-16 (2)				
	14-Feb-16 (2)				
	15-Mar-16	6.9	167	1.0	11.9
	20-Apr-16	7.5	246	7.9	8.5
	17-May-16	7.9	318	11.0	8.7
	19-Jun-16 (1)				
	3-Jul-16				
	17-Jul-16 (1)				
	7-Aug-16				
	21-Aug-16 (1)				
	18-Sep-16 (1)				
	16-Oct-16 (1)				
	25-Oct-16 (1)				
	18-Nov-16 (1)				
	12-Dec-16 (1)				
	25-Jan-17	7.9	218	1.4	10.7
	15-Feb-17 (2)				
	22-Mar-17	7.6	530	0.1	7.7
	19-Apr-17	7.1	254	9.1	9.6
	8-May-17	8.2	189	8.3	12.2
	16-May-17	8.0	310	14.3	7.0
	28-Jun-17	7.8	356	13.2	7.4
	7-Jul-17				
	18-Jul-17 (1)				
	27-Jul-17				
	13-Aug-17 (1)				
	17-Sep-17 (1)				
	17-Oct-17 (1)				
	15-Nov-17	7.9	285	3.2	7.7
	12-Dec-17 (2)				
	17-Jan-18 (2)				
	24-Feb-18	7.8	185	(0)	13.6
	18-Mar-18 (2)				
	18-Apr-18 (2)				
	8-May-18	7.8	364	14.2	8.6
	14-May-18	7.6	349	11.4	6.8
19-Jun-18 (1)					
18-Jul-18 (1)					
23-Aug-18 (1)					
19-Sep-18 (1)					
24-Oct-18 (1)					
21-Nov-18 (1)					
12-Dec-18	7.7	376	2.6	7.6	
18-Jan-19 (2)					
26-Feb-19 (2)					
15-Mar-19 (2)					

Surface Water Station	PWQO	pH (su)	EC (µS/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
SW9 (cont'd)	24-Apr-19	7.8	285	4.4	9.9
	14-May-19	7.8	297	6.6	8.7
	23-May-19	7.7	344	11.2	6.9
	18-Jun-19 (1)				
	29-Jul-19 (1)				
	29-Aug-19 (1)				
	26-Sep-19 (1)				
	23-Oct-19 (1)				
	22-Nov-19 (2)				
	20-Dec-19 (2)				
	15-Jan-20 (2)				
	20-Feb-20 (2)				
	26-Mar-20 (2)				
	27-Apr-20				
	19-May-20	7.9	390	7.3	10.5
	29-May-20 (1)				
	23-Jun-20 (1)				
	30-Jul-20 (1)				
	30-Oct-20 (1)				
	26-Nov-20 (1)				
	23-Dec-20 (2)				
	27-Jan-21 (2)				
	22-Feb-21 (2)				
	29-Mar-21 (2)				
	27-Apr-21	7.3	331	10.0	8.8
	27-May-21 (1)				
	22-Jun-21 (1)				
	22-Jul-21 (1)				
	25-Aug-21 (1)				
	28-Sep-21 (3)				
	26-Oct-21 (1)				
	23-Nov-21 (2)				
	21-Dec-21 (2)				
	24-Jan-22 (2)				
	8-Feb-22 (2)				
	16-Mar-22 (2)				
21-Apr-22	7.4	594	0.0	12.4	
25-May-22 (1)					
22-Jun-22	7.5	610	9.8	7.0	
26-Aug-22 (1)					
27-Sep-22	7.5	436	11.7	10.3	
28-Oct-22 (1)					
23-Nov-22 (1)					
21-Dec-22 (1)					
24-Jan-23 (1)					
22-Feb-23	7.6	336	0.0	10.5	
27-Mar-23	8.8	328	2.3	10.4	
21-Apr-23	6.2	316	10.9	7.5	
16-May-23 (1)					
27-Jun-23 (1)					

**Table C-3 Surface Water Field Chemical Results**

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
SW9 (cont'd)	25-Jul-23 (1)				
	30-Aug-23 (1)				
	25-Sep-23 (1)				
	1-Nov-23 (1)				
	29-Nov-23 (1)				
	18-Dec-23 (1)				
SW10	22-May-03			15.0	
	22-Oct-03	7.5	523	6.2	
	11-Feb-04		306	1.2	
	18-Mar-04		448	2.9	7.7
	20-Apr-04	8.0	261	8.5	
	19-May-04	8.0	386	10.8	
	24-Jun-04	8.0	434	13.0	
	29-Jul-04	8.0	452	16.0	8.9
	26-Aug-04	8.1	477	16.5	
	21-Sep-04	8.2	486	15.9	8.2
	21-Oct-04	7.7	367	7.9	6.8
	17-Nov-04	7.7	384	8.5	9.2
	15-Dec-04 (2)				
	16-Jan-05 (2)				
	13-Feb-05 (2)				
	29-Mar-05	7.8	314	4.5	
	11-Apr-05	7.3	229	5.5	
	26-May-05	6.8	386	11.3	10.2
	29-Jun-05	7.9	503	15.9	9.7
	12-Jul-05	7.8	528	17.8	6.8
	22-Aug-05	8.9	394	14.9	8.6
	25-Sep-05	7.9	443	14.2	8.7
	25-Oct-05	7.9	471	7.3	10.4
	16-Nov-05	8.3	349	7.2	10.0
	13-Dec-05	7.5	248	0.1	6.1
	17-Jan-06	6.8	242	1.7	12.9
	19-Feb-06 (2)				
	22-Mar-06	8.4	266	3.8	
	19-Apr-06	8.2	361	7.7	
	24-May-06	8.0	457	10.5	
	23-Jun-06	7.9	497	14.0	
	12-Jul-06	8.1	464	15.6	
	23-Aug-06	7.9	512	17.5	
	21-Sep-06	7.9	461	11.0	
	19-Oct-06	7.5	457	9.5	
	27-Nov-06	8.5	488	6.0	
17-Dec-06	8.2	493	3.0		
21-Jan-07 (2)					
18-Feb-07 (2)					
18-Mar-07 (2)					
16-Apr-07	8.2	420	3.2		
13-May-07	8.4	440	11.5		
21-Nov-07	8.0	431	5.6		
9-Dec-07 (2)					



Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
SW10 (cont'd)	20-Jan-08 (2)				
	17-Feb-08 (2)				
	16-Mar-08 (2)				
	4-Apr-08	7.4	376	4.6	
	23-Apr-08	8.0	347	10.4	
	20-May-08	7.2	408	10.6	
	18-Jun-08	8.0	451	12.9	
	19-Aug-08	7.8	559	12.4	
	21-Oct-08	7.7	442	8.0	
	23-Nov-08	7.7	471	3.8	
	14-Dec-08	7.1	378	3.6	
	18-Jan-09 (2)				
	8-Feb-09		329	2.2	9.7
	15-Mar-09	8.1	333	4.4	
	12-Apr-09	9.0	406	5.9	
	17-May-09	8.2	382	15.6	8.1
	14-Jun-09	8.3	900	12.6	9.4
	12-Jul-09	9.6	506	14.1	7.7
	9-Aug-09	8.2	485	16.8	8.5
	11-Oct-09	7.9	474	5.5	11.5
	15-Nov-09	7.7	409	5.9	10.6
	13-Dec-09	7.8	458	0.1	12.7
	17-Jan-10 (2)				
	7-Feb-10 (2)				
	14-Mar-10	7.8	435	5.2	14.7
	4-Apr-10				
	11-Apr-10	8.1	443	9.1	
	16-May-10	8.2	312	9.2	10.6
	23-May-10				
	13-Jun-10	8.1	357	12.7	12.5
	18-Jul-10	8.1	330	17.9	11.4
	15-Aug-10	8.3	318	15.4	9.3
	12-Sep-10	8.2	415	13.4	8.6
	17-Oct-10	7.9	352	10.3	8.4
	14-Nov-10	8.0	251	6.0	10.3
	19-Dec-10 (2)				
	16-Jan-11				
	20-Feb-11	8.3	248	1.1	11.6
	13-Mar-11	8.4	247	3.4	13.4
	17-Mar-11				
18-Mar-11					
22-Mar-11	8.4	306	4.0	13.0	
1-Apr-11					
5-Apr-11					
8-Apr-11					
12-Apr-11					
15-Apr-11					
17-Apr-11	8.3	277	6.6	13.2	
20-Apr-11					
21-Apr-11					

Surface Water Station	PWQO	pH (su)	EC (µS/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
SW10 (cont'd)	26-Apr-11				
	29-Apr-11				
	3-May-11				
	6-May-11				
	10-May-11				
	13-May-11				
	15-May-11	8.6	301	10.3	12.0
	16-May-11				
	18-May-11				
	19-May-11				
	20-May-11				
	27-May-11				
	3-Jun-11				
	12-Jun-11	8.2	298	12.0	9.2
	17-Jul-11	8.4	498	16.1	10.8
	18-Sep-11	8.6	296	13.4	8.4
	16-Oct-11	7.8	302	11.2	9.4
	20-Nov-11	8.7	290	5.7	11.0
	18-Dec-11	8.4	250	3.8	12.3
	15-Jan-12				
	19-Feb-12	7.9	231	2.5	12.1
	18-Mar-12	7.9	253	11.4	7.5
	15-Apr-12	8.5	316	9.6	9.7
	13-May-12	7.9	356	14.9	7.1
	17-Jun-12	8.4	388	18.3	6.3
	15-Jul-12	8.4	479	21.3	6.3
	12-Aug-12	8.4	464	15.7	6.6
	16-Sep-12	7.7	367	12.6	9.0
	14-Oct-12	8.9	269	10.3	7.0
	18-Nov-12	7.8	329	6.4	8.4
	16-Dec-12	8.0	609	2.2	
	13-Jan-13	8.2	256	2.6	11.0
	17-Feb-13 (2)				
	17-Mar-13 (2)				
	17-Apr-13	7.9	239	5.5	12.2
	14-May-13	8.1	283	7.9	6.9
	19-Jun-13	8.4	340	11.4	10.9
	16-Jul-13	8.2	426	17.7	7.9
	21-Aug-13	8.4	426	16.5	10.4
	16-Oct-13	8.5	360	12.0	6.0
20-Nov-13	8.5	204	4.2	3.0	
15-Dec-13 (2)					
19-Jan-14 (2)					
16-Feb-14 (2)					
16-Mar-14 (2)					
17-Apr-14	8.1	412	5.4	10.7	
13-May-14	7.2	322	9.6	10.6	
18-Jun-14	8.3	362	12.7	10.5	
15-Jul-14	7.8	416	13.1	8.7	
17-Aug-14 (1)					

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
SW10 (cont'd)	23-Oct-14	7.9	390	7.7	6.0
	16-Nov-14 (2)				
	14-Dec-14 (2)				
	18-Jan-15 (2)				
	15-Feb-15 (2)				
	15-Mar-15 (2)				
	23-Apr-15	8.3	303	5.1	13.8
	19-May-15	8.4	315	10.5	13.6
	15-Jun-15	8.0	388	13.1	9.7
	22-Jul-15	8.2	428	14.1	8.1
	11-Aug-15	8.3	446	16.3	8.6
	25-Aug-15			14.0	
	8-Sep-15	8.0	445	20.0	5.6
	16-Oct-15	8.3	142	8.6	7.5
	10-Nov-15	7.0	309	8.4	6.6
	18-Nov-15	7.9	344	8.1	11.3
	9-Dec-15	7.9	331	5.3	12.7
	20-Jan-16	7.8	286	1.4	11.0
	18-Feb-16	7.6	281	0.6	14.4
	15-Mar-16	7.6	269	4.6	13.0
	21-Apr-16	7.8	299	7.8	13.4
	18-May-16	8.5	222	10.3	11.2
	23-Jun-16	8.4	389	13.0	9.5
	5-Jul-16	8.2	322	17.1	11.7
	21-Jul-16	8.3	275	20.4	4.9
	9-Aug-16	8.3	538	22.0	5.1
	24-Aug-16	8.4	404	19.4	5.7
	19-Sep-16	8.3	506	18.3	6.4
	18-Oct-16	8.2	415	16.1	8.9
	24-Oct-16	8.0	331	7.9	9.8
	15-Nov-16	7.9	323	8.4	7.5
	12-Dec-16	7.6	395	0.2	13.3
	25-Jan-17	8.1	278	2.3	12.1
	17-Feb-17	8.3	309	1.2	15.7
	22-Mar-17	8.1	343	(0)	14.4
	19-Apr-17	8.3	216	5.8	14.5
8-May-17	8.0	206	6.8	12.7	
16-May-17	8.3	312	8.6	10.4	
28-Jun-17	8.3	389	11.8	9.4	
7-Jul-17	8.2	386	13.5	8.5	
19-Jul-17	8.2	313	15.8	9.6	
2-Aug-17	8.4	366	16.3	9.1	
16-Aug-17	8.5	440	15.8	7.8	
18-Sep-17	8.1	3	15.0	7.8	
18-Oct-17	8.2	361	12.5	5.5	
15-Nov-17	8.4	337	5.0	10.7	
14-Dec-17	8.4	283	1.4	12.6	
18-Jan-18	8.0	273	1.0	10.1	
23-Feb-18	8.2	238	4.1	11.8	
21-Mar-18	8.3	260	1.4	11.5	

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	DO
		6.5 - 8.5	nc	nc	a
SW10 (cont'd)	18-Apr-18 (2)				
	9-May-18	8.2	424	11.8	10.3
	15-May-18	8.1	433	10.1	10.4
	18-Jun-18	8.2	474	8.2	9.1
	19-Jul-18	8.3	478	16.4	8.8
	24-Aug-18	8.3	479	18.1	8.1
	20-Sep-18	8.2	443	14.1	9.4
	25-Oct-18	8.1	468	7.2	9.0
	22-Nov-18	8.2	731	1.5	11.9
	13-Dec-18	8.3	468	2.4	12.4
	19-Jan-19	7.9	515	0.5	12.9
	28-Feb-19 (2)				
	19-Mar-19	8.3	415	2.6	12.8
	25-Apr-19	8.0	337	6.3	10.6
	16-May-19	8.2	379	7.5	11.1
	27-May-19	8.2	382	9.1	10.4
	21-Jun-19	8.0	423	11.6	9.5
	30-Jul-19	8.3	451	16.9	8.3
	30-Aug-19	8.3	388	15.4	9.0
	27-Sep-19	8.2	397	12.7	9.5
	22-Oct-19	8.1	379	10.2	9.0
	21-Nov-19 (2)				
	20-Dec-19 (2)				
	24-Jan-20 (2)				
	21-Feb-20 (2)				
	25-Mar-20 (2)				
	28-Apr-20				
	20-May-20				
	28-May-20 (3)				
	24-Jun-20	8.4	376	12.6	9.2
	31-Jul-20	8.6	233	18.1	8.3
	26-Aug-20 (1)				
	26-Sep-20 (1)				
	29-Oct-20 (1)				
	27-Nov-20 (2)				
	22-Dec-20 (2)				
	28-Jan-21 (2)				
	23-Feb-21 (2)				
	30-Mar-21	8.1	362	5.9	12.0
	28-Apr-21 (1)				
26-May-21	7.8	450	9.8	10.1	
27-May-21	7.8	450	9.8	10.1	
23-Jun-21 (1)					
10-Jul-21 (1)					
23-Jul-21	8.5	489	16.4	9.4	
11-Aug-21			20.6		
26-Aug-21	8.2	481	21.0	8.1	
27-Sep-21	8.1	480	11.8	10.3	
27-Oct-21 (3)					
22-Nov-21 (2)					

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	DO
		6.5 - 8.5	nc	nc	a
SW10 (cont'd)	22-Dec-21 (2)				
	24-Jan-22 (2)				
	8-Feb-22 (2)				
	16-Mar-22 (2)				
	21-Apr-22	8.2	1,007	0.1	6.5
	24-May-22	8.1	479	12.0	9.7
	24-Jun-22 (1)	7.8	1,006	11.2	11.1
	8-Jul-22 (1)				
	11-Aug-22 (1)				
	26-Aug-22 (1)				
	27-Sep-22			12.8	
	27-Oct-22			7.9	
	17-May-23	8.0	428	7.9	10.7
	27-Jun-23			14.1	
	11-Jul-23			14.8	
	25-Jul-23			14.7	
	14-Aug-23	7.8	392	14.9	13.6
	30-Aug-23	7.8	392	13.8	13.6
	25-Sep-23			15.7	
	31-Oct-23			8.0	
SW11	22-May-03			8.0	
	22-Oct-03				
	13-Feb-04		309	3.8	
	18-Mar-04		410	4.3	
	21-Apr-04	8.0	213	5.4	
	19-May-04	8.0	317	7.8	
	24-Jun-04	8.0	357	8.7	
	29-Jul-04	8.1	404	12.7	
	26-Aug-04	8.2	389	14.2	
	22-Sep-04	8.2	391	14.1	10.1
	21-Oct-04	7.9	323	7.0	11.2
	18-Nov-04	7.9	370	8.0	10.8
	15-Dec-04 (2)				
	16-Jan-05 (2)				
	13-Feb-05 (2)				
	29-Mar-05	7.8	305	6.4	
	11-Apr-05	6.8	207	4.6	
	26-May-05	7.4	311	8.3	
	29-Jun-05	7.9	368	10.3	
	12-Jul-05	7.7	371	11.5	10.8
	28-Sep-05	7.9	443	11.4	8.7
	25-Oct-05	8.0	393	6.2	10.9
	16-Nov-05	7.8	268	6.3	11.2
	13-Dec-05	8.2	299	0.3	13.4
	18-Jan-06	7.2	260	5.1	12.7
	19-Feb-06 (2)				
	24-Mar-06	8.3	250	4.9	
24-May-06	8.1	418	7.7		
21-Jun-06	8.1	426	9.9		
12-Jul-06	8.1	364	11.9		

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
SW11 (cont'd)	24-Aug-06	7.9	428	13.6	
	21-Sep-06	8.3	404	11.8	
	19-Oct-06	7.9	433	9.1	
	23-Nov-06	7.9	425	6.1	
	17-Dec-06	8.0	436	5.1	
	21-Jan-07	8.3	438	2.8	
	18-Feb-07 (2)				
	18-Mar-07 (2)				
	17-Apr-07	8.2	382	4.1	
	13-May-07	8.2	400	6.0	
	17-Jun-07	8.4	428	9.5	
	15-Jul-07	8.1	454	12.7	
	19-Aug-07	8.0	449	13.3	9.4
	17-Sep-07	8.3	426	12.7	8.8
	18-Oct-07	8.0	422	12.8	8.5
	19-Nov-07	7.8	464	3.6	11.4
	11-Dec-07	7.9	440	4.3	11.8
	22-Jan-08	7.8	361	3.9	12.7
	20-Feb-08	8.0	378	3.7	
	17-Mar-08	7.8	400	4.5	
	2-Apr-08	7.8	312	4.3	
	23-Apr-08	7.7	300	6.1	10.9
	22-May-08	7.4	374	5.6	11.2
	17-Jun-08	7.8	434	8.7	11.0
	15-Jul-08	7.3	465	12.6	8.6
	19-Aug-08	7.4	526	11.8	6.3
	16-Sep-08	8.1	477	10.1	8.2
	22-Oct-08	7.9	428	6.9	6.8
	23-Nov-08	8.0	428	5.7	8.7
	14-Dec-08	8.4	336	4.8	8.8
	18-Jan-09	8.1	317	3.9	9.0
	8-Feb-09		344	3.9	8.0
	15-Mar-09	8.3	308	4.2	
	12-Apr-09	8.0	352	4.6	
	17-May-09	8.4	317	8.2	
	14-Jun-09	7.8	809	9.4	
	12-Jul-09	8.6	446	9.7	11.5
	9-Aug-09	8.6	444	12.9	10.0
	13-Sep-09	7.6	413	10.0	
	11-Oct-09	8.2	487	6.7	11.5
15-Nov-09	8.3	341	5.6	12.2	
13-Dec-09	7.7	454	3.3	12.3	
17-Jan-10	8.0	388	4.7	12.6	
7-Feb-10	7.8	431	3.3	12.0	
14-Mar-10	7.4	349	4.9	13.1	
4-Apr-10					
11-Apr-10	8.0	373	6.8		
16-May-10	8.0	254	6.7	12.3	
23-May-10					
13-Jun-10	8.0	276	8.3		

Surface Water Station	PWQO	pH (su)	EC (µS/cm)	T (°C)	DO
		6.5 - 8.5	nc	nc	a
SW11 (cont'd)	18-Jul-10	8.0	324	9.3	15.2
	15-Aug-10	8.2	332	13.1	10.6
	12-Sep-10	8.3	352	10.3	10.6
	17-Oct-10	7.9	317	7.3	11.3
	14-Nov-10	7.9	241	6.3	10.6
	19-Dec-10	8.4	182	4.8	11.4
	16-Jan-11	8.3	251	4.8	12.6
	20-Feb-11	8.1	251	4.6	11.8
	13-Mar-11	8.2	242	4.9	13.5
	17-Mar-11				
	18-Mar-11				
	20-Mar-11				
	1-Apr-11				
	5-Apr-11				
	8-Apr-11				
	12-Apr-11				
	15-Apr-11				
	17-Apr-11	8.1	227	5.4	12.7
	20-Apr-11				
	21-Apr-11				
	26-Apr-11				
	29-Apr-11				
	3-May-11				
	6-May-11				
	10-May-11				
	13-May-11				
	15-May-11	7.8	209	5.6	13.5
	16-May-11				
	18-May-11				
	19-May-11				
	20-May-11				
	27-May-11				
	3-Jun-11				
	12-Jun-11	8.2	152	8.6	11.1
	17-Jul-11	8.3	280	14.2	9.7
	14-Aug-11	8.6	260	15.0	9.9
	18-Sep-11	8.9	279	12.4	10.2
	16-Oct-11	7.7	279	9.2	11.9
	20-Nov-11	7.9	288	5.3	12.0
	18-Mar-12	8.0	194	6.1	9.3
15-Apr-12	8.7	279	9.1	12.4	
13-May-12	8.0	279	9.3	11.5	
17-Jun-12	8.2	333	12.1	13.5	
16-Jul-12	8.2	375	16.0	7.1	
14-Aug-12	7.8	495	10.0	7.4	
18-Sep-12	7.7	335	11.0	9.9	
14-Oct-12	6.7	184	10.3	7.8	
18-Nov-12	7.8	280	6.8	9.2	
16-Dec-12	7.7	568	5.0	10.3	
13-Jan-13	8.1	279	4.9	11.2	

**Table C-3 Surface Water Field Chemical Results**

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	DO
		6.5 - 8.5	nc	nc	a
SW11 (cont'd)	17-Feb-13 (2)				
	19-Mar-13	8.3	203	4.2	9.1
	17-Apr-13	7.9	198	4.8	10.2
	14-May-13	8.0	237	5.7	10.7
	19-Jun-13	8.1	281	8.3	12.7
	16-Jul-13	8.1	338	11.0	11.4
	21-Aug-13	8.4	313	13.4	9.9
	18-Sep-13	8.0	328	10.8	11.3
	16-Oct-13	8.2	312	9.6	5.8
	20-Nov-13	7.5	273	6.2	3.8
	15-Dec-13 (2)				
	19-Jan-14 (2)				
	16-Feb-14 (2)				
	16-Mar-14 (2)				
	17-Apr-14	8.1	215	4.5	11.0
	13-May-14	6.6	256	8.6	12.4
	18-Jun-14	8.0	281	7.8	10.5
	16-Jul-14	7.9	244	9.8	8.6
	19-Aug-14	8.8	388	12.0	10.5
	9-Sep-14	9.0	398	13.0	4.1
	23-Oct-14	8.0	391	8.0	5.0
	16-Nov-14 (2)				
	16-Dec-14	8.5	315	5.0	
	20-Jan-15		293	2.5	0.1
	15-Feb-15 (3)				
	18-Mar-15	8.3	179	2.5	13.4
	22-Apr-15	8.0	259	4.8	13.7
	19-May-15	8.3	253	7.1	
	15-Jun-15	8.2	305	7.2	11.7
	22-Jul-15	7.9	321	9.8	
	11-Aug-15	8.3	352	11.0	11.4
	25-Aug-15	8.3	317	11.7	9.5
	8-Sep-15	8.0	362	13.6	9.0
	15-Oct-15	8.3	311	9.4	9.9
	8-Nov-15				
	18-Nov-15	8.0	367	8.4	11.5
	9-Dec-15	7.7	315	5.2	13.3
	19-Jan-16	7.9	247	3.3	14.5
	17-Feb-16	7.7	276	4.1	14.0
	15-Mar-16	7.8	201	4.5	13.6
21-Apr-16	8.0	227	4.6	14.8	
18-May-16	8.2	294	7.2	13.2	
23-Jun-16	8.4	304	8.7	11.8	
5-Jul-16	8.4	298	12.7	15.7	
21-Jul-16	8.2	365	13.9	10.3	
9-Aug-16	8.5	336	16.3	11.4	
24-Aug-16	8.4	215	16.6	10.0	
19-Sep-16	8.4	366	14.9	9.8	
18-Oct-16	8.3	367	13.8	11.6	
16-Nov-16	7.9	253	6.7	9.6	



Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
SW11 (cont'd)	12-Dec-16	8.7	467	1.9	14.8
	25-Jan-17	8.1	265	5.1	12.0
	17-Feb-17	8.2	290	3.5	14.6
	22-Mar-17	8.3	279	3.3	12.9
	19-Apr-17	7.3	231	4.6	15.6
	8-May-17	8.0	179	5.5	14.7
	16-May-17	7.8	262	8.0	13.2
	28-Jun-17	7.9	300	8.0	12.4
	7-Jul-17	7.4	301	9.3	13.7
	19-Jul-17	8.1	336	9.7	11.9
	2-Aug-17	8.1	323	10.6	10.9
	16-Aug-17	8.2	348	10.6	11.2
	18-Sep-17	8.1	340	10.8	10.7
	18-Oct-17	8.2	361	8.9	11.1
	15-Nov-17	8.3	335	6.2	7.1
	14-Dec-17	8.5	284	3.1	11.1
	18-Jan-18	7.9	264	4.1	8.7
	23-Feb-18	8.1	225	4.3	8.9
	21-Mar-18	8.3	268	3.9	13.0
	19-Apr-18	8.2	243	3.9	10.1
	9-May-18	8.0	360	6.1	12.2
	15-May-18	8.0	358	5.9	11.9
	18-Jun-18	8.2	431	8.2	10.9
	19-Jul-18		245	11.9	10.1
	24-Aug-18	8.4	435	13.8	9.8
	20-Sep-18	8.5	439	13.1	9.7
	25-Oct-18	8.2	430	4.9	11.0
	22-Nov-18	8.3		2.3	12.9
	13-Dec-18	8.3	412	4.9	12.2
	19-Jan-19	8.2	396	3.6	12.8
	28-Feb-19	8.4	341	3.9	12.8
	19-Mar-19	8.2	350	4.6	12.4
	25-Apr-19	8.1	267	4.2	11.9
	16-May-19	8.2	321	5.7	12.5
	27-May-19	8.3	353	7.9	12.0
	21-Jun-19	8.3	384	8.1	11.4
	30-Jul-19	8.3	392	12.8	9.8
	30-Aug-19	8.4	374	13.1	9.8
	27-Sep-19	8.5	358	12.4	9.1
	22-Oct-19	8.3	352	10.1	9.5
21-Nov-19	7.9	378	0.1	9.8	
20-Dec-19 (2)					
24-Jan-20	8.2	366	4.9	12.2	
21-Feb-20 (2)					
25-Mar-20 (1)					
28-Apr-20	8.3	340	8.0	11.3	
20-May-20					
28-May-20	8.8	359	7.0	11.4	
24-Jun-20 (1)					
31-Jul-20	8.6	417	11.4	10.3	

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	DO
		6.5 - 8.5	nc	nc	a
SW11 (cont'd)	26-Aug-20	8.3	391	12.6	10.1
	26-Sep-20	8.2	390	10.5	
	29-Oct-20	8.1	347	9.8	9.0
	27-Nov-20	8.0	416	6.1	11.8
	22-Dec-20	8.1	410	5.2	12.3
	28-Jan-21	8.0	425	2.1	13.0
	23-Feb-21	7.9	403	0.1	12.6
	30-Mar-21	8.2	366	4.0	10.1
	28-Apr-21 (1)				
	26-May-21	8.1	403	7.4	11.7
	23-Jun-21	8.1	385	9.9	10.8
	10-Jul-21	8.0	420	10.3	10.3
	23-Jul-21	8.2	448	11.4	10.6
	11-Aug-21			14.2	
	26-Aug-21	8.0	453	14.8	9.8
	27-Sep-21	7.9	453	8.9	11.4
	27-Oct-21 (3)				
	22-Nov-21	7.8	462	3.7	12.3
	22-Dec-21	8.0	443	2.9	12.1
	24-Jan-22	7.9	406	0.3	10.5
	8-Feb-22	7.9	673	0.0	11.4
	16-Mar-22	7.8	425	1.1	9.1
	21-Apr-22	8.2	452	0.1	12.0
	25-May-22	8.3	399	8.2	11.9
	24-Jun-22			9.3	
	8-Jul-22			13.1	
	11-Aug-22			13.1	
	29-Aug-22			10.1	
	29-Sep-22			9.9	
	27-Oct-22			7.8	
	22-Nov-22			1.0	
	21-Dec-22			0.9	
	17-May-23	8.3	373	6.9	11.6
26-Jun-23			12.3		
11-Jul-23			10.7		
26-Jul-23			9.6		
14-Aug-23			10.8		
29-Aug-23			12.6		
25-Sep-23			12.1		
31-Oct-23			5.9		
SW11A	22-May-03			8.0	
	20-Aug-03 (1)				
	13-Feb-04		325	4.8	
	18-Mar-04		436	4.7	
	21-Apr-04	7.8	223	4.4	
	19-May-04	7.8	308	6.0	
	24-Jun-04	7.6	345	6.9	
	29-Jul-04	7.5	383	9.1	
	15-Dec-04 (2)				
16-Jan-05 (2)					

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	DO
		6.5 - 8.5	nc	nc	a
SW11A (cont'd)	13-Feb-05 (2)				
	29-Mar-05	7.8	308	5.2	
	11-Apr-05	7.0	208	4.3	
	26-May-05	7.4	291	6.0	
	29-Jun-05	8.2	347	7.6	
	12-Jul-05	7.8	352	8.5	
	23-Aug-05	7.4	373	11.0	11.0
	23-Oct-05 (1)				
	16-Nov-05	8.2	306	7.8	11.4
	13-Dec-05	8.3	365	5.6	11.3
	18-Jan-06	7.3	230	5.7	12.5
	19-Feb-06 (2)				
	24-Mar-06	8.2	249	4.5	
	19-Apr-06	8.0	337	5.4	
	24-May-06	7.9	427	6.7	
	21-Jun-06	7.6	430	8.6	
	12-Jul-06	7.6	396	9.7	
	24-Aug-06	7.2	429	12.7	
	21-Sep-06	7.7	419	12.1	
	19-Oct-06	7.5	470	9.1	
	23-Nov-06	7.9	423	6.4	
	17-Dec-06	7.7	406	5.8	
	21-Jan-07	7.9	442	4.8	
	18-Feb-07 (2)				
	18-Mar-07 (2)				
	17-Apr-07	8.2	384	4.2	
	13-May-07	8.0	414	5.5	
	19-Aug-07 (1)				
	16-Sep-07 (1)				
	14-Oct-07 (1)				
	18-Nov-07 (1)				
	11-Dec-07	7.9	459	7.0	11.4
	22-Jan-08	7.8	290	5.2	
	20-Feb-08	8.1	380	4.6	
	17-Mar-08	7.8	409	4.7	
	2-Apr-08	7.7	310	4.2	12.9
	23-Apr-08	7.8	330	4.5	12.7
	22-May-08	8.1	381	5.6	10.5
	17-Jun-08	8.0	444	6.5	8.7
	19-Aug-08	7.7	542	8.0	8.3
16-Sep-08	8.0	492	8.9	8.2	
23-Nov-08	8.2	427	5.8		
14-Dec-08	8.1	337	5.7	8.2	
18-Jan-09	8.3	399	4.2	9.4	
8-Feb-09		348	4.8	8.9	
15-Mar-09	8.1	310	4.1		
12-Apr-09	8.1	355	4.0		
17-May-09	8.1	321	6.4		
14-Jun-09	7.9	796	12.1		
12-Jul-09	8.4	418	8.8		

Surface Water Station	PWQO	pH (su)	EC (µS/cm)	T (°C)	DO
		6.5 - 8.5	nc	nc	a
SW11A (cont'd)	9-Aug-09	7.9	432	16.0	
	11-Oct-09	7.6	512	8.6	
	13-Dec-09	7.7	473	5.1	12.3
	17-Jan-10	8.0	439	4.8	11.7
	7-Feb-10	7.7	433	4.6	12.1
	14-Mar-10	7.6	357	4.9	13.3
	4-Apr-10				
	11-Apr-10	7.9	201	5.2	12.0
	16-May-10	7.8	201	5.8	12.0
	23-May-10				
	13-Jun-10	7.8	319	8.0	15.3
	18-Jul-10	7.8	319	8.0	15.3
	15-Aug-10	7.9	308	9.0	10.3
	17-Oct-10	7.9	343	7.8	11.6
	14-Nov-10	7.8	241	6.8	10.1
	19-Dec-10 (2)				
	16-Jan-11	8.2	182	5.5	11.9
	20-Feb-11	8.2	201	5.2	12.4
	13-Mar-11	8.4	247	5.1	13.6
	17-Mar-11				
	18-Mar-11				
	20-Mar-11				
	1-Apr-11				
	5-Apr-11				
	8-Apr-11				
	12-Apr-11				
	15-Apr-11				
	17-Apr-11	8.0	229	4.5	13.1
	20-Apr-11				
	21-Apr-11				
	26-Apr-11				
	29-Apr-11				
	3-May-11				
	6-May-11				
	10-May-11				
	13-May-11				
	15-May-11	8.1	209	5.5	13.2
	16-May-11				
	18-May-11				
	19-May-11				
	20-May-11				
27-May-11					
3-Jun-11					
12-Jun-11	8.0	248	7.3	12.5	
16-Oct-11	7.6	270	9.8	11.7	
20-Nov-11	7.7	238	7.0	11.1	
18-Dec-11	8.1	226	6.3	13.3	
15-Jan-12 (2)					
19-Feb-12 (2)					
18-Mar-12	7.9	192	5.3	10.1	

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
SW11A (cont'd)	15-Apr-12	8.8	259	5.9	15.9
	13-May-12	8.0	257	6.1	17.2
	15-Jul-12 (1)				
	12-Aug-12	7.8	415	9.1	7.4
	18-Nov-12	7.5	147	6.9	9.2
	16-Dec-12	7.6	589	6.1	10.0
	13-Jan-13	7.9	292	5.6	10.8
	17-Feb-13 (2)				
	19-Mar-13	8.2	199	4.6	9.5
	17-Apr-13	8.0	191	4.5	10.4
	14-May-13	8.0	289	5.5	10.6
	20-Nov-13	7.8	281	6.7	3.7
	15-Dec-13 (2)				
	19-Jan-14 (2)				
	16-Feb-14 (2)				
	16-Mar-14 (2)				
	17-Apr-14	8.1	207	4.7	10.9
	13-May-14	7.1	240	5.7	10.1
	18-Jun-14	8.1	284	6.9	10.6
	16-Nov-14 (2)				
	16-Dec-14	8.4	331	6.0	
	18-Jan-15 (2)				
	15-Feb-15 (3)				
	18-Mar-15	8.1	242	4.8	13.1
	22-Apr-15	7.8	266	4.8	13.9
	19-May-15	8.1	254	5.8	
	15-Jun-15	7.9	308	6.4	11.5
	22-Jul-15	7.8	310	7.5	
	11-Aug-15	8.0	344	8.8	11.7
	25-Aug-15			9.9	
	8-Sep-15	7.8	347	11.9	9.7
	8-Nov-15				
	18-Nov-15	7.8	348	8.5	13.4
	9-Dec-15	7.5	351	7.0	12.3
	19-Jan-16	7.7	268	5.7	13.3
	17-Feb-16	7.7	292	5.4	13.1
	15-Mar-16	7.5	201	4.9	13.3
	21-Apr-16	8.0	230	4.4	14.3
	18-May-16	8.0	283	5.2	13.0
	23-Jun-16	8.0	296	7.0	12.3
5-Jul-16	8.6	299	12.3	13.5	
21-Jul-16	7.8	375	15.0	6.6	
9-Aug-16	8.1	468	22.2	6.3	
24-Aug-16	7.9	354	16.9	3.3	
25-Oct-16 (1)					
12-Dec-16	8.5	447	5.4	11.4	
25-Jan-17	8.0	280	5.7	11.6	
17-Feb-17	8.2	306	5.1	13.0	
22-Mar-17	8.1	290	4.0	12.2	
19-Apr-17	7.2	224	5.0	14.5	

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
SW11A (cont'd)	8-May-17	7.8	166	5.2	15.0
	16-May-17	7.9	247	6.0	12.8
	28-Jun-17	7.8	300	7.0	12.2
	7-Jul-17	7.4	292	7.6	11.9
	19-Jul-17	8.0	326	7.8	12.1
	2-Aug-17	7.7	306	7.8	11.5
	16-Aug-17	7.8	336	8.8	11.4
	18-Sep-17	7.8	347	10.4	10.5
	18-Oct-17	7.9	373	9.1	11.5
	15-Nov-17	8.1	351	7.2	6.6
	14-Dec-17	8.3	318	6.0	7.6
	18-Jan-18	7.8	275	5.1	8.4
	23-Feb-18	8.0	166	5.0	6.9
	21-Mar-18	8.1	276	4.7	13.7
	19-Apr-18	8.0	249	4.5	9.0
	9-May-18	7.8	372	5.0	12.0
	15-May-18	7.7	386	5.3	11.7
	18-Jun-18	7.8	438	7.8	11.7
	19-Jul-18	7.8	298	10.1	10.2
	3-Aug-18 (1)				
	24-Aug-18 (1)				
	20-Sep-18 (1)				
	25-Oct-18 (1)				
	22-Nov-18	8.3		2.7	12.5
	13-Dec-18	8.2	414	5.9	11.7
	19-Jan-19	8.0	397	5.5	12.1
	28-Feb-19 (2)				
	19-Mar-19	8.1	349	5.0	12.1
	25-Apr-19	7.9	304	4.8	11.8
	16-May-19	7.9	326	5.4	12.2
	27-May-19	7.9	361	5.7	11.9
	21-Jun-19	8.0	384	6.7	11.6
	30-Jul-19 (1)				
	30-Aug-19	7.8	386	10.4	10.5
	27-Sep-19	7.7	388	11.9	11.2
	22-Oct-19	8.0	391	9.4	10.2
	21-Nov-19 (2)				
	20-Dec-19 (2)				
	24-Jan-20 (2)				
	21-Feb-20 (2)				
	25-Mar-20 (1)				
	28-Apr-20				
20-May-20	8.1	390	5.3	12.1	
28-May-20	8.6	370	5.8	11.7	
24-Jun-20 (1)					
31-Jul-20	8.1	416	8.1	11.5	
26-Aug-20 (1)					
26-Sep-20 (1)					
29-Oct-20 (1)					
27-Nov-20	7.9	303	6.5	11.8	

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	DO
		6.5 - 8.5	nc	nc	a
SW11A (cont'd)	22-Dec-20 (2)				
	28-Jan-21 (2)				
	23-Feb-21 (2)				
	30-Mar-21	8.5	354	3.9	10.5
	28-Apr-21 (1)				
	26-May-21	7.9	406	6.2	12.0
	23-Jun-21	7.7	433	7.9	6.3
	10-Jul-21	7.8	448	8.5	11.3
	23-Jul-21	7.6	464	9.0	11.1
	11-Aug-21			8.9	
	26-Aug-21	7.5	241	10.6	10.6
	27-Sep-21	7.5	463	8.3	11.3
	27-Oct-21 (3)				
	22-Nov-21 (2)				
	22-Dec-21 (2)				
	24-Jan-22 (2)				
	8-Feb-22 (2)				
	16-Mar-22 (2)				
	21-Apr-22	7.3	564	0.0	11.1
	25-May-22	7.8	438	6.7	12.1
	24-Jun-22			8.5	
	8-Jul-22			12.6	
	11-Aug-22			12.6	
	29-Aug-22			9.1	
	29-Sep-22			10.8	
	27-Oct-22 (1)			8.2	
	22-Nov-22 (1)				
	21-Dec-22 (1)				
	17-May-23	7.8	386	6.2	11.5
	26-Jun-23			9.6	
11-Jul-23			8.3		
26-Jul-23			8.1		
14-Aug-23			8.6		
29-Aug-23			11.2		
25-Sep-23			12.8		
31-Oct-23			7.8		
SW11B	22-May-03			8.0	
	13-Feb-04		325	4.9	12.3
	18-Mar-04		431	4.4	8.9
	21-Apr-04	7.8	221	4.2	
	19-May-04	7.7	305	5.8	
	24-Jun-04	7.5	347	6.9	
	29-Jul-04	7.4	367	7.6	
	26-Aug-04	7.6	332	7.8	
	18-Nov-04	7.6	370	6.4	
	15-Dec-04 (2)				
	16-Jan-05 (2)				
	13-Feb-05 (2)				
	29-Mar-05	7.7	301	4.8	
11-Apr-05	7.0	208	3.9		

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
SW11B (cont'd)	26-May-05	7.2	302	6.1	
	29-Jun-05	7.9	162	7.3	
	12-Jul-05	7.8	253	7.5	
	23-Aug-05	7.5	331	8.5	
	25-Oct-05	8.1	439	8.1	
	16-Nov-05	7.9	328	7.1	12.0
	13-Dec-05	8.3	378	5.7	11.5
	18-Jan-06	7.7	260	5.4	12.4
	19-Feb-06 (2)				
	24-Mar-06	8.2	247	4.4	
	19-Apr-06	8.0	336	5.3	
	24-May-06	7.8	422	6.9	
	21-Jun-06	7.5	450	8.1	
	12-Jul-06	7.6	400	8.9	
	24-Aug-06	7.3	430	10.9	
	21-Sep-06	7.7	451	10.7	
	25-Sep-06	7.6	341	9.1	10.8
	19-Oct-06	7.6	488	7.8	
	23-Nov-06	7.8	254	6.3	11.8
	17-Dec-06	7.7	440	5.7	
	21-Jan-07	8.0	438	5.1	
	18-Feb-07 (2)				
	18-Mar-07 (2)				
	17-Apr-07	8.1	384	4.1	13.1
	13-May-07	7.9	336	5.5	12.6
	19-Aug-07 (1)				
	16-Sep-07 (1)				
	14-Oct-07 (1)				
	18-Nov-07 (1)				
	11-Dec-07	8.0	335	6.2	11.3
	22-Jan-08	7.8	365	5.1	12.5
	20-Feb-08	8.2		4.7	
	17-Mar-08	7.8	408	4.6	
	2-Apr-08	7.7	309	4.5	
	23-Apr-08	7.9	331	4.9	11.8
	22-May-08	7.8	382	5.8	
17-Jun-08	7.8	442	7.5	11.8	
15-Jul-08	7.5	479	9.1	9.0	
19-Aug-08	7.3	544	9.2	7.0	
16-Sep-08	7.8	490	7.5	9.2	
22-Oct-08	7.8	439	7.0	7.3	
23-Nov-08		427	6.3	8.2	
14-Dec-08	8.1	338	5.7	8.3	
18-Jan-09	8.3	410	2.6	8.6	
8-Feb-09		351	4.8	8.0	
15-Mar-09	8.4	304	4.1		
12-Apr-09	7.6	346	3.9		
17-May-09	8.2	324	6.4		
14-Jun-09	8.4	846	6.3		
12-Jul-09	8.4	402	7.9		



Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	DO
		6.5 - 8.5	nc	nc	a
SW11B (cont'd)	9-Aug-09	8.9	454	9.5	
	11-Oct-09	8.0	512	7.5	
	15-Nov-09	7.7	431	6.3	
	13-Dec-09	7.8	462	5.3	12.1
	17-Jan-10	8.0	435	5.0	12.0
	7-Feb-10	7.5	428	5.0	11.9
	14-Mar-10	7.5	355	4.9	13.3
	4-Apr-10				
	11-Apr-10	7.8	386	5.4	
	16-May-10	7.8	246	5.8	12.1
	23-May-10				
	13-Jun-10	7.9	231	7.7	15.5
	18-Jul-10	7.7	322	8.1	15.4
	15-Aug-10		330	9.6	11.6
	17-Oct-10	7.9	337	7.5	11.2
	14-Nov-10	7.8	226	7.0	10.5
	19-Dec-10 (2)				
	16-Jan-11				
	20-Feb-11	8.1	260	5.3	11.3
	13-Mar-11	8.2	199	4.9	13.2
	17-Mar-11				
	18-Mar-11				
	20-Mar-11				
	1-Apr-11				
	5-Apr-11				
	8-Apr-11				
	12-Apr-11				
	15-Apr-11				
	17-Apr-11	8.0	221	4.7	12.9
	20-Apr-11				
	21-Apr-11				
	26-Apr-11				
	29-Apr-11				
	3-May-11				
	6-May-11				
	10-May-11				
	13-May-11				
	15-May-11	7.9	210	5.5	13.1
	16-May-11				
	18-May-11				
19-May-11					
20-May-11					
27-May-11					
3-Jun-11					
12-Jun-11	7.9	250	7.4	11.4	
16-Oct-11	7.5	315	8.3	12.3	
20-Nov-11	8.0	302	6.4	11.1	
18-Dec-11	8.7	226	6.1	13.2	
15-Jan-12 (2)					
19-Feb-12 (2)					

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
SW11B (cont'd)	18-Mar-12	7.9	198	5.5	8.4
	15-Apr-12	8.6	265	6.6	15.2
	13-May-12	7.7	262	6.4	13.1
	17-Jun-12	8.0	300	8.0	12.9
	12-Aug-12	7.6	491	8.6	7.3
	18-Nov-12	7.5	228	6.8	9.1
	16-Dec-12	7.6	533	6.1	9.7
	13-Jan-13	7.9	292	5.7	11.3
	17-Feb-13 (2)				
	19-Mar-13	8.2	190	3.7	9.9
	17-Apr-13	7.8	196	4.5	10.1
	14-May-13	7.8	238	5.6	10.1
	16-Oct-13	8.1	304	8.3	6.1
	20-Nov-13	7.9	283	6.9	3.8
	15-Dec-13 (2)				
	19-Jan-14 (2)				
	16-Feb-14 (2)				
	16-Mar-14 (2)				
	17-Apr-14	8.0	216	4.8	10.2
	13-May-14	7.5	244	6.0	10.7
	18-Jun-14	7.9	288	6.8	10.2
	23-Oct-14	7.9	395	7.5	4.2
	16-Nov-14 (2)				
	16-Dec-14	8.5	327	5.8	
	18-Jan-15 (2)				
	15-Feb-15 (3)				
	18-Mar-15	8.3	243	4.9	12.2
	22-Apr-15	7.8	267	5.0	13.8
	19-May-15	8.1	257	6.0	
	15-Jun-15	7.8	308	6.4	11.2
	22-Jul-15	7.7	309	7.3	
	11-Aug-15	7.8	337	8.3	11.8
	25-Aug-15			8.7	
	8-Sep-15	7.6	312	10.0	9.8
	8-Nov-15				
	18-Nov-15	7.8	362	7.4	13.3
	9-Dec-15	7.6	324	6.1	13.1
	19-Jan-16	7.9	269	5.6	13.7
	17-Feb-16	7.8	292	5.4	13.2
	15-Mar-16	7.6	202	4.7	13.6
21-Apr-16	7.9	225	4.5	14.0	
18-May-16	8.0	281	5.4	13.1	
23-Jun-16	7.9	298	7.0	12.2	
5-Jul-16	8.3	294	10.0	14.5	
21-Jul-16	7.7	375	9.5	11.7	
9-Aug-16	8.1	371	14.4	11.6	
24-Aug-16	7.9	340	11.6	11.2	
18-Oct-16	8.1	347	10.9	13.6	
24-Oct-16	7.6	328	9.3	11.0	
16-Nov-16	7.8	331	7.8	9.2	

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
SW11B (cont'd)	12-Dec-16	8.4	466	4.2	12.4
	17-Feb-17	8.1	300	4.6	13.9
	22-Mar-17	8.4	289	4.6	12.6
	19-Apr-17	7.1	142	5.1	14.3
	8-May-17	7.7	164	5.1	15.0
	16-May-17	7.9	221	6.1	12.8
	28-Jun-17	7.7	300	7.4	12.0
	7-Jul-17	7.7	281	7.7	12.5
	19-Jul-17	7.9	325	7.3	12.2
	2-Aug-17	7.7	252	8.3	11.5
	15-Aug-17	7.6	266	8.5	11.5
	18-Sep-17	7.7	315	8.6	11.4
	18-Oct-17	7.9	264	8.1	11.6
	15-Nov-17	8.1	346	6.7	7.0
	14-Dec-17	8.4	314	5.8	7.6
	18-Jan-18	7.9	272	4.8	8.6
	23-Feb-18	8.0	219	4.7	6.8
	21-Mar-18	8.2	275	4.5	12.1
	19-Apr-18	8.0	238	4.3	9.1
	9-May-18	7.8	372	5.1	11.9
	15-May-18	7.8	387	5.6	11.7
	18-Jun-18	7.7	440	7.7	11.2
	19-Jul-18	7.7	432	9.5	10.5
	24-Aug-18	7.8	438	11.3	9.6
	20-Sep-18	7.8	438	11.6	9.5
	25-Oct-18	8.2	421	8.0	10.2
	22-Nov-18	8.4		4.7	11.8
	13-Dec-18	8.3	414	5.9	11.8
	19-Jan-19	8.1	397	5.2	12.1
	28-Feb-19	8.2	392	5.2	12.3
	19-Mar-19	8.1	348	4.9	12.1
	25-Apr-19	7.9	302	4.8	11.7
	16-May-19	7.9	322	5.7	12.3
	27-May-19	7.9	354	6.1	11.8
	21-Jun-19	7.8	391	6.7	11.5
	30-Jul-19	7.9	397	9.7	10.2
	30-Aug-19 (1)				
	27-Sep-19 (1)				
	22-Oct-19 (1)				
	21-Nov-19 (2)				
20-Dec-19 (2)					
24-Jan-20 (2)					
21-Feb-20 (2)					
25-Mar-20 (1)					
28-Apr-20					
20-May-20	8.0	390	5.6	11.9	
28-May-20	8.5	341	6.8	11.4	
24-Jun-20 (1)					
31-Jul-20	8.1	271	8.1	11.1	
26-Aug-20 (1)					

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
SW11B (cont'd)	26-Sep-20 (1)				
	29-Oct-20 (1)				
	27-Nov-20	7.9	418	6.4	12.0
	22-Dec-20 (2)				
	28-Jan-21 (2)				
	23-Feb-21 (2)				
	30-Mar-21	8.1	345	3.5	10.4
	28-Apr-21 (1)				
	26-May-21	7.9	408	6.6	12.1
	23-Jun-21	7.6	405	7.8	11.3
	10-Jul-21	7.8	277	8.9	11.1
	23-Jul-21	7.6	456	9.2	5.3
	11-Aug-21			9.5	
	26-Aug-21	7.1	469	10.7	5.5
	27-Sep-21	7.5	461	8.7	10.7
	27-Oct-21 (3)				
	22-Nov-21 (2)				
	22-Dec-21 (2)				
	24-Jan-22 (2)				
	8-Feb-22 (2)				
	16-Mar-22 (2)				
	21-Apr-22	7.8	523	0.1	11.5
	25-May-22	7.6	436	6.6	11.8
	24-Jun-22			9.4	
	8-Jul-22			11.2	
	11-Aug-22			13.0	
	29-Aug-22			9.3	
	29-Sep-22			10.4	
	27-Oct-22			8.4	
	22-Nov-22			6.8	
	21-Dec-22			3.0	
	17-May-23	8.0	387	6.2	11.7
	26-Jun-23			8.2	
	11-Jul-23			8.1	
26-Jul-23			10.2		
14-Aug-23			8.7		
29-Aug-23			9.6		
25-Sep-23			9.9		
31-Oct-23			8.3		
SW11C	22-May-03			8.0	
	22-Jul-03 (1)				
	20-Aug-03 (1)				
	25-Sep-03 (1)				
	18-Mar-04		431	4.4	9.0
	21-Apr-04	7.8	221	4.3	
	19-May-04	7.6	307	5.9	
	24-Jun-04	7.8	354	8.0	
	23-Aug-04 (1)				
	21-Sep-04 (1)				
21-Oct-04 (1)					

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
SW11C (cont'd)	17-Nov-04 (1)				
	15-Dec-04 (2)				
	16-Jan-05 (2)				
	13-Feb-05 (2)				
	29-Mar-05	7.6	301	4.7	12.9
	11-Apr-05	7.1	203	4.1	
	26-May-05	7.2	300	6.1	
	26-Jun-05 (1)				
	10-Jul-05 (1)				
	21-Aug-05 (1)				
	25-Sep-05 (1)				
	23-Oct-05 (1)				
	11-Dec-05 (1)				
	18-Jan-06	7.3	267	5.5	12.3
	19-Feb-06 (2)				
	24-Mar-06	8.1	245	4.4	
	19-Apr-06	8.0	330	5.4	
	24-May-06	7.9	421	6.4	
	18-Jun-06 (1)				
	12-Jul-06	7.4	448	15.4	
	20-Aug-06 (1)				
	17-Sep-06 (1)				
	19-Oct-06	7.5	428	9.7	
	23-Nov-06	7.7	431	6.3	11.8
	17-Dec-06	7.6	440	5.6	
	21-Jan-07	8.0	443	5.1	12.4
	18-Feb-07 (2)				
	18-Mar-07 (2)				
	17-Apr-07	8.0	384	4.1	12.8
	13-May-07	8.0	403	5.5	12.7
	14-Oct-07 (1)				
	19-Nov-07	7.8	487	6.5	10.8
	11-Dec-07	7.8	461	5.7	11.7
	22-Jan-08	7.7	359	4.9	12.4
	20-Feb-08	8.0	381	4.3	
	17-Mar-08		404	4.4	
	2-Apr-08	7.7	311	3.7	13.1
	23-Apr-08	7.7	325	6.5	10.4
	22-May-08	7.6	381	5.7	11.1
	17-Jun-08	7.8	440	10.6	8.9
15-Jul-08	7.2	462	7.5	10.1	
19-Aug-08	7.5	535	7.5	7.8	
16-Sep-08	7.8	486	8.5	9.2	
22-Oct-08	7.9	439	7.1	7.3	
23-Nov-08		357	6.1	8.2	
14-Dec-08	8.1	337	5.4	8.9	
18-Jan-09	8.3	240	4.3	9.9	
8-Feb-09		341	4.1	8.2	
15-Mar-09	8.3	205	3.7		
12-Apr-09	8.0	356	4.3		

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	DO
		6.5 - 8.5	nc	nc	a
SW11C (cont'd)	17-May-09	8.1	308	5.7	12.5
	14-Jun-09	8.1	828	6.8	
	12-Jul-09	8.8	448	8.7	
	9-Aug-09	8.6	458	12.7	
	13-Sep-09	7.1	426	8.0	
	11-Oct-09	8.1	363	6.5	12.3
	15-Nov-09	8.1	424	6.1	
	13-Dec-09	7.6	430	3.9	11.7
	17-Jan-10	8.0	447	5.2	12.1
	7-Feb-10	7.8	436	4.8	12.1
	14-Mar-10	7.5	355	4.2	13.6
	4-Apr-10				
	11-Apr-10	7.8	377	5.6	
	16-May-10	7.9	247	5.6	12.2
	23-May-10				
	13-Jun-10	7.8	274	7.2	15.4
	18-Jul-10	7.7	321	8.6	15.2
	15-Aug-10	7.8	300	10.4	11.0
	12-Sep-10	8.1	314	8.8	11.4
	17-Oct-10	7.8	335	7.5	11.5
	14-Nov-10	7.7	256	6.7	10.5
	19-Dec-10 (2)				
	16-Jan-11				
	20-Feb-11	8.1	195	4.7	12.7
	13-Mar-11	8.1	243	4.6	13.4
	17-Mar-11				
	18-Mar-11				
	20-Mar-11				
	1-Apr-11				
	5-Apr-11				
	8-Apr-11				
	12-Apr-11				
	15-Apr-11				
	17-Apr-11	7.9	220	4.4	13.1
	20-Apr-11				
	21-Apr-11				
	26-Apr-11				
	29-Apr-11				
	3-May-11				
	6-May-11				
10-May-11					
13-May-11					
15-May-11	7.9	212	5.5	13.3	
16-May-11					
18-May-11					
19-May-11					
20-May-11					
27-May-11					
3-Jun-11					
12-Jun-11	7.8	227	8.2	11.3	

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
SW11C (cont'd)	16-Oct-11	7.5	320	8.9	11.6
	20-Nov-11	8.1	288	6.3	11.3
	18-Dec-11	8.7	222	5.9	13.4
	15-Jan-12 (2)				
	19-Feb-12 (2)				
	18-Mar-12	7.9	194	4.9	7.1
	15-Apr-12	8.6	251	5.4	15.8
	13-May-12	7.7	213	6.3	13.1
	17-Jun-12	7.8	220	7.9	12.7
	16-Jul-12	7.9	318	8.8	7.5
	14-Aug-12	7.6	420	9.1	7.3
	16-Sep-12	7.5	321	8.9	10.5
	18-Nov-12	7.5	280	6.7	9.1
	16-Dec-12	7.5	586	5.9	9.9
	13-Jan-13	7.9	285	5.2	11.2
	17-Feb-13 (2)				
	19-Mar-13	8.1	206	4.3	10.0
	17-Apr-13	7.8	196	4.1	10.1
	14-May-13	8.0	236	5.5	10.0
	16-Oct-13	7.8	307	8.6	5.8
	20-Nov-13	7.4	280	6.4	3.7
	15-Dec-13 (2)				
	19-Jan-14 (2)				
	16-Feb-14 (2)				
	16-Mar-14 (2)				
	17-Apr-14	7.8	423	4.4	10.3
	13-May-14	7.5	235	6.3	10.8
	18-Jun-14	8.1	277	7.9	10.0
	23-Oct-14	7.9	357	7.7	4.3
	16-Nov-14 (2)				
	16-Dec-14	8.4	324	5.5	
	18-Jan-15 (2)				
	15-Feb-15 (3)				
	18-Mar-15	8.2	231	3.9	12.1
	22-Apr-15	7.8	260	4.3	13.7
	19-May-15	7.9	256	6.1	
	15-Jun-15	7.7	312	7.0	11.1
	22-Jul-15	7.5	245	7.9	
	11-Aug-15	7.7	341	8.6	11.5
	25-Aug-15	8.2	304	8.6	10.0
8-Sep-15	7.6	329	8.1	11.0	
15-Oct-15	7.8	295	8.3	11.1	
8-Nov-15					
18-Nov-15	7.7	363	6.8	12.5	
9-Dec-15	7.5	339	5.9	13.1	
19-Jan-16	7.9	264	5.1	13.6	
17-Feb-16	7.8	282	4.4	12.8	
15-Mar-16	7.6	204	4.3	13.4	
21-Apr-16	8.0	227	4.2	14.5	
18-May-16	8.0	283	5.3	10.0	

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
SW11C (cont'd)	23-Jun-16	7.8	294	7.1	12.3
	5-Jul-16	7.8	307	7.7	18.0
	21-Jul-16	7.6	321	8.7	11.4
	9-Aug-16	7.8	471	8.7	14.3
	24-Aug-16	7.7	308	9.3	11.8
	19-Sep-16	7.6	329	9.1	11.5
	18-Oct-16	7.7	297	8.8	14.7
	24-Oct-16	7.8	336	8.5	11.0
	16-Nov-16	7.7	319	7.3	11.0
	12-Dec-16	8.2	471	5.6	13.3
	25-Jan-17	7.9	218	5.2	11.7
	17-Feb-17	8.1	304	4.7	13.5
	22-Mar-17	8.0	287	4.3	12.7
	19-Apr-17	7.0	237	4.9	14.3
	8-May-17	7.8	175	4.9	14.8
	16-May-17	7.9	248	5.8	12.7
	28-Jun-17	7.8	298	7.4	11.9
	7-Jul-17	7.5	294	8.8	13.1
	19-Jul-17	7.9	231	8.3	11.3
	2-Aug-17	7.7	314	8.5	11.3
	16-Aug-17	7.5	341	8.8	10.5
	18-Sep-17	7.6	344	8.5	11.5
	18-Oct-17	7.7	367	8.5	11.0
	15-Nov-17	8.1	341	6.7	7.0
	14-Dec-17	8.2	310	5.3	8.1
	18-Jan-18	7.8	269	4.6	9.0
	23-Feb-18	8.0	207	4.0	7.1
	21-Mar-18	8.1	238	4.0	12.4
	19-Apr-18	7.9	245	3.9	9.6
	9-May-18	7.8	371	5.0	12.0
	15-May-18	7.7	386	5.5	11.7
	18-Jun-18	7.6	444	7.6	11.1
	19-Jul-18	7.6	438	8.5	11.0
	24-Aug-18	7.6	451	9.6	10.7
	20-Sep-18	7.6	451	9.6	10.5
	25-Oct-18	8.1	454	7.7	11.3
22-Nov-18	8.2		6.2	12.4	
13-Dec-18	8.2	418	5.8	11.9	
19-Jan-19	8.0	391	5.1	12.3	
28-Feb-19	8.2	385	4.7	12.4	
19-Mar-19	8.0	350	4.3	12.3	
25-Apr-19	7.9	216	4.5	11.8	
16-May-19	7.3	325	5.2	12.2	
27-May-19	7.8	360	5.9	11.8	
21-Jun-19	7.8	393	7.0	11.4	
30-Jul-19	8.0	404	8.5	10.7	
30-Aug-19 (1)					
27-Sep-19 (1)					
22-Oct-19 (1)					
21-Nov-19 (2)					



Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
SW11C (cont'd)	20-Dec-19 (2)				
	24-Jan-20 (2)				
	21-Feb-20 (2)				
	25-Mar-20 (1)				
	28-Apr-20				
	20-May-20	8.0	390	5.2	12.3
	28-May-20	8.4	371	6.2	11.4
	24-Jun-20 (1)				
	31-Jul-20	7.8	428	8.9	10.6
	26-Aug-20	7.3	380	8.9	10.4
	26-Sep-20	8.1	400	9.1	
	29-Oct-20	8.2	354	8.5	7.5
	27-Nov-20	7.8	430	6.5	11.8
	22-Dec-20 (2)				
	28-Jan-21 (2)				
	23-Feb-21 (2)				
	30-Mar-21	8.1	387	3.7	10.6
	28-Apr-21 (1)				
	26-May-21	7.8	413	6.6	11.9
	23-Jun-21	7.7	225	7.9	11.3
	10-Jul-21	7.7	266	8.5	11.2
	23-Jul-21	7.7	464	8.8	11.1
	11-Aug-21			8.9	
	26-Aug-21	7.1	458	9.7	11.0
	27-Sep-21	7.5	462	8.8	11.0
	27-Oct-21 (3)				
	22-Nov-21 (2)				
	22-Dec-21 (2)				
	24-Jan-22 (2)				
	8-Feb-22 (2)				
	16-Mar-22 (2)				
	21-Apr-22	8.0	256	0.0	11.3
	25-May-22	7.7	438	6.5	11.9
	24-Jun-22			6.4	
	8-Jul-22			11.4	
	11-Aug-22			12.3	
	29-Aug-22			9.3	
	29-Sep-22			9.3	
	27-Oct-22			7.8	
	22-Nov-22			5.7	
21-Dec-22			5.2		
17-May-23	7.9	382	6.2	11.6	
26-Jun-23			7.9		
11-Jul-23			8.9		
26-Jul-23			9.0		
14-Aug-23			8.9		
29-Aug-23			9.3		
25-Sep-23			9.1		
31-Oct-23			8.1		
SW11D	22-May-03			8.0	

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	DO
		6.5 - 8.5	nc	nc	a
SW11D (cont'd)	13-Feb-04		311	3.9	11.9
	18-Mar-04		421	3.7	9.5
	21-Apr-04	7.9	212	4.1	
	19-May-04	8.2	240	3.1	
	24-Jun-04	7.8	326	6.3	
	29-Jul-04	8.0	327	9.7	
	22-Sep-04	7.9	354	12.0	9.4
	20-Oct-04	7.9	302	7.2	10.8
	18-Nov-04	7.9	302	6.2	11.2
	15-Dec-04 (2)				
	16-Jan-05 (2)				
	13-Feb-05 (2)				
	29-Mar-05	7.7	294	4.2	
	11-Apr-05	7.2	211	3.1	
	26-May-05	7.2	271	4.5	
	29-Jun-05	7.9	309	8.6	
	12-Jul-05	7.5	319	9.9	9.4
	23-Aug-05	7.7	341	11.6	9.1
	25-Sep-05	7.6	342	11.4	7.6
	25-Oct-05	8.0	393	7.3	10.9
	16-Nov-05	7.8	297	7.0	11.0
	13-Dec-05	7.5	264	1.1	11.6
	18-Jan-06	7.0	266	5.5	12.6
	19-Feb-06 (2)				
	24-Mar-06	8.1	245	4.3	
	19-Apr-06	8.1	329	5.0	
	24-May-06	7.9	415	6.0	
	21-Jun-06	8.0	379	8.3	
	12-Jul-06	8.2	362	10.8	
	24-Aug-06	7.8	412	12.8	
	21-Sep-06	7.9	396	11.6	
	19-Oct-06	8.1	393	8.8	
	23-Nov-06	7.8	425	6.2	11.8
	17-Dec-06	7.8	440	5.6	
	21-Jan-07	8.1	434	4.6	12.9
	18-Feb-07 (2)				
	18-Mar-07 (2)				
	17-Apr-07	8.1	385	4.0	
	13-May-07	8.1	379	3.6	
	17-Jun-07	8.5	325	7.4	11.9
19-Aug-07	8.0	423	12.1	9.1	
14-Oct-07 (1)					
19-Nov-07	7.9	457	4.2	10.8	
11-Dec-07	7.9	378	3.1	11.9	
22-Jan-08	7.7	367	4.5	12.5	
20-Feb-08	8.0	383	3.7		
17-Mar-08	7.7	402	4.2		
2-Apr-08	7.7	315	4.1		
23-Apr-08	7.8	326	4.7	10.9	
22-May-08	7.5	381	5.7	10.2	

Surface Water Station	PWQO	pH (su)	EC (µS/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
SW11D (cont'd)	13-Jul-08 (1)				
	17-Aug-08 (1)				
	23-Nov-08	8.1	411	3.5	7.7
	14-Dec-08	8.1	337	5.4	
	18-Jan-09 (2)				
	8-Feb-09		324	3.6	8.2
	15-Mar-09	8.0	310	3.8	
	12-Apr-09	7.7	350	3.4	
	17-May-09	8.2	320	7.2	
	14-Jun-09 (1)				
	12-Jul-09 (1)				
	9-Aug-09 (1)				
	13-Sep-09 (1)				
	11-Oct-09 (1)				
	15-Nov-09 (1)				
	13-Dec-09 (2)				
	17-Jan-10 (2)				
	7-Feb-10 (2)				
	14-Mar-10	7.5	346	2.3	13.4
	4-Apr-10				
	11-Apr-10	7.8	385	5.1	
	16-May-10	7.8	252	5.9	11.7
	23-May-10				
	13-Jun-10	7.9	270	6.9	13.2
	18-Jul-10	7.7	321	8.4	15.2
	15-Aug-10 (1)				
	12-Sep-10 (1)				
	17-Oct-10	8.7	352	7.3	8.0
	14-Nov-10	7.8	258	6.7	9.8
	19-Dec-10 (2)				
	16-Jan-11				
	20-Feb-11				
	13-Mar-11	8.0	240	4.3	12.9
	17-Mar-11				
	18-Mar-11				
	20-Mar-11				
	1-Apr-11				
	5-Apr-11				
	8-Apr-11				
	12-Apr-11				
15-Apr-11					
17-Apr-11	7.9	221	4.3	12.7	
20-Apr-11					
21-Apr-11					
26-Apr-11					
29-Apr-11					
3-May-11					
6-May-11					
10-May-11					
13-May-11					

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	D O	
		6.5 - 8.5	nc	nc	a	
SW11D (cont'd)	15-May-11	7.8	126	5.5	13.5	
	16-May-11					
	18-May-11					
	19-May-11					
	20-May-11					
	27-May-11					
	3-Jun-11					
	12-Jun-11		8.0	239	7.0	11.9
	14-Aug-11 (1)					
	18-Sep-11 (1)					
	16-Oct-11		7.4	341	10.0	10.8
	20-Nov-11		8.0	293	6.0	11.9
	18-Dec-11		8.6	229	6.1	13.0
	15-Jan-12 (2)					
	19-Feb-12 (2)					
	18-Mar-12		7.8	192	5.2	9.8
	15-Apr-12		8.6	222	5.6	15.9
	13-May-12		7.8	256	6.2	11.8
	17-Jun-12 (1)					
	15-Jul-12 (1)					
	14-Aug-12		7.5	498	9.0	7.7
	16-Sep-12 (1)					
	14-Oct-12 (1)					
	18-Nov-12		7.5	283	6.7	9.1
	16-Dec-12		7.5	589	6.0	9.8
	13-Jan-13		7.8	283	5.2	10.9
	17-Feb-13 (2)					
	19-Mar-13		8.1	208	4.6	9.8
	17-Apr-13		7.8	194	4.2	9.9
	16-Oct-13		7.8	300	7.8	6.0
	20-Nov-13		7.4	280	6.7	3.7
	15-Dec-13 (2)					
	19-Jan-14 (2)					
	16-Feb-14 (2)					
	16-Mar-14 (2)					
	17-Apr-14		7.7	423	4.4	10.2
13-May-14		7.5	245	5.7	10.0	
18-Jun-14		7.9	273	7.8	10.7	
23-Oct-14		7.9	393	7.6	4.3	
16-Nov-14 (2)						
16-Dec-14		8.4	326	5.6		
18-Jan-15 (2)						
15-Feb-15 (3)						
15-Mar-15 (2)						
22-Apr-15		7.7	243	4.6	13.3	
19-May-15		8.1	249	5.8		
15-Jun-15		7.5	310	6.6	11.1	
22-Jul-15		7.9	271	7.7		
11-Aug-15		8.0	309	9.4	11.1	
25-Aug-15				11.7		

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
SW11D (cont'd)	8-Sep-15	7.8	306	12.0	9.3
	15-Oct-15	8.1	283	8.5	10.7
	8-Nov-15				
	18-Nov-15	7.8	327	7.3	12.5
	9-Dec-15	7.7	297	4.8	13.1
	19-Jan-16	7.9	248	4.5	13.8
	17-Feb-16	7.8	277	4.3	13.4
	15-Mar-16	7.7	203	4.4	13.4
	21-Apr-16	8.0	224	4.1	14.1
	18-May-16	8.1	272	4.6	13.1
	23-Jun-16	8.3	266	6.9	11.6
	5-Jul-16	8.1	281	8.8	16.9
	21-Jul-16	7.7	321	10.5	10.2
	9-Aug-16	8.4	351	12.1	12.9
	24-Aug-16	8.1	194	12.6	9.2
	19-Sep-16	8.1	331	12.2	11.5
	18-Oct-16	8.0	302	11.5	12.6
	24-Oct-16	8.0	222	8.0	11.3
	15-Nov-16	8.0	292	6.8	10.6
	12-Dec-16	8.3	448	0.8	13.4
	25-Jan-17	7.9	276	5.3	11.6
	17-Feb-17	8.1	296	4.1	13.5
	22-Mar-17	8.0	265	4.2	12.7
	19-Apr-17	7.1	232	4.4	14.6
	8-May-17	7.9	153	4.6	14.9
	16-May-17	8.0	243	6.0	12.8
	28-Jun-17	7.9	289	6.9	12.3
	7-Jul-17	7.4	294	7.8	12.1
	19-Jul-17	8.2	314	8.3	11.7
	2-Aug-17	8.0	292	9.8	10.6
	16-Aug-17	7.8	328	10.3	10.2
	18-Sep-17	7.8	325	11.0	9.1
	18-Oct-17	8.0	334	9.1	10.8
	15-Nov-17	8.1	332	6.4	7.2
	14-Dec-17	8.3	289	4.6	8.5
	18-Jan-18	7.7	271	4.9	9.0
23-Feb-18	8.1	210	4.2	10.2	
21-Mar-18	8.1	268	3.7	11.3	
19-Apr-18	8.0	243	4.0	10.1	
9-May-18	7.9	363	4.9	12.1	
15-May-18	7.9	373	4.8	11.9	
18-Jun-18	8.1	410	8.1	10.8	
19-Jul-18	7.6	384	10.1	4.0	
24-Aug-18	8.1	406	11.6	9.5	
20-Sep-18	7.7	395	12.9	3.0	
25-Oct-18	7.9	403	5.2	10.9	
22-Nov-18	8.1		3.4	11.8	
13-Dec-18	8.2	413	5.4	11.8	
19-Jan-19	8.0	397	4.7	12.2	
28-Feb-19	8.2	393	4.7	12.2	

Surface Water Station	PWQO	pH (su)	EC (µS/cm)	T (°C)	DO
		6.5 - 8.5	nc	nc	a
SW11D (cont'd)	19-Mar-19	8.1	350	4.0	12.1
	25-Apr-19	8.1	278	3.6	12.1
	16-May-19	7.9	360	5.6	11.9
	27-May-19	7.9	360	5.6	11.9
	21-Jun-19	8.0	391	6.7	11.4
	30-Jul-19	8.2	387	11.5	6.4
	30-Aug-19 (1)				
	27-Sep-19 (1)				
	22-Oct-19 (1)				
	21-Nov-19 (2)				
	20-Dec-19 (2)				
	24-Jan-20 (2)				
	21-Feb-20 (2)				
	25-Mar-20 (1)				
	28-Apr-20				
	20-May-20	8.1	380	5.4	12.1
	28-May-20	8.6	359	5.4	11.7
	24-Jun-20 (1)				
	31-Jul-20	7.9	405	11.8	10.5
	26-Aug-20	8.1	415	11.7	9.8
	26-Sep-20	8.1	380	10.7	
	29-Oct-20	7.6	374	8.7	7.1
	27-Nov-20	7.8	421	6.3	11.9
	22-Dec-20 (2)				
	28-Jan-21 (2)				
	23-Feb-21 (2)				
	30-Mar-21	8.2	349	5.1	10.8
	28-Apr-21 (1)				
	26-May-21	8.2	366	5.8	12.2
	23-Jun-21	8.0	334	8.0	9.7
	10-Jul-21	8.2	399	11.3	10.9
	23-Jul-21 (1)				
	11-Aug-21			12.6	
	26-Aug-21	7.7	419	13.9	0.5
	27-Sep-21	7.6	460	8.0	11.3
	27-Oct-21 (3)				
	22-Nov-21 (2)				
	22-Dec-21 (2)				
	24-Jan-22 (2)				
	8-Feb-22 (2)				
16-Mar-22 (2)					
21-Apr-22	8.0	1,018	0.1	12.0	
25-May-22	8.2	399	5.1	12.5	
24-Jun-22			9.7		
8-Jul-22			12.8		
11-Aug-22			11.9		
29-Aug-22			8.7		
29-Sep-22			9.7		
27-Oct-22			9.2		
22-Nov-22			2.6		

**Table C-3 Surface Water Field Chemical Results**

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
SW11D (cont'd)	21-Dec-22			0.4	
	17-May-23	7.9	384	6.5	11.1
	26-Jun-23			10.2	
	11-Jul-23			9.2	
	26-Jul-23			10.5	
	14-Aug-23			10.3	
	29-Aug-23			11.3	
	25-Sep-23			11.3	
SW11E	31-Oct-23			6.6	
	22-May-03			8.0	
	13-Feb-04		294	2.6	12.9
	18-Mar-04		421	4.2	9.3
	21-Apr-04	8.2	210	6.7	
	19-May-04	8.3	325	9.4	
	24-Jun-04	8.3	368	10.6	
	29-Jul-04	8.2	399	13.3	
	26-Aug-04	8.2	354	13.1	
	20-Oct-04	8.1	318	7.0	
	18-Nov-04	8.1	358	7.5	
	16-Dec-04	8.2	294	2.0	
	16-Jan-05 (2)				
	13-Feb-05 (2)				
	29-Mar-05	8.1	308	7.8	
	11-Apr-05	7.2	212	5.3	
	24-May-05	7.7	329	10.3	
	27-Jun-05	8.0	385	12.6	
	12-Jul-05	7.7	387	13.8	9.6
	23-Aug-05	7.9	371	13.3	10.0
	25-Oct-05	8.1	403	6.7	
	16-Nov-05	8.1	275	6.5	11.6
	13-Dec-05	8.1	324	1.2	12.4
	18-Jan-06	7.0	251	4.6	
	19-Feb-06 (2)				
	24-Mar-06	8.3	246	5.4	
	19-Apr-06	8.5	319	8.8	
	24-May-06	8.3	399	9.2	
	21-Jun-06	8.3	419	11.3	
	12-Jul-06	8.2	356	13.4	
	24-Aug-06	8.1	412	14.8	
21-Sep-06	8.2	397	11.6		
25-Sep-06	7.9	270	12.5	9.7	
19-Oct-06	8.2	425	9.4		
23-Nov-06	8.2	421	5.9		
17-Dec-06	8.2	433	4.7		
21-Jan-07	8.5	433	2.0		
18-Feb-07	8.5	448	3.3		
18-Mar-07	8.4	381	3.8		
17-Apr-07	8.4	377	4.3		
13-May-07	8.3	395	6.7		
17-Jun-07	8.4	449	11.4	10.6	

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	DO
		6.5 - 8.5	nc	nc	a
SW11E (cont'd)	15-Jul-07	8.1	436	13.8	9.5
	19-Aug-07	8.0	418	13.7	9.2
	17-Sep-07	8.0	405	11.0	
	18-Oct-07	8.0	408	11.8	9.2
	19-Nov-07	7.9	455	2.2	12.4
	11-Dec-07	8.0	433	2.9	12.5
	22-Jan-08	7.9	358	3.6	13.3
	20-Feb-08	8.1	377	3.3	
	17-Mar-08	8.1	398	4.2	13.3
	2-Apr-08	7.8	313	4.3	
	23-Apr-08	7.9	304	7.4	
	22-May-08	7.3	359	5.8	
	17-Jun-08	7.9	425	9.3	9.3
	15-Jul-08	7.3	454	13.2	7.3
	19-Aug-08	7.7	512	12.0	
	16-Sep-08	8.2	468	10.8	9.0
	22-Oct-08	8.0	419	6.5	7.9
	23-Nov-08	8.1	421	5.3	9.0
	14-Dec-08	8.5	330	4.3	9.4
	18-Jan-09	8.1	412	3.1	4.6
	8-Feb-09		339	3.9	7.9
	15-Mar-09	8.6	298	4.5	
	12-Apr-09	8.2	331	5.2	
	17-May-09	8.3	328	10.4	10.5
	14-Jun-09	8.2	764	10.9	
	12-Jul-09	8.7	431	10.9	11.0
	9-Aug-09	8.7	433	14.0	9.3
	13-Sep-09	7.6	403	11.8	10.4
	11-Oct-09	8.3	474	6.3	12.0
	15-Nov-09	8.3	412	4.5	
	13-Dec-09	8.1	450	1.9	12.4
	17-Jan-10	8.2	427	3.5	12.9
	7-Feb-10	7.7	428	2.1	12.3
	14-Mar-10	7.9	344	5.2	13.0
	4-Apr-10				
	11-Apr-10	8.1	365	8.6	
	16-May-10	8.3	258	7.7	11.7
	23-May-10				
	13-Jun-10	8.4	284	9.7	14.6
	18-Jul-10	8.3	330	10.6	14.5
15-Aug-10	8.4	248	13.7	10.0	
12-Sep-10	8.4	340	10.6	10.7	
17-Oct-10	8.2	312	7.3	11.8	
14-Nov-10	8.4	235	6.3	10.8	
19-Dec-10	8.5	237	4.1	10.5	
16-Jan-11	8.2	243	4.4	12.6	
20-Feb-11	8.3	240	3.7	12.5	
13-Mar-11	8.3	242	5.4	13.3	
17-Mar-11					
18-Mar-11					



Surface Water Station	PWQO	pH (su)	EC (µS/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
SW11E (cont'd)	20-Mar-11				
	1-Apr-11				
	5-Apr-11				
	8-Apr-11				
	12-Apr-11				
	15-Apr-11				
	17-Apr-11	8.1	230	5.8	12.6
	20-Apr-11				
	21-Apr-11				
	26-Apr-11				
	29-Apr-11				
	3-May-11				
	6-May-11				
	10-May-11				
	13-May-11				
	15-May-11	8.0	211	6.1	13.1
	16-May-11				
	18-May-11				
	19-May-11				
	20-May-11				
	27-May-11				
	3-Jun-11				
	12-Jun-11	8.3	263	10.5	10.0
	17-Jul-11	8.4	230	16.2	10.5
	14-Aug-11	8.4	256	15.3	8.1
	18-Sep-11	8.5	268	12.3	8.5
	16-Oct-11	7.9	280	9.5	11.9
	20-Nov-11	8.0	222	4.0	12.7
	18-Dec-11	8.6	214	5.6	13.5
	15-Jan-12	8.4	185	3.6	11.5
	19-Feb-12	8.2	179	4.3	12.7
	18-Mar-12	8.4	202	7.5	10.0
	15-Apr-12	8.9	277	9.1	12.6
	13-May-12	8.3	288	11.3	10.2
	17-Jun-12	8.2	348	14.4	13.8
	16-Jul-12	8.5	381	17.1	6.6
	14-Aug-12	8.4	302	10.9	7.3
	18-Sep-12	7.8	334	12.0	9.5
	14-Oct-12	8.3	298	9.2	8.5
	18-Nov-12	8.1	279	6.8	9.1
16-Dec-12	7.9	552	4.4	10.5	
13-Jan-13	8.2	279	4.6	11.5	
17-Feb-13 (2)					
19-Mar-13	8.3	200	3.9	10.2	
17-Apr-13	8.1	201	5.6	10.1	
14-May-13	8.2	236	6.1	8.7	
19-Jun-13	8.3	277	9.7	12.9	
16-Jul-13	8.3	346	13.8	9.8	
21-Aug-13	8.3	344	14.1	9.4	
18-Sep-13	8.2	312	10.6	10.3	

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
SW11E (cont'd)	16-Oct-13	8.6	314	10.4	5.7
	20-Nov-13	7.9	260	5.5	3.6
	18-Dec-13	8.1	217	4.0	7.5
	21-Jan-14	7.7	296	0.9	3.9
	19-Feb-14	7.0	268	1.7	3.6
	19-Mar-14	7.6	268	1.6	5.3
	17-Apr-14	8.0	219	4.8	10.7
	13-May-14	6.8	268	11.0	10.5
	18-Jun-14	8.6	291	9.5	10.7
	16-Jul-14	8.9	348	10.4	8.3
	19-Aug-14	8.8	380	12.6	8.1
	9-Sep-14	8.8	386	13.6	4.2
	23-Oct-14	8.1	387	8.2	5.0
	19-Nov-14	7.5	307	3.8	6.9
	16-Dec-14	8.6	304	4.5	
	20-Jan-15	7.9	275	1.7	1.9
	15-Feb-15 (3)				
	18-Mar-15	8.5	227	3.6	13.6
	22-Apr-15	8.2	257	4.7	14.3
	19-May-15	8.6	261	9.4	
	16-Jun-15	8.4	315	9.2	10.8
	21-Jul-15	8.3	333	12.3	
	11-Aug-15	8.3	357	12.9	11.0
	25-Aug-15	8.7	307	12.7	9.3
	8-Sep-15	7.9	363	16.1	8.1
	15-Oct-15	8.2	296	9.1	10.4
	8-Nov-15				
	18-Nov-15	8.2	345	7.4	13.2
	9-Dec-15	8.0	315	4.7	13.9
	20-Jan-16	7.9	214	2.4	14.3
	17-Feb-16	8.0	255	1.7	14.5
	15-Mar-16	7.7	190	4.2	13.8
	21-Apr-16	8.0	232	5.9	14.6
	18-May-16	8.6	305	9.3	12.0
	23-Jun-16	8.5	314	10.7	11.4
	5-Jul-16	8.5	328	14.4	14.6
	21-Jul-16	8.4	368	16.0	9.3
	9-Aug-16	8.5	416	16.4	11.4
	24-Aug-16	8.5	361	16.3	10.0
	19-Sep-16	8.1	44	15.3	8.4
18-Oct-16	8.2	357	14.1	12.6	
24-Oct-16	7.9	311	7.8	12.5	
16-Nov-16	8.2	301	6.5	11.4	
12-Dec-16	8.1	454	1.3	15.7	
25-Jan-17	8.3	272	4.9	12.1	
17-Feb-17	8.5	282	2.9	15.7	
22-Mar-17	8.5	260	2.8	12.9	
19-Apr-17	7.7	221	4.8	14.4	
9-May-17	8.5	190	6.4	15.5	
16-May-17	8.1	247	6.0	12.5	

**Table C-3 Surface Water Field Chemical Results**

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
SW11E (cont'd)	28-Jun-17	8.2	299	8.2	12.1
	7-Jul-17	8.0	306	10.6	10.5
	19-Jul-17	8.3	350	11.7	11.2
	2-Aug-17	8.4	327	11.9	10.5
	16-Aug-17	8.4	261	11.9	10.7
	17-Sep-17	8.2	341	12.2	9.7
	18-Oct-17	8.5	359	9.7	8.1
	15-Nov-17	8.6	325	5.7	11.2
	14-Dec-17	8.5	276	2.3	11.8
	18-Jan-18	8.2	257	3.6	8.0
	23-Feb-18	8.4	218	4.3	13.5
	21-Mar-18	8.4	262	3.6	11.9
	19-Apr-18	8.4	233	3.9	9.6
	9-May-18	8.3	357	6.9	11.8
	15-May-18	8.3	352	6.5	11.6
	18-Jun-18	8.4	423	8.4	10.2
	19-Jul-18	8.3	422	13.5	9.5
	24-Aug-18	8.4	427	14.7	9.3
	20-Sep-18	8.4	420	13.8	9.2
	25-Oct-18	8.4	417	5.0	11.8
	22-Nov-18	8.4		0.7	13.5
	13-Dec-18	8.5	409	3.8	12.7
	19-Jan-19	8.3	393	2.3	13.5
	28-Feb-19 (2)				
	19-Mar-19	8.4	348	4.4	12.4
	25-Apr-19	8.2	269	4.6	11.8
	16-May-19	8.5	315	6.6	12.0
	27-May-19	8.5	347	9.5	11.1
	21-Jun-19	8.5	377	9.7	10.8
	30-Jul-19	8.4	378	14.6	9.2
	30-Aug-19	8.3	364	14.0	9.2
	27-Sep-19	8.1	359	13.5	9.5
	22-Oct-19	8.3	392	8.9	7.9
	21-Nov-19	8.3	382	1.1	8.0
	20-Dec-19 (2)				
	24-Jan-20	8.4	363	4.3	12.5
21-Feb-20 (2)					
25-Mar-20 (1)					
28-Apr-20	8.5	310	5.8	12.2	
20-May-20	8.3	380	10.8	10.8	
28-May-20	9.0	351	8.2	11.1	
24-Jun-20 (1)					
31-Jul-20	8.8	410	12.8	9.8	
26-Aug-20	8.4	379	13.1	9.7	
26-Sep-20	8.2	380	11.0		
29-Oct-20	8.1	386	8.4	7.5	
27-Nov-20	8.4	405	6.1	12.1	
22-Dec-20	8.3	407	4.8	12.8	
28-Jan-21	8.2	401	2.5	13.0	
23-Feb-21 (2)					

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	DO
		6.5 - 8.5	nc	nc	a
SW11E (cont'd)	30-Mar-21	8.3	375	5.5	11.0
	28-Apr-21	8.3	348	6.7	11.4
	26-May-21	8.3	397	9.0	11.0
	23-Jun-21	8.3	415	10.4	10.6
	10-Jul-21			10.1	
	23-Jul-21	8.4	437	12.6	8.9
	11-Aug-21			14.6	
	26-Aug-21	8.2	394	16.2	9.3
	27-Sep-21	8.3	448	9.5	11.2
	27-Oct-21 (3)				
	22-Nov-21	8.1	463	3.6	11.7
	22-Dec-21	8.3	459	2.6	11.7
	24-Jan-22	8.2	445	0.4	10.5
	8-Feb-22	7.3	544	0.1	12.0
	16-Mar-22	7.7	513		10.3
	21-Apr-22	8.1	404	1.0	11.8
	25-May-22	8.4	412	9.5	11.4
	24-Jun-22			6.1	
	8-Jul-22			11.7	
	11-Aug-22			13.2	
	29-Aug-22			9.0	
	29-Sep-22			10.0	
	27-Oct-22			8.4	
	17-May-23	8.4	369	7.3	11.4
	26-Jun-23			13.8	
	11-Jul-23			12.2	
	26-Jul-23			10.8	
	14-Aug-23			12.1	
	29-Aug-23			13.3	
	25-Sep-23			12.6	
31-Oct-23			6.2		
SW13	22-May-03			13.0	
	13-Feb-04		287	0.8	12.8
	21-Apr-04	8.3	259	8.2	
	19-May-04	8.3	390	15.2	
	24-Jun-04	8.4	413	18.1	
	29-Jul-04	8.2	434	21.8	
	26-Aug-04	8.2	394	20.7	8.1
	22-Sep-04	8.2	392	22.6	8.0
	20-Oct-04	8.0	288	8.6	11.5
	18-Nov-04	8.0	282	6.1	
	15-Dec-04 (2)				
	16-Jan-05 (2)				
	13-Feb-05 (2)				
	11-Apr-05	7.3	243	5.1	
	26-May-05	8.1	373	15.4	
	29-Jun-05	8.1	491	22.2	
	12-Jul-05	7.8	474	23.3	7.9
23-Aug-05	7.6	430	19.9	6.8	
28-Sep-05	7.9	362	15.8	7.4	

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	DO
		6.5 - 8.5	nc	nc	a
SW13 (cont'd)	25-Oct-05	8.9	382	8.4	11.6
	16-Nov-05	8.2	267	5.8	
	13-Dec-05	8.0	455	0.8	
	18-Jan-06	7.7	270	2.4	
	19-Feb-06 (2)				
	24-Mar-06	8.4	255	3.3	
	19-Apr-06	8.4	342	8.7	
	24-May-06	8.3	420	10.2	
	21-Jun-06	8.3	424	19.0	
	12-Jul-06	8.4	350	20.8	
	24-Aug-06	7.9	382	20.2	
	21-Sep-06	8.1	358	16.2	
	19-Oct-06	8.2	370	9.7	
	23-Nov-06	8.1	445	4.6	
	17-Dec-06	8.2	489	3.3	
	21-Jan-07	8.4	475	1.7	
	18-Feb-07 (2)				
	18-Mar-07 (2)				
	17-Apr-07	8.5	427	3.8	
	13-May-07	8.4	404	10.5	11.1
	17-Jun-07	8.4	442	20.5	9.0
	15-Jul-07	8.1	434	23.3	7.3
	19-Aug-07	7.9	428	19.0	6.4
	17-Sep-07	7.9	379	15.9	7.2
	18-Oct-07	7.9	373	13.3	8.1
	19-Nov-07	8.1	400	3.9	12.6
	9-Dec-07 (2)				
	20-Jan-08 (2)				
	20-Feb-08	8.1	420	2.2	
	17-Mar-08	8.0	423	2.1	
	2-Apr-08	7.9	372	3.2	
	23-Apr-08	7.9	320	9.4	10.5
	22-May-08	7.8	377	8.8	11.1
	17-Jun-08	7.9	403	16.6	8.4
	15-Jul-08	7.5	425	22.0	5.8
	19-Aug-08	8.0	501	21.9	4.4
16-Sep-08	8.4	418	17.6	6.4	
22-Oct-08	8.0	437	7.4	7.1	
23-Nov-08	8.5	462	3.9	9.0	
14-Dec-08	8.4	369	3.1	9.5	
18-Jan-09 (2)					
8-Feb-09		385	2.5	8.2	
15-Mar-09	8.6	362	4.5		
12-Apr-09	8.0	403	5.6		
17-May-09	8.5	338	15.0	10.1	
14-Jun-09	7.9	803	19.6		
12-Jul-09	8.2	420	18.2	9.5	
9-Aug-09	8.0	341	22.3	8.2	
13-Sep-09	7.7	374	16.8	8.6	
11-Oct-09	8.4	441	8.5	11.1	

Surface Water Station	PWQO	pH (su)	EC (µS/cm)	T (°C)	DO
		6.5 - 8.5	nc	nc	a
SW13 (cont'd)	15-Nov-09	8.5	429	5.6	
	13-Dec-09	7.7	477	1.4	12.7
	17-Jan-10	8.1	463	1.0	12.2
	7-Feb-10 (2)				
	14-Mar-10	7.9	410	4.1	13.5
	4-Apr-10				
	11-Apr-10	8.0	395	8.2	
	16-May-10	8.4	317	12.4	10.4
	23-May-10				
	13-Jun-10	8.4	356	16.7	12.9
	18-Jul-10	8.2	395	19.1	11.7
	15-Aug-10	8.4	403	21.5	7.9
	12-Sep-10	8.3	391	15.4	8.0
	17-Oct-10	8.1	338	8.9	10.5
	19-Dec-10 (2)				
	16-Jan-11				
	20-Feb-11				
	13-Mar-11	8.4	260	3.4	13.9
	17-Mar-11				
	18-Mar-11				
	20-Mar-11	8.3	277	3.6	13.4
	1-Apr-11				
	5-Apr-11				
	8-Apr-11				
	12-Apr-11				
	15-Apr-11				
	17-Apr-11	8.4	240	5.6	12.5
	20-Apr-11				
	21-Apr-11				
	26-Apr-11				
	29-Apr-11				
	3-May-11				
	6-May-11				
	10-May-11				
	13-May-11				
	15-May-11	8.4	248	7.6	12.9
	16-May-11				
	18-May-11				
	19-May-11				
	20-May-11				
27-May-11					
3-Jun-11					
12-Jun-11	8.6	305	17.5	8.7	
17-Jul-11	8.5	423	26.0	8.9	
14-Aug-11	8.5	286	22.6	6.4	
18-Sep-11	8.7	200	17.6	7.1	
16-Oct-11	7.8	274	10.1	11.3	
20-Nov-11	8.1	285	4.1	11.9	
18-Dec-11	8.9	244	4.0	14.5	
15-Jan-12	8.5	207	2.2	12.0	

**Table C-3 Surface Water Field Chemical Results**

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	DO
		6.5 - 8.5	nc	nc	a
SW13 (cont'd)	19-Feb-12	8.2	222	2.2	13.2
	18-Mar-12	8.3	233	9.1	9.2
	15-Apr-12	8.8	285	10.6	12.5
	13-May-12	8.4	331	16.0	10.9
	17-Jun-12	8.6	424	24.3	11.9
	16-Jul-12	8.6	406	26.9	6.3
	14-Aug-12	8.5	337	16.7	7.0
	18-Sep-12	7.9	364	16.1	8.6
	18-Oct-12	8.4	287	9.8	8.9
	20-Nov-12	8.0	297	5.3	9.7
	20-Dec-12	7.8	591	3.1	10.6
	16-Jan-13	8.1	259	3.4	11.6
	17-Feb-13 (2)				
	19-Mar-13	8.3	215	2.3	10.6
	17-Apr-13	8.0	189	5.2	10.2
	14-May-13	8.2	254	7.4	7.9
	19-Jun-13	8.4	355	16.9	9.5
	16-Jul-13	8.3	369	25.3	6.4
	21-Aug-13	8.4	401	21.3	7.2
	18-Sep-13	8.2	335	16.7	9.5
	16-Oct-13	8.6	347	12.1	5.5
	20-Nov-13	8.6	276	4.2	3.9
	18-Dec-13	7.9	255	1.9	8.0
	21-Jan-14	7.5	220	0.8	4.7
	19-Feb-14	7.8	242	0.6	3.7
	19-Mar-14	7.3	232	0.6	8.4
	17-Apr-14	8.2	236	3.5	8.7
	13-May-14	7.5	277	12.4	11.6
	18-Jun-14	7.5	219	12.9	11.0
	16-Jul-14	7.8	400	18.2	8.8
	19-Aug-14	8.8	424	20.1	6.9
	9-Sep-14	8.8	418	19.1	11.9
	23-Oct-14	8.1	415	9.6	9.0
	19-Nov-14	7.4	314	2.3	6.3
	16-Dec-14	8.6	314	3.0	
	20-Jan-15	7.8	194	1.1	2.1
	15-Feb-15 (3)				
	15-Mar-15 (2)				
	22-Apr-15	8.3	292	6.0	13.1
	19-May-15	8.1	317	14.8	12.2
16-Jun-15	8.2	359	16.0	8.3	
22-Jul-15	8.6	403	20.8		
11-Aug-15	8.1	396	19.5	7.1	
23-Aug-15					
8-Sep-15	7.9	396	22.4	6.1	
15-Oct-15	8.1	297	12.1	8.5	
8-Nov-15					
18-Nov-15	8.1	309	6.0	13.3	
9-Dec-15	8.8	305	3.6	12.3	
17-Jan-16 (2)					

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
SW13 (cont'd)	14-Feb-16 (2)				
	15-Mar-16	7.7	238	4.2	13.6
	21-Apr-16	8.0	266	7.5	13.8
	18-May-16	8.6	318	9.2	11.9
	23-Jun-16	8.3	396	19.1	6.6
	3-Jul-16				
	21-Jul-16	7.6	453	22.6	2.2
	7-Aug-16				
	24-Aug-16	8.3	372	23.6	8.2
	19-Sep-16	8.2	384	20.8	6.9
	18-Oct-16	8.3	318	15.1	10.4
	16-Nov-16	8.3	270	6.4	11.4
	12-Dec-16	8.1	433	1.3	11.6
	25-Jan-17	8.2	299	3.4	12.4
	17-Feb-17	8.4	284	1.1	14.9
	22-Mar-17	8.4	295	2.8	11.6
	19-Apr-17	7.8	279	6.9	13.6
	16-May-17	8.5	252	10.3	10.7
	28-Jun-17	8.5	362	12.2	11.1
	7-Jul-17				
	19-Jul-17	8.6	436	20.4	9.1
	27-Jul-17				
	16-Aug-17	8.3	388	19.6	8.6
	18-Sep-17	8.2	333	17.6	9.1
	18-Oct-17	8.2	345	11.3	9.0
	15-Nov-17	8.5	324	3.8	14.0
	14-Dec-17	8.4	286	1.6	13.9
	18-Jan-18	8.0	275	1.8	10.2
	23-Feb-18	8.3	225	3.0	15.3
	21-Mar-18	8.4	268	2.1	12.2
	19-Apr-18	8.4	259	2.4	12.5
	15-May-18	8.3	394	10.5	11.1
	18-Jun-18	8.3	429	7.5	8.2
	19-Jul-18	8.3	417	23.7	7.3
	24-Aug-18	8.3	368	20.4	8.2
	20-Sep-18	8.4	344	18.8	8.8
	25-Oct-18	8.6	361	6.2	11.8
	22-Nov-18	8.4	453	2.1	12.6
	12-Dec-18	8.4	470	2.0	13.0
	18-Jan-19	8.2	444	1.4	13.7
28-Feb-19 (2)					
15-Mar-19	8.3	405	2.6	12.9	
25-Apr-19 (1)					
23-May-19	8.5	371	12.7	10.9	
18-Jun-19	8.5	373	17.0	10.1	
29-Jul-19	8.3	377	23.3	7.2	
29-Aug-19	8.2	487	18.2	7.2	
26-Sep-19	8.3	479	15.3	7.4	
23-Oct-19	8.0	473	9.2	7.3	
22-Nov-19	8.2	402	0.6	7.6	



Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
SW13 (cont'd)	20-Dec-19 (2)				
	24-Jan-20 (2)				
	21-Feb-20 (2)				
	25-Mar-20 (2)				
	27-Apr-20	8.7	329	6.9	12.6
	28-May-20 (1)				
	24-Jun-20 (1)				
	31-Jul-20 (1)				
	26-Aug-20 (3)				
	26-Sep-20 (3)				
	30-Oct-20	8.0	461	8.4	7.3
	26-Nov-20	8.0	483	4.4	11.2
	23-Dec-20	8.3	455	3.5	13.0
	27-Jan-21	8.2	468	2.7	13.0
	22-Feb-21 (3)				
	29-Mar-21	8.1	421	8.4	12.6
	27-Apr-21 (1)				
	27-May-21	8.1	419	16.9	9.5
	22-Jun-21	8.1	433	19.2	8.2
	22-Jul-21	8.3	430	19.8	8.7
	25-Aug-21	8.1	8	23.7	(6)
	28-Sep-21	8.4	487	12.2	10.8
	26-Oct-21 (3)				
	23-Nov-21	8.2	502	3.8	11.6
	21-Dec-21	8.5	494	3.7	11.5
	24-Jan-22 (2)				
	8-Feb-22 (2)				
	16-Mar-22 (2)				
	21-Apr-22	8.2	516	5.4	9.3
	24-May-22	8.4	413	14.8	10.8
	24-Jun-22			10.9	
	29-Aug-22			15.1	
	29-Sep-22			14.0	
	27-Oct-22			9.6	
22-Nov-22			0.9		
17-May-23			10.3		
26-Jun-23			22.1		
26-Jul-23			16.6		
29-Aug-23			19.9		
25-Sep-23			17.5		
31-Oct-23			8.2		
SW14	22-May-03			15.0	
	10-Feb-04		292	0.8	11.0
	16-Mar-04	8.0	435	1.5	11.9
	19-Apr-04	8.4	253	9.5	
	19-May-04	8.3	385	14.6	
	24-Jun-04	8.3	385	15.8	9.3
	29-Jul-04	8.0	389	18.0	7.7
	26-Aug-04	7.9	370	16.0	
22-Sep-04	7.7	355	14.7	8.1	

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	DO
		6.5 - 8.5	nc	nc	a
SW14 (cont'd)	20-Oct-04	7.5	313	7.0	10.3
	16-Nov-04	7.5	294	3.4	12.0
	16-Dec-04	7.8	235	0.4	
	16-Jan-05 (2)				
	13-Feb-05 (2)				
	29-Mar-05	8.0	301	3.5	
	11-Apr-05	7.1	249	5.6	
	24-May-05	7.7	352	12.2	10.5
	28-Jun-05	8.4	488	21.8	
	11-Jul-05	7.2	471	21.6	
	22-Aug-05	7.8	383	16.0	8.2
	27-Sep-05	7.6	355	13.2	9.0
	24-Oct-05	7.6	580	7.9	9.6
	16-Nov-05	7.6	301	6.0	11.7
	12-Dec-05	8.3	255	0.2	3.0
	17-Jan-06	7.8	243	0.6	
	19-Feb-06 (2)				
	20-Mar-06	8.3	278	3.3	
	18-Apr-06	6.4	345	10.5	
	24-May-06	8.4	423	11.7	
	23-Jun-06	7.8	362	17.6	
	11-Jul-06	8.5	356	18.1	
	23-Aug-06	7.6	414	17.0	
	20-Sep-06	7.4	539	12.5	
	19-Oct-06	7.7	421	9.8	
	27-Nov-06	8.2	451	6.4	12.4
	17-Dec-06	8.1	505	2.9	
	21-Jan-07 (2)				
	18-Feb-07 (2)				
	18-Mar-07	8.3	429	2.5	
	17-Apr-07	8.5	425	5.4	
	13-May-07	8.0	409	10.2	11.1
	17-Jun-07	8.3	451	19.1	8.1
	15-Jul-07	8.3	447	19.3	7.2
	19-Aug-07	8.1	416	19.2	6.5
	17-Sep-07	7.8	402	13.4	8.1
	18-Oct-07	7.7	488	12.7	6.4
	21-Nov-07	7.8	475	3.8	10.8
	9-Dec-07 (2)				
	21-Jan-08	7.3	385	1.2	
17-Feb-08 (2)					
16-Mar-08 (2)					
2-Apr-08	7.8	336	2.1		
21-Apr-08	7.5	325	11.2	9.8	
20-May-08	7.4	379	13.6	9.5	
18-Jun-08	8.1	379	15.0	7.4	
15-Jul-08	7.6	442	18.5	5.5	
19-Aug-08	7.7	513	16.4	4.6	
17-Sep-08	8.6	444	13.9	6.1	
22-Oct-08	8.0	444	5.5	8.7	

Surface Water Station	PWQO	pH (su)	EC (µS/cm)	T (°C)	DO
		6.5 - 8.5	nc	nc	a
SW14 (cont'd)	23-Nov-08		472	3.9	8.8
	14-Dec-08	7.3	374	2.8	8.1
	18-Jan-09 (2)				
	8-Feb-09 (2)				
	15-Mar-09	8.6	386	4.1	
	12-Apr-09	8.4	346	6.8	
	17-May-09	8.3	342	15.5	10.0
	14-Jun-09	8.6	822	15.8	8.9
	12-Jul-09	9.2	366	17.5	8.8
	9-Aug-09	8.7	384	20.5	9.0
	13-Sep-09	6.5	387	16.1	9.2
	11-Oct-09	7.7	471	5.1	11.5
	15-Nov-09	7.3	446	3.6	
	13-Dec-09	7.5	489	1.6	11.9
	17-Jan-10 (2)				
	7-Feb-10 (2)				
	14-Mar-10	8.0	339	3.5	13.5
	4-Apr-10				
	11-Apr-10	8.3	400	9.4	11.5
	16-May-10	8.4	323	12.9	10.4
	23-May-10				
	13-Jun-10	8.3	317	14.0	13.0
	18-Jul-10	8.2	364	18.6	11.9
	15-Aug-10	8.3	387	17.2	8.9
	12-Sep-10	8.2	368	14.1	9.2
	17-Oct-10	8.0	348	8.2	11.0
	14-Nov-10	8.3	288	6.4	12.4
	19-Dec-10 (2)				
	16-Jan-11				
	20-Feb-11				
	13-Mar-11	8.1	241	3.3	11.5
	17-Mar-11				
	18-Mar-11				
	20-Mar-11	8.3	275	3.3	13.0
1-Apr-11					
5-Apr-11					
8-Apr-11					
12-Apr-11					
15-Apr-11					
17-Apr-11	8.4	247	5.9	12.2	
20-Apr-11					
21-Apr-11					
26-Apr-11					
29-Apr-11					
3-May-11					
6-May-11					
10-May-11					
13-May-11					
15-May-11	8.2	248	8.0	12.8	
16-May-11					

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	DO	
		6.5 - 8.5	nc	nc	a	
SW14 (cont'd)	18-May-11					
	19-May-11					
	20-May-11					
	27-May-11					
	3-Jun-11					
	12-Jun-11		8.4	314	16.7	9.8
	17-Jul-11		8.3	393	21.8	8.6
	14-Aug-11		8.6	264	18.7	8.4
	18-Sep-11		8.8	265	14.3	9.5
	16-Oct-11		7.7	251	10.0	12.7
	20-Nov-11		8.0	284	2.8	12.9
	18-Dec-11		9.2	241	3.4	13.6
	15-Jan-12 (2)					
	19-Feb-12 (2)					
	18-Mar-12		8.3	247	10.4	8.5
	15-Apr-12		8.9	275	8.0	12.9
	13-May-12		8.4	327	16.8	9.2
	17-Jun-12		8.4	400	21.0	13.0
	16-Jul-12		8.5	378	24.0	6.8
	14-Aug-12		8.6	447	16.7	7.0
	18-Sep-12		7.8	354	14.8	8.4
	17-Oct-12		7.2	320	11.1	7.7
	20-Nov-12		8.1	304	5.8	10.7
	18-Dec-12		7.7	623	4.2	9.7
	20-Dec-12		7.9	585	2.6	11.4
	16-Jan-13		8.3	295	3.1	11.5
	17-Feb-13 (2)					
	19-Mar-13		8.3	218	2.3	10.5
	17-Apr-13		8.3	241	6.2	10.4
	14-May-13		8.2	247	7.3	8.9
	19-Jun-13		8.4	315	15.2	10.1
	16-Jul-13		8.3	424	22.1	7.6
	21-Aug-13		8.3	419	22.2	7.4
	18-Sep-13		8.3	323	12.9	10.2
	16-Oct-13		8.9	360	12.7	5.4
	20-Nov-13		8.2	277	4.0	3.9
15-Dec-13 (2)						
19-Jan-14 (2)						
16-Feb-14 (2)						
16-Mar-14 (2)						
17-Apr-14		8.2	447	4.0	10.3	
13-May-14		7.0	318	15.5	10.3	
18-Jun-14		7.5	232	14.2	8.9	
15-Jul-14		8.9	391	15.7	6.9	
17-Aug-14 (1)						
9-Sep-14		8.7	427	16.7	4.3	
23-Oct-14		8.7	421	10.2	4.2	
16-Nov-14 (2)						
14-Dec-14 (2)						
18-Jan-15 (2)						

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
SW14 (cont'd)	15-Feb-15 (3)				
	15-Mar-15 (2)				
	22-Apr-15	8.3	297	6.2	13.2
	19-May-15	8.5	286	14.0	
	15-Jun-15	8.2	351	16.0	8.7
	22-Jul-15	8.5	391	18.8	
	11-Aug-15	8.2	398	17.7	8.6
	25-Aug-15	8.2	338	16.6	7.0
	8-Sep-15	7.9	403	20.3	6.1
	15-Oct-15	7.9	310	10.1	9.7
	8-Nov-15				
	18-Nov-15	7.9	346	7.8	12.7
	9-Dec-15	7.8	269	3.8	13.6
	20-Jan-16	7.7	268	(0)	15.0
	14-Feb-16 (2)				
	15-Mar-16	8.3	236	4.7	14.1
	21-Apr-16	7.7	275	8.2	13.4
	18-May-16	8.6	340	11.0	11.3
	23-Jun-16	8.4	367	15.0	9.7
	3-Jul-16				
	21-Jul-16	7.8	397	19.4	8.6
	7-Aug-16				
	24-Aug-16	5.1	376	19.7	7.5
	19-Sep-16	8.0	447	17.4	8.2
	18-Oct-16	7.8	405	15.4	11.1
	24-Oct-16	7.5	464	7.7	10.1
	16-Nov-16	7.8	315	7.1	10.4
	12-Dec-16	8.2	465	0.6	16.1
	25-Jan-17	8.2	300	3.2	13.0
	15-Feb-17 (2)				
	22-Mar-17	8.5	292	1.2	14.0
	19-Apr-17	7.8	272	6.6	14.4
	9-May-17	8.3	223	7.0	15.1
	16-May-17	8.0	303	10.5	11.4
	28-Jun-17	8.3	375	12.7	10.5
	7-Jul-17				
	19-Jul-17	8.2	430	18.8	8.9
	27-Jul-17				
	16-Aug-17	8.2	368	17.1	8.4
	18-Sep-17	7.9	366	16.3	8.1
	18-Oct-17	8.2	354	11.1	8.9
15-Nov-17	8.3	341	4.2	12.6	
14-Dec-17	8.4	281	(0)		
18-Jan-18	7.8	271	0.9	10.0	
23-Feb-18	8.3	234	3.1	8.3	
21-Mar-18	8.3	260	0.6	14.6	
19-Apr-18	8.4	263	2.5	11.7	
8-May-18	8.4	390	10.3	11.0	
15-May-18	8.2	398	11.2	10.1	
18-Jun-18	8.3	438	17.2	8.7	

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	DO
		6.5 - 8.5	nc	nc	a
SW14 (cont'd)	19-Jul-18	8.2	431	16.8	8.4
	23-Aug-18	8.1	422	17.9	8.1
	19-Sep-18	8.0	396	14.5	8.4
	25-Oct-18	7.9	436	5.3	11.0
	22-Nov-18	8.1	423	0.0	13.5
	13-Dec-18	8.4	475	1.9	13.3
	19-Jan-19	8.1	432	(0)	14.3
	28-Feb-19 (2)				
	19-Mar-19	8.4	411	1.8	13.1
	25-Apr-19	8.2	263	6.4	11.2
	14-May-19	8.5	339	6.9	11.7
	27-May-19	8.5	373	10.8	10.7
	21-Jun-19	8.4	393	13.6	9.6
	30-Jul-19	8.2	407	19.9	7.5
	30-Aug-19	8.0	365	15.2	8.1
	27-Sep-19	7.8	392	15.1	8.2
	22-Oct-19	7.9	359	7.9	8.1
	21-Nov-19	7.6	349	1.1	7.5
	20-Dec-19 (2)				
	24-Jan-20 (2)				
	21-Feb-20 (2)				
	25-Mar-20 (2)				
	28-Apr-20				
	20-May-20	8.2	400	9.5	10.8
	28-May-20	9.0	394	11.5	10.3
	24-Jun-20	8.6	342	15.6	9.1
	31-Jul-20	8.6	435	20.6	7.7
	26-Aug-20	8.1	409	20.3	7.3
	26-Sep-20	8.0	420	12.1	10.1
	29-Oct-20	7.6	326	8.6	8.0
	27-Nov-20	8.3	450	4.8	11.6
	22-Dec-20	8.3	465	3.0	13.2
	27-Jan-21 (2)				
	22-Feb-21 (2)				
	29-Mar-21	8.1	381	6.8	9.1
	27-Apr-21	8.2	376	7.2	8.1
	27-May-21	8.2	342	14.1	10.3
	22-Jun-21	8.1	445	15.0	9.4
	22-Jul-21	8.2	447	17.7	8.7
	25-Aug-21 (3)				
28-Sep-21 (3)					
26-Oct-21 (3)					
23-Nov-21 (2)					
21-Dec-21 (2)					
24-Jan-22 (2)					
8-Feb-22 (2)					
16-Mar-22 (2)					
21-Apr-22	8.0	422	6.5	9.0	
26-May-22	8.2	414	17.0	9.5	
24-Jun-22	8.1	605	17.2	10.3	

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	DO
		6.5 - 8.5	nc	nc	a
SW14 (cont'd)	29-Aug-22	8.2	541	17.2	10.3
	27-Sep-22	7.2	385	13.1	9.3
	27-Oct-22	7.7	317	8.6	9.0
	22-Nov-22	8.5	282	0.7	12.4
	20-Dec-22	8.5	225	0.2	11.2
	24-Jan-23	8.2	426	1.1	14.0
	22-Feb-23	8.0	445	1.0	14.4
	27-Mar-23	9.0	411	4.1	12.5
	21-Apr-23	8.8	358	7.3	11.4
	16-May-23	8.4	400	13.3	9.9
	26-Jun-23	8.1	333	19.9	8.9
	25-Jul-23	8.5	398	17.7	9.0
	29-Aug-23	7.9	382	17.3	8.8
	25-Sep-23	8.4	404	14.6	9.5
	31-Oct-23	8.2	309	5.6	10.6
	29-Nov-23	8.0	497	0.5	13.4
	18-Dec-23	7.8	492	3.8	11.9
SW15	10-Feb-04 (2)				
	18-Mar-04 (2)				
	19-May-04	8.2	421	18.2	9.1
	24-Jun-04	8.1	412	18.9	8.3
	29-Jul-04	8.0	398	20.5	7.5
	26-Aug-04	8.1	402	18.0	9.0
	20-Oct-04	8.0	316	7.9	11.7
	17-Nov-04	7.9	330	6.5	12.0
	16-Dec-04	7.9	134	0.1	
	16-Jan-05 (2)				
	13-Feb-05 (2)				
	27-Mar-05 (2)				
	11-Apr-05	7.5	340	11.2	
	24-May-05	7.7	389	15.2	
	28-Jun-05	8.3	484	23.0	
	11-Jul-05	7.2	471	23.8	
	22-Aug-05	8.7	383	18.4	
	27-Sep-05	7.6	348	14.4	
	24-Oct-05	7.9	400	8.6	
	15-Nov-05	7.9	285	4.5	
	12-Dec-05	8.3	243	0.1	
	15-Jan-06 (2)				
	19-Feb-06 (2)				
	19-Mar-06 (2)				
	18-Apr-06	8.4	388	17.9	
	23-May-06	8.1	420	16.3	
	20-Jun-06	8.0	399	20.1	
11-Jul-06	8.0	376	21.5		
23-Aug-06	7.8	378	18.7		
20-Sep-06	7.9	345	13.6		
19-Oct-06	7.8	390	10.1		
27-Nov-06	8.0	490	6.8	11.9	
17-Dec-06	8.0	556	1.6		

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	DO
		6.5 - 8.5	nc	nc	a
SW15 (cont'd)	21-Jan-07 (2)				
	18-Feb-07 (2)				
	18-Mar-07 (2)				
	17-Apr-07	8.5	441	8.5	
	13-May-07	8.1	388	12.0	10.5
	17-Jun-07	8.2	422	21.9	7.0
	15-Jul-07	8.1	419	21.8	7.2
	19-Aug-07	8.0	390	21.5	6.6
	17-Sep-07	8.0	330	16.2	8.3
	19-Oct-07	8.2	371	15.2	7.7
	21-Nov-07	7.9	446	4.2	
	10-Dec-07	7.7	428	0.9	11.3
	20-Jan-08 (2)				
	17-Feb-08 (2)				
	16-Mar-08 (2)				
	1-Apr-08	7.4	218	1.0	14.0
	21-Apr-08	7.7	406	21.1	6.8
	20-May-08	7.6	394	18.8	6.6
	18-Jun-08	8.2	830	16.5	6.9
	13-Jul-08 (1)				
	19-Aug-08	7.9	404	15.2	4.8
	17-Sep-08	8.4	471	13.9	6.2
	22-Oct-08	7.7	429	5.9	8.0
	23-Nov-08	7.6	518	1.9	8.7
	14-Dec-08 (2)				
	18-Jan-09 (2)				
	8-Feb-09 (2)				
	15-Mar-09	8.2	384	6.3	
	12-Apr-09	8.4	373	11.8	
	17-May-09	8.0	373	19.4	8.2
	14-Jun-09	8.4	826	15.7	9.6
	12-Jul-09	8.8	486	15.9	9.3
	9-Aug-09	8.0	400	19.8	8.2
	13-Sep-09	6.5	319	16.7	
	11-Oct-09	7.5	419	6.2	11.6
	15-Nov-09	7.4	407	5.2	
	13-Dec-09	7.5	508	0.5	12.2
	17-Jan-10 (2)				
	7-Feb-10 (2)				
	14-Mar-10	7.7	274	3.3	13.0
4-Apr-10					
16-May-10	8.2	408	19.3	8.5	
23-May-10					
13-Jun-10	8.0	340	17.4	10.6	
18-Jul-10	8.0	443	21.4	10.8	
15-Aug-10 (1)					
12-Sep-10 (1)					
17-Oct-10	7.9	360	8.2	10.5	
14-Nov-10	8.1	303	6.9	11.7	
19-Dec-10 (2)					



Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	DO
		6.5 - 8.5	nc	nc	a
SW15 (cont'd)	16-Jan-11				
	20-Feb-11				
	13-Mar-11 (2)				
	17-Mar-11				
	18-Mar-11				
	20-Mar-11	8.0	245	2.3	11.9
	1-Apr-11				
	5-Apr-11				
	8-Apr-11				
	12-Apr-11				
	15-Apr-11				
	17-Apr-11	8.1	321	8.5	10.9
	20-Apr-11				
	21-Apr-11				
	26-Apr-11				
	29-Apr-11				
	3-May-11				
	6-May-11				
	10-May-11				
	13-May-11				
	15-May-11	8.0	321	12.8	12.8
	16-May-11				
	18-May-11				
	19-May-11				
	20-May-11				
	27-May-11				
	3-Jun-11				
	12-Jun-11	8.2	345	19.6	8.1
	17-Jul-11 (1)				
	14-Aug-11 (1)				
	18-Sep-11 (1)				
	16-Oct-11	7.8	368	10.8	9.0
	20-Nov-11	8.0	297	3.4	12.0
	18-Dec-11	8.5	209	2.0	11.4
	15-Jan-12 (2)				
	19-Feb-12 (2)				
	18-Mar-12	8.0	369	16.9	7.8
	15-Apr-12	8.4	338	7.4	11.5
	13-May-12	8.0	383	13.7	9.4
	17-Jun-12 (1)				
15-Jul-12 (1)					
14-Aug-12	8.1	489	18.5	5.7	
18-Sep-12	7.7	426	14.8	7.4	
17-Oct-12	7.3	315	10.6	6.9	
20-Nov-12	7.7	350	6.1	8.6	
18-Dec-12	7.3	720	3.8	8.9	
15-Jan-13	7.7	642	1.8	10.9	
17-Feb-13 (2)					
17-Mar-13 (2)					
16-Apr-13	8.0	292	8.9	9.5	

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	DO
		6.5 - 8.5	nc	nc	a
SW15 (cont'd)	13-May-13	8.0	367	11.7	5.7
	19-Jun-13	8.1	400	15.8	8.6
	15-Sep-13 (1)				
	16-Oct-13	8.6	377	13.8	4.8
	19-Nov-13	8.3	334	4.1	2.0
	15-Dec-13 (2)				
	19-Jan-14 (2)				
	16-Feb-14 (2)				
	16-Mar-14 (2)				
	16-Apr-14	8.0	307	5.7	10.8
	13-May-14	7.7	398	13.8	10.0
	15-Jun-14 (1)				
	15-Jul-14	8.8	472	15.2	
	19-Aug-14	8.7	289	17.6	5.1
	9-Sep-14	8.6	560	16.0	4.5
	22-Oct-14	7.3	416	10.1	6.9
	16-Nov-14 (2)				
	16-Dec-14	8.3	253	0.4	
	18-Jan-15 (2)				
	15-Feb-15 (3)				
	15-Mar-15 (2)				
	22-Apr-15	7.9	409	8.1	12.0
	19-May-15	8.2	404	12.6	
	15-Jun-15	7.8	515	16.7	7.8
	21-Jul-15	8.2	475	18.3	
	9-Aug-15 (1)				
	23-Aug-15 (1)				
	6-Sep-15 (1)				
	11-Oct-15 (1)				
	8-Nov-15				
	18-Nov-15	8.0	372	7.6	10.8
	9-Dec-15	7.6	341	4.5	12.3
	20-Jan-16	7.6	317	0.4	14.0
	14-Feb-16 (2)				
	15-Mar-16	7.9	321	6.4	12.4
	21-Apr-16	7.9	345	7.3	10.6
	18-May-16	8.1	421	9.6	9.2
	19-Jun-16 (1)				
	3-Jul-16				
	17-Jul-16 (1)				
7-Aug-16					
24-Aug-16	8.4	469	17.8	9.3	
19-Sep-16	7.9	395	16.9	7.2	
18-Oct-16	8.1	356	14.8	11.5	
24-Oct-16	7.7	323	9.5	9.8	
15-Nov-16	7.1	309	7.7	10.6	
12-Dec-16	7.5	481	1.6	15.8	
24-Jan-17	8.0	307	2.4	12.2	
15-Feb-17 (2)					
21-Mar-17	7.7	333	0.6	13.0	

Surface Water Station	PWQO	pH (su)	EC (µS/cm)	T (°C)	DO
		6.5 - 8.5	nc	nc	a
SW15 (cont'd)	19-Apr-17	6.2	348	7.4	12.3
	9-May-17	8.4	320	12.2	11.5
	16-May-17	8.6	429	18.0	7.2
	28-Jun-17	8.2	429	17.1	7.8
	7-Jul-17				
	19-Jul-17	8.2	456	18.3	7.2
	27-Jul-17				
	16-Aug-17	8.0	386	16.7	7.4
	18-Sep-17	8.0	384	16.5	6.7
	18-Oct-17	8.1	357	11.5	9.3
	15-Nov-17	8.1	348	4.3	8.2
	12-Dec-17 (2)				
	17-Jan-18 (2)				
	23-Feb-18	7.9	254	0.7	9.9
	21-Mar-18	8.1	300	(0)	13.7
	19-Apr-18	8.1	281	0.6	12.6
	8-May-18	8.0	504	14.0	9.2
	15-May-18	7.9	477	13.5	8.7
	18-Jun-18	8.2	526	15.9	9.3
	18-Jul-18 (1)				
	23-Aug-18	8.1	487	17.8	8.5
	19-Sep-18 (1)				
	25-Oct-18	8.1	471	6.6	10.7
	22-Nov-18	8.2	736	2.1	13.2
	13-Dec-18	8.0	530	2.3	11.7
	18-Jan-19 (2)				
	19-Jan-19 (2)				
	28-Feb-19 (2)				
	19-Mar-19 (1)				
	25-Apr-19	8.0	253	7.2	10.3
	14-May-19	8.1	433	9.1	10.0
	27-May-19	8.0	464	11.0	9.5
	21-Jun-19	8.0	504	13.8	9.1
	30-Jul-19 (1)				
	30-Aug-19 (1)				
	27-Sep-19 (1)				
	22-Oct-19 (1)				
	21-Nov-19 (2)				
	20-Dec-19 (2)				
	24-Jan-20 (2)				
21-Feb-20 (2)					
25-Mar-20 (2)					
28-Apr-20	8.5	340	8.0	11.3	
20-May-20	8.1	500	10.1	10.1	
28-May-20	8.6	491	13.8	8.8	
24-Jun-20	8.2	493	17.2	8.0	
31-Jul-20	8.3	554	19.6	7.9	
26-Aug-20	8.0	543	17.4	8.7	
26-Sep-20	7.9	430	12.1	9.6	
29-Oct-20	7.5	338	8.1	7.6	

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	DO
		6.5 - 8.5	nc	nc	a
SW15 (cont'd)	27-Nov-20	8.1	529	5.2	11.6
	22-Dec-20	8.0	529	2.1	12.9
	27-Jan-21 (2)				
	22-Feb-21 (2)				
	29-Mar-21	8.0	436	6.9	8.6
	27-Apr-21	8.4	358	8.1	10.5
	27-May-21	8.0	553	11.8	10.5
	22-Jun-21 (1)				
	22-Jul-21	8.1	592	17.6	9.0
	25-Aug-21 (3)				
	28-Sep-21 (3)				
	26-Oct-21 (3)				
	23-Nov-21 (2)				
	21-Dec-21 (3)				
	24-Jan-22 (2)				
	8-Feb-22 (2)				
	16-Mar-22 (2)				
	21-Apr-22	7.5	594	4.2	9.1
	25-May-22 (1)				
	24-Jun-22 (1)				
	29-Aug-22 (1)				
	27-Sep-22 (1)				
	27-Oct-22 (1)				
	22-Nov-22 (1)				
	20-Dec-22	8.3	270	1.6	10.5
	24-Jan-23	7.8	496	1.4	13.0
	22-Feb-23	7.7	509	0.9	13.1
	27-Mar-23	8.9	396	3.3	11.0
	21-Apr-23	7.9	468	7.8	10.3
	15-May-23	8.0	517	12.4	9.7
	26-Jun-23 (1)				
	25-Jul-23	8.1	477	18.7	8.1
29-Aug-23 (1)					
25-Sep-23 (1)					
31-Oct-23 (1)					
29-Nov-23	7.7	559	2.0	12.2	
18-Dec-23	7.7	588	4.4	10.9	
SW16	22-May-03			15.0	
	23-Jun-03			19.4	
	10-Feb-04 (2)				
	19-Apr-04	8.0	251	12.6	
	19-May-04	7.6	372	12.4	7.7
	24-Jun-04	7.3	423	14.9	3.5
	29-Jul-04	7.3	481	16.4	5.1
	20-Oct-04	7.4	386	7.9	8.2
	17-Nov-04	7.2	337	5.9	8.6
	15-Dec-04 (2)				
	16-Jan-05 (2)				
	13-Feb-05 (2)				
29-Mar-05	7.6	344	2.9	11.9	

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	DO
		6.5 - 8.5	nc	nc	a
SW16 (cont'd)	11-Apr-05	7.5	232	8.5	
	24-May-05	7.5	359	12.3	8.9
	27-Jun-05	7.6	488	19.1	7.8
	11-Jul-05	6.8	524	20.0	5.7
	22-Aug-05	8.3	492	15.2	7.2
	27-Sep-05	7.5	563	13.2	7.0
	24-Oct-05	8.9	1,065	8.6	8.4
	14-Nov-05	8.2	527	5.7	10.7
	12-Dec-05	8.0	303	2.0	9.1
	17-Jan-06	6.4	180	0.4	13.4
	19-Feb-06 (2)				
	22-Mar-06	8.4	227	1.4	
	18-Apr-06	8.0	334	11.5	
	23-May-06	7.8	417	11.5	
	20-Jun-06	7.4	529	16.1	
	11-Jul-06	7.5	577	18.3	
	20-Aug-06 (1)				
	17-Sep-06 (1)				
	19-Oct-06	7.6	277	10.4	
	27-Nov-06	7.6	440	6.4	8.2
	17-Dec-06	7.7	451	2.5	12.4
	21-Jan-07 (2)				
	18-Feb-07 (2)				
	18-Mar-07	8.1	409	0.2	13.6
	16-Apr-07	8.3	397	2.8	12.4
	13-May-07	8.0	432	10.1	7.0
	15-Jul-07 (1)				
	19-Aug-07 (1)				
	16-Sep-07 (1)				
	14-Oct-07 (1)				
	19-Nov-07	7.8	576	4.6	8.4
	9-Dec-07 (2)				
	21-Jan-08	7.4	355	0.1	6.0
	19-Feb-08	7.7	115	0.2	10.7
	17-Mar-08	6.6	433	0.5	14.3
	1-Apr-08	7.3	207	0.7	
	23-Apr-08	8.0	324	13.0	
	21-May-08	7.7	394	8.9	6.4
	18-Jun-08	7.6	466	13.7	4.4
	15-Jul-08	7.1	537	15.2	4.0
18-Aug-08	7.5	590	10.1	3.0	
17-Sep-08	8.3	497	12.2	5.6	
20-Oct-08	7.2	445	8.8	6.5	
23-Nov-08 (2)					
14-Dec-08	7.8	349	1.1	8.7	
18-Jan-09 (2)					
8-Feb-09	8.4	385	0.8	10.6	
15-Mar-09	8.5	343	3.5		
12-Apr-09	8.8	346	12.2		
17-May-09	8.1	352	20.4	7.1	

**Table C-3 Surface Water Field Chemical Results**

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	DO
		6.5 - 8.5	nc	nc	a
SW16 (cont'd)	14-Jun-09	7.7	865	16.5	6.6
	12-Jul-09	8.2	484	12.1	7.8
	9-Aug-09 (1)				
	13-Sep-09 (1)				
	11-Oct-09	7.2	478	6.9	11.0
	15-Nov-09	7.4	424	3.7	
	13-Dec-09 (2)				
	17-Jan-10 (2)				
	7-Feb-10 (2)				
	14-Mar-10	8.0	357	1.5	13.7
	4-Apr-10				
	11-Apr-10	7.7	406	11.7	11.1
	16-May-10	8.2	339	15.1	9.0
	23-May-10				
	13-Jun-10	8.0	371	16.6	9.7
	18-Jul-10	8.0	366	17.0	10.4
	15-Aug-10	7.6	421	16.2	4.9
	12-Sep-10 (1)				
	17-Oct-10	7.7	328	7.4	7.9
	14-Nov-10	7.8	269	5.8	10.1
	19-Dec-10	8.1	151	0.8	11.9
	16-Jan-11	8.2	225	0.3	11.7
	20-Feb-11				
	13-Mar-11	8.1	185	1.1	11.8
	17-Mar-11				
	18-Mar-11				
	20-Mar-11				
	1-Apr-11				
	5-Apr-11				
	8-Apr-11				
	12-Apr-11				
	15-Apr-11				
	17-Apr-11	8.1	240	3.4	14.2
	20-Apr-11				
	21-Apr-11				
	26-Apr-11				
	29-Apr-11				
	3-May-11				
	6-May-11				
	10-May-11				
13-May-11					
15-May-11	8.0	240	8.8	12.5	
16-May-11					
18-May-11					
19-May-11					
20-May-11					
27-May-11					
3-Jun-11					
12-Jun-11	8.0	298	13.8	8.3	
17-Jul-11	8.2	423	20.0	8.3	

**Table C-3 Surface Water Field Chemical Results**

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
SW16 (cont'd)	14-Aug-11	8.2	296	16.1	5.6
	18-Sep-11	8.3	302	12.8	6.2
	16-Oct-11	7.7	193	9.5	7.3
	20-Nov-11	8.0	273	2.3	11.8
	19-Dec-11	7.5	134	0.3	11.5
	15-Jan-12 (2)				
	19-Feb-12	7.9	204	1.0	13.2
	18-Mar-12	8.1	168	15.8	8.2
	15-Apr-12	8.3	285	6.6	10.4
	13-May-12	8.2	333	14.2	7.7
	17-Jun-12	8.2	443	9.4	8.9
	16-Jul-12	8.4	401	20.7	1.8
	14-Aug-12	8.2	320	15.4	6.1
	18-Sep-12	7.4	380	13.9	6.7
	17-Oct-12	6.7	321	10.6	6.7
	20-Nov-12	7.7	293	6.0	7.6
	18-Dec-12	7.2		4.0	8.0
	16-Jan-13	7.8	207	0.2	10.7
	17-Feb-13 (2)				
	17-Mar-13 (2)				
	16-Apr-13	8.1	227	6.6	10.0
	13-May-13	8.2	266	11.3	5.6
	19-Jun-13	7.9	301	13.3	7.3
	16-Jul-13	8.1	440	18.0	4.9
	21-Aug-13	8.5	400	17.0	1.1
	18-Sep-13	8.9	344	11.3	8.4
	16-Oct-13	8.8	368	13.1	5.0
	19-Nov-13	8.0	263	2.7	2.5
	18-Dec-13	8.1	241	0.8	5.6
	19-Jan-14 (2)				
	16-Feb-14 (2)				
	16-Mar-14 (2)				
	16-Apr-14	7.9	131	(0)	12.6
	13-May-14	8.0	302	13.2	10.1
	17-Jun-14	7.5	400	15.5	8.0
	15-Jul-14	8.8	259	14.0	4.4
	19-Aug-14	8.3	428	13.2	7.5
	9-Sep-14	8.4	474	14.8	4.5
	23-Oct-14	8.0	369	6.8	6.9
	16-Nov-14 (2)				
16-Dec-14	8.6	250	1.1		
18-Jan-15 (2)					
15-Feb-15 (2)					
15-Mar-15 (2)					
22-Apr-15	8.2	281	6.5	12.2	
19-May-15	7.8	322	13.7	13.2	
15-Jun-15	7.7	381	14.9	6.4	
21-Jul-15	7.9	419	16.3		
11-Aug-15	7.6	428	15.3	5.8	
25-Aug-15	8.2	368	15.5	5.2	

**Table C-3 Surface Water Field Chemical Results**

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	DO
		6.5 - 8.5	nc	nc	a
SW16 (cont'd)	8-Sep-15	7.5	469	18.3	3.9
	15-Oct-15	7.4	344	9.7	6.4
	8-Nov-15				
	18-Nov-15	7.5	352	7.4	9.9
	8-Dec-15	7.7	312	3.7	16.5
	19-Jan-16	7.6	234	(0)	13.2
	17-Feb-16	7.6	162	0.0	13.4
	15-Mar-16	7.9	220	4.6	13.1
	21-Apr-16	8.0	263	6.7	11.8
	18-May-16	8.2	345	9.0	8.4
	22-Jun-16	7.7	413	14.9	4.8
	3-Jul-16				
	20-Jul-16	7.9	481	15.8	4.3
	7-Aug-16				
	24-Aug-16	7.8	483	17.2	2.8
	19-Sep-16	7.4	452	15.1	2.9
	18-Oct-16	7.5	434	14.0	5.6
	25-Oct-16	7.5	283	4.2	9.9
	15-Nov-16	7.6	337	6.8	6.6
	12-Dec-16	7.3	412	0.5	10.8
	24-Jan-17	8.2	260	2.2	12.2
	16-Feb-17	8.0	272	0.1	14.2
	21-Mar-17	8.3	285	3.7	11.5
	19-Apr-17	7.8	305	11.1	11.1
	9-May-17	8.3	283	9.2	11.8
	16-May-17	8.0	392	11.5	6.6
	28-Jun-17	8.0	398	13.9	8.8
	7-Jul-17				
	19-Jul-17	7.9	454	15.7	4.6
	27-Jul-17				
	15-Aug-17	8.5	356	15.8	5.2
	18-Sep-17	7.9	425	15.6	4.9
	17-Oct-17	8.0	365	10.1	8.1
	14-Nov-17	8.2	299	4.2	8.3
	12-Dec-17 (2)				
	17-Jan-18 (2)				
24-Feb-18	8.0	199	0.6	15.6	
21-Mar-18	7.7	262	(0)	14.8	
19-Apr-18	7.6	230	0.4	13.3	
8-May-18	8.1	388	13.8	8.8	
15-May-18	7.9	334	12.1	8.6	
18-Jun-18	7.6	485	12.9	4.8	
19-Jul-18	7.5	483	13.5	5.4	
23-Aug-18	7.6	465	15.6	5.3	
19-Sep-18	7.6	468	14.2	5.2	
25-Oct-18	7.6	461	4.2	10.9	
22-Nov-18	7.8	437	0.2	11.8	
13-Dec-18	8.1		0.9	12.0	
19-Jan-19	7.9	447	0.0	12.1	
28-Feb-19 (2)					



Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
SW16 (cont'd)	19-Mar-19 (1)				
	25-Apr-19	8.2	210	6.6	10.8
	14-May-19	8.4	319	8.9	10.7
	27-May-19	8.0	370	11.0	8.8
	21-Jun-19	7.8	413	12.3	6.8
	30-Jul-19	7.6	422	17.7	4.2
	30-Aug-19	7.7	442	19.1	5.6
	27-Sep-19	7.5	389	18.3	6.8
	22-Oct-19	7.6	398	10.2	5.9
	21-Nov-19	8.0	401	0.9	8.3
	20-Dec-19	8.1	416	0.3	8.8
	24-Jan-20 (2)				
	21-Feb-20 (2)				
	25-Mar-20 (1)	7.9	348	6.7	11.8
	28-Apr-20				
	20-May-20	8.1	420	10.3	9.3
	28-May-20	8.5	263	16.1	7.8
	24-Jun-20	8.1	376	15.5	7.4
	31-Jul-20	7.8	480	18.8	4.6
	26-Aug-20 (1)	7.4	459	18.6	3.8
	26-Sep-20	7.8	360	10.9	4.4
	29-Oct-20	7.3	378	9.3	6.3
	27-Nov-20	8.1	450	5.2	11.1
	22-Dec-20 (2)				
	27-Jan-21 (2)				
	22-Feb-21 (2)				
	29-Mar-21	8.3	362	7.8	11.4
	27-Apr-21	8.3	342	7.8	12.3
	26-May-21	7.5	471	16.5	6.3
	27-May-21	7.5	471	16.5	6.3
	22-Jun-21	7.5	501	15.3	5.8
	22-Jul-21	7.8	478	16.1	6.1
	25-Aug-21	7.2	518	19.0	3.9
	28-Sep-21	7.9	488	12.7	8.4
	26-Oct-21 (3)				
	23-Nov-21 (2)				
	21-Dec-21 (2)				
	24-Jan-22 (2)				
	8-Feb-22 (2)				
	16-Mar-22 (2)				
21-Apr-22	7.4	359	1.6	9.2	
25-May-22 (1)	7.6	471	11.8	8.3	
24-Jun-22 (1)	7.2	557	13.1	9.9	
29-Aug-22 (1)	7.5	503	13.1	10.0	
27-Sep-22	7.6	568	12.7	7.5	
27-Oct-22	7.6	371	8.7	4.1	
23-Nov-22	7.9	307	2.2	6.7	
21-Dec-22 (1)					
24-Jan-23 (2)	7.9	249	0.2	12.7	
22-Feb-23	8.1	152	0.0	12.8	

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
SW16 (cont'd)	28-Mar-23	8.9	383	1.1	11.6
	21-Apr-23	7.7	375	8.5	10.2
	16-May-23	8.0	405	14.9	8.0
	26-Jun-23	8.3	326	23.3	5.3
	25-Jul-23 (1)				
	29-Aug-23 (1)				
	25-Sep-23 (1)				
	30-Oct-23	8.2	337	7.3	2.2
	29-Nov-23 (1)				
18-Dec-23 (1)					
SW17	22-May-03			15.0	
	10-Feb-04		315	1.0	11.6
	17-Mar-04		432	2.5	10.3
	19-Apr-04	8.2	276	9.9	
	19-May-04	8.2	386	15.6	
	24-Jun-04	8.1	430	17.8	8.2
	29-Jul-04	7.9	436	19.3	7.4
	26-Aug-04	7.9	435	17.2	
	22-Sep-04	7.9	417	16.5	8.7
	20-Oct-04	7.9	336	8.3	11.3
	17-Nov-04	7.8	320	5.3	
	16-Jan-05 (2)				
	13-Feb-05 (2)				
	29-Mar-05	7.8	297	2.7	
	11-Apr-05	7.5	284	7.2	
	24-May-05	7.7	350	13.4	9.6
	27-Jun-05	7.5	452	21.4	8.5
	11-Jul-05	6.8	477	22.3	6.6
	22-Aug-05	8.4	431	18.5	7.8
	27-Sep-05	7.4	409	15.4	8.5
	24-Oct-05	7.9	475	8.4	11.6
	14-Nov-05	7.8	353	6.3	11.2
	12-Dec-05	8.5	324	1.4	12.3
	16-Dec-05	8.0	264	1.5	
	17-Jan-06	7.0	275	2.4	13.6
	19-Feb-06 (2)				
	21-Mar-06	8.5	348	3.5	
	18-Apr-06	8.4	341	10.2	
	23-May-06	8.1	419	10.1	
	20-Jun-06	7.8	387	18.9	
	11-Jul-06	7.8	369	20.4	
	23-Aug-06	7.3	409	17.2	
	20-Sep-06	7.4	414	14.3	
19-Oct-06	7.3	413	10.8		
27-Nov-06	8.1	470	6.0		
17-Dec-06	7.9	512	4.7		
21-Jan-07	7.7	504	1.8	13.6	
18-Feb-07 (2)					
18-Mar-07	8.3	431	2.3		
16-Apr-07	8.4	411	4.4		

**Table C-3 Surface Water Field Chemical Results**

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	DO
		6.5 - 8.5	nc	nc	a
SW17 (cont'd)	13-May-07	8.3	405	13.3	10.1
	17-Jun-07	8.1	472	21.1	7.0
	15-Jul-07	7.8	499	19.7	6.9
	19-Aug-07	7.8	520	18.1	6.4
	17-Sep-07	7.7	397	14.0	8.1
	18-Oct-07	7.8	400	12.8	8.3
	19-Nov-07	7.9	515	3.8	11.7
	9-Dec-07 (2)				
	21-Jan-08	7.5	423	2.8	12.7
	19-Feb-08	7.9	431	2.2	
	17-Mar-08	6.9	462	1.8	
	1-Apr-08	7.7	301	2.6	
	23-Apr-08	7.8	362	12.0	8.5
	6-May-08	6.7	411	9.6	10.6
	21-May-08	7.3	374	10.6	9.3
	17-Jun-08	7.6	406	16.4	6.9
	15-Jul-08	6.9	563	14.9	7.0
	18-Aug-08	7.3	456	21.2	4.1
	16-Sep-08	8.0	419	15.1	7.1
	21-Oct-08	7.9	424	7.7	8.6
	23-Nov-08	7.8	486	3.5	9.8
	14-Dec-08	7.6	365	2.6	7.6
	18-Jan-09	8.5			
	8-Feb-09	8.5	430	1.6	9.9
	15-Mar-09	8.8	379	4.5	
	12-Apr-09	8.4	407	8.7	
	17-May-09	8.2	349	16.0	9.2
	14-Jun-09	7.7	802	17.0	8.5
	12-Jul-09	8.0	437	16.9	8.1
	9-Aug-09	5.7	424	19.7	6.9
	13-Sep-09	8.4	411	17.3	8.3
	11-Oct-09	7.2	457	7.9	
	15-Nov-09	7.4	439	4.6	
	13-Dec-09	7.7	443	1.4	12.9
	17-Jan-10 (2)				
	7-Feb-10	7.8	425	0.0	11.5
	14-Mar-10	7.9	424	3.6	13.7
	4-Apr-10				
	11-Apr-10	8.0	415	7.9	
	16-May-10	8.2	313	12.3	10.1
23-May-10					
13-Jun-10	8.1	359	17.1	11.2	
18-Jul-10	8.1	404	19.5	11.0	
15-Aug-10	8.1	421	19.8	7.7	
12-Sep-10	7.9	381	14.9	8.4	
17-Oct-10	7.9	320	8.7	10.3	
14-Nov-10	8.2	274	5.1	12.9	
19-Dec-10	8.4	244	1.7	11.8	
16-Jan-11	8.0	255	1.6	12.7	
20-Feb-11					

**Table C-3 Surface Water Field Chemical Results**

Surface Water Station	PWQO	pH (su)	EC (µS/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
SW17 (cont'd)	13-Mar-11	8.3	253	2.4	12.8
	17-Mar-11				
	18-Mar-11				
	20-Mar-11	8.3	291	3.6	12.4
	1-Apr-11				
	5-Apr-11				
	8-Apr-11				
	12-Apr-11				
	15-Apr-11				
	17-Apr-11	8.3	264	4.7	13.7
	20-Apr-11				
	21-Apr-11				
	26-Apr-11				
	29-Apr-11				
	3-May-11				
	6-May-11				
	10-May-11				
	13-May-11				
	15-May-11	7.6	241	9.0	12.0
	16-May-11				
	18-May-11				
	19-May-11				
	20-May-11				
	27-May-11				
	3-Jun-11				
	12-Jun-11	8.1	303	14.9	4.4
	17-Jul-11	7.8	415	22.9	8.1
	14-Aug-11	8.2	285	18.5	7.3
	18-Sep-11	8.1	261	13.4	8.3
	16-Oct-11	8.0	300	10.2	9.8
	20-Nov-11	7.6	271	3.1	13.2
	18-Dec-11	8.2	218	2.9	12.6
	15-Jan-12	8.3	201	1.6	13.4
	19-Feb-12	8.1	226	1.6	13.7
18-Mar-12	8.2	276	11.0	10.5	
15-Apr-12	8.5	301	9.2	10.3	
13-May-12	8.0	322	14.0	9.2	
17-Jun-12	8.1	419	20.8	12.6	
16-Jul-12	8.1	450	23.0	5.5	
14-Aug-12	8.0	279	18.6	7.0	
18-Sep-12	7.3	336	15.9	7.2	
17-Oct-12	6.7	264	8.7	7.6	
20-Nov-12	7.9	299	4.6	9.3	
18-Dec-12	7.4	634	4.0	11.1	
16-Jan-13	7.8	326	3.6	10.2	
20-Feb-13	7.9	258	1.8	14.6	
20-Mar-13	8.0	251	2.3	6.0	
16-Apr-13	7.9	259	5.8	9.7	
13-May-13	8.2	232	10.6	8.9	
19-Jun-13	8.2	344	16.4	8.1	

**Table C-3 Surface Water Field Chemical Results**

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
SW17 (cont'd)	16-Jul-13	8.0	416	22.3	5.9
	21-Aug-13	8.2	378	19.5	6.0
	18-Sep-13	8.0	322	13.6	8.9
	16-Oct-13	8.3	365	11.3	5.7
	19-Nov-13	8.2	293	4.2	2.6
	15-Dec-13 (2)				
	19-Jan-14 (2)				
	16-Feb-14 (2)				
	16-Mar-14 (2)				
	16-Apr-14	8.1	274	3.2	10.4
	12-May-14	8.0	346	11.0	10.0
	17-Jun-14	8.1	366	17.9	10.6
	15-Jul-14	8.7	398	18.3	4.3
	19-Aug-14	8.4	412	16.0	5.7
	9-Sep-14	8.5	430	17.8	2.1
	23-Oct-14	8.6	381	8.2	8.3
	16-Nov-14 (2)				
	16-Dec-14	8.2	317	2.5	
	18-Jan-15 (2)				
	15-Feb-15 (3)				
	15-Mar-15 (2)				
	22-Apr-15	8.1	328	7.6	12.2
	19-May-15	8.3	404	15.1	
	15-Jun-15	8.0	387	17.7	7.5
	21-Jul-15	8.4	403	19.5	
	11-Aug-15	8.1	416	19.0	7.9
	25-Aug-15	8.1	373	18.8	7.0
	8-Sep-15	7.8	436	21.6	5.6
	15-Oct-15	7.9	321	11.2	9.4
	8-Nov-15				
	18-Nov-15	8.0	330	5.6	11.5
	8-Dec-15	8.2	313	3.0	21.2
	19-Jan-16	8.1	270	1.1	15.8
	17-Feb-16	8.0	301	1.6	14.9
	15-Mar-16	8.0	273	5.1	13.6
	21-Apr-16	7.9	298	9.2	11.9
	18-May-16	8.4	339	10.9	11.3
	22-Jun-16	8.2	393	19.4	8.1
	3-Jul-16				
	20-Jul-16	8.4	420	20.6	7.7
7-Aug-16					
24-Aug-16	8.2	389	20.6	7.8	
19-Sep-16	7.9	382	18.3	7.7	
18-Oct-16	7.6	337	14.5	12.5	
25-Oct-16	7.9	309	8.4	11.5	
15-Nov-16	7.9	464	6.6	11.5	
12-Dec-16	8.0	398	1.6	13.8	
24-Jan-17	8.0	295	2.5	13.7	
16-Feb-17	8.1	311	1.5	15.3	
21-Mar-17	8.4	333	4.2	12.1	

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
SW17 (cont'd)	19-Apr-17	7.9	306	9.1	13.3
	9-May-17	8.3	234	7.1	14.1
	16-May-17	8.8	367	16.4	9.6
	28-Jun-17	8.2	377	15.6	9.2
	7-Jul-17				
	19-Jul-17	7.9	428	18.9	7.8
	27-Jul-17				
	15-Aug-17	8.6	340	19.0	7.3
	18-Sep-17	8.1	378	17.6	7.8
	17-Oct-17	8.1	355	11.6	9.9
	14-Nov-17	8.3	325	3.4	9.4
	14-Dec-17	8.0	327	2.2	14.6
	18-Jan-18	7.8	304	2.0	9.4
	24-Feb-18	8.0	264	3.1	13.1
	21-Mar-18	8.2	286	2.5	14.8
	19-Apr-18	8.0	264	2.2	12.3
	8-May-18	8.3	413	12.3	10.3
	15-May-18	8.2	411	13.8	9.2
	18-Jun-18	8.1	435	18.7	7.4
	19-Jul-18	8.0	445	20.1	7.0
	23-Aug-18	8.0	429	19.6	7.4
	19-Sep-18	7.8	444	17.1	7.1
	25-Oct-18	8.0	442	5.9	10.8
	22-Nov-18	7.9		2.4	11.9
	13-Dec-18	8.0	497	3.5	11.6
	19-Jan-19	8.0	490	2.6	12.3
	28-Feb-19 (2)				
	19-Mar-19	8.3	432	2.5	12.7
	25-Apr-19	8.4	353	8.2	10.7
	14-May-19	8.4	362	8.8	10.8
	27-May-19	8.3	373	12.1	9.7
	21-Jun-19	8.1	407	15.0	8.2
	30-Jul-19	7.8	423	21.5	6.6
	30-Aug-19	7.9	405	18.4	7.0
	27-Sep-19	8.0	405	16.8	5.6
	22-Oct-19	8.0	413	10.7	5.9
	21-Nov-19	7.7	438	2.2	6.3
	20-Dec-19 (2)				
	24-Jan-20	8.2	446	3.3	12.5
	21-Feb-20 (2)				
25-Mar-20	8.3	407	7.5	11.5	
28-Apr-20	8.5	368	6.2	12.0	
20-May-20	8.2	450	11.1	10.3	
28-May-20	8.6	375	17.8	8.3	
24-Jun-20	8.4	368	18.4	7.8	
31-Jul-20	8.4	432	22.1	6.9	
26-Aug-20	8.3	398	15.0	9.6	
26-Sep-20	8.2	370	12.9	10.1	
29-Oct-20	8.0	402	7.4	5.9	
27-Nov-20	8.0	500	4.9	11.5	

**Table C-3 Surface Water Field Chemical Results**

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
SW17 (cont'd)	22-Dec-20	7.9	505	3.7	11.9
	27-Jan-21	7.7	458	1.1	12.8
	22-Feb-21 (2)				
	29-Mar-21	8.0	371	6.6	11.8
	27-Apr-21	8.2	367	7.3	12.5
	26-May-21	8.2	428	18.3	8.4
	27-May-21	8.2	428	18.3	8.4
	22-Jun-21	8.2	447	19.2	7.9
	22-Jul-21	8.1	435	20.2	7.9
	25-Aug-21	7.1	441	23.0	7.1
	28-Sep-21	7.9	449	12.5	9.8
	26-Oct-21 (3)				
	23-Nov-21	7.7	477		11.1
	21-Dec-21	7.8	469	3.8	12.2
	24-Jan-22	7.6	447	0.0	11.1
	8-Feb-22	7.9	581	0.1	10.4
	16-Mar-22	7.6	564	0.1	10.9
	21-Apr-22	8.1	479	2.5	11.6
	25-May-22	8.1	444	14.5	9.4
	24-Jun-22	7.9	549	10.5	10.2
	29-Aug-22	8.2	541	15.6	10.3
	29-Sep-22	8.2	374	13.1	9.7
	27-Oct-22	8.3	328	9.1	8.9
	23-Nov-22	8.4	315	2.9	10.4
	21-Dec-22	8.5	223	1.0	12.5
	24-Jan-23	8.1	532	1.8	13.4
	22-Feb-23	7.5	463	1.6	13.8
	28-Mar-23	8.9	436	2.5	12.7
	21-Apr-23	7.6	386	8.7	10.6
	16-May-23	8.2	412	13.3	9.4
	26-Jun-23	7.9	361	20.2	8.7
	25-Jul-23	8.1	387	18.2	8.0
29-Aug-23	7.9	386	17.4	7.2	
25-Sep-23	8.1	381	15.5	8.2	
30-Oct-23	8.3	315	9.1	10.5	
29-Nov-23	7.9	465	2.4	12.4	
18-Dec-23	7.9	499	3.4	11.8	
SW17A	22-May-03			11.0	
	23-Jun-03			12.7	
	10-Feb-04		295	2.3	11.3
	17-Mar-04		434	4.3	9.6
	19-Apr-04	8.2	266	10.8	
	19-May-04	8.2	341	11.0	
	24-Jun-04	8.2	338	11.2	
	29-Jul-04	8.1	332	11.9	10.7
	26-Aug-04	8.2	341	12.1	
	22-Sep-04	8.1	353	12.6	
	20-Oct-04	8.1	318	6.9	
	16-Nov-04	8.0	310	4.4	
16-Dec-04	8.1	272	1.5		

**Table C-3 Surface Water Field Chemical Results**

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	DO
		6.5 - 8.5	nc	nc	a
SW17A (cont'd)	16-Jan-05 (2)				
	13-Feb-05 (2)				
	29-Mar-05	8.0	315	6.8	
	11-Apr-05	7.6	275	8.9	
	24-May-05	7.7	324	9.2	
	27-Jun-05	7.7	382	13.5	
	11-Jul-05	6.8	381	14.2	10.1
	22-Aug-05	8.6	360	12.7	
	27-Sep-05	7.7	350	11.8	10.7
	24-Oct-05	7.8	427	7.4	
	14-Nov-05	8.6	323	6.3	12.4
	12-Dec-05	8.6	295	0.2	13.6
	17-Jan-06	7.7	267	2.4	13.2
	19-Feb-06 (2)				
	22-Mar-06	8.7	264	5.5	
	18-Apr-06	8.4	365	10.9	
	23-May-06	8.3	424	10.0	
	20-Jun-06	8.3	422	12.2	
	11-Jul-06	8.3	409	13.9	
	23-Aug-06	8.1	419	12.8	
	20-Sep-06	8.1	391	11.2	
	19-Oct-06	8.1	432	9.9	
	27-Nov-06	8.2	450	7.4	11.9
	17-Dec-06	8.1	496	4.5	
	21-Jan-07	7.9	473	1.0	
	18-Feb-07 (2)				
	18-Mar-07	8.3	430	3.6	
	16-Apr-07	8.4	404	4.6	
	13-May-07	8.3	408	9.0	
	17-Jun-07	8.3	452	13.3	10.4
	15-Jul-07	8.1	451	13.5	9.8
	19-Aug-07	8.3	422	14.9	9.1
	17-Sep-07	8.0	418	10.9	10.0
	18-Oct-07	8.0	432	11.2	9.6
	19-Nov-07	8.1	473	3.6	
	10-Dec-07	8.1	429	2.9	12.9
	21-Jan-08	7.6	395	3.3	
	19-Feb-08	7.9	434	2.6	
	17-Mar-08	6.6	450	1.5	
	1-Apr-08	7.6	355	4.4	
	23-Apr-08	7.9	324	10.4	8.3
	6-May-08	6.8	407	7.2	
21-May-08	7.3	386	7.1	10.6	
17-Jun-08	7.7	425	9.0	9.4	
15-Jul-08	7.0	454	11.2	8.4	
18-Aug-08	7.4	488	14.5	5.2	
16-Sep-08	8.2	331	10.2	8.4	
21-Oct-08	7.7	423	5.8	8.2	
23-Nov-08	7.8	458	4.7	9.6	
14-Dec-08	7.7	398	3.4	8.5	



Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
SW17A (cont'd)	18-Jan-09	8.6	445	1.9	11.3
	8-Feb-09	8.8	417	3.7	9.8
	15-Mar-09	8.8	366	5.9	
	12-Apr-09	8.4	396	10.9	
	17-May-09	8.3	338	16.3	
	14-Jun-09	7.7	808	12.4	
	12-Jul-09	8.4	441	10.5	
	9-Aug-09	6.1	443	12.9	10.3
	13-Sep-09	8.6	401	12.1	
	11-Oct-09	7.5	460	6.9	
	15-Nov-09	7.3	414	4.1	
	13-Dec-09	7.8	443	1.9	
	17-Jan-10	8.2	449	2.4	14.0
	7-Feb-10	8.3	459	1.3	11.3
	14-Mar-10	8.0	434	4.9	13.2
	4-Apr-10				
	11-Apr-10	8.0	405	6.3	
	16-May-10	8.3	320	11.0	10.9
	23-May-10				
	13-Jun-10	8.3	333	12.5	13.8
	18-Jul-10	8.2	351	12.8	12.0
	15-Aug-10	8.3	348	12.8	10.6
	12-Sep-10	8.2	333	11.0	10.5
	17-Oct-10	8.1	314	7.5	11.8
	14-Nov-10	8.3	276	5.6	9.1
	19-Dec-10	8.2	248	2.2	12.8
	16-Jan-11	8.4	263	3.3	12.7
	20-Feb-11	8.1	254	1.5	12.2
	13-Mar-11	8.2	262	4.0	11.9
	17-Mar-11				
	18-Mar-11				
	20-Mar-11	8.2	302	6.2	12.1
	1-Apr-11				
	5-Apr-11				
	8-Apr-11				
	12-Apr-11				
	15-Apr-11				
	17-Apr-11	8.4	255	6.6	12.4
	20-Apr-11				
	21-Apr-11				
26-Apr-11					
29-Apr-11					
3-May-11					
6-May-11					
10-May-11					
13-May-11					
15-May-11	7.5	233	7.2	13.0	
16-May-11					
18-May-11					
19-May-11					

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
SW17A (cont'd)	20-May-11				
	27-May-11				
	3-Jun-11				
	12-Jun-11	8.3	271	10.2	8.2
	17-Jul-11	8.0	250	13.9	8.4
	14-Aug-11	8.5	245	13.1	10.3
	18-Sep-11	8.1	276	11.4	10.3
	16-Oct-11	8.2	320	8.7	10.7
	20-Nov-11	7.5	278	3.1	14.1
	18-Dec-11	8.4	226	3.3	11.5
	15-Jan-12	8.5	216	2.0	13.7
	19-Feb-12	8.1	240	3.5	13.8
	20-Mar-12	8.3	258	12.1	10.0
	15-Apr-12	8.6	280	5.9	12.0
	13-May-12	8.3	311	10.6	11.5
	17-Jun-12	8.3	358	14.0	10.8
	16-Jul-12	8.7	381	16.0	7.3
	14-Aug-12	8.0	304	12.8	7.8
	18-Sep-12	7.2	340	11.8	9.8
	17-Oct-12	6.7	303	8.9	8.1
	20-Nov-12	7.9	317	6.7	9.4
	16-Dec-12	7.6	664	5.5	10.7
	16-Jan-13	8.1	318	3.0	11.9
	20-Feb-13	8.1	245	1.4	15.7
	20-Mar-13	8.2	246	3.3	6.6
	16-Apr-13	7.9	259	5.8	9.7
	13-May-13	8.4	277	9.0	6.4
	19-Jun-13	8.2	276	10.2	11.6
	16-Jul-13	8.0	360	13.8	9.5
	21-Aug-13	8.2	345	13.8	9.7
	18-Sep-13	7.9	314	9.7	11.9
	16-Oct-13	8.5	330	10.7	6.7
	19-Nov-13	7.9	298	3.9	2.4
	18-Dec-13	8.4	257	1.8	4.3
	19-Jan-14 (2)				
	16-Feb-14 (2)				
16-Mar-14 (2)					
16-Apr-14	8.0	237	4.0	10.5	
13-May-14	8.2	285	9.8	10.3	
17-Jun-14	8.3	312	11.5	13.3	
15-Jul-14	8.8	324	12.0	7.0	
19-Aug-14	8.5	358	11.0	8.5	
9-Sep-14	8.5	375	12.5	4.4	
23-Oct-14	8.0	375	6.9	8.1	
16-Nov-14 (2)					
16-Dec-14	8.6	334	3.9		
20-Jan-15	7.7	171	0.8	0.1	
15-Feb-15 (3)					
18-Mar-15	8.3	229	2.1	13.5	
22-Apr-15	8.2	302	6.7	12.7	

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	DO
		6.5 - 8.5	nc	nc	a
SW17A (cont'd)	19-May-15	8.4	304	11.5	
	15-Jun-15	8.1	365	12.0	9.8
	21-Jul-15	8.1	356	13.7	
	11-Aug-15	8.2	372	13.0	10.2
	25-Aug-15	8.2	323	12.8	10.5
	8-Sep-15	8.0	370	14.6	8.7
	15-Oct-15	8.1	320	9.8	10.7
	8-Nov-15				
	18-Nov-15	8.1	365	7.8	12.8
	8-Dec-15	8.2	339	5.0	20.5
	19-Jan-16	8.1	272	2.0	15.4
	17-Feb-16	8.0	292	3.0	14.1
	15-Mar-16	8.1	282	6.6	12.8
	21-Apr-16	8.1	264	6.1	13.3
	18-May-16	8.4	334	7.9	12.7
	22-Jun-16	8.4	367	14.0	10.8
	3-Jul-16				
	20-Jul-16	8.5	368	15.1	10.6
	7-Aug-16				
	24-Aug-16	8.5	376	16.0	10.6
	19-Sep-16	8.2	384	15.1	9.8
	18-Oct-16	7.8	335	13.2	13.5
	25-Oct-16	8.0	294	5.3	13.3
	15-Nov-16	8.2	326	7.2	12.5
	12-Dec-16	7.9	422	2.6	13.9
	24-Jan-17	8.3	320	4.1	13.0
	16-Feb-17	8.3	310	1.6	15.5
	21-Mar-17	8.4	353	7.1	11.7
	19-Apr-17	8.0	311	9.4	13.2
	9-May-17	8.4	238	8.7	13.5
	16-May-17	8.8	332	12.6	10.8
	28-Jun-17	8.3	350	10.6	11.6
	7-Jul-17				
	19-Jul-17	8.1	363	11.2	11.4
	27-Jul-17				
	15-Aug-17	8.8	287	11.8	11.8
	18-Sep-17	8.2	368	13.1	10.9
	17-Oct-17	8.3	357	9.4	11.3
	14-Nov-17	8.3	349	5.8	8.7
	14-Dec-17	8.1	315	2.2	14.8
18-Jan-18	7.9	299	1.9	10.0	
24-Feb-18	8.1	269	3.8	13.0	
21-Mar-18	8.2	212	1.6	14.8	
19-Apr-18	8.2	277	2.8	12.4	
8-May-18	8.4	393	12.1	10.3	
15-May-18	8.2	413	9.2	10.8	
18-Jun-18	8.3	453	9.8	10.7	
19-Jul-18	8.2	449	9.8	10.5	
23-Aug-18	8.4	452	13.0	10.1	
19-Sep-18	8.3	448	12.1	10.0	

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
SW17A (cont'd)	25-Oct-18	8.3	474	5.4	11.9
	22-Nov-18	8.2	486	1.7	13.4
	13-Dec-18	8.3	484	3.3	12.7
	19-Jan-19	8.3	476	1.2	13.6
	28-Feb-19 (2)				
	19-Mar-19	8.5	433	3.3	12.8
	25-Apr-19	8.4	313	6.1	11.5
	14-May-19	8.5	371	7.8	11.3
	27-May-19	8.5	384	8.4	11.2
	21-Jun-19	8.4	411	9.7	11.0
	30-Jul-19	8.2	412	13.3	9.7
	30-Aug-19	8.3	385	12.6	10.0
	27-Sep-19	8.2	442	14.2	8.9
	22-Oct-19	8.1	432	8.9	9.3
	21-Nov-19	8.1	397	1.9	7.1
	20-Dec-19 (2)				
	24-Jan-20	8.1	431	2.0	13.0
	21-Feb-20 (2)				
	25-Mar-20	8.2	417	5.9	11.9
	28-Apr-20	8.4	355	7.9	11.0
	20-May-20	8.3	440	9.6	11.1
	28-May-20	9.0	375	12.5	9.8
	24-Jun-20	8.6	421	11.5	10.2
	31-Jul-20	8.7	434	14.0	9.7
	26-Aug-20	8.1	405	22.0	6.9
	26-Sep-20	8.2	410	12.9	7.7
	29-Oct-20	7.8	417	8.1	8.2
	27-Nov-20	8.4	489	6.0	12.0
	22-Dec-20	12.8	492	3.9	8.3
	27-Jan-21	8.0	434	1.2	11.1
	22-Feb-21	7.6	405	0.1	11.9
	29-Mar-21	8.3	350	7.0	12.1
	27-Apr-21	8.4	359	8.4	11.8
	26-May-21	8.3	437	11.7	10.7
	27-May-21	8.3	437	11.7	10.7
	22-Jun-21	8.0	449	11.6	10.7
	22-Jul-21	8.4	457	13.2	10.4
	25-Aug-21	8.0	458	16.2	9.7
	28-Sep-21	8.1	489	10.0	11.2
	26-Oct-21 (3)				
23-Nov-21	8.1	469	4.0	10.5	
21-Dec-21	8.2	453	3.9	11.9	
24-Jan-22	8.1	425	0.0	10.5	
8-Feb-22	7.6	345	0.1	10.1	
16-Mar-22	7.6	531	1.0	10.3	
21-Apr-22	7.8	542	0.1	9.0	
26-May-22	8.3	453	10.4	11.2	
24-Jun-22	7.8	487	9.8	10.6	
29-Aug-22	8.2	467	12.4	10.6	
29-Sep-22	8.4	433	9.9	11.3	

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	DO
		6.5 - 8.5	nc	nc	a
SW17A (cont'd)	27-Oct-22	8.4	357	7.9	10.0
	23-Nov-22	8.7	340	4.0	10.7
	21-Dec-22	8.8	243	1.2	12.7
	24-Jan-23	8.2	435	3.1	13.3
	22-Feb-23	7.7	467	1.6	14.1
	28-Mar-23	9.0	448	3.5	12.5
	21-Apr-23	7.6	381	8.6	10.9
	16-May-23	8.3	409	10.5	10.4
	26-Jun-23	8.3	361	13.3	9.6
	25-Jul-23	8.4	409	12.4	10.0
	29-Aug-23	7.8	344	11.8	10.2
	25-Sep-23	8.5	424	12.0	10.1
	30-Oct-23	8.2	343	7.6	11.4
	29-Nov-23	7.9	511	2.4	12.8
18-Dec-23	8.1	512	5.3	11.6	
SW18	22-May-03			15.0	
	23-Jun-03			15.7	
	20-Aug-03			16.4	
	22-Oct-03	7.2	485	5.7	
	10-Feb-04		289	0.9	
	16-Mar-04	8.0	399	1.0	12.9
	19-Apr-04	8.3	272	11.1	
	19-May-04	8.2	365	13.4	
	24-Jun-04	8.2	335	13.6	
	29-Jul-04	8.2	355	15.9	
	26-Aug-04	8.2	341	15.2	
	22-Sep-04	8.2	350	14.7	10.1
	20-Oct-04	8.1	321	6.7	
	16-Nov-04	8.0	312	3.7	
	15-Dec-04 (2)				
	16-Jan-05 (2)				
	13-Feb-05 (2)				
	27-Mar-05 (2)				
	11-Apr-05	7.6	272	8.4	
	24-May-05	7.5	339	10.8	
	27-Jun-05	8.0	413	17.5	
	11-Jul-05	7.1	401	18.8	8.8
	22-Aug-05	8.7	344	15.0	9.6
	24-Oct-05	8.0	482	7.6	
	15-Nov-05	8.0	290	3.7	12.9
	11-Dec-05 (2)				
	17-Jan-06	7.7	234	0.2	
	20-Mar-06	8.1	275	3.4	
	18-Apr-06	8.5	346	12.1	
	23-May-06	8.3	427	10.7	
20-Jun-06	7.9	417	14.7		
11-Jul-06	8.3	391	17.3		
23-Aug-06	8.1	376	15.9		
20-Sep-06	8.1	370	11.9		
27-Sep-06	7.7	374	13.0	10.1	

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
SW18 (cont'd)	19-Oct-06	8.3	463	10.3	
	27-Nov-06	8.2	461	7.0	11.9
	17-Dec-06	8.2	487	2.8	
	21-Jan-07 (2)				
	18-Feb-07 (2)				
	18-Mar-07	8.3	421	2.6	
	17-Apr-07	8.5	403	6.6	
	13-May-07	8.2	413	8.4	
	17-Jun-07	8.3	439	16.3	9.4
	15-Jul-07	8.2	426	17.7	8.8
	19-Aug-07	8.2	394	19.3	8.0
	17-Sep-07	8.0	404	13.4	9.3
	19-Oct-07	8.3	437	14.9	7.1
	21-Nov-07	8.6	478	4.3	12.3
	12-Dec-07	8.0	435	0.9	14.1
	21-Jan-08	7.4	406	1.1	
	19-Feb-08	7.8	411	0.6	
	17-Mar-08	8.0	430	2.5	
	2-Apr-08	7.7	356	1.4	
	23-Apr-08	7.8	334	14.3	8.8
	6-May-08	7.4	415	8.6	11.2
	21-May-08	7.6	387	12.8	9.2
	18-Jun-08	8.0	325	12.9	8.4
	15-Jul-08	7.5	447	15.6	6.7
	18-Aug-08	7.8	492	18.8	4.5
	17-Sep-08	8.5	484	12.3	6.7
	20-Oct-08	7.8	440	9.0	7.7
	23-Nov-08	8.6	483	3.5	9.8
	14-Dec-08	7.0	379	2.1	8.2
	18-Jan-09 (2)				
	8-Feb-09		339	2.3	9.4
	15-Mar-09	8.7	353	6.4	
	12-Apr-09	8.5	356	11.1	
	17-May-09	8.5	345	15.0	10.3
	14-Jun-09	7.9	814	12.6	
	12-Jul-09	8.5	437	12.2	
	9-Aug-09	9.3	420	16.3	9.4
	13-Sep-09	8.0	385	14.7	10.3
	11-Oct-09	7.3	492	7.2	
	15-Nov-09	7.4	433	4.0	
13-Dec-09	7.9	490	2.2	12.4	
17-Jan-10 (2)					
7-Feb-10 (2)					
14-Mar-10	8.2	322	5.4	12.6	
4-Apr-10					
11-Apr-10	7.8	419	10.9	12.7	
16-May-10	8.4	311	9.8	11.2	
23-May-10					
13-Jun-10	8.3	347	14.0	12.9	
18-Jul-10	8.2	406	17.9	12.1	

Surface Water Station	PWQO	pH (su)	EC (µS/cm)	T (°C)	DO
		6.5 - 8.5	nc	nc	a
SW18 (cont'd)	15-Aug-10	8.3	370	15.5	10.2
	12-Sep-10	8.3	362	12.5	10.2
	17-Oct-10	8.2	340	7.6	12.1
	14-Nov-10	8.3	279	5.7	13.1
	19-Dec-10	8.3	249	1.9	14.1
	16-Jan-11				
	20-Feb-11				
	13-Mar-11	8.2	227	3.2	12.5
	17-Mar-11				
	18-Mar-11				
	20-Mar-11	8.2	279	3.5	13.0
	1-Apr-11				
	5-Apr-11				
	8-Apr-11				
	12-Apr-11				
	15-Apr-11				
	17-Apr-11	8.2	253	5.0	11.7
	20-Apr-11	8.2	197	3.6	10.7
	21-Apr-11				
	26-Apr-11				
	29-Apr-11				
	3-May-11				
	6-May-11				
	10-May-11				
	13-May-11				
	15-May-11	8.2	257	9.6	13.2
	16-May-11				
	18-May-11				
	19-May-11				
	20-May-11				
	27-May-11				
	3-Jun-11				
	12-Jun-11	8.4	284	12.1	11.7
	17-Jul-11	8.4	337	18.4	8.2
	14-Aug-11	8.4	251	16.1	9.5
	18-Sep-11	8.5	290	12.8	10.1
	16-Oct-11	8.2	330	9.4	9.8
	20-Nov-11	7.7	266	1.7	15.0
	18-Dec-11	8.4	210	3.0	13.3
	15-Jan-12 (2)				
19-Feb-12	7.7	221	1.7	13.4	
18-Mar-12	8.3	284	14.1	9.9	
15-Apr-12	8.5	234	6.8	12.0	
13-May-12	8.3	325	12.8	10.7	
17-Jun-12	8.3	376	17.9	8.2	
16-Jul-12	8.4	400	20.7	6.9	
14-Aug-12	8.3	442	16.1	7.6	
18-Sep-12	7.7	356	14.0	9.2	
17-Oct-12	6.9	328	10.1	8.2	
20-Nov-12	7.8	315	6.6	9.6	

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	DO
		6.5 - 8.5	nc	nc	a
SW18 (cont'd)	18-Dec-12	7.6	635	4.5	10.9
	16-Jan-13	8.2	301	1.8	10.9
	17-Feb-13 (2)				
	17-Mar-13 (2)				
	16-Apr-13	8.3	263	8.7	10.0
	13-May-13	8.4	290	10.7	9.2
	19-Jun-13	8.3	324	12.6	10.9
	16-Jul-13	8.2	383	17.6	8.5
	21-Aug-13	8.2	365	17.0	8.7
	18-Sep-13	8.4	321	11.0	11.2
	16-Oct-13	8.5	336	12.5	5.8
	19-Nov-13	8.6	293	3.8	2.8
	15-Dec-13 (2)				
	19-Jan-14 (2)				
	16-Feb-14 (2)				
	16-Mar-14 (2)				
	16-Apr-14	8.3	249	3.0	10.5
	13-May-14	8.0	309	12.2	11.0
	18-Jun-14	8.2	338	15.7	10.2
	15-Jul-14	7.8	325		7.9
	19-Aug-14	8.7	387	13.5	7.0
	9-Sep-14	8.8	412	15.3	4.2
	23-Oct-14	8.3	416	8.0	6.9
	16-Nov-14 (2)				
	17-Dec-14	8.9	295	2.4	
	18-Jan-15 (2)				
	15-Feb-15 (2)				
	15-Mar-15 (2)				
	22-Apr-15	8.2	320	7.1	13.0
	19-May-15	8.5	314	12.8	
	15-Jun-15	8.2	405	14.8	9.4
	21-Jul-15	8.4	379	16.5	
	11-Aug-15	8.2	393	15.9	8.7
	25-Aug-15	8.7	330	15.5	7.6
	8-Sep-15	8.0	383	18.9	7.2
	15-Oct-15	8.2	315	9.7	10.3
	8-Nov-15				
	18-Nov-15	8.2	373	8.0	13.0
	8-Dec-15	8.3	331	4.1	22.5
	19-Jan-16	8.1	266	(0)	9.0
17-Feb-16	8.2	289	1.3	15.0	
15-Mar-16	8.2	264	5.1	13.7	
21-Apr-16	8.2	276	7.0	13.2	
18-May-16	8.6	344	8.9	12.0	
22-Jun-16	8.5	364	14.7	10.3	
3-Jul-16					
20-Jul-16	8.6	373	16.4	9.7	
7-Aug-16					
24-Aug-16	8.6	373	18.0	8.9	
19-Sep-16	8.3	391	16.1	7.9	



Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
SW18 (cont'd)	18-Oct-16	8.4	411	15.1	12.7
	24-Oct-16	7.9	341	7.3	11.5
	15-Nov-16	8.2	339	7.1	11.7
	12-Dec-16	8.2	439	1.2	14.9
	25-Jan-17	8.3	288	2.6	14.0
	16-Feb-17	8.3	154	(0)	16.1
	21-Mar-17	8.4	330	5.5	12.3
	19-Apr-17	8.1	316	10.0	13.1
	9-May-17	8.5	248	8.8	13.3
	16-May-17	8.4	441	10.6	9.9
	28-Jun-17	8.2	385	13.2	10.7
	7-Jul-17				
	19-Jul-17	8.3	404	14.8	10.3
	27-Jul-17				
	15-Aug-17	8.9	321	15.4	10.6
	18-Sep-17	8.3	394	15.9	9.7
	17-Oct-17	8.3	404	10.9	10.6
	14-Nov-17	8.4	351	5.1	8.8
	14-Dec-17	8.1	282	0.3	8.9
	18-Jan-18	7.9	284	0.5	10.8
	24-Feb-18	8.4	274	4.0	14.0
	21-Mar-18	8.3	272	0.6	14.4
	19-Apr-18	8.3	230	1.8	12.9
	8-May-18	8.4	406	12.3	10.3
	15-May-18	8.3	394	11.4	10.2
	18-Jun-18	8.4	449	13.7	9.8
	19-Jul-18	8.3	424	15.0	9.5
	23-Aug-18	8.4	448	17.0	9.3
	19-Sep-18	8.4	430	14.0	9.5
	25-Oct-18	8.4	465	5.7	11.8
	22-Nov-18	8.2	103	0.0	14.9
	13-Dec-18	8.4	470	2.5	13.2
	19-Jan-19	8.1	408	0.5	13.6
	28-Feb-19 (2)				
	19-Mar-19	8.4	425	1.1	13.6
	25-Apr-19	8.3	262	6.7	11.3
	14-May-19	8.5	361	7.9	11.4
	27-May-19	8.5	383	10.0	10.9
	21-Jun-19	8.5	415	11.8	10.4
	30-Jul-19	8.4	420	17.3	8.8
30-Aug-19	8.3	369	14.5	9.5	
27-Sep-19	8.2	367	13.8	10.4	
22-Oct-19	8.2	386	9.1	9.9	
21-Nov-19	8.3	405	1.7	8.6	
20-Dec-19 (2)					
24-Jan-20 (2)					
21-Feb-20 (2)					
25-Mar-20 (2)					
28-Apr-20	8.5	360	7.8	11.6	
20-May-20	8.3	440	9.4	11.1	

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	DO
		6.5 - 8.5	nc	nc	a
SW18 (cont'd)	28-May-20	8.9	312	15.8	9.3
	24-Jun-20	8.6	414	14.7	9.4
	31-Jul-20	8.7	432	18.0	8.8
	26-Aug-20	8.5	389	18.3	8.7
	26-Sep-20	8.1	410	11.2	9.0
	29-Oct-20	8.0	364	8.2	8.6
	27-Nov-20	7.9	496	5.4	11.2
	22-Dec-20	8.3	484	2.8	13.5
	27-Jan-21 (2)				
	22-Feb-21 (2)				
	29-Mar-21	8.2	324	6.7	8.6
	27-Apr-21	8.4	358	7.2	11.6
	27-May-21	8.0	432	12.2	10.7
	22-Jun-21	8.3	441	13.7	10.2
	22-Jul-21 (3)				
	25-Aug-21 (3)				
	28-Sep-21 (3)				
	26-Oct-21 (3)				
	23-Nov-21 (2)				
	21-Dec-21 (3)				
	24-Jan-22 (2)				
	8-Feb-22 (2)				
	16-Mar-22 (2)				
	21-Apr-22	8.3	438	5.0	9.7
	26-May-22	8.2	446	15.7	9.9
	24-Jun-22	8.0	549	9.6	10.6
	29-Aug-22			16.3	
	27-Sep-22		455	12.0	11.6
	27-Oct-22	7.8	369	8.7	7.9
	22-Nov-22	8.2	316	0.5	11.4
	20-Dec-22	8.8	242	0.9	9.6
	24-Jan-23	8.2	427	1.6	14.1
	22-Feb-23	8.0	456	1.1	14.4
27-Mar-23	8.4	407	4.8	11.3	
21-Apr-23	8.4	348	7.4	11.3	
16-May-23			12.8		
26-Jun-23	8.3	347	17.0	9.4	
25-Jul-23	8.3	413	15.5	9.3	
29-Aug-23	7.9	397	15.5	4.0	
25-Sep-23	8.5	417	13.0	9.8	
31-Oct-23	8.3	339	5.8	12.3	
29-Nov-23	8.0	513	0.6	13.4	
18-Dec-23	8.1	518	4.4	11.9	
SW19	22-May-03			15.0	
	23-Jun-03			18.5	
	20-Aug-03			21.5	
	23-Oct-03	7.4	531	5.6	
	19-Dec-03				
	12-Feb-04		318	0.8	13.0
16-Mar-04	8.1	434	0.0	13.4	

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	DO
		6.5 - 8.5	nc	nc	a
SW19 (cont'd)	19-May-04	8.3	431	15.1	
	24-Jun-04	7.8	405	12.8	
	29-Jul-04	8.1	410	15.4	
	26-Aug-04	8.2	408	16.7	
	22-Sep-04	8.1	393	13.1	
	20-Oct-04	8.1	370	7.6	
	18-Nov-04	8.1	394	8.3	
	16-Dec-04	8.0	127	0.1	
	16-Jan-05 (2)				
	13-Feb-05 (2)				
	29-Mar-05	8.0	322	2.5	
	11-Apr-05	7.4	290	8.0	
	24-May-05	8.0	388	11.3	
	28-Jun-05	8.4	504	22.2	
	11-Jul-05	7.6	493	22.7	
	22-Aug-05	8.6	417	16.8	
	27-Sep-05	7.9	413	14.2	
	25-Oct-05	8.2	481	6.6	
	14-Nov-05	8.1	364	5.5	
	12-Dec-05	8.6	245	0.1	1.5
	16-Jan-06	8.2		0.1	1.6
	19-Feb-06 (2)				
	20-Mar-06	8.5	289	1.5	
	18-Apr-06	8.5	380	11.0	
	23-May-06	8.4	463	12.1	
	20-Jun-06	8.2	455	17.6	
	10-Jul-06	8.2	428	17.9	
	22-Aug-06	7.9	438	20.3	
	21-Sep-06	8.0	461	10.0	
	18-Oct-06	8.2	497	11.3	
	27-Nov-06	8.3	502	6.9	
	17-Dec-06	8.3	523	2.9	
	21-Jan-07	8.3	413	0.1	8.5
	18-Feb-07 (2)				
	18-Mar-07	8.3	461	0.1	
	16-Apr-07	8.4	452	3.3	
	13-May-07	8.6	444	16.0	9.9
	17-Jun-07	8.3	498	18.9	9.0
	15-Jul-07	8.0	488	16.5	9.6
	19-Aug-07	8.1	481	16.3	9.1
17-Sep-07	8.1	503	12.1	9.5	
19-Oct-07	8.0	465	13.6	9.4	
21-Nov-07	8.0	552	4.0	12.1	
12-Dec-07	7.8	495	0.5		
22-Jan-08	7.8	411	0.1		
20-Feb-08	7.5	232	0.1	6.4	
19-Mar-08	7.8	484	1.0		
2-Apr-08	7.7	365	2.7		
24-Apr-08	7.2	383	9.1	9.1	
21-May-08	7.8	430	9.1	10.0	

**Table C-3 Surface Water Field Chemical Results**

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
SW19 (cont'd)	18-Jun-08	8.3	478	13.5	8.8
	15-Jul-08	7.6	505	18.4	6.8
	19-Aug-08	8.0	542	16.5	5.6
	16-Sep-08	8.5	490	12.9	7.4
	22-Oct-08	8.0	493	5.0	7.8
	23-Nov-08 (2)				
	14-Dec-08	6.9	402	1.3	8.3
	18-Jan-09 (2)				
	8-Feb-09 (5)				
	15-Mar-09	8.8	361	6.0	
	12-Apr-09	7.7	433	6.9	
	17-May-09	8.6	407	12.5	
	14-Jun-09	8.4	701	14.0	
	12-Jul-09	8.5	492	13.7	10.5
	9-Aug-09	8.3	478	16.4	9.3
	13-Sep-09	7.0	454	11.4	
	11-Oct-09	7.7	541	4.4	12.8
	15-Nov-09	7.7	483	3.2	
	13-Dec-09	7.7	560	0.1	13.1
	17-Jan-10	8.3	524	0.2	12.1
	7-Feb-10 (2)				
	14-Mar-10	7.9	412	6.0	12.8
	4-Apr-10				
	11-Apr-10	8.2	460	10.5	13.7
	16-May-10	8.5	370	13.6	10.3
	23-May-10				
	13-Jun-10	8.4	394	15.8	12.6
	18-Jul-10	8.4	455	20.2	11.5
	15-Aug-10	8.3	412	15.9	10.2
	12-Sep-10	8.3	369	11.9	10.6
	17-Oct-10	8.3	373	7.4	12.2
	14-Nov-10	8.3	308	5.4	13.4
	19-Dec-10	8.6	269	0.8	14.1
	16-Jan-11				
	20-Feb-11	8.2	271	(0)	10.8
	13-Mar-11	8.4	271	2.6	14.9
17-Mar-11					
18-Mar-11					
20-Mar-11	8.4	304	3.7	13.5	
1-Apr-11					
5-Apr-11					
8-Apr-11					
12-Apr-11					
15-Apr-11					
17-Apr-11	8.2	251	3.8	10.5	
20-Apr-11					
21-Apr-11					
26-Apr-11					
29-Apr-11					
3-May-11					

**Table C-3 Surface Water Field Chemical Results**

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	DO
		6.5 - 8.5	nc	nc	a
SW19 (cont'd)	6-May-11				
	10-May-11				
	13-May-11				
	15-May-11	8.6	301	10.3	12.0
	16-May-11				
	18-May-11				
	19-May-11				
	20-May-11				
	27-May-11				
	3-Jun-11				
	12-Jun-11	8.6	338	13.8	9.8
	17-Jul-11	8.4	422	21.2	10.4
	14-Aug-11	8.7	297	17.7	9.6
	18-Sep-11	8.8	324	13.3	11.3
	16-Oct-11	8.2	385	9.8	11.0
	20-Nov-11	8.2	313	3.1	13.7
	18-Dec-11	8.9	223	1.3	13.5
	15-Jan-12 (2)				
	19-Feb-12	8.2	240	1.2	12.4
	18-Mar-12	8.4	307	13.9	7.8
	15-Apr-12	9.0	303	5.2	15.5
	13-May-12	8.3	345	11.6	12.4
	17-Jun-12	8.4	445	21.2	6.8
	16-Jul-12	8.4	440	20.7	8.2
	15-Aug-12	8.6	440	15.8	7.0
	19-Sep-12	7.9	370	10.7	10.9
	18-Oct-12	8.3	359	10.6	8.9
	21-Nov-12	8.5	286	5.5	4.5
	18-Dec-12	7.8	678	4.1	9.8
	15-Jan-13	8.1	314	1.4	12.4
	17-Feb-13 (2)				
	19-Mar-13	8.2	219	(0)	12.8
	16-Apr-13	8.1	262	5.8	10.2
	14-May-13	8.3	294	6.9	9.5
	19-Jun-13	8.5	323	11.3	12.3
	17-Jul-13	8.2	420	20.5	8.8
	20-Aug-13	8.4	421	18.2	10.5
	18-Sep-13	8.4	421	12.5	10.5
	17-Oct-13	8.5	378	11.4	6.0
	20-Nov-13	8.0	305	2.6	4.1
15-Dec-13 (2)					
19-Jan-14 (2)					
16-Feb-14 (2)					
16-Mar-14 (2)					
16-Apr-14	8.4	282	4.4	10.3	
13-May-14	8.6	354	14.2	10.3	
18-Jun-14	8.3	354	15.5	10.7	
15-Jul-14	7.8	410	17.0	8.5	
19-Aug-14	8.6	445	13.8	5.4	
9-Sep-14	8.5	459	15.4	5.0	

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	DO
		6.5 - 8.5	nc	nc	a
SW19 (cont'd)	21-Oct-14	8.3	451	10.3	6.0
	16-Nov-14 (3)				
	14-Dec-14 (3)				
	18-Jan-15 (3)				
	15-Feb-15 (3)				
	15-Mar-15 (3)				
	23-Apr-15	8.4	306	3.2	15.4
	20-May-15	8.4	334	12.2	14.0
	15-Jun-15	8.4	423	16.5	9.0
	21-Jul-15	8.4	470	19.0	
	12-Aug-15	8.3	412	15.4	10.1
	23-Aug-15				
	9-Sep-15	8.0	409	18.7	5.2
	16-Oct-15	8.1	343	8.4	11.9
	8-Nov-15				
	19-Nov-15	8.1	433	9.1	13.7
	8-Dec-15	8.3	356	3.8	23.1
	19-Jan-16	8.1	266	(0)	9.0
	14-Feb-16 (2)				
	13-Mar-16 (5)				
	21-Apr-16	8.4	13	9.0	(6)
	17-May-16	8.6	379	10.3	11.6
	22-Jun-16	8.5	413	17.3	9.8
	3-Jul-16				
	20-Jul-16	8.5	422	18.0	9.4
	7-Aug-16				
	25-Aug-16	8.3	434	18.9	11.1
	19-Sep-16	8.1	414	14.7	9.1
	17-Oct-16	7.7	457	12.2	10.6
	15-Nov-16	7.6	355	4.9	13.8
	12-Dec-16	7.7	311	0.1	16.9
	24-Jan-17	8.2	312	1.9	14.4
	17-Feb-17	8.3	314	(0)	16.1
	22-Mar-17	8.6	311	(0)	12.1
	19-Apr-17	7.8	344	10.4	12.7
	16-May-17	8.6	483	10.6	8.5
28-Jun-17	8.4	415	13.1	10.7	
7-Jul-17					
19-Jul-17	8.5	465	18.1	9.6	
27-Jul-17					
16-Aug-17	8.5	445	17.3	9.5	
17-Sep-17	8.4	432	16.9	9.3	
18-Oct-17	8.5	408	10.4	8.0	
14-Nov-17	8.5	383	4.8	9.0	
14-Dec-17	8.1	213	(0)	15.8	
17-Jan-18		259	(0)	10.6	
24-Feb-18	8.5	271	2.3	15.2	
20-Mar-18	8.4	281	(0)	17.3	
18-Apr-18	8.7	492	2.8	10.2	
14-May-18	8.5	461	14.3	9.9	

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
SW19 (cont'd)	18-Jun-18	8.4	467	8.3	9.4
	19-Jul-18	8.3	475	16.1	9.5
	23-Aug-18	8.5	489	18.2	9.2
	19-Sep-18	8.3	483	13.9	9.8
	24-Oct-18	8.6	523	5.0	12.7
	21-Nov-18	8.2	527	0.0	14.3
	13-Dec-18	8.4		1.2	13.6
	19-Jan-19	8.2	427	0.0	16.2
	26-Feb-19 (2)				
	15-Mar-19 (1)				
	27-May-19	8.6	418	12.1	10.5
	21-Jun-19	8.5	443	15.4	9.8
	30-Jul-19	8.4	426	21.5	8.6
	30-Aug-19	7.8	939	16.3	8.3
	27-Sep-19	7.9	529	17.9	7.6
	22-Oct-19	7.7	492	9.3	7.9
	21-Nov-19	8.0	419	0.6	7.9
	20-Dec-19 (2)				
	15-Jan-20 (2)				
	20-Feb-20 (2)				
	26-Mar-20 (1)				
	28-Apr-20	8.6	390	7.5	11.9
	28-May-20	9.2	423	12.0	10.7
	24-Jun-20	8.8	426	15.2	9.7
	31-Jul-20	7.4	413	15.5	10.4
	26-Aug-20	8.1	441	15.6	9.5
	26-Sep-20	8.1	433	12.7	10.2
	29-Oct-20	7.3	480	7.9	7.6
	26-Nov-20 (3)				
	23-Dec-20 (3)				
	27-Jan-21 (2)				
	22-Feb-21 (3)				
	29-Mar-21	8.1	465	8.0	11.0
	27-Apr-21 (1)				
	27-May-21	8.4	482	12.5	12.5
	22-Jun-21	8.4	476	15.7	10.0
	22-Jul-21	8.3	512	14.8	10.2
	25-Aug-21	8.2	498	15.7	9.9
	28-Sep-21	8.2	532	11.8	10.9
	26-Oct-21 (3)				
23-Nov-21 (2)					
21-Dec-21 (3)					
24-Jan-22 (3)					
8-Feb-22 (2)					
16-Mar-22 (3)					
21-Apr-22	7.9	570	3.4	10.3	
24-May-22	7.2	560	10.2	11.7	
25-Jun-22			9.7		
26-Aug-22			13.4		
27-Sep-22			11.8		

**Table C-3 Surface Water Field Chemical Results**

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
SW19 (cont'd)	28-Oct-22			7.0	
	22-Nov-22			0.5	
	17-May-23			10.5	
	27-Jun-23			16.4	
	25-Jul-23			19.2	
	29-Aug-23			16.6	
	26-Sep-23			13.0	
	1-Nov-23			2.8	
SW20	22-May-03			7.0	
	23-Jun-03			6.9	
	25-Sep-03 (1)				
	16-Mar-04	7.6	485	6.7	7.5
	21-Apr-04	7.4	261	6.4	
	19-May-04	7.4	334	6.8	
	24-Jun-04	7.4	331	7.0	11.4
	29-Jul-04	7.1	328	7.7	11.8
	26-Aug-04	7.3	337	7.8	
	22-Sep-04	7.5	358	8.9	9.7
	21-Oct-04 (1)				
	17-Nov-04 (1)				
	15-Dec-04 (2)				
	16-Jan-05 (2)				
	13-Feb-05 (2)				
	29-Mar-05	7.7	345	6.9	11.9
	11-Apr-05	7.1	254	7.1	
	24-May-05	7.3	346	8.2	
	28-Jun-05	8.3	421	13.4	
	11-Jul-05	6.8	406	12.8	
	22-Aug-05	7.6	240	12.2	10.2
	27-Sep-05	7.5	367	11.7	9.7
	23-Oct-05 (1)				
	13-Nov-05 (1)				
	12-Dec-05	8.2	328	2.5	10.6
	17-Jan-06	6.4	303	5.1	11.8
	19-Feb-06 (2)				
	20-Mar-06	8.2	323	6.9	
	18-Apr-06	7.9	371	9.5	
	23-May-06	7.8	460	10.2	
	20-Jun-06	7.7	455	11.2	
	11-Jul-06	7.7	438	12.1	
	23-Aug-06	7.5	444	11.0	
	20-Sep-06	7.6	414	11.0	
18-Oct-06	7.6	441	10.1		
27-Nov-06	7.7	489	7.6	10.9	
17-Dec-06	7.7	521	6.3	12.4	
21-Jan-07	7.9	498	5.7	12.2	
18-Feb-07	8.1	490	5.2	12.2	
18-Mar-07	8.0	423	5.7	12.3	
16-Apr-07	8.0	435	5.8	12.5	
13-May-07	8.0	446	9.8		



**Table C-3 Surface Water Field Chemical Results**

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
SW20 (cont'd)	17-Jun-07	8.1	494	12.0	9.7
	15-Jul-07	7.9	463	11.3	9.7
	19-Aug-07	8.7	469	13.4	
	14-Oct-07 (1)				
	18-Nov-07 (1)				
	9-Dec-07 (2)				
	21-Jan-08	7.5	380	5.7	
	19-Feb-08	7.7	451	5.0	12.0
	17-Mar-08	7.5	476	7.2	
	1-Apr-08	7.6	345	4.8	
	23-Apr-08	7.8	370	8.5	10.6
	20-May-08	6.9	255	10.2	
	17-Jun-08	8.2	462	7.9	9.8
	15-Jul-08	6.9	491	9.4	7.7
	18-Aug-08	5.7	293	11.2	5.8
	16-Sep-08	7.7	508	8.5	8.4
	20-Oct-08	7.5	414	8.0	8.5
	23-Nov-08		513	6.6	8.1
	14-Dec-08	7.2	403	5.5	8.3
	18-Jan-09	7.9	457	5.3	9.5
	8-Feb-09		443	6.9	7.9
	15-Mar-09	8.1	379	7.8	
	12-Apr-09	8.0	430	8.4	
	17-May-09	7.7	375	11.3	
	14-Jun-09	7.3	885	10.1	
	12-Jul-09	8.2	478	8.9	10.4
	9-Aug-09	8.4	481	9.6	10.9
	13-Sep-09	9.1	426	10.4	
	11-Oct-09	6.3	492	7.9	
	15-Nov-09	7.2	426	3.9	
	13-Dec-09	7.4	456	2.4	12.1
	17-Jan-10	7.7		3.8	12.1
	7-Feb-10	7.8	479	1.5	12.6
	14-Mar-10	7.8	423	7.8	11.9
	4-Apr-10				
	11-Apr-10	7.7	447	8.4	12.8
	16-May-10	8.0	335	9.3	11.4
	23-May-10				
	13-Jun-10	7.8	347	9.9	14.1
	18-Jul-10	7.7	351	9.8	11.7
	15-Aug-10	8.1	349	11.7	9.6
12-Sep-10	7.7	300	8.7	11.0	
17-Oct-10	7.6	295	7.4	10.4	
14-Nov-10	7.6	287	6.8		
19-Dec-10	8.1	261	5.4	11.3	
15-Jan-11	7.8	262	6.0	11.4	
16-Jan-11	8.0	295	5.2	12.4	
20-Feb-11	7.9	284	5.5	12.0	
13-Mar-11	8.0	309	7.2	11.0	
17-Mar-11					

**Table C-3 Surface Water Field Chemical Results**

Surface Water Station	PWQO	pH (su)	EC (µS/cm)	T (°C)	DO
		6.5 - 8.5	nc	nc	a
SW20 (cont'd)	18-Mar-11				
	20-Mar-11				
	1-Apr-11				
	5-Apr-11				
	8-Apr-11				
	12-Apr-11				
	15-Apr-11				
	17-Apr-11	8.0	282	6.8	12.0
	20-Apr-11				
	21-Apr-11				
	26-Apr-11				
	29-Apr-11				
	3-May-11				
	6-May-11				
	10-May-11				
	13-May-11				
	15-May-11	7.9	256	6.8	13.4
	16-May-11				
	18-May-11				
	19-May-11				
	20-May-11				
	27-May-11				
	3-Jun-11				
	12-Jun-11	7.7	240	8.4	7.8
	17-Jul-11	7.9	331	10.2	11.2
	14-Aug-11	8.0	256	12.3	11.6
	18-Sep-11	7.5	213	10.0	10.3
	16-Oct-11	8.0	324	7.7	11.4
	20-Nov-11	7.8	288	3.5	12.7
	18-Dec-11	6.8	261	0.3	10.9
	19-Feb-12	7.1	272	5.1	12.7
	18-Mar-12	7.7	251	7.9	10.8
	15-Apr-12	8.7	306	6.0	10.8
	13-May-12	7.8	360	12.1	9.2
	17-Jun-12	7.7	383	12.3	8.4
	16-Jul-12	7.9	425	17.2	5.8
	14-Aug-12	7.6	451	12.8	6.6
	18-Sep-12	6.8	355	10.9	10.6
	17-Oct-12	6.8	456	8.0	7.4
	20-Nov-12	7.8	339	7.4	8.7
18-Dec-12	7.5	728	6.6	10.1	
15-Jan-13	7.7	352	5.7	11.4	
20-Feb-13	8.1	282	4.1	13.4	
19-Mar-13	7.9	241	5.0	9.7	
16-Apr-13	7.1	265	6.5	9.7	
13-May-13	7.5	271	7.6	10.9	
18-Jun-13	7.8	334	9.7	8.4	
16-Jul-13	7.9	357	9.7	10.0	
21-Aug-13	8.0	356	11.0	10.1	
18-Sep-13	8.5	317	8.3	12.4	

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
SW20 (cont'd)	16-Oct-13	8.7	337	9.2	7.0
	19-Nov-13	7.4	329	5.9	6.0
	17-Dec-13	7.8	316	5.0	4.0
	21-Jan-14	7.9	201	3.5	3.4
	20-Feb-14	7.7	314	5.0	7.8
	18-Mar-14	7.3	324	2.8	4.1
	15-Apr-14	7.7	267	5.9	11.9
	12-May-14	7.5	320	9.2	10.3
	17-Jun-14	8.1	336	9.4	11.5
	14-Jul-14	8.9	403	10.8	2.0
	18-Aug-14	8.4	192	10.9	6.6
	8-Sep-14	8.8	398	10.4	8.9
	23-Oct-14	7.9	410	7.9	4.6
	16-Dec-14	8.2	383	5.9	
	20-Jan-15	6.9	255	4.4	1.2
	15-Feb-15 (3)				
	18-Mar-15	8.3	195	5.3	12.1
	21-Apr-15	7.7	260	6.8	11.8
	19-May-15	8.0	321	9.6	15.6
	15-Jun-15	7.8	387	10.6	10.0
	21-Jul-15	8.0	376	11.1	
	11-Aug-15	8.0	404	12.4	10.3
	23-Aug-15				
	8-Sep-15	7.8	372	11.6	11.4
	15-Oct-15	7.4	323	8.4	7.1
	8-Nov-15				
	18-Nov-15	7.9	383	8.0	11.8
	8-Dec-15	8.0	370	5.8	16.3
	19-Jan-16	7.9	287	1.8	15.1
	17-Feb-16	7.7	344	4.5	13.6
	15-Mar-16	7.5	284	7.1	12.9
	20-Apr-16	7.4	300	7.0	12.9
	17-May-16	7.9	393	9.7	11.9
	22-Jun-16	7.9	357	9.3	11.1
	3-Jul-16				
	20-Jul-16	8.0	372	10.3	11.0
	7-Aug-16				
	24-Aug-16	8.3	379	12.8	11.1
	19-Sep-16	8.2	388	13.0	9.8
	17-Oct-16	7.5	353	13.7	5.9
15-Nov-16	7.9	500	6.9	11.4	
12-Dec-16	7.8	442	0.0	15.5	
24-Jan-17	7.8	328	6.2	12.1	
16-Feb-17	8.1	357	3.7	13.5	
21-Mar-17	7.9	388	7.0	12.1	
19-Apr-17	7.6	344	8.4	14.2	
16-May-17	8.4	349	9.9	12.5	
28-Jun-17	7.7	309	8.4	11.5	
7-Jul-17					
18-Jul-17	8.1	339	9.4	11.6	

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	DO
		6.5 - 8.5	nc	nc	a
SW20 (cont'd)	27-Jul-17				
	15-Aug-17	8.3	309	9.6	11.8
	17-Sep-17	7.8	379	9.9	10.3
	17-Oct-17	8.0	377	8.8	10.3
	14-Nov-17	8.0	391	6.8	8.0
	14-Dec-17	7.9	367	4.7	12.5
	17-Jan-18	7.9	341	5.2	7.8
	23-Feb-18	7.9	299	6.4	9.0
	20-Mar-18	8.0	356	6.3	13.4
	18-Apr-18	8.1	544	6.4	7.3
	14-May-18	7.7	478	9.3	11.6
	18-Jun-18	7.8	501	10.9	10.4
	19-Jul-18	7.7	500	9.0	10.1
	24-Aug-18	8.1	488	12.3	9.8
	19-Sep-18	8.2	477	10.7	9.9
	25-Oct-18	7.9	453	3.7	8.2
	22-Nov-18	8.1		3.1	12.1
	13-Dec-18	8.0		5.5	10.8
	19-Jan-19	7.8	500	5.0	11.4
	26-Feb-19 (2)				
	19-Mar-19	7.9	433	6.0	11.6
	25-Apr-19	7.4	373	6.3	10.4
	27-May-19	8.0	428	10.4	10.7
	21-Jun-19	7.7	457	7.8	10.2
	30-Jul-19	7.9	457	10.6	9.6
	30-Aug-19	8.1	904	10.8	10.0
	26-Sep-19 (1)				
	23-Oct-19 (1)				
	21-Nov-19 (1)				
	20-Dec-19 (2)				
	15-Jan-20 (2)				
	20-Feb-20 (2)				
	25-Mar-20	7.7	420	6.7	11.1
	28-Apr-20	7.8	385	7.6	11.1
	28-May-20	8.4	434	9.4	9.9
	24-Jun-20	8.1	409	9.3	10.2
	31-Jul-20	8.1	500	9.7	9.6
	25-Aug-20 (1)				
	29-Oct-20	7.3	392	8.8	7.5
	26-Nov-20 (2)				
23-Dec-20 (2)					
27-Jan-21 (2)					
22-Feb-21 (2)					
29-Mar-21	7.6	386	6.9	11.8	
27-Apr-21	7.6	399	6.8	10.6	
27-May-21	7.6	490	9.8	10.8	
22-Jun-21	8.1	446	10.6	10.9	
22-Jul-21	7.8	505	10.3	10.4	
25-Aug-21	7.7	447	11.9	9.9	
28-Sep-21	7.7	552	8.4	10.6	

Surface Water Station	PWQO	pH (su)	EC (µS/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
SW20 (cont'd)	26-Oct-21 (3)				
	23-Nov-21 (2)				
	21-Dec-21 (2)				
	24-Jan-22 (2)				
	8-Feb-22 (2)				
	16-Mar-22 (2)				
	21-Apr-22	8.1	583	2.1	11.6
	24-May-22	7.8	519	10.5	10.8
	24-Jun-22	8.1	603	10.5	10.5
	29-Aug-22			12.7	
	27-Sep-22			9.9	
	27-Oct-22 (1)				
	21-Nov-22 (1)				
	21-Dec-22			0.7	
	24-Jan-23	7.9		4.2	
	22-Feb-23			5.1	
	27-Mar-23			7.9	
	21-Apr-23			8.4	
	16-May-23			9.8	
	26-Jun-23			10.3	
	25-Jul-23			9.3	
	29-Aug-23			9.5	
	25-Sep-23			9.8	
	30-Oct-23			6.8	
29-Nov-23			3.3		
18-Dec-23			6.1		
SW21	11-Feb-04	8.5	283	0.3	10.3
	17-Mar-04	7.5	286	0.2	8.1
	21-Apr-04	8.0	310	10.8	
	19-May-04	8.1	395	17.5	
	24-Jun-04	8.1	419	18.9	
	29-Jul-04	8.0	418	23.1	8.2
	26-Aug-04	7.9	411	18.4	
	22-Sep-04	7.6	417	20.5	8.7
	20-Oct-04	7.9	321	9.2	10.8
	18-Nov-04	8.0	317	6.1	
	15-Dec-04 (2)				
	16-Jan-05 (2)				
	13-Feb-05 (2)				
	29-Mar-05	7.7	345	6.9	11.9
	11-Apr-05	7.1	264	7.1	
	26-May-05	8.2	418	19.6	
	28-Jun-05	8.4	432	25.9	8.0
	12-Jul-05	7.9	471	24.7	6.9
	23-Aug-05	7.3	342	19.9	8.5
	28-Sep-05	7.7	344	16.6	8.9
25-Oct-05	8.0	319	8.6	11.6	
15-Nov-05	8.0	298	6.3	11.9	
13-Dec-05	7.6	185	0.5	12.7	
17-Jan-06	6.8	245	1.6	12.7	

**Table C-3 Surface Water Field Chemical Results**

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
SW21 (cont'd)	19-Feb-06 (2)				
	22-Mar-06	8.0	247	1.4	
	19-Apr-06	8.2	388	13.5	
	23-May-06	8.1	405	12.4	
	20-Jun-06	8.1	399	21.8	
	11-Jul-06	8.1	373	23.3	
	23-Aug-06	7.9	375	21.3	
	20-Sep-06	8.0	350	16.3	
	19-Oct-06	8.0	368	10.0	
	23-Nov-06	8.3	457	2.4	13.6
	17-Dec-06	7.7	515	3.0	
	21-Jan-07 (2)				
	18-Feb-07 (2)				
	18-Mar-07 (2)				
	16-Apr-07	8.3	435	4.4	
	13-May-07	8.5	383	15.0	
	17-Jun-07	8.3	415	24.4	
	15-Jul-07	8.0	418	22.0	8.0
	19-Aug-07	8.0	385	20.1	8.6
	18-Oct-07	7.9	365	10.3	8.7
	21-Nov-07	8.2	418	4.5	11.7
	9-Dec-07	7.2	393	1.5	12.5
	21-Jan-08	7.5	390	1.3	
	19-Feb-08	7.7	425	1.6	12.7
	17-Mar-08	7.4	444	1.1	
	1-Apr-08	7.4	326	2.0	
	23-Apr-08	7.9	394	16.6	8.2
	21-May-08	7.9	357	14.0	9.3
	17-Jun-08	7.9	336	19.6	6.7
	15-Jul-08	7.4	309	22.7	5.7
	19-Aug-08	8.1	325	22.1	4.2
	16-Sep-08	8.7	272	10.5	6.5
	21-Oct-08	8.0	332	10.6	7.6
	23-Nov-08		462	2.2	9.6
	14-Dec-08	7.3	394	1.8	9.7
	18-Jan-09	7.9	460	0.2	12.6
	8-Feb-09	8.9	429	1.0	9.0
	15-Mar-09	8.1	375	3.9	
	12-Apr-09	8.5	433	9.8	
	17-May-09	8.2	311	17.0	
14-Jun-09	7.9	621	19.3		
12-Jul-09	7.8	362	21.2	7.5	
9-Aug-09	6.8	361	20.1	8.8	
13-Sep-09	8.0	389	20.5	9.0	
11-Oct-09	8.5	342	8.5	11.2	
15-Nov-09	7.4	369	6.6		
13-Dec-09	7.5	463	0.4	12.3	
17-Jan-10 (2)					
7-Feb-10	7.4	502	0.7	10.9	
14-Mar-10	7.4	305	4.3	11.5	

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
SW21 (cont'd)	4-Apr-10				
	11-Apr-10	7.9	459	10.6	14.1
	16-May-10	8.0	345	14.5	8.9
	23-May-10				
	13-Jun-10	8.0	394	20.7	10.1
	18-Jul-10	8.1	401	24.2	10.1
	12-Sep-10	8.2	362	18.0	7.5
	17-Oct-10	8.0	302	11.4	10.3
	14-Nov-10	8.1	281	6.8	12.6
	19-Dec-10 (2)				
	16-Jan-11				
	20-Feb-11	8.0	262	0.8	11.8
	13-Mar-11	8.1	233	1.1	10.9
	17-Mar-11				
	18-Mar-11				
	20-Mar-11				
	1-Apr-11				
	5-Apr-11				
	8-Apr-11				
	12-Apr-11				
	15-Apr-11				
	17-Apr-11	8.2	303	6.5	12.2
	20-Apr-11				
	21-Apr-11				
	26-Apr-11				
	29-Apr-11				
	3-May-11				
	6-May-11				
	10-May-11				
	13-May-11				
	15-May-11	8.0	283	12.2	12.1
	16-May-11				
	18-May-11				
	19-May-11				
	20-May-11				
	27-May-11				
	3-Jun-11				
	12-Jun-11	8.3	332	20.8	9.8
	18-Sep-11 (1)				
	16-Oct-11	8.2	230	12.1	9.3
	18-Dec-11	8.7	230	3.7	10.7
	15-Jan-12 (2)				
19-Feb-12 (2)					
18-Mar-12	8.0	304	15.6	9.2	
15-Apr-12	8.6	319	12.0	10.9	
13-May-12	8.2	347	17.6	8.8	
17-Jun-12 (1)					
15-Jul-12 (1)					
14-Aug-12	8.4	459	21.5	6.2	
18-Sep-12	7.9	322	17.8	7.4	

**Table C-3 Surface Water Field Chemical Results**

Surface Water Station	PWQO	pH (su)	EC (µS/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
SW21 (cont'd)	17-Oct-12	7.0	254	10.8	8.2
	20-Nov-12	8.0	316	5.7	9.4
	18-Dec-12	7.2	680	4.3	9.0
	15-Jan-13	7.4	345	3.5	9.5
	17-Feb-13 (2)				
	17-Mar-13 (2)				
	16-Apr-13	7.8	299	7.2	9.9
	13-May-13	8.0	339	14.5	5.2
	19-Jun-13	8.2	409	22.5	7.2
	16-Jul-13	8.1	444	28.2	4.3
	16-Oct-13	8.7	331	14.9	4.8
	19-Nov-13	8.7	301	5.3	2.0
	15-Dec-13 (2)				
	19-Jan-14 (2)				
	16-Feb-14 (2)				
	16-Mar-14 (2)				
	16-Apr-14	7.7	194	5.9	10.6
	13-May-14	7.9	312	16.0	9.1
	16-Nov-14 (2)				
	16-Dec-14	9.4	313	2.0	
	18-Jan-15 (2)				
	15-Feb-15 (3)				
	15-Mar-15 (2)				
	22-Apr-15	8.0	406	10.2	11.6
	19-May-15	8.2	346	17.1	13.7
	15-Jun-15	8.0	393	20.5	7.4
	21-Jul-15	8.4	422	23.2	7.6
	11-Aug-15	7.6	396	21.1	6.9
	23-Aug-15				
	11-Oct-15 (1)				
	8-Nov-15				
	18-Nov-15	7.9	248	6.7	13.2
	8-Dec-15	7.4	289	3.5	13.9
	19-Jan-16	7.5	270	1.4	11.9
	17-Feb-16	7.2	3	1.2	11.3
	15-Mar-16	7.5	334	6.2	11.4
	21-Apr-16	7.9	345	11.3	11.5
	18-May-16	8.3	382	13.7	10.8
	3-Jul-16				
	21-Jul-16	8.3	288	23.9	8.5
7-Aug-16					
24-Aug-16	8.1	326	24.7	8.9	
19-Sep-16	8.2	330	22.0	8.0	
18-Oct-16	8.2	289	15.3	12.7	
16-Nov-16	7.9	264	6.9	11.3	
12-Dec-16	8.1	430	1.2	15.8	
25-Jan-17	7.5	315	2.1	10.7	
17-Feb-17	7.9	303	0.6	12.5	
22-Mar-17	8.1	350	4.3	12.1	
19-Apr-17	7.1	335	9.7	14.6	



Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
SW21 (cont'd)	16-May-17	8.7	427	20.7	8.7
	28-Jun-17	8.2	429	21.2	9.4
	7-Jul-17				
	19-Jul-17	8.1	428	24.0	7.4
	27-Jul-17				
	16-Aug-17	8.1	351	20.6	8.8
	19-Sep-17	8.1	343	19.4	8.0
	18-Oct-17	8.0	341	12.5	9.0
	15-Nov-17	8.1	327	3.8	8.1
	14-Dec-17	8.2	294	1.1	10.4
	17-Jan-18 (2)				
	23-Feb-18	7.6	237	1.8	7.2
	21-Mar-18	7.9	328	3.2	10.6
	19-Apr-18	8.0	274	1.7	11.3
	15-May-18	8.1	458	16.9	9.5
	18-Jun-18	8.2	443	13.6	7.4
	19-Jul-18	8.0	430	9.0	5.8
	24-Aug-18	8.2	376	22.7	7.5
	20-Sep-18	8.0	365	18.8	5.9
	25-Oct-18	8.2	379	7.3	10.0
	22-Nov-18 (1)				
	13-Dec-18	7.7	497	1.9	10.1
	18-Jan-19 (2)				
	19-Jan-19 (2)				
	28-Feb-19 (2)				
	19-Mar-19	7.6	441	1.5	9.9
	25-Apr-19	8.0	409	9.9	10.7
	27-May-19	8.1	428	18.0	8.7
	21-Jun-19	8.2	408	22.5	8.0
	30-Jul-19	8.2	355	24.9	7.2
	30-Aug-19	8.0	411	15.9	7.2
	27-Sep-19	8.2	388	15.2	7.2
	22-Oct-19	8.0	329	9.1	7.5
	21-Nov-19	8.0	395	0.1	7.7
	20-Dec-19 (2)				
	24-Jan-20 (2)				
	21-Feb-20 (2)				
	25-Mar-20 (2)				
	28-Apr-20				
	28-May-20 (1)				
24-Jun-20 (1)					
31-Jul-20 (3)					
26-Aug-20 (3)					
26-Sep-20 (3)					
29-Oct-20	7.8	311	8.5	7.6	
27-Nov-20	8.0	487	4.7	11.4	
22-Dec-20	7.6	503	2.9	10.9	
27-Jan-21 (2)					
22-Feb-21 (2)					
29-Mar-21	7.3	381	6.5	10.5	

**Table C-3 Surface Water Field Chemical Results**

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
SW21 (cont'd)	27-Apr-21	7.7	388	7.0	9.3
	27-May-21	7.9	470	20.3	6.3
	22-Jun-21 (1)				
	22-Jul-21 (1)				
	25-Aug-21 (1)				
	28-Sep-21 (1)				
	26-Oct-21 (3)				
	23-Nov-21	7.2	522	2.3	10.3
	21-Dec-21	7.6	526	1.8	10.2
	24-Jan-22 (2)				
	8-Feb-22 (2)				
	16-Mar-22 (2)				
	21-Apr-22	7.6	503	7.8	6.3
	24-May-22	8.0	493	18.1	7.2
	25-Jun-22	8.0	645	10.5	11.4
	26-Aug-22 (1)				
	29-Sep-22 (1)				
	27-Oct-22			10.7	
	22-Nov-22	8.2		1.1	
	17-May-23	8.0		14.8	
	26-Jun-23 (1)				
	26-Jul-23	7.9		23.1	
	31-Aug-23	8.2		18.4	
25-Sep-23 (1)					
31-Oct-23	8.2		9.4		
SW21A	19-Dec-03 (2)				
	10-Feb-04 (2)				
	18-Mar-04 (2)				
	19-May-04	8.0	378	15.7	
	24-Jun-04	8.1	384	17.2	
	29-Jul-04	8.0	416	22.7	8.2
	26-Aug-04	8.0	377	15.7	
	21-Sep-04 (1)				
	20-Oct-04	8.0	301	6.6	12.0
	18-Nov-04	7.9	332	7.9	11.2
	16-Dec-04	7.9	243	0.2	
	16-Jan-05 (2)				
	13-Feb-05 (2)				
	29-Mar-05	7.7	224	2.1	
	11-Apr-05	7.4	328	9.9	11.1
	26-May-05	8.2	429	22.0	8.8
	28-Jun-05	8.2	496	26.2	
	12-Jul-05	7.7	423	18.2	8.3
	23-Aug-05	7.4	363	13.6	10.1
	28-Sep-05	7.7	346	11.9	10.2
	25-Oct-05	7.9	392	6.2	
	15-Nov-05	8.0	280	3.9	12.5
	13-Dec-05	7.9	278	0.3	13.0
17-Jan-06	6.4	219	0.3	13.8	
19-Feb-06 (2)					

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
SW21A (cont'd)	22-Mar-06	8.2	255	0.4	
	19-Apr-06	8.3	358	17.9	
	23-May-06	8.3	403	15.6	
	20-Jun-06	8.4	405	17.1	
	11-Jul-06	8.1	390	19.4	
	23-Aug-06	7.9	390	16.9	
	20-Sep-06	8.1	362	11.3	
	19-Oct-06	8.0	396	9.7	
	23-Nov-06	8.2	430	1.9	
	17-Dec-06	8.0	497	1.6	
	21-Jan-07 (2)				
	18-Feb-07 (2)				
	18-Mar-07 (2)				
	16-Apr-07	8.3	420	2.4	13.6
	13-May-07	8.5	387	15.2	
	17-Jun-07	8.3	426	20.8	8.3
	15-Jul-07	8.0	419	19.1	8.7
	19-Aug-07	7.8	345	16.7	9.3
	18-Oct-07	7.9	396	12.8	9.0
	21-Nov-07	8.0	423	3.6	11.2
	9-Dec-07	7.9	395	0.9	13.0
	20-Jan-08 (2)				
	17-Feb-08 (2)				
	16-Mar-08 (2)				
	30-Mar-08 (2)				
	21-Oct-08	8.3	380	5.0	
	23-Nov-08		481	1.3	9.0
	14-Dec-08	7.6	379	0.3	9.2
	18-Jan-09 (2)				
	8-Feb-09 (2)				
	15-Mar-09	8.1	369	6.4	
	12-Apr-09	8.4	401	11.5	
	17-May-09	8.3	308	21.5	
	14-Jun-09 (1)				
	12-Jul-09 (1)				
	9-Aug-09 (1)				
	13-Sep-09	7.9	358	16.6	
	11-Oct-09	8.4	413	5.2	12.4
	15-Nov-09	7.6	334	5.6	
	13-Dec-09 (2)				
17-Jan-10 (2)					
7-Feb-10 (2)					
14-Mar-10	7.4	284	7.0	11.1	
4-Apr-10					
11-Apr-10	8.0	434	12.6	12.5	
16-May-10	8.1	356	14.3	9.8	
23-May-10					
13-Jun-10 (1)					
15-Aug-10 (1)					
12-Sep-10	8.1	322	14.0	8.7	

**Table C-3 Surface Water Field Chemical Results**

Surface Water Station	PWQO	pH (su)	EC (µS/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
SW21A (cont'd)	14-Nov-10	8.1	268	6.1	12.0
	19-Dec-10 (2)				
	16-Jan-11				
	20-Feb-11				
	13-Mar-11 (2)				
	17-Mar-11				
	18-Mar-11				
	20-Mar-11				
	1-Apr-11				
	5-Apr-11				
	8-Apr-11				
	12-Apr-11				
	15-Apr-11				
	17-Apr-11	8.1	343	8.4	10.7
	20-Apr-11				
	21-Apr-11				
	26-Apr-11				
	29-Apr-11				
	3-May-11				
	6-May-11				
	10-May-11				
	13-May-11				
	15-May-11	8.0	267	9.3	12.3
	16-May-11				
	18-May-11				
	19-May-11				
	20-May-11				
	27-May-11				
	3-Jun-11				
	12-Jun-11	8.3	319	18.0	8.3
	18-Sep-11 (1)				
	16-Oct-11	8.0	304	9.4	9.0
	18-Dec-11	8.6	222	1.7	11.9
	15-Jan-12 (2)				
	19-Feb-12 (2)				
	18-Mar-12	7.9	351	18.1	7.9
	15-Apr-12	8.7	272	9.4	10.7
	13-May-12	8.0	368	19.5	7.3
	17-Jun-12 (1)				
	15-Jul-12 (1)				
17-Oct-12	7.0	296	9.4	8.0	
20-Nov-12	7.9	323	5.6	8.9	
18-Dec-12	7.2	617	3.3	8.8	
15-Jan-13	7.8	306	0.7	11.0	
17-Feb-13 (2)					
17-Mar-13 (2)					
16-Apr-13	7.9	227	8.6	8.7	
14-Jul-13 (1)					
19-Jan-14 (2)					
16-Feb-14 (2)					

**Table C-3 Surface Water Field Chemical Results**

Surface Water Station	PWQO	pH (su)	EC (µS/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
SW21A (cont'd)	16-Mar-14 (2)				
	16-Apr-14	7.2	187	3.2	10.5
	13-May-14	7.9	366	15.6	8.1
	15-Jun-14 (1)				
	7-Sep-14 (1)				
	16-Nov-14 (2)				
	16-Dec-14	9.7	283	0.0	
	18-Jan-15 (2)				
	15-Feb-15 (3)				
	15-Mar-15 (2)				
	22-Apr-15	7.8	381	8.2	10.1
	17-May-15 (1)				
	14-Jun-15 (1)				
	19-Jul-15 (1)				
	9-Aug-15 (1)				
	23-Aug-15				
	6-Sep-15 (1)				
	11-Oct-15 (1)				
	8-Nov-15				
	15-Nov-15 (1)				
	6-Dec-15 (1)				
	17-Jan-16 (2)				
	14-Feb-16 (2)				
	15-Mar-16	7.7	296	6.8	10.7
	21-Apr-16	7.9	370	9.0	8.5
	15-May-16 (1)				
	19-Jun-16 (1)				
	3-Jul-16				
	21-Jul-16	7.8	401	17.9	7.0
	7-Aug-16				
	24-Aug-16	7.9	362	19.5	6.7
	19-Sep-16	8.0	381	17.8	7.0
	18-Oct-16	8.0	380	14.8	10.6
	16-Nov-16	7.9	301	6.7	10.3
	12-Dec-16	8.3	465	0.7	14.5
	25-Jan-17	7.8	298	1.8	11.5
	17-Feb-17	7.8	271	0.2	13.7
	22-Mar-17	8.0	383	(0)	11.3
	19-Apr-17	6.7	326	6.8	11.8
	16-May-17	8.7	404	20.7	6.9
28-Jun-17	7.8	401	16.7	7.3	
7-Jul-17					
19-Jul-17	7.7	408	18.4	6.9	
27-Jul-17					
16-Aug-17	7.9	290	15.4	7.6	
19-Sep-17	7.9	374	15.3	7.7	
18-Oct-17	8.1	333	9.4	10.4	
15-Nov-17	8.2	307	3.7	8.4	
14-Dec-17	8.3	265	(0)	11.1	
17-Jan-18 (2)					

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	DO
		6.5 - 8.5	nc	nc	a
SW21A (cont'd)	23-Feb-18	7.9	261	(0)	7.9
	18-Mar-18 (2)				
	18-Apr-18 (2)				
	15-May-18	8.0	432	14.5	7.6
	18-Jun-18	8.1	429	16.5	7.9
	19-Jul-18	8.1	408	18.3	7.5
	24-Aug-18	8.1	400	18.2	7.9
	20-Sep-18	8.1	396	15.6	7.3
	25-Oct-18	8.1	429	4.1	0.8
	22-Nov-18	8.2		0.5	12.7
	13-Dec-18	7.9	484	1.4	11.5
	18-Jan-19 (2)				
	19-Jan-19 (2)				
	28-Feb-19 (2)				
	19-Mar-19 (1)				
	25-Apr-19	8.0	278	7.7	10.1
	27-May-19	8.0	430	19.8	5.7
	21-Jun-19	7.9	363	17.5	(6)
	30-Jul-19	8.1		20.5	6.6
	30-Aug-19	8.1	397	17.6	8.1
	27-Sep-19	8.6	415	13.0	8.0
	22-Oct-19	8.3	402	10.1	8.8
	21-Nov-19	8.4	445	0.2	8.3
	20-Dec-19 (2)				
	24-Jan-20 (2)				
	21-Feb-20 (2)				
	25-Mar-20 (2)				
	28-Apr-20				
	28-May-20 (1)				
	24-Jun-20 (1)				
	31-Jul-20 (3)				
	26-Aug-20 (3)				
	26-Sep-20 (3)				
	29-Oct-20	8.3	399	9.3	9.0
	27-Nov-20	8.0	471	4.1	11.9
	22-Dec-20	7.8	474	1.1	12.3
	27-Jan-21 (2)				
	22-Feb-21 (2)				
	29-Mar-21	7.3	392	6.3	10.7
	27-Apr-21	7.7	403	7.3	8.9
27-May-21 (1)					
22-Jun-21 (1)					
22-Jul-21 (1)					
25-Aug-21 (1)					
28-Sep-21 (1)					
26-Oct-21 (3)					
23-Nov-21	7.9	463	2.1	11.9	
21-Dec-21	7.9	451	1.3	12.0	
24-Jan-22 (2)					
8-Feb-22 (2)					

**Table C-3 Surface Water Field Chemical Results**

Surface Water Station	PWQO	pH (su)	EC (µS/cm)	T (°C)	DO
		6.5 - 8.5	nc	nc	a
SW21A (cont'd)	16-Mar-22 (2)				
	21-Apr-22	7.9	521	7.9	7.4
	24-May-22 (1)				
	25-Jun-22	7.5	552	10.6	11.0
	29-Aug-22 (1)				
	29-Sep-22 (1)				
	27-Oct-22 (1)				
	22-Nov-22 (1)				
	17-May-23 (1)				
	26-Jun-23 (1)				
	26-Jul-23 (1)				
	31-Aug-23 (1)				
	25-Sep-23 (1)				
31-Oct-23 (1)					
SW21B	18-Mar-04 (2)				
	19-May-04	8.2	318	9.6	
	24-Jun-04	8.2	330	10.5	
	29-Jul-04	8.1	284	11.4	
	26-Aug-04	8.1	322	10.3	
	23-Sep-04	8.1	335	11.0	
	20-Oct-04	8.1	307	7.5	11.9
	18-Nov-04	8.0	309	6.6	11.8
	15-Dec-04 (2)				
	16-Jan-05 (2)				
	13-Feb-05 (2)				
	29-Mar-05	7.7	224	2.1	
	11-Apr-05	7.0	231	2.3	13.6
	26-May-05	7.6	322	10.0	
	12-Jul-05	7.6	343	12.1	10.4
	23-Aug-05	7.6	341	11.2	
	25-Oct-05	8.2	399	7.2	
	15-Nov-05	8.0	280	3.9	12.5
	13-Dec-05	8.3	296	2.6	12.6
	17-Jan-06	7.0	244	3.2	12.9
	19-Feb-06 (2)				
	19-Mar-06 (2)				
	19-Apr-06	8.3	340	9.2	
	23-May-06	8.3	395	9.4	
	20-Jun-06	8.2	401	12.1	
	11-Jul-06	8.2	385	12.9	
	23-Aug-06	8.0	400	12.6	
	20-Sep-06	8.0	393	10.7	
	28-Sep-06	7.8	330	10.5	10.9
	19-Oct-06	8.0	399	8.8	
	17-Dec-06	8.2	432	3.7	
	23-Dec-06	8.4	417	4.9	
	21-Jan-07	8.1	419	2.7	
18-Feb-07 (2)					
18-Mar-07 (2)					
16-Apr-07	8.4	396	3.7	13.0	

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
SW21B (cont'd)	13-May-07	8.4	384	9.1	
	17-Jun-07	8.3	430	12.0	10.6
	15-Jul-07	8.2	430	11.6	10.5
	19-Aug-07	7.9	422	11.3	10.0
	17-Sep-07	8.0	401	10.1	10.4
	18-Oct-07	7.9	404	10.0	9.2
	21-Nov-07	8.0	425	5.2	10.9
	9-Dec-07	8.1	392	3.9	11.8
	21-Jan-08	7.8	378	2.6	12.4
	19-Feb-08	8.1	399	2.9	
	16-Mar-08 (2)				
	30-Mar-08 (2)				
	23-Apr-08	7.9	343	8.5	10.0
	21-May-08	7.9	365	8.0	9.8
	17-Jun-08	7.9	401	11.7	8.6
	15-Jul-08	7.5	432	12.8	
	19-Aug-08	8.1	466	14.5	5.3
	16-Sep-08	8.4	419	14.3	6.4
	21-Oct-08	7.9	309	9.1	8.8
	23-Nov-08		427	4.7	8.4
	14-Dec-08	7.4	350	3.4	8.2
	18-Jan-09 (2)				
	8-Feb-09 (2)				
	15-Mar-09 (2)				
	12-Apr-09	8.7	375	2.9	
	17-May-09	8.3	331	12.0	10.1
	14-Jun-09	7.4	773	12.0	10.5
	12-Jul-09	8.5	417	13.2	9.6
	9-Aug-09	8.3	435	12.4	
	13-Sep-09	7.7	387	11.3	
	11-Oct-09	8.6	429	7.1	
	15-Nov-09	7.6	362	5.9	
	13-Dec-09 (2)				
	17-Jan-10 (2)				
	7-Feb-10 (2)				
	14-Mar-10 (2)				
	4-Apr-10				
	11-Apr-10	8.2	402	6.2	
	16-May-10	8.2	284	9.3	10.6
	23-May-10				
12-Sep-10	8.2	340	11.5	10.3	
17-Oct-10	8.0	294	8.8	10.9	
14-Nov-10	8.3	254	6.1	12.1	
19-Dec-10 (2)					
16-Jan-11					
20-Feb-11					
13-Mar-11 (2)					
17-Mar-11					
18-Mar-11					
20-Mar-11					



**Table C-3 Surface Water Field Chemical Results**

Surface Water Station	PWQO	pH (su)	EC (µS/cm)	T (°C)	DO
		6.5 - 8.5	nc	nc	a
SW21B (cont'd)	1-Apr-11				
	5-Apr-11				
	8-Apr-11				
	12-Apr-11				
	15-Apr-11				
	17-Apr-11	8.3	186	2.9	15.8
	20-Apr-11				
	21-Apr-11				
	26-Apr-11				
	29-Apr-11				
	3-May-11				
	6-May-11				
	10-May-11				
	13-May-11				
	15-May-11	8.1	240	7.7	12.8
	16-May-11				
	18-May-11				
	19-May-11				
	20-May-11				
	27-May-11				
	3-Jun-11				
	12-Jun-11	8.4	257	10.3	12.3
	17-Jul-11	8.3	328	14.2	10.9
	14-Aug-11	8.5	245	14.2	10.1
	18-Sep-11	8.6	272	11.1	10.0
	16-Oct-11	8.0	314	10.3	10.5
	20-Nov-11	8.1	270	5.2	13.5
	18-Dec-11 (2)				
	15-Jan-12 (2)				
	19-Feb-12 (2)				
	18-Mar-12	8.1	251	7.8	11.7
	15-Apr-12	8.7	281	7.6	10.1
	13-May-12	8.2	294	10.7	10.1
	17-Jun-12	8.4	290	15.1	7.4
	16-Jul-12	8.3	363	16.0	7.1
	14-Aug-12	8.4	478	16.2	6.9
	18-Sep-12	7.9	342	12.9	9.4
	17-Oct-12	7.0	280	8.7	9.0
	20-Nov-12	7.8	284	5.5	9.2
	18-Dec-12	7.6	560	3.8	9.4
13-Jan-13 (2)					
17-Feb-13 (2)					
17-Mar-13 (2)					
14-Apr-13 (2)					
13-May-13	8.2	259	7.2	6.0	
19-Jun-13	8.7	299	11.1	11.6	
16-Jul-13	8.2	360	15.8	9.0	
20-Aug-13	8.3	332	14.3	9.5	
18-Sep-13	8.0	310	11.6	11.1	
16-Oct-13	8.6	304	11.0	5.5	

**Table C-3 Surface Water Field Chemical Results**

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	DO
		6.5 - 8.5	nc	nc	a
SW21B (cont'd)	15-Dec-13 (2)				
	19-Jan-14 (2)				
	16-Feb-14 (2)				
	16-Mar-14 (2)				
	13-Apr-14 (2)				
	13-May-14	8.2	144	13.7	10.6
	17-Jun-14	8.2	322	14.2	10.0
	15-Jul-14	11.9	260	12.3	10.9
	19-Aug-14	8.8	372	12.7	5.8
	22-Oct-14	8.3	376	9.5	6.9
	16-Nov-14 (2)				
	18-Jan-15 (2)				
	15-Feb-15 (3)				
	15-Mar-15 (2)				
	22-Apr-15	7.9	263	4.0	11.0
	17-May-15 (1)				
	14-Jun-15 (1)				
	19-Jul-15 (1)				
	11-Aug-15	8.0	361	14.8	8.6
	23-Aug-15				
	8-Sep-15	7.8	380	17.4	7.0
	15-Oct-15	8.0	320	11.8	9.4
	8-Nov-15				
	18-Nov-15	7.7	334	8.3	11.2
	8-Dec-15	7.5	310	5.3	12.0
	17-Jan-16 (2)				
	14-Feb-16 (2)				
	13-Mar-16 (2)				
	17-Apr-16 (1)				
	18-May-16	8.3	324	8.0	11.4
	23-Jun-16	8.2	347	14.0	9.6
	3-Jul-16				
	21-Jul-16	8.5	345	12.3	11.2
	7-Aug-16				
	24-Aug-16	8.3	342	13.0	10.9
	19-Sep-16	8.3	341	12.3	10.9
	18-Oct-16	8.2	341	11.4	13.6
	16-Nov-16	8.1	307	7.1	11.3
	12-Dec-16	8.7	446	3.7	15.2
	25-Jan-17	8.3	298	4.0	12.3
15-Feb-17 (2)					
22-Mar-17	8.3	296	1.9	12.5	
19-Apr-17	7.4	280	6.6	13.9	
16-May-17	8.4	304	10.4	10.7	
28-Jun-17	8.3	322	10.3	11.4	
7-Jul-17					
19-Jul-17	8.2	345	11.9	11.1	
27-Jul-17					
16-Aug-17	8.2	310	11.6	10.9	
19-Sep-17	8.1	341	11.6	10.6	

**Table C-3 Surface Water Field Chemical Results**

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	DO
		6.5 - 8.5	nc	nc	a
SW21B (cont'd)	18-Oct-17	8.3	323	9.1	11.2
	15-Nov-17	8.4	309	5.3	7.6
	14-Dec-17	8.5	283	3.0	9.4
	17-Jan-18 (2)				
	18-Feb-18 (2)				
	21-Mar-18	8.4	241	1.4	13.8
	18-Apr-18 (2)				
	15-May-18	8.1	386	9.9	11.0
	18-Jun-18	8.3	431	20.2	10.3
	19-Jul-18	8.2	427	12.5	10.2
	24-Aug-18	8.4	431	13.6	10.0
	20-Sep-18	8.3	428	12.5	10.0
	25-Oct-18	8.4	430	6.8	11.4
	22-Nov-18	8.4	435	3.5	12.6
	13-Dec-18	8.4	428	3.2	12.5
	18-Jan-19 (2)				
	19-Jan-19 (2)				
	28-Feb-19 (2)				
	19-Mar-19 (1)				
	25-Apr-19 (1)				
	27-May-19 (1)				
	21-Jun-19 (1)				
	30-Jul-19	8.3	388	13.6	9.7
	30-Aug-19	8.3	370	12.4	10.0
	27-Sep-19	8.2	412	16.3	8.5
	22-Oct-19	8.3	418	10.4	8.9
	21-Nov-19	8.1	406	0.1	8.5
	20-Dec-19 (2)				
	24-Jan-20 (2)				
	21-Feb-20 (2)				
	25-Mar-20 (2)				
	28-Apr-20				
	28-May-20 (1)				
	24-Jun-20 (1)				
	31-Jul-20 (1)				
	26-Aug-20 (1)				
	26-Sep-20 (1)				
	29-Oct-20 (1)				
	27-Nov-20 (1)				
	22-Dec-20 (2)				
27-Jan-21 (2)					
22-Feb-21 (2)					
29-Mar-21	7.8	364	6.1	10.3	
27-Apr-21 (1)					
27-May-21 (1)					
22-Jun-21 (1)					
22-Jul-21 (1)					
25-Aug-21 (1)					
28-Sep-21 (1)					
26-Oct-21 (1)					

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
SW21B (cont'd)	23-Nov-21 (2)				
	21-Dec-21 (2)				
	24-Jan-22 (2)				
	8-Feb-22 (2)				
	16-Mar-22 (2)				
	24-May-22 (1)				
	25-Jun-22	8.1	598	12.9	11.2
	29-Aug-22 (1)				
	29-Sep-22			11.0	
	27-Oct-22			8.6	
	22-Nov-22	8.2		3.0	
	17-May-23	8.2		8.6	
	26-Jun-23 (1)				
	26-Jul-23 (1)				
	29-Aug-23 (1)				
25-Sep-23 (1)					
31-Oct-23 (1)					
SW21C	11-Feb-04	8.2	291	3.7	8.5
	17-Mar-04		409	4.0	9.4
	21-Apr-04	8.2	246	7.7	
	19-May-04	8.2	316	9.5	
	24-Jun-04	8.2	320	9.9	
	29-Jul-04	8.1	312	10.5	
	26-Aug-04	8.2	318	9.8	
	22-Sep-04	8.0	329	10.3	10.8
	20-Oct-04	8.1	305	7.3	11.9
	18-Nov-04	8.0	317	7.4	11.6
	15-Dec-04 (2)				
	16-Jan-05 (2)				
	13-Feb-05 (2)				
	29-Mar-05	8.1	281	5.4	
	11-Apr-05	7.4	251	5.8	
	26-May-05	8.0	240	10.0	
	28-Jun-05	8.3	327	12.0	
	12-Jul-05	7.6	345	11.2	10.8
	23-Aug-05	7.8	335	10.7	
	28-Sep-05	8.0	326	9.9	11.0
	25-Oct-05	8.2	397	7.1	
	15-Nov-05	8.3	272	5.7	12.3
	13-Dec-05	8.7	295	2.5	12.2
	17-Jan-06	7.4	246	3.6	13.0
	19-Feb-06 (2)				
	22-Mar-06	8.6	262	5.0	
	19-Apr-06	8.4	339	9.2	
	23-May-06	8.3	397	9.4	
	20-Jun-06	8.3	399	11.2	
	11-Jul-06	8.3	389	12.4	
23-Aug-06	8.1	400	12.0		
20-Sep-06	8.2	394	10.0		
19-Oct-06	8.1	396	8.4		

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
SW21C (cont'd)	23-Nov-06	8.5	313	5.3	12.7
	17-Dec-06	8.2	427	4.6	
	21-Jan-07	8.5	420	3.0	
	18-Feb-07 (2)				
	18-Mar-07	8.3	377	4.7	
	16-Apr-07	8.4	396	5.2	
	13-May-07	8.4	383	8.9	
	17-Jun-07	8.4	428	11.6	
	15-Jul-07	8.1	431	11.0	
	19-Aug-07	7.9	425	10.6	10.4
	17-Sep-07	8.2	401	9.8	10.9
	18-Oct-07	8.0	404	9.9	9.6
	21-Nov-07	8.1	430	5.5	11.0
	9-Dec-07	8.1	394	4.6	11.8
	21-Jan-08	7.8	381	3.9	12.4
	19-Feb-08	8.0	400	4.2	
	17-Mar-08	7.7	409	4.1	
	1-Apr-08	7.7	314	3.9	
	23-Apr-08	8.0	343	8.8	10.4
	21-May-08	7.8	356	7.8	10.3
	17-Jun-08	7.8	400	9.0	
	15-Jul-08	7.3	430	10.2	9.6
	19-Aug-08	7.9	463	9.9	6.4
	16-Sep-08	8.5	428	9.8	8.0
	21-Oct-08	8.2	369	6.4	7.7
	23-Nov-08	8.5	427	4.2	8.2
	14-Dec-08	7.2	350	4.8	7.0
	18-Jan-09	8.6	402	3.7	10.3
	8-Feb-09		333	4.7	8.6
	15-Mar-09	8.6	265	5.8	
	12-Apr-09	8.6	383	6.9	
	17-May-09	8.2	325	13.5	
	14-Jun-09	7.4	764	9.4	
	12-Jul-09	8.2	409	9.6	
	9-Aug-09	8.1	410	11.4	10.4
	13-Sep-09	7.6	379	10.7	10.6
11-Oct-09	8.2	431	6.2		
15-Nov-09	7.7	375	5.7		
13-Dec-09	7.9	420	2.9	12.3	
17-Jan-10	8.5	397	3.9	12.1	
7-Feb-10	8.0	408	3.0	12.3	
14-Mar-10	7.8	393	5.1	12.1	
4-Apr-10					
11-Apr-10	7.9	403	6.4		
16-May-10	8.3	274	8.8	11.3	
23-May-10					
13-Jun-10	8.3	280	9.6	11.9	
18-Jul-10	8.2	299	11.4	14.1	
15-Aug-10	8.4	282	10.9	11.0	
12-Sep-10	8.3	229	9.3	10.9	

Surface Water Station	PWQO	pH (su)	EC (µS/cm)	T (°C)	DO
		6.5 - 8.5	nc	nc	a
SW21C (cont'd)	17-Oct-10	8.1	286	7.7	10.7
	14-Nov-10	8.1	256	6.4	11.8
	19-Dec-10	8.3	223	3.7	12.8
	16-Jan-11	8.6	165	4.6	11.9
	20-Feb-11	8.1	240	3.7	12.1
	13-Mar-11	8.3	239	4.9	11.3
	17-Mar-11				
	18-Mar-11				
	20-Mar-11				
	1-Apr-11				
	5-Apr-11				
	8-Apr-11				
	12-Apr-11				
	15-Apr-11				
	17-Apr-11	8.3	266	5.7	12.3
	20-Apr-11				
	21-Apr-11				
	26-Apr-11				
	29-Apr-11				
	3-May-11				
	6-May-11				
	10-May-11				
	13-May-11				
	15-May-11	7.9	238	7.3	12.3
	16-May-11				
	18-May-11				
	19-May-11				
	20-May-11				
	27-May-11				
	3-Jun-11				
	12-Jun-11	8.3	255	9.7	12.4
	17-Jul-11	8.2	295	11.3	9.0
	14-Aug-11	8.6	218	11.3	10.4
	18-Sep-11	8.5	261	9.7	10.4
	16-Oct-11	8.1	288	8.3	10.2
	20-Nov-11	7.7	183	5.0	12.4
	20-Dec-11	8.3	199	4.5	11.6
	15-Jan-12	8.4	212	3.7	11.8
	19-Feb-12	8.0	213	4.4	12.8
	18-Mar-12	8.0	213	8.1	12.8
15-Apr-12	8.8	268	6.4	12.0	
13-May-12	8.2	265	9.0	7.5	
17-Jun-12	8.3	322	11.6	11.8	
16-Jul-12	8.3	333	13.0	7.3	
14-Aug-12	8.1	456	11.0	7.6	
18-Sep-12	7.5	311	10.2	10.2	
17-Oct-12	6.7	217	8.6	8.2	
20-Nov-12	7.8	293	6.8	9.2	
12-Dec-12		442	3.3	14.7	
18-Dec-12	7.7	609	5.7	9.5	

**Table C-3 Surface Water Field Chemical Results**

Surface Water Station	PWQO	pH (su)	EC (µS/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
SW21C (cont'd)	16-Jan-13	7.9	300	4.3	10.8
	17-Feb-13 (2)				
	20-Mar-13	8.4	238	4.1	7.7
	16-Apr-13	8.1	238	6.4	9.9
	13-May-13	8.1	260	7.6	6.7
	19-Jun-13	8.1	273	9.3	11.6
	16-Jul-13	8.1	324	11.8	10.1
	21-Aug-13	8.2	305	11.3	10.4
	18-Sep-13	7.9	291	9.0	12.0
	16-Oct-13	8.4	294	9.6	6.6
	19-Nov-13	8.5	270	5.4	2.5
	15-Dec-13 (2)				
	19-Jan-14 (2)				
	16-Feb-14 (2)				
	16-Mar-14 (2)				
	16-Apr-14	8.2	263	5.1	10.6
	13-May-14	8.1	265	8.8	10.5
	17-Jun-14	8.3	298	10.1	12.0
	15-Jul-14	7.7	330	10.9	8.7
	19-Aug-14	8.6	353	10.4	8.3
	9-Sep-14	8.8	356	10.8	4.3
	22-Oct-14	8.2	353	7.6	6.8
	16-Nov-14 (2)				
	16-Dec-14	9.3	313	4.9	
	20-Jan-15	7.7	143	1.6	1.2
	15-Feb-15 (3)				
	18-Mar-15	8.4	214	2.8	13.8
	22-Apr-15	8.0	304	6.0	14.5
	19-May-15	8.3	267	8.8	
	15-Jun-15	8.1	325	10.0	10.4
	21-Jul-15	8.1	323	10.9	
	11-Aug-15	8.3	339	10.7	10.6
	25-Aug-15	8.3	297	10.7	10.9
	8-Sep-15	7.4	337	12.1	10.6
	15-Oct-15	8.1	297	8.7	10.0
	8-Nov-15				
	18-Nov-15	8.1	332	7.5	11.1
	8-Dec-15	7.9	316	5.7	12.9
	19-Jan-16	8.2	249	2.1	13.8
	17-Feb-16	8.0	288	3.6	13.7
15-Mar-16	7.9	275	6.2	12.4	
21-Apr-16	8.1	283	7.3	13.4	
18-May-16	8.5	328	7.9	12.3	
23-Jun-16	8.5	316	9.5	11.6	
5-Jul-16	8.4	324	10.9	16.6	
21-Jul-16	8.5	342	11.9	10.5	
9-Aug-16	8.4	426	11.6	13.1	
24-Aug-16	8.4	336	12.2	11.1	
19-Sep-16	8.4	334	11.4	10.9	
18-Oct-16	8.3	340	11.7	13.6	

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
SW21C (cont'd)	24-Oct-16	7.6	311	7.3	13.1
	16-Nov-16	8.2	308	7.3	10.7
	25-Jan-17	8.3	296	4.8	11.7
	17-Feb-17	8.3	307	3.3	14.5
	22-Mar-17	8.5	304	2.6	12.2
	19-Apr-17	7.4	270	6.3	13.2
	8-May-17	8.2	224	6.9	14.2
	16-May-17	8.5	197	10.8	10.8
	28-Jun-17	8.3	318	9.8	11.5
	7-Jul-17	8.2	288	10.9	11.6
	19-Jul-17	8.2	336	10.9	11.1
	2-Aug-17	8.0	311	10.5	12.0
	16-Aug-17	8.3	330	10.3	11.1
	19-Sep-17	8.2	326	10.4	11.0
	18-Oct-17	8.3	320	8.6	11.4
	15-Nov-17	8.4	311	5.5	12.9
	14-Dec-17	8.4	281	3.0	12.2
	18-Jan-18	8.0	269	3.4	9.2
	23-Feb-18	8.4	259	5.2	6.7
	21-Mar-18	8.3	270	3.2	12.5
	19-Apr-18	8.4	247	3.1	11.1
	9-May-18	8.3	403	8.0	11.2
	15-May-18	8.2	398	8.2	10.8
	18-Jun-18	8.3	432	9.8	10.5
	19-Jul-18	8.2	429	10.4	10.5
	24-Aug-18	8.4	433	11.5	10.4
	20-Sep-18	8.4	431	11.0	10.2
	25-Oct-18	8.4	434	5.9	11.5
	22-Nov-18	8.5		2.7	12.8
	13-Dec-18	8.5	423	4.4	12.2
	19-Jan-19	8.3	419	3.0	12.8
	28-Feb-19 (2)				
	19-Mar-19	8.4	377	4.4	12.2
	25-Apr-19	8.3	318	6.6	11.0
	16-May-19	8.4	358	7.8	11.5
	27-May-19	8.4	373	9.4	10.9
	21-Jun-19	8.4	382	9.8	10.7
	30-Jul-19	8.4	392	11.6	10.0
	30-Aug-19 (1)				
	27-Sep-19 (1)				
	22-Oct-19 (1)				
21-Nov-19 (2)					
20-Dec-19 (2)					
24-Jan-20	8.4	392	4.3	12.2	
21-Feb-20 (2)					
25-Mar-20 (2)					
28-Apr-20	8.5	344	6.6	11.7	
20-May-20	8.3	410	8.7	11.2	
28-May-20	10.0	376	10.7	10.4	
24-Jun-20 (1)					



Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
SW21C (cont'd)	31-Jul-20	8.7	407	11.9	10.1
	26-Aug-20	8.3	380	11.3	10.4
	26-Sep-20	8.2	380	10.3	
	29-Oct-20	7.1	401	9.4	8.1
	27-Nov-20	8.2	415	5.9	11.9
	22-Dec-20	8.3	417	4.8	12.4
	28-Jan-21	8.2	395	1.9	10.4
	23-Feb-21	7.9	360	0.1	10.2
	30-Mar-21	8.3	366	5.1	9.9
	28-Apr-21	7.6	466	7.9	7.9
	26-May-21	8.1	402	10.3	10.9
	23-Jun-21	8.2	420	10.1	10.9
	10-Jul-21	8.3	420	11.0	10.6
	23-Jul-21	8.3	419	10.9	10.8
	11-Aug-21			13.5	
	26-Aug-21	8.3	439	13.2	10.4
	27-Sep-21	8.2	445	9.5	11.2
	27-Oct-21 (3)				
	22-Nov-21	8.1	397	4.2	10.2
	22-Dec-21	8.2	402	4.0	10.4
	24-Jan-22 (2)				
	8-Feb-22 (2)				
	16-Mar-22 (2)				
	21-Apr-22	8.5	506	1.3	12.7
	25-May-22	8.3	424	9.2	11.4
	24-Jun-22	8.0	479	10.7	11.5
	8-Jul-22			10.2	
	11-Aug-22			11.2	
	29-Aug-22			11.9	
	29-Sep-22			9.1	
	27-Oct-22			7.2	
	17-May-23	8.4	390	7.2	11.3
	26-Jun-23	8.0		13.4	
11-Jul-23	8.6		11.6		
26-Jul-23	8.5		11.6		
14-Aug-23	8.1		11.1		
29-Aug-23	7.8		10.8		
25-Sep-23	8.4		10.6		
31-Oct-23	8.4		6.2		
SW22	26-Jun-03			9.7	
	11-Feb-04	7.9	382	6.0	9.8
	17-Mar-04		566	6.7	9.2
	21-Apr-04	7.4	301	6.5	
	19-May-04	7.3	374	7.1	
	24-Jun-04	7.3	386	7.1	
	29-Jul-04	7.2	354	7.2	
	26-Aug-04	7.3	362	7.5	
	22-Sep-04	7.7	376	8.6	
	20-Oct-04	7.2	373	7.9	10.8
17-Nov-04	7.7	383	7.9	11.2	

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
SW22 (cont'd)	16-Dec-04	7.4	369	7.1	12.1
	16-Jan-05 (2)				
	13-Feb-05 (2)				
	29-Mar-05	7.5	369	6.7	
	11-Apr-05	6.8	329	6.9	
	26-May-05	6.8	383	7.6	
	28-Jun-05	8.2	396	8.1	
	11-Jul-05	7.3	390	8.4	11.8
	22-Aug-05	9.0	380	8.6	
	27-Sep-05	7.7	373	8.8	11.6
	25-Oct-05	8.0	479	7.7	
	15-Nov-05	7.9	367	7.5	11.7
	14-Dec-05	8.1	372	4.9	12.0
	18-Jan-06	8.0	338	6.4	12.1
	19-Feb-06 (2)				
	21-Mar-06	8.0	380	6.8	11.9
	19-Apr-06	7.8	416	7.6	
	23-May-06	7.9	478	8.4	
	20-Jun-06	7.7	467	8.8	
	11-Jul-06	8.1	457	9.5	
	23-Aug-06	7.9	467	10.2	
	20-Sep-06	8.0	455	9.2	
	19-Oct-06	8.0	462	8.6	
	23-Nov-06	7.9	483	7.4	11.8
	17-Dec-06	7.6	515	7.3	
	21-Jan-07	7.9	495	5.7	12.2
	18-Feb-07	8.1	490	5.0	
	18-Mar-07	7.7	480	5.8	
	17-Apr-07	8.0	471	6.8	12.0
	13-May-07	8.1	426	8.4	
	17-Jun-07	8.0	505	8.1	
	15-Jul-07	7.9	506	8.4	11.3
	19-Aug-07	7.9	500	8.5	11.2
	17-Sep-07	7.9	465	8.5	10.1
	18-Oct-07	8.0	465	9.1	10.0
	21-Nov-07	7.9	503	7.0	
	11-Dec-07	8.0	435	6.1	11.3
	22-Jan-08	7.7	463	7.1	
	20-Feb-08	7.9	484	6.5	
	18-Mar-08	7.9	488	6.4	
2-Apr-08	7.8	450	6.8	11.3	
23-Apr-08	8.0	393	7.1	10.9	
21-May-08	7.4	430	6.9	9.2	
17-Jun-08	8.1	466	7.3	10.6	
16-Jul-08	7.7	490	8.3	9.4	
19-Aug-08	7.7	533	8.1	7.0	
16-Sep-08	7.8	476	8.0	6.7	
22-Oct-08	7.9	438	7.4	6.7	
23-Nov-08 (2)					
14-Dec-08	7.4	402	6.9	7.1	

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	DO
		6.5 - 8.5	nc	nc	a
SW22 (cont'd)	18-Jan-09	8.0	468	6.6	7.2
	8-Feb-09		427	6.4	7.9
	15-Mar-09	8.1	410	7.1	
	12-Apr-09	8.2	429	7.1	
	17-May-09	7.9	376	8.0	11.8
	14-Jun-09	8.2	890	7.9	
	12-Jul-09	7.6	474	8.7	
	9-Aug-09	8.8	491	8.4	
	13-Sep-09	7.7	451	9.0	
	11-Oct-09	8.6	501	7.5	
	15-Nov-09	7.9	428	7.2	
	13-Dec-09	7.9	475	6.3	11.8
	17-Jan-10	8.3	462	6.1	12.3
	7-Feb-10	7.7	468	6.0	12.3
	14-Mar-10	7.6	465	7.1	12.1
	4-Apr-10				
	11-Apr-10	8.2	455	7.3	
	16-May-10	7.9	283	7.6	11.8
	23-May-10				
	13-Jun-10	7.8	300	7.4	15.2
	18-Jul-10	8.0	317	8.0	15.2
	15-Aug-10	8.2	325	8.4	12.6
	12-Sep-10	8.2	350	8.2	11.4
	17-Oct-10	7.8	346	7.9	11.3
	14-Nov-10	7.9	263	7.7	10.1
	19-Dec-10	8.1	290	7.1	10.7
	16-Jan-11	8.0	304	6.9	11.6
	20-Feb-11	7.8	298	3.8	8.6
	13-Mar-11	8.2	205	7.3	12.2
	17-Mar-11				
	18-Mar-11				
	20-Mar-11	7.9	166	7.0	11.5
	1-Apr-11				
	5-Apr-11				
	8-Apr-11				
	12-Apr-11				
15-Apr-11					
17-Apr-11	8.1	310	6.7	8.5	
20-Apr-11					
21-Apr-11					
26-Apr-11					
29-Apr-11					
3-May-11					
6-May-11					
10-May-11					
13-May-11					
15-May-11	7.1	283	7.1	12.4	
16-May-11					
18-May-11					
19-May-11					

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
SW22 (cont'd)	20-May-11				
	27-May-11				
	3-Jun-11				
	12-Jun-11	8.0	267	8.4	12.7
	17-Jul-11	8.0	242	8.6	14.0
	14-Aug-11	8.7	225	8.8	11.2
	18-Sep-11	8.8	292	8.9	11.8
	16-Oct-11	8.0	341	8.3	11.4
	20-Nov-11	8.4	329	7.1	10.1
	18-Dec-11	8.5	262	7.2	10.3
	15-Jan-12	8.3	262	6.7	9.8
	19-Feb-12	8.2	280	6.9	11.4
	18-Mar-12	7.7	251	7.5	9.2
	15-Apr-12	8.7	314	7.4	13.1
	13-May-12	8.2	401	7.4	13.5
	17-Jun-12	7.8	344	8.6	7.8
	16-Jul-12	8.3	346	8.6	7.9
	15-Aug-12	8.2	420	8.7	6.9
	18-Sep-12	7.7	340	8.6	10.8
	18-Oct-12	8.2	313	8.9	8.7
	21-Nov-12	7.7	291	7.9	4.0
	20-Dec-12	7.5	716	7.2	10.4
	16-Jan-13	7.9	365	7.2	10.6
	20-Feb-13	8.0	301	6.8	12.1
	20-Mar-13	7.8	300	6.2	13.0
	17-Apr-13	7.6	310	7.1	9.9
	14-May-13	7.7	295	7.0	10.0
	19-Jun-13	8.1	310	7.6	12.4
	17-Jul-13	7.9	309	8.4	8.9
	21-Aug-13	8.0	338	8.4	11.8
	19-Sep-13	8.0	331	8.7	6.8
	17-Oct-13	8.3	313	8.2	6.3
	20-Nov-13	8.4	331	7.3	2.8
	15-Dec-13 (2)				
	22-Jan-14	7.6	220	1.7	3.9
	16-Feb-14 (2)				
	19-Mar-14	7.7	256	3.4	6.5
	17-Apr-14	7.9	345	6.8	10.3
	13-May-14	7.2	322	8.6	10.5
	17-Jun-14	7.7	300	8.7	12.3
	15-Jul-14	8.8	387	9.0	4.0
19-Aug-14	8.6	380	9.4	10.4	
9-Sep-14	9.0	386	9.2	4.2	
20-Oct-14	8.8	380	9.0	4.9	
16-Nov-14 (2)					
17-Dec-14	8.4	377	7.1		
21-Jan-15	7.8	367	6.3	1.4	
15-Feb-15 (3)					
19-Mar-15	7.9	268	5.4	11.0	
23-Apr-15	7.7	358	6.7	13.5	

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
SW22 (cont'd)	20-May-15	7.9	293	7.6	15.0
	15-Jun-15	7.9	348	7.8	10.9
	22-Jul-15	7.8	296	8.2	11.4
	12-Aug-15	8.1	357	8.4	11.6
	23-Aug-15				
	9-Sep-15	7.8	352	9.1	8.9
	16-Oct-15	7.8	330	7.9	11.2
	8-Nov-15				
	19-Nov-15	7.6	387	8.3	13.2
	8-Dec-15	7.9	371	7.0	12.4
	20-Jan-16	7.8	350	6.1	11.7
	18-Feb-16	7.7	332	4.3	12.6
	15-Mar-16	7.5	339	6.9	12.1
	21-Apr-16	7.6	324	7.1	13.4
	18-May-16	8.0	373	7.7	11.8
	22-Jun-16	7.9	343	8.0	12.3
	3-Jul-16				
	21-Jul-16	8.0	365	8.7	12.7
	7-Aug-16				
	25-Aug-16	8.1	358	9.6	12.4
	19-Sep-16	8.1	515	9.4	8.9
	17-Oct-16	8.0	420	9.5	10.3
	15-Nov-16	8.1	361	8.1	11.4
	12-Dec-16	8.4	503	5.5	14.1
	25-Jan-17	7.6	381	7.3	10.0
	16-Feb-17	8.1	361	4.9	13.2
	21-Mar-17	8.1	384	7.2	11.1
	19-Apr-17	7.1	333	7.2	12.9
	16-May-17	8.3	444	6.4	12.6
	28-Jun-17	7.8	340	7.1	12.4
	7-Jul-17				
	20-Jul-17	8.1	344	7.3	11.8
	27-Jul-17				
	16-Aug-17	7.7	350	7.3	11.0
	19-Sep-17	7.8	356	8.1	11.6
	17-Oct-17	8.1	358	8.1	11.1
	15-Nov-17	8.0	372	7.5	11.7
	14-Dec-17	7.4	371	7.4	12.3
	17-Jan-18	7.7	342	6.5	10.9
	23-Feb-18	7.8	330	6.7	8.4
20-Mar-18	7.7	341	6.4	15.0	
18-Apr-18	8.1	541	6.4	10.7	
15-May-18	7.6	473	7.6	11.2	
18-Jun-18	7.7	487	17.9	11.2	
18-Jul-18	7.7	495	8.9	10.9	
23-Aug-18	8.0	503	8.8	10.7	
20-Sep-18	8.0	501	8.9	10.8	
24-Oct-18	8.3	711	3.5	12.0	
21-Nov-18	8.1		6.3	11.0	
12-Dec-18	8.1	501	7.1	11.5	

Surface Water Station	PWQO	pH (su)	EC (µS/cm)	T (°C)	DO
		6.5 - 8.5	nc	nc	a
SW22 (cont'd)	18-Jan-19	7.7	490	7.0	11.3
	26-Feb-19	7.9	484	6.3	11.6
	15-Mar-19	7.8	473	6.7	11.3
	24-Apr-19	7.7	420	6.8	11.5
	23-May-19	7.7	416	7.3	11.2
	18-Jun-19	7.8	444	7.7	11.3
	29-Jul-19	7.9	472	8.2	11.0
	29-Aug-19	7.9	511	10.1	10.2
	26-Sep-19	8.2	534	11.4	10.2
	23-Oct-19	8.1	454	9.6	10.2
	22-Nov-19	7.7	399	0.2	10.2
	20-Dec-19 (2)				
	15-Jan-20 (2)				
	20-Feb-20 (2)				
	26-Mar-20 (2)				
	27-Apr-20				
	29-May-20	8.2	445	7.3	11.2
	23-Jun-20	8.6	639	8.8	10.6
	30-Jul-20	8.7	646	14.9	9.2
	25-Aug-20	8.1	588	15.4	9.1
	25-Sep-20	8.0	590	13.6	10.2
	30-Oct-20	8.0	444	9.0	10.3
	26-Nov-20	8.1	565	5.0	11.6
	22-Dec-20 (2)				
	27-Jan-21 (2)				
	22-Feb-21 (2)				
	29-Mar-21	8.1	423	6.0	11.0
	27-Apr-21	7.3	427	7.6	11.8
	27-May-21	7.2	405	12.0	11.6
	22-Jun-21	7.7	489	7.4	11.3
	22-Jul-21	8.0	497	9.4	11.3
	25-Aug-21	7.8	452		11.4
	28-Sep-21	7.5	495	8.1	11.3
	26-Oct-21	7.4	493	8.3	11.1
	23-Nov-21 (2)				
	21-Dec-21 (2)				
	24-Jan-22 (2)				
	8-Feb-22 (2)				
	16-Mar-22 (2)				
	21-Apr-22	7.1	568	0.1	10.6
24-May-22	8.0	422	10.5	9.1	
24-Jun-22	7.7	648	12.5	11.0	
30-Aug-22			11.4		
27-Sep-22			10.3		
28-Oct-22			7.9		
23-Nov-22			6.8		
16-May-23			7.6		
27-Jun-23			8.0		
26-Jul-23			8.0		
30-Aug-23			8.3		

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	DO
		6.5 - 8.5	nc	nc	a
SW22 (cont'd)	26-Sep-23			9.0	
	31-Oct-23			8.0	
SW22A	11-Feb-04	8.7	453	2.4	10.8
	17-Mar-04	8.7	618	2.0	10.1
	21-Apr-04	7.9	393	5.6	
	19-May-04	7.8	496	5.6	
	24-Jun-04	8.2	548	7.6	
	29-Jul-04	8.1	607	10.3	
	26-Aug-04	8.1	586	7.4	
	22-Sep-04	8.1	690	13.5	10.4
	20-Oct-04	7.9	582	6.5	11.8
	17-Nov-04	7.9	642	7.7	10.9
	15-Dec-04 (2)				
	16-Jan-05 (2)				
	13-Feb-05 (2)				
	29-Mar-05	8.1	676	4.9	
	11-Apr-05	7.4	389	5.1	
	26-May-05	7.1	390	7.5	
	28-Jun-05	8.4	629	10.0	
	11-Jul-05	7.3	655	11.5	10.7
	22-Aug-05	9.0	640	11.3	
	27-Sep-05	7.8	597	8.5	
	25-Oct-05	8.7	750	6.1	
	15-Nov-05	7.8	506	5.9	11.7
	14-Dec-05	8.3	646	4.2	12.6
	18-Jan-06	7.4	469	3.2	
	19-Feb-06 (2)				
	21-Mar-06	8.3	545	5.5	
	19-Apr-06	8.1	581	6.5	
	23-May-06	8.3	724	11.9	
	20-Jun-06	8.2	695	11.6	
	11-Jul-06	8.4	700	13.8	
	23-Aug-06	8.2	733	13.3	
	20-Sep-06	8.3	732	10.8	
	19-Oct-06	8.2	751	8.9	
	23-Nov-06	8.4	680	6.1	12.4
	17-Dec-06	8.2	713	6.0	
21-Jan-07	8.4	689	2.3		
18-Feb-07 (2)					
18-Mar-07	8.4	703	1.9		
17-Apr-07	8.4	649	4.8		
13-May-07	8.4	614	9.3		
17-Jun-07	8.2	615	8.8		
15-Jul-07	8.0	402	10.0	10.8	
17-Sep-07	8.2	697	9.1	10.6	
18-Oct-07	8.6		10.4		
21-Nov-07	7.9	779	4.6	11.1	
11-Dec-07	8.1	372	2.3	13.1	
20-Feb-08	8.1	654	3.5		
18-Mar-08	7.9	688	3.5		

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	DO
		6.5 - 8.5	nc	nc	a
SW22A (cont'd)	2-Apr-08	7.7	526	5.1	12.5
	23-Apr-08	7.7	523	8.6	10.2
	21-May-08	7.7	576	6.6	10.8
	17-Jun-08	8.1	656	9.5	
	16-Jul-08	7.7	709	10.0	
	19-Aug-08	7.8	816	9.9	
	16-Sep-08	7.7	724	8.5	
	22-Oct-08	7.9	606	5.8	
	23-Nov-08	8.1	625	5.3	
	14-Dec-08	7.3	503	2.5	
	18-Jan-09	8.5	631	0.2	12.8
	8-Feb-09		525	4.5	9.0
	15-Mar-09	8.6	520	5.5	
	12-Apr-09	8.2	429	7.1	
	17-May-09	8.5	494	11.5	
	14-Jun-09	8.3	1,259	10.0	
	12-Jul-09	8.3	593	10.3	
	9-Aug-09	7.5	725	7.5	
	13-Sep-09	8.1	605	12.0	
	11-Oct-09	8.3	719	6.4	12.1
	15-Nov-09	7.7	569	6.4	12.4
	13-Dec-09	7.9	507	0.9	11.8
	17-Jan-10	8.4	518	0.7	11.4
	7-Feb-10	7.6	586	0.0	11.6
	14-Mar-10	7.4	575	6.1	12.6
	4-Apr-10				
	11-Apr-10	8.1	607	7.8	
	16-May-10	8.3	396	9.3	11.8
	23-May-10				
	13-Jun-10	8.3	439	9.8	14.6
	18-Jul-10	8.3	438	8.8	15.2
	15-Aug-10	8.3	368	10.0	10.5
	12-Sep-10	8.4	467	9.3	11.1
	17-Oct-10	8.1	424	7.0	11.4
	14-Nov-10	8.2	262	6.5	10.1
	19-Dec-10	8.3	363	3.6	11.5
	16-Jan-11	8.3	354	2.7	12.7
	20-Feb-11	8.0	383	3.6	10.6
	13-Mar-11	8.4	314	5.8	13.1
	17-Mar-11				
	18-Mar-11				
20-Mar-11	7.6	407	5.1	12.0	
1-Apr-11					
5-Apr-11					
8-Apr-11					
12-Apr-11					
15-Apr-11					
17-Apr-11	8.3	347	4.6	9.1	
20-Apr-11					
21-Apr-11					



Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
SW22A (cont'd)	26-Apr-11				
	29-Apr-11				
	3-May-11				
	6-May-11				
	10-May-11				
	13-May-11				
	15-May-11	7.6	273	6.9	12.7
	16-May-11				
	18-May-11				
	19-May-11				
	20-May-11				
	27-May-11				
	3-Jun-11				
	12-Jun-11	8.4	375	8.2	12.5
	17-Jul-11	8.4	484	11.8	13.3
	14-Aug-11	8.7	338	11.9	10.0
	18-Sep-11	8.6	392	11.0	10.6
	16-Oct-11	8.1	483	8.5	10.9
	20-Nov-11	8.3	396	4.4	11.6
	18-Dec-11	8.6	302	5.2	11.0
	15-Jan-12	8.6	325	2.5	11.2
	19-Feb-12	8.3	329	4.0	12.1
	18-Mar-12	8.2	358	9.2	8.2
	15-Apr-12	8.7	407	7.0	12.9
	13-May-12	7.8	308	7.4	13.3
	17-Jun-12	8.4	506	11.8	7.1
	16-Jul-12	8.5	508	11.9	7.5
	15-Aug-12	8.4	486	9.6	6.8
	18-Sep-12	7.8	491	9.7	10.2
	18-Oct-12	8.4	379	8.8	8.2
	21-Nov-12	7.9	350	8.3	4.1
	20-Dec-12	7.8	889	4.6	11.1
	16-Jan-13	8.1	383	6.4	10.8
	20-Feb-13	8.3	203	2.9	14.0
	20-Mar-13	8.2	375	4.4	7.3
	17-Apr-13	7.9	335	6.6	10.5
	14-May-13	8.0	375	6.2	9.2
	19-Jun-13	8.2	443	9.4	11.0
	17-Jul-13	8.2	469	11.0	8.6
	21-Aug-13	8.2	467	10.7	11.6
19-Sep-13	8.2	506	12.0	6.5	
17-Oct-13	8.6	422	9.2	6.2	
20-Nov-13	8.3	429	5.6	2.0	
15-Dec-13 (2)					
19-Jan-14 (2)					
16-Feb-14 (2)					
16-Mar-14 (2)					
17-Apr-14	8.0	489	5.2	11.3	
13-May-14	7.3	322	8.4	10.4	
17-Jun-14	8.4	410	9.4	10.4	

Surface Water Station	PWQO	pH (su)	EC (µS/cm)	T (°C)	DO
		6.5 - 8.5	nc	nc	a
SW22A (cont'd)	15-Jul-14	8.7	540	9.8	6.9
	19-Aug-14	8.7	542	10.0	11.0
	16-Nov-14 (2)				
	21-Jan-15	8.0	446	2.2	1.3
	15-Feb-15 (3)				
	19-Mar-15	7.7	369	1.3	14.8
	23-Apr-15	8.1	443	4.1	13.7
	20-May-15	8.5	411	9.5	14.6
	15-Jun-15	8.3	484	8.4	11.3
	22-Jul-15	8.3	484	8.3	11.8
	12-Aug-15	8.3	509	9.4	11.0
	23-Aug-15				
	16-Oct-15	8.0	418	6.9	11.6
	8-Nov-15				
	19-Nov-15	7.8	553	8.3	13.2
	8-Dec-15	8.1	476	4.5	12.7
	20-Jan-16	8.1	391	2.7	13.5
	18-Feb-16	7.9	441	3.2	14.1
	15-Mar-16	7.8	348	5.3	12.8
	21-Apr-16	7.9	407	7.3	13.7
	18-May-16	8.6	517	10.1	12.0
	22-Jun-16	8.5	496	11.0	11.3
	3-Jul-16				
	21-Jul-16	8.4	513	11.6	11.4
	7-Aug-16				
	25-Aug-16	8.5	525	13.1	11.0
	19-Sep-16	8.3	690	11.7	8.2
	17-Oct-16	8.2	508	8.3	11.0
	15-Nov-16	8.1	496	8.3	10.9
	12-Dec-16	8.0	730	1.1	14.6
	12-Jan-17	8.1	495	5.3	11.7
	16-Feb-17	8.4	436	3.2	14.6
	21-Mar-17	8.2	488	4.9	12.1
	19-Apr-17	7.8	492	8.9	13.1
	16-May-17	8.1	3	7.0	11.7
	28-Jun-17	8.2	471	8.6	12.1
	7-Jul-17				
	20-Jul-17	8.4	517	8.3	12.0
	27-Jul-17				
	16-Aug-17	8.3	506	10.3	11.3
19-Sep-17	8.2	557	10.1	10.8	
17-Oct-17	8.3	529	9.8	10.5	
15-Nov-17	8.3	465	5.4	13.6	
14-Dec-17	7.8	465	5.7	13.5	
17-Jan-18	7.9	421	2.2	13.2	
23-Feb-18	8.2	361	4.0	10.4	
20-Mar-18	8.2	420	2.7	17.7	
18-Apr-18	8.6	655	4.5	12.2	
15-May-18	7.9	611	5.8	11.6	
18-Jun-18	8.1	693	9.8	11.0	

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	DO
		6.5 - 8.5	nc	nc	a
SW22A (cont'd)	18-Jul-18	8.2	652	14.7	9.3
	23-Aug-18	8.3	677	8.8	10.5
	19-Sep-18	8.3	704	10.8	10.3
	24-Oct-18	8.2	496	7.6	11.2
	21-Nov-18	8.4	484	1.7	12.9
	12-Dec-18	8.4	657	3.9	12.7
	18-Jan-19	8.2	672	3.6	12.6
	26-Feb-19 (2)				
	15-Mar-19	8.3	584	3.5	12.5
	24-Apr-19	8.3	483	6.1	12.0
	23-May-19	8.4	570	11.0	10.6
	18-Jun-19	8.4	612	7.6	11.3
	29-Jul-19	8.3	632	11.3	10.1
	29-Aug-19	8.3	554	11.1	10.7
	26-Sep-19	8.0	479	12.2	10.1
	23-Oct-19	8.0	502	9.1	10.3
	22-Nov-19	8.1	407	0.3	9.5
	20-Dec-19 (2)				
	15-Jan-20 (2)				
	20-Feb-20 (2)				
	26-Mar-20 (2)				
	27-Apr-20	8.4	569	6.8	11.7
	29-May-20	8.9	355	8.3	11.0
	23-Jun-20	7.9	452	7.5	10.8
	30-Jul-20	8.1	466	11.3	10.4
	25-Aug-20	7.6	439	9.4	10.7
	25-Sep-20	7.5	425	8.8	10.9
	30-Oct-20	7.9	476	8.5	10.6
	26-Nov-20	7.6	484	7.7	10.9
	22-Dec-20 (2)				
	27-Jan-21 (2)				
	22-Feb-21 (2)				
	29-Mar-21	8.2	362	6.8	6.5
	27-Apr-21	7.7	557	8.6	11.8
	27-May-21	7.6	466	9.8	10.5
	22-Jun-21	8.3	654	7.7	11.4
	22-Jul-21	8.4	627	10.3	10.9
	25-Aug-21	8.2	619		10.1
	28-Sep-21	8.1	680	8.9	11.4
	26-Oct-21	8.0	646	8.6	11.2
23-Nov-21 (2)					
21-Dec-21 (2)					
24-Jan-22 (2)					
8-Feb-22 (2)					
16-Mar-22 (2)					
21-Apr-22	8.1	594	1.1	11.1	
24-May-22	7.8	586	9.9	9.8	
24-Jun-22			9.5		
30-Aug-22			10.8		
29-Sep-22			9.7		

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
SW22A (cont'd)	28-Oct-22			6.2	
	23-Nov-22			2.6	
	16-May-23			8.4	
	27-Jun-23			8.9	
	26-Jul-23			10.7	
	30-Aug-23			9.3	
	26-Sep-23			9.9	
	31-Oct-23			6.3	
SW22C	18-Mar-07 (2)				
	17-Apr-07	8.4	547	3.2	13.3
	15-May-07	8.3	548	11.6	10.3
	18-Jun-07	8.5	697	13.3	
	18-Jul-07	8.0	681	14.0	9.9
	22-Aug-07	8.0	704	14.5	9.5
	17-Sep-07	8.0	651	11.0	9.9
	18-Oct-07	8.2	629	11.4	9.3
	21-Nov-07	7.8	625	4.6	10.9
	9-Dec-07 (2)				
	22-Jan-08	7.7	574	2.0	
	20-Feb-08	8.1	531	1.5	
	18-Mar-08	7.8	598	1.7	
	2-Apr-08	7.5	440	2.5	13.0
	23-Apr-08	7.8	461	10.5	8.7
	21-May-08	7.5	518	7.4	10.6
	17-Jun-08	8.0	583	12.1	8.6
	16-Jul-08	7.7	529	14.9	
	19-Aug-08	7.6	746	13.7	
	16-Sep-08	7.7	654	11.0	
	22-Oct-08	7.8	497	5.9	
	23-Nov-08	7.8	571	3.6	
	14-Dec-08	6.9	448	2.5	
	18-Jan-09	8.1	554	1.3	12.5
	8-Feb-09		419	1.8	9.3
	15-Mar-09	8.1	419	3.3	
	12-Apr-09	8.5	471	6.8	
	17-May-09	8.4	462	14.5	
	14-Jun-09	8.4	1,141	12.5	
	12-Jul-09	8.0	652	14.0	10.4
	9-Aug-09	8.4	634	11.6	9.7
	13-Sep-09	8.2	617	14.6	
	11-Oct-09	8.3	610	6.6	12.0
	15-Nov-09	7.7	533	4.7	
13-Dec-09	8.1	354	0.1	12.5	
17-Jan-10	8.2	315	0.1	15.9	
7-Feb-10	8.3	426	0.7	11.5	
14-Mar-10	7.5	468	4.0	13.5	
4-Apr-10					
11-Apr-10	8.1	545	6.9		
16-May-10	8.2	406	10.9	10.4	
23-May-10					

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	DO
		6.5 - 8.5	nc	nc	a
SW22C (cont'd)	13-Jun-10	8.2	450	12.9	12.6
	18-Jul-10	8.1	470	13.6	13.0
	15-Aug-10	8.3	486	13.5	9.7
	12-Sep-10	8.4	478	11.1	10.2
	17-Oct-10	7.8	8	7.3	10.6
	14-Nov-10	8.2	271	6.0	9.4
	19-Dec-10	8.4	300	2.4	11.9
	16-Jan-11	8.2	270	1.4	12.3
	20-Feb-11	8.0	315	1.7	10.1
	13-Mar-11	8.3	279	2.8	13.8
	17-Mar-11				
	18-Mar-11				
	20-Mar-11	7.2	340	2.8	12.8
	1-Apr-11				
	5-Apr-11				
	8-Apr-11				
	12-Apr-11				
	15-Apr-11				
	17-Apr-11	8.5	266	3.0	12.1
	20-Apr-11				
	21-Apr-11				
	26-Apr-11				
	29-Apr-11				
	3-May-11				
	6-May-11				
	10-May-11				
	13-May-11				
	15-May-11	7.3	280	8.5	11.8
	16-May-11				
	18-May-11				
	19-May-11				
	20-May-11				
	27-May-11				
	3-Jun-11				
	12-Jun-11	8.3	375	12.9	10.5
	17-Jul-11	8.4	498	16.1	10.8
	14-Aug-11	8.8	333	15.1	9.5
	18-Sep-11	8.8	403	12.8	6.8
	16-Oct-11	7.9	413	9.2	9.6
	20-Nov-11	8.2	332	3.6	11.7
	18-Dec-11	8.4	241	1.0	12.6
15-Jan-12	8.6	262	0.8	11.9	
19-Feb-12	8.0	182	2.1	12.9	
18-Mar-12	7.8	318	11.4	7.4	
15-Apr-12	8.6	347	6.3	13.4	
13-May-12	8.1	394	10.2	11.9	
17-Jun-12	8.3	526	16.1	7.1	
16-Jul-12	8.8	530	16.1	7.6	
15-Aug-12	8.6	492	13.9	6.3	
18-Sep-12	7.8	468	12.5	8.3	

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
SW22C (cont'd)	18-Oct-12	8.7	392	9.3	9.0
	21-Nov-12	8.1	325	6.4	4.2
	20-Dec-12	7.6	735	2.9	11.4
	16-Jan-13	8.0	344	2.8	11.1
	20-Feb-13	8.2	249	1.3	14.1
	20-Mar-13	8.1	308	2.2	8.9
	17-Apr-13	7.9	284	4.8	9.6
	14-May-13	8.0	319	6.7	8.7
	19-Jun-13	8.4	436	11.3	10.9
	17-Jul-13	8.2	483	15.8	8.8
	18-Aug-13 (1)				
	19-Sep-13	8.3	484	13.4	3.8
	17-Oct-13	9.2	419	10.6	6.0
	20-Nov-13	8.6	351	3.6	2.2
	15-Dec-13 (2)				
	22-Jan-14	7.1	236	(0)	3.5
	16-Feb-14 (2)				
	16-Mar-14 (2)				
	17-Apr-14	7.4	324	2.9	11.7
	13-May-14	7.2	316	10.6	10.4
	17-Jun-14	8.0	440	14.5	9.2
	15-Jul-14	8.6	509	15.0	6.9
	19-Aug-14	8.7	363	13.4	9.7
	9-Sep-14	8.6	584	14.3	5.0
	20-Oct-14	8.3	542	11.3	4.9
	16-Nov-14 (2)				
	17-Dec-14	8.4	350	2.5	
	21-Jan-15	7.3	346	0.5	0.3
	15-Feb-15 (3)				
	15-Mar-15 (2)				
	23-Apr-15	8.2	363	3.5	14.3
	20-May-15	8.3	386	10.5	13.9
	15-Jun-15	8.0	487	12.6	9.7
	22-Jul-15	8.1	524	12.9	10.3
	12-Aug-15	8.1	528	14.2	9.3
	23-Aug-15				
9-Sep-15	7.8	506	17.2	4.8	
16-Oct-15	8.0	417	8.6	10.2	
8-Nov-15					
19-Nov-15	7.7	451	8.3	12.6	
8-Dec-15	7.9	413	3.8	12.5	
20-Jan-16	8.0	352	1.3	13.8	
18-Feb-16	7.8	364	1.2	14.4	
15-Mar-16	7.7	278	3.7	13.1	
21-Apr-16	7.8	368	7.6	12.8	
18-May-16	8.4	456	9.5	11.0	
22-Jun-16	8.4	494	13.3	10.7	
3-Jul-16					
21-Jul-16	8.1	534	14.9	10.5	
7-Aug-16					

**Table C-3 Surface Water Field Chemical Results**

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
SW22C (cont'd)	25-Aug-16	8.5	552	16.8	10.8
	19-Sep-16	8.2	644	14.6	8.0
	18-Oct-16	7.9	619	12.5	9.0
	15-Nov-16	8.0	427	7.5	11.2
	12-Dec-16	8.1	584	1.7	15.0
	25-Jan-17	8.2	397	2.8	12.5
	16-Feb-17	8.1	206	1.1	14.7
	21-Mar-17	8.4	391	3.7	12.2
	19-Apr-17	7.6	402	8.0	13.0
	16-May-17	8.1	456	13.4	9.0
	28-Jun-17	8.2	476	11.1	10.2
	7-Jul-17				
	20-Jul-17	8.3	527	12.4	10.3
	27-Jul-17				
	16-Aug-17	8.3	432	13.5	9.9
	19-Sep-17	8.2	519	13.4	8.7
	17-Oct-17	8.3	497	10.3	9.8
	15-Nov-17	8.2	414	4.5	12.9
	14-Dec-17	7.8	361	1.4	15.6
	17-Jan-18	7.8	342	0.8	14.5
	23-Feb-18	8.0	295	2.1	11.1
	20-Mar-18	8.1	279	0.4	18.5
	18-Apr-18	8.5	529	2.1	12.9
	14-May-18	8.1	539	8.7	10.6
	18-Jun-18	8.2	632	22.8	9.9
	18-Jul-18	8.2	674	10.9	10.0
	23-Aug-18	8.2	626	13.7	9.2
	19-Sep-18	8.3	658	13.8	9.4
	24-Oct-18	8.2	589	5.9	11.2
	21-Nov-18	8.2	616	1.7	12.7
	13-Dec-18	8.2	616	2.8	12.6
	19-Jan-19	8.1	626	2.1	12.9
	26-Feb-19 (2)				
	19-Mar-19	8.0	465	1.6	12.5
	25-Apr-19	8.2	475	5.0	11.6
	27-May-19	8.2	501	10.8	10.0
21-Jun-19	8.3	550	10.7	10.3	
30-Jul-19	8.2	600	15.0	9.2	
30-Aug-19	8.3	499	18.6	10.0	
27-Sep-19	8.3	498	16.5	10.1	
22-Oct-19	8.1	495	9.7	10.1	
21-Nov-19	8.3	422	0.3	9.4	
20-Dec-19 (2)					
15-Jan-20 (2)					
20-Feb-20 (2)					
26-Mar-20 (2)					
28-Apr-20	8.3	487	6.3	11.5	
28-May-20	8.8	535	11.9	9.8	
24-Jun-20	8.5	599	13.3	9.2	
31-Jul-20	8.7	678	10.1	10.3	

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
SW22C (cont'd)	26-Aug-20	8.0	625	11.8	10.0
	26-Sep-20	8.0	600	12.5	11.1
	29-Oct-20	8.0	475	8.8	10.5
	27-Nov-20	8.1	280	6.0	11.7
	22-Dec-20 (2)				
	27-Jan-21 (2)				
	22-Feb-21 (2)				
	29-Mar-21	8.3	504	7.9	11.0
	27-Apr-21	7.7	489	9.0	11.0
	27-May-21	7.3	416	12.1	10.3
	22-Jun-21	8.3	300	10.8	10.4
	22-Jul-21	8.4	660	13.9	9.8
	25-Aug-21	8.2	650		10.1
	28-Sep-21	8.2	612	10.8	10.8
	26-Oct-21	7.9	599	8.8	10.6
	23-Nov-21 (2)				
	21-Dec-21 (2)				
	24-Jan-22 (2)				
	8-Feb-22 (2)				
	16-Mar-22 (2)				
	21-Apr-22	7.6	484	1.3	11.4
	24-May-22	7.5	562	10.2	10.0
	24-Jun-22			9.9	
	30-Aug-22			13.9	
	27-Sep-22			10.4	
	28-Oct-22			6.8	
	23-Nov-22			3.4	
	16-May-23			10.0	
	27-Jun-23			13.2	
	26-Jul-23			13.6	
	30-Aug-23			11.8	
	26-Sep-23			12.1	
31-Oct-23			6.7		
SW24A	21-Apr-04	7.5	274	6.6	
	19-May-04	8.0	357	7.4	
	24-Jun-04	7.5	396	7.4	
	29-Jul-04	7.6	416	7.8	
	26-Aug-04	7.5	432	8.2	
	22-Sep-04	7.6	455	7.8	
	20-Oct-04	7.7	432	7.2	11.7
	17-Nov-04	7.7	440	7.4	11.1
	16-Dec-04	7.7	382	6.7	
	16-Jan-05 (2)				
	13-Feb-05 (2)				
	29-Mar-05	7.8	369	5.6	12.6
	11-Apr-05	7.4	298	6.0	
	26-May-05	7.7	345	7.4	12.1
	28-Jun-05	8.2	404	8.3	
	11-Jul-05	6.9	427	9.1	
	22-Aug-05	8.3	397	10.2	



Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	DO
		6.5 - 8.5	nc	nc	a
SW24A (cont'd)	28-Sep-05	7.7	480	10.4	10.9
	15-Nov-05	7.9	419	6.6	
	12-Dec-05	8.3	405	5.4	11.2
	17-Jan-06	7.9	305	3.0	13.4
	19-Feb-06 (2)				
	22-Mar-06	8.5	284	4.3	
	18-Apr-06	8.3	351	9.0	
	24-May-06	8.3	447	8.9	
	20-Jun-06	8.2	492	11.3	
	11-Jul-06	8.3	468	12.4	
	23-Aug-06	8.0	492	11.8	
	20-Sep-06	7.9	475	10.5	
	19-Oct-06	8.0	508	9.3	
	27-Nov-06	8.1	518	7.0	12.2
	17-Dec-06	8.1	515	4.0	
	21-Jan-07	8.2	520	2.9	
	18-Feb-07 (2)				
	18-Mar-07	8.3	459	3.9	
	17-Apr-07	8.4	417	4.2	
	13-May-07	8.3	441	9.3	11.2
	17-Jun-07	8.1	522	8.5	11.5
	15-Jul-07	8.0	507	11.0	9.9
	19-Aug-07	8.1	519	13.0	
	17-Sep-07	7.9	506	9.8	9.7
	18-Oct-07	7.8	525	10.7	9.0
	19-Nov-07	7.9	572	4.8	11.6
	10-Dec-07	8.0	505	4.2	12.6
	21-Jan-08	7.6	390	2.9	
	19-Feb-08	7.9	453	3.0	
	17-Mar-08	7.1	466	2.0	
	2-Apr-08	7.1	466	2.0	
	23-Apr-08	8.0	351	9.6	
	6-May-08	7.1	421	6.8	
21-May-08	7.6	403	7.2	10.5	
17-Jun-08	7.9	479	8.1	9.8	
15-Jul-08	7.0	511	10.3	8.5	
18-Aug-08	7.4	574	12.8	5.5	
16-Sep-08	8.1	542	9.8	8.2	
21-Oct-08	7.9	480	5.9	7.9	
23-Nov-08	7.5	461	3.5	8.3	
14-Dec-08	7.2	426	2.8	8.0	
18-Jan-09	8.3	252	4.1	9.5	
8-Feb-09	8.9	452	3.5	10.2	
15-Mar-09	8.4	395	4.8		
12-Apr-09	8.4	413	7.1		
17-May-09	7.8	378	14.0		
14-Jun-09	7.6	911	9.1		
12-Jul-09	8.5	502	9.6		
9-Aug-09	6.8	362	11.2	10.3	
13-Sep-09	7.8	472	10.4		

Surface Water Station	PWQO	pH (su)	EC (µS/cm)	T (°C)	DO
		6.5 - 8.5	nc	nc	a
SW24A (cont'd)	11-Oct-09	8.4	554	7.0	
	15-Nov-09	7.3	488	4.8	
	13-Dec-09	7.7	545	3.4	
	17-Jan-10	8.7	508	3.5	11.0
	7-Feb-10	7.7	368	2.4	12.6
	14-Mar-10	8.0	460	4.9	12.9
	4-Apr-10				
	11-Apr-10	7.8	430	5.4	
	16-May-10	8.2	318	9.8	10.6
	23-May-10				
	13-Jun-10	8.2	334	9.8	12.6
	18-Jul-10	8.2	399	12.5	12.7
	15-Aug-10	8.3	336	12.3	9.8
	12-Sep-10	8.2	403	10.1	10.5
	17-Oct-10	8.0	290	7.7	11.0
	14-Nov-10	8.3	303	5.9	12.4
	19-Dec-10	8.2	201	4.0	11.8
	16-Jan-11	8.3	292	3.7	12.9
	20-Feb-11	8.0	277	4.3	12.4
	13-Mar-11	8.1	272	4.3	11.5
	17-Mar-11				
	18-Mar-11				
	20-Mar-11				
	1-Apr-11				
	5-Apr-11				
	8-Apr-11				
	12-Apr-11				
	15-Apr-11				
	17-Apr-11	8.2	280	5.4	12.9
	20-Apr-11				
	21-Apr-11				
	26-Apr-11				
	29-Apr-11				
	3-May-11				
	6-May-11				
	10-May-11				
	13-May-11				
	15-May-11	7.7	180	6.9	12.3
	16-May-11				
	18-May-11				
19-May-11					
20-May-11					
27-May-11					
3-Jun-11					
12-Jun-11	8.1	290	8.6	6.7	
17-Jul-11	7.8	356	9.6	9.4	
14-Aug-11	8.5	278	10.6	10.7	
18-Sep-11	8.1	333	10.5	9.3	
16-Oct-11	7.9	356	8.0	11.0	
20-Nov-11	7.5	348	5.0	12.3	

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	DO
		6.5 - 8.5	nc	nc	a
SW24A (cont'd)	18-Dec-11	8.3	139	3.7	12.0
	15-Jan-12	8.4	238	3.1	12.5
	19-Feb-12	8.0	261	3.2	14.1
	18-Mar-12	8.1	264	9.1	10.9
	15-Apr-12	8.5	303	5.7	10.0
	13-May-12	8.1	309	10.2	10.5
	17-Jun-12	8.3	410	13.5	12.9
	16-Jul-12	8.4	427	15.0	6.8
	14-Aug-12	8.1	454	12.5	7.4
	18-Sep-12	7.3	398	11.4	9.6
	17-Oct-12	7.4	354	9.4	7.9
	20-Nov-12	7.8	348	6.7	9.1
	18-Dec-12	7.5	743	6.6	9.5
	16-Jan-13	8.0	317	2.9	11.5
	20-Feb-13	8.0	247	1.9	14.6
	20-Mar-13	8.1	254	2.6	7.0
	16-Apr-13	8.1	248	6.2	10.0
	13-May-13	8.1	239	7.2	10.1
	19-Jun-13	8.3	339	9.8	11.4
	16-Jul-13	8.1	406	12.4	9.8
	21-Aug-13	8.2	406	12.5	9.7
	18-Sep-13	7.8	370	8.3	12.0
	16-Oct-13	8.4	379	10.4	6.5
	19-Nov-13	8.1	324	4.3	2.5
	18-Dec-13	8.6	321	3.7	4.2
	21-Jan-14	7.6	2	1.1	3.3
	16-Feb-14 (2)				
	16-Mar-14 (2)				
	16-Apr-14	8.2	279	3.4	10.4
	13-May-14	8.3	246	9.4	10.4
	17-Jun-14	8.4	359	10.8	10.0
	15-Jul-14	7.8	366	12.0	4.7
	23-Oct-14	8.2	428	7.3	4.3
	16-Nov-14 (2)				
	16-Dec-14	8.7	370	4.0	
	20-Jan-15	7.9	344	1.8	1.4
	15-Feb-15 (3)				
	18-Mar-15	8.4	252	1.5	13.2
	22-Apr-15	8.1	308	5.5	12.8
	19-May-15	8.4	314	9.5	
15-Jun-15	8.1	373	10.4	9.3	
21-Jul-15	7.5	382	10.9		
11-Aug-15	8.2	414	11.4	10.0	
25-Aug-15	8.2	366	11.9	10.2	
8-Sep-15	7.8	416	13.1	9.5	
15-Oct-15	8.0	277	8.4	11.0	
8-Nov-15					
18-Nov-15	8.0	421	7.9	10.3	
8-Dec-15	8.1	389	5.2	19.4	
19-Jan-16	8.1	322	3.4	14.6	

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	DO
		6.5 - 8.5	nc	nc	a
SW24A (cont'd)	17-Feb-16	8.0	339	3.3	14.3
	15-Mar-16	7.9	276	5.9	12.6
	21-Apr-16	8.1	268	5.7	13.6
	18-May-16	8.4	304	7.9	12.4
	22-Jun-16	8.3	394	12.2	10.6
	5-Jul-16	8.4	401	13.5	14.7
	20-Jul-16	7.8	385	13.1	9.7
	9-Aug-16	8.3	246	14.0	10.9
	24-Aug-16	8.6	382	17.7	9.9
	19-Sep-16	8.1	545	12.7	
	18-Oct-16	7.8	445	12.9	12.3
	25-Oct-16	7.9	336	4.3	13.8
	15-Nov-16	8.1	382	7.2	11.5
	12-Dec-16	7.9	481	0.9	13.9
	24-Jan-17	8.2	319	3.9	13.2
	16-Feb-17	8.3	323	1.4	15.2
	21-Mar-17	8.4	343	4.8	12.4
	19-Apr-17	8.2	286	8.8	15.7
	9-May-17	8.5	239	8.1	13.4
	16-May-17	8.8	344	12.2	10.5
	28-Jun-17	8.3	351	8.9	11.7
	7-Jul-17	8.1	382	12.1	11.1
	19-Jul-17	8.4	422	11.6	10.4
	2-Aug-17	8.4	401	12.7	10.0
	15-Aug-17	8.7	347	12.1	10.5
	17-Sep-17	8.2	428	12.2	10.2
	17-Oct-17	8.2	399	8.9	10.5
	14-Nov-17	8.3	394	6.1	8.0
	14-Dec-17	8.3	360	3.1	13.4
	18-Jan-18	7.9	299	2.7	9.3
	24-Feb-18	8.2	280	3.3	13.9
	21-Mar-18	8.2	293	1.1	14.4
	18-Apr-18	8.2	255	0.2	11.9
	8-May-18	8.2	423	10.3	10.5
	15-May-18	7.9	457	7.4	11.1
	18-Jun-18	8.2	504	8.2	10.1
	19-Jul-18	8.2	516	10.7	10.2
	24-Aug-18	8.3	529	11.9	9.9
	20-Sep-18	8.2	526	11.8	9.3
	25-Oct-18	8.2	539	6.0	11.4
22-Nov-18	8.3		1.1	12.4	
13-Dec-18	8.2	516	4.0	12.1	
19-Jan-19	8.2	479	1.3	13.1	
28-Feb-19 (2)					
19-Mar-19	8.3	439	3.6	12.4	
25-Apr-19	8.2	333	5.8	11.3	
16-May-19	8.2	409	10.0	10.7	
27-May-19	8.3	409	10.0	10.7	
21-Jun-19	8.3	448	10.8	10.1	
30-Jul-19	8.2	468	12.7	9.5	

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
SW24A (cont'd)	30-Aug-19	8.2	425	14.4	9.7
	27-Sep-19	8.0	451	15.6	8.9
	22-Oct-19	8.1	395	8.8	8.2
	21-Nov-19 (2)				
	20-Dec-19 (2)				
	24-Jan-20 (2)				
	21-Feb-20 (2)				
	25-Mar-20 (2)				
	28-Apr-20				
	20-May-20	8.2	460	10.2	10.5
	28-May-20	8.6	401	8.2	11.0
	24-Jun-20	8.3	408	12.5	9.9
	31-Jul-20	8.3	497	8.8	10.6
	26-Aug-20	8.1	470	11.7	9.8
	26-Sep-20	8.1	470	10.4	
	29-Oct-20	7.9	363	7.9	9.9
	27-Nov-20	8.0	549	7.1	11.4
	22-Dec-20	8.1	524	4.2	12.4
	28-Jan-21 (2)				
	23-Feb-21 (2)				
	30-Mar-21	8.3	387	5.5	10.5
	28-Apr-21	7.8	410	7.1	11.9
	26-May-21 (3)				
	23-Jun-21	8.0	518	9.9	10.7
	10-Jul-21	8.1	489	11.4	10.4
	23-Jul-21	11.5	525	11.5	10.5
	11-Aug-21			14.1	
	26-Aug-21	8.2	537	13.9	9.9
	27-Sep-21	8.1	531	10.0	11.0
	27-Oct-21 (3)				
	22-Nov-21	7.9	463	4.7	11.9
	22-Dec-21	8.0	514	3.1	12.0
	24-Jan-22 (2)				
	8-Feb-22 (2)				
	16-Mar-22 (2)				
	21-Apr-22	7.6	505	1.0	5.3
	25-May-22	8.2	476	10.0	11.0
	24-Jun-22			9.5	
	8-Jul-22			12.7	0.6
	11-Aug-22			10.3	
29-Aug-22			11.3		
27-Sep-22			9.7		
27-Oct-22			7.7		
23-Nov-22			4.7		
16-May-23	8.1	450	8.6	10.8	
26-Jun-23			11.2		
11-Jul-23			9.6		
25-Jul-23			9.1		
14-Aug-23			9.7		
29-Aug-23			11.1		

**Table C-3 Surface Water Field Chemical Results**

Surface Water Station	PWQO	pH (su)	EC (µS/cm)	T (°C)	DO
		6.5 - 8.5	nc	nc	a
SW24A (cont'd)	25-Sep-23			9.9	
	30-Oct-23			7.7	
SW77	13-Dec-09 (2)				
	17-Jan-10	8.2	164	5.6	11.3
	7-Feb-10	8.4	449	5.7	12.6
	14-Mar-10		383	6.0	12.5
	4-Apr-10				
	11-Apr-10	7.5	407	5.9	12.9
	16-May-10	7.6	264	7.0	10.5
	23-May-10				
	13-Jun-10	7.5	286	7.9	12.7
	18-Jul-10	7.3	298	9.2	12.7
	15-Aug-10	7.6	326	10.0	8.6
	12-Sep-10	7.7	261	10.6	11.1
	17-Oct-10	7.0	327	10.2	8.6
	21-Oct-10	6.9	354	10.0	8.7
	14-Nov-10	7.5	294	9.4	13.7
	19-Dec-10 (2)				
	16-Jan-11 (2)				
	20-Feb-11 (2)				
	13-Mar-11 (2)				
	17-Mar-11				
	18-Mar-11				
	20-Mar-11				
	1-Apr-11				
	5-Apr-11				
	8-Apr-11				
	12-Apr-11				
	15-Apr-11				
	17-Apr-11	8.1	253	5.4	12.0
	20-Apr-11				
	21-Apr-11				
	26-Apr-11				
	29-Apr-11				
	3-May-11				
	6-May-11				
	10-May-11				
	13-May-11				
15-May-11	7.7	219	6.0	12.8	
16-May-11					
18-May-11					
19-May-11					
20-May-11					
27-May-11					
3-Jun-11					
12-Jun-11	7.5	253	7.7	5.8	
17-Jul-11	7.3	306	9.4	10.1	
14-Aug-11	8.7	240	10.6	10.9	
16-Oct-11	8.0	353	10.5	9.1	
20-Nov-11	8.3	321	8.7	10.1	

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
SW77 (cont'd)	18-Dec-11	8.6	225	8.2	9.2
	15-Jan-12	8.2	242	7.0	10.3
	19-Feb-12	7.1	244	6.5	12.5
	18-Mar-12	7.5	214	5.9	13.3
	15-Apr-12	8.8	287	6.3	12.5
	13-May-12	7.5	281	7.0	9.5
	17-Jun-12	7.6	274	8.3	6.6
	16-Jul-12	7.8	346	10.8	6.1
	14-Aug-12	7.7	225	10.1	9.0
	18-Sep-12	6.6	348	11.0	8.2
	17-Oct-12	7.9	318	10.6	7.5
	20-Nov-12	8.0	343	9.3	8.5
	18-Dec-12	7.7	713	8.4	9.2
	15-Jan-13	7.9	306	7.4	10.3
	20-Feb-13	7.8	234	6.4	10.1
	19-Mar-13	8.1	214	5.9	12.2
	16-Apr-13	6.9	194	0.2	10.0
	13-May-13	7.4	265	6.1	11.0
	18-Jun-13	7.9	296	8.2	8.7
	16-Jul-13	8.2	333	9.9	9.9
	16-Oct-13	9.9	336	10.1	6.3
	19-Nov-13	7.3	338	8.9	6.3
	17-Dec-13	8.1	269	8.0	6.9
	18-Mar-14	6.8	280	4.3	6.0
	15-Apr-14	7.8	191	4.6	10.2
	12-May-14	7.8	252	6.8	3.3
	17-Jun-14	7.8	306	7.8	11.2
	14-Jul-14	8.9	341	8.7	1.9
	18-Aug-14	8.5	341	9.6	4.3
	8-Sep-14	8.5	378	10.4	9.9
	23-Oct-14	8.1	435	9.3	8.5
	14-Dec-14 (2)				
	18-Jan-15 (2)				
	15-Feb-15 (3)				
	18-Mar-15	7.6	253	5.7	10.6
	21-Apr-15	7.5	202	5.4	11.9
	19-May-15	7.9	268	6.4	14.5
	15-Jun-15	7.6	329	7.3	9.6
	21-Jul-15	8.0	358	13.0	
	11-Aug-15	7.9	342	13.0	9.4
25-Aug-15	7.7	325	10.3	11.4	
8-Sep-15	7.8	372	14.2	9.6	
15-Oct-15	7.8	304	8.8	9.9	
8-Nov-15					
18-Nov-15	7.8	360	8.3	10.0	
8-Dec-15	7.9	344	6.3	14.6	
19-Jan-16	7.9	259	4.1	13.4	
17-Feb-16	7.9	321	5.1	12.3	
15-Mar-16	7.7	237	6.3	13.0	
20-Apr-16	7.3	291	6.5	12.6	

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	D O
		6.5 - 8.5	nc	nc	a
SW77 (cont'd)	17-May-16	8.0	353	10.0	11.9
	22-Jun-16	7.9	336	9.1	10.9
	5-Jul-16	8.0	267	10.7	16.3
	20-Jul-16	8.3	355	11.4	10.3
	9-Aug-16	8.1	345	14.9	11.8
	24-Aug-16	8.2	356	12.9	11.0
	19-Sep-16	8.2	374	13.1	9.4
	17-Oct-16	7.9	340	12.1	8.9
	25-Oct-16	7.8	295	6.4	12.7
	15-Nov-16	7.4	480	8.7	9.7
	12-Dec-16	8.0	431	5.0	12.1
	24-Jan-17	7.6	267	6.5	12.0
	16-Feb-17	8.1	331	4.4	13.6
	21-Mar-17	8.0	349	6.5	12.1
	19-Apr-17	7.7	309	8.4	14.4
	9-May-17	7.8	223	6.3	14.1
	16-May-17	8.1	323	9.2	11.3
	28-Jun-17	7.7	362	10.9	11.1
	7-Jul-17	8.0	334	11.9	11.5
	18-Jul-17	8.0	363	11.5	10.5
	2-Aug-17	8.2	255	10.9	10.1
	15-Aug-17	8.5	294	11.0	10.8
	17-Sep-17	7.8	356	11.4	10.3
	17-Oct-17	8.0	269	9.7	10.6
	14-Nov-17	8.0	377	8.1	7.8
	14-Dec-17	8.1	334	4.6	13.2
	17-Jan-18	8.0	311	5.3	7.9
	23-Feb-18	7.9	299	6.4	9.0
	20-Mar-18	8.1	315	5.3	14.0
	18-Apr-18	8.2	457	5.5	7.4
	8-May-18	7.7	427	8.7	11.0
	14-May-18	7.8	440	9.3	10.8
	18-Jun-18	7.7	466	9.4	9.8
	23-Aug-18	7.4	481	12.3	10.3
	19-Sep-18	7.4	402	11.6	6.3
	24-Oct-18	7.7	456	9.3	7.0
21-Nov-18 (1)					
12-Dec-18	8.0	483	7.1	10.3	
18-Jan-19 (2)					
26-Feb-19 (2)					
15-Mar-19	7.9	392	4.9	11.3	
24-Apr-19	7.2	366	5.4	10.3	
14-May-19	7.5	381	5.9	9.7	
23-May-19	7.5	397	6.1	9.2	
18-Jun-19	7.4	416	7.1	8.8	
29-Jul-19	7.5	412	9.2	9.0	
29-Aug-19	8.3		15.7	8.8	
26-Sep-19 (1)					
23-Oct-19 (1)					
22-Nov-19 (2)					



Surface Water Station	PWQO	pH (su)	EC (µS/cm)	T (°C)	DO
		6.5 - 8.5	nc	nc	a
SW77 (cont'd)	20-Dec-19 (2)				
	15-Jan-20 (2)				
	20-Feb-20 (2)				
	26-Mar-20 (2)				
	27-Apr-20 (1)				
	19-May-20	7.9	460	6.0	8.8
	29-May-20	8.0	404	6.4	9.6
	23-Jun-20	8.0	463	9.3	10.0
	30-Jul-20 (3)				
	25-Aug-20	7.8	455	10.4	9.7
	25-Sep-20	8.1	310	10.1	9.9
	30-Oct-20	7.3	384	8.9	8.7
	26-Nov-20 (2)				
	22-Dec-20 (2)				
	28-Jan-21 (2)				
	23-Feb-21 (2)				
	30-Mar-21	7.7	361	6.1	12.1
	28-Apr-21	7.5	388	7.2	11.6
	26-May-21	7.9	429	10.6	11.0
	27-May-21	7.9	429	10.6	11.0
	23-Jun-21	7.9	501	9.1	10.4
	10-Jul-21			10.2	
	23-Jul-21	8.4	446	12.1	10.6
	11-Aug-21			14.6	
	26-Aug-21	8.1	443	15.7	9.7
	27-Sep-21	8.1	501	10.8	10.8
	27-Oct-21 (3)				
	22-Nov-21 (2)				
	22-Dec-21 (2)				
	24-Jan-22 (2)				
	8-Feb-22 (2)				
	16-Mar-22 (2)				
	21-Apr-22	8.0	440	0.1	10.6
	25-May-22	8.1	444	9.4	11.4
	24-Jun-22			10.0	
	8-Jul-22			8.7	
	11-Aug-22			9.8	
	29-Aug-22			11.4	
	27-Sep-22			9.4	
	27-Oct-22			8.0	
21-Nov-22			4.9		
16-May-23	7.8		8.7	10.9	
26-Jun-23			10.3		
11-Jul-23			10.2		
25-Jul-23			10.3		
14-Aug-23			11.2		
29-Aug-23			10.8		
25-Sep-23			11.1		
30-Oct-23			8.7		
PR Control	25-Aug-15	8.4	307	14.6	8.0

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	DO
		6.5 - 8.5	nc	nc	a
PR Control (cont'd)	9-Sep-15	8.3	365	18.4	9.4
	15-Oct-15	8.0	291	8.6	11.3
	8-Nov-15				
	18-Nov-15	8.0	335	6.9	11.3
	8-Dec-15	8.3	305	3.5	15.7
	19-Jan-16	7.7	239	(0)	16.1
	17-Feb-16	8.2	276	0.6	15.8
	15-Mar-16	8.3	256	4.2	13.8
	20-Apr-16	7.7	310	9.7	12.2
	17-May-16	8.6	328	7.5	12.5
	22-Jun-16	8.5	330	12.5	11.1
	3-Jul-16				
	20-Jul-16	8.5	344	14.2	10.2
	7-Aug-16				
	24-Aug-16	8.4	252	16.6	11.5
	19-Sep-16	8.4	440	15.2	9.7
	17-Oct-16	8.1	340	12.6	9.6
	25-Oct-16	7.9	287	5.4	15.1
	15-Nov-16	8.2	468	6.1	12.9
	12-Dec-16	7.6	405	0.0	13.4
	24-Jan-17	8.2	268	1.9	14.3
	16-Feb-17	8.4	284	0.4	16.4
	21-Mar-17	8.4	303	2.2	13.8
	19-Apr-17	7.7	305	7.8	14.1
	8-May-17	8.4	246	7.8	14.0
	16-May-17	8.4	456	9.2	8.5
	28-Jun-17	8.3	358	11.7	11.1
	7-Jul-17				
	18-Jul-17	6.4	368	13.7	11.3
	27-Jul-17				
	15-Aug-17	8.8	297	14.4	11.0
	17-Sep-17	8.2	366	14.9	10.3
	17-Oct-17	8.3	338	8.8	11.5
	14-Nov-17	8.2	320	4.4	11.3
	14-Dec-17	7.9	277	(0)	19.5
	17-Jan-18	8.1	269	0.2	12.6
	22-Feb-18	8.4	243	1.9	12.8
	20-Mar-18	8.5	247	(0)	18.8
	18-Apr-18	8.6	430	2.5	10.7
	8-May-18	8.4	428	8.2	11.3
14-May-18	8.5	418	12.9	10.1	
18-Jun-18	8.4	424	14.4	9.8	
19-Jul-18	8.4	417	15.6	9.4	
23-Aug-18	8.5	426	16.3	9.2	
19-Sep-18	8.5	422	14.9	9.5	
24-Oct-18	8.4	449	5.0	12.3	
21-Nov-18	8.3	456	0.0	13.9	
12-Dec-18	8.3	456	1.1	13.4	
18-Jan-19	8.3	454	0.1	14.0	
26-Feb-19 (2)					

**Table C-3 Surface Water Field Chemical Results**

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	DO
		6.5 - 8.5	nc	nc	a
PR Control (cont'd)	15-Mar-19 (2)				
	24-Apr-19	8.5	375	6.4	11.9
	14-May-19	8.5	364	5.9	12.0
	23-May-19	8.6	381	10.8	10.6
	18-Jun-19	8.4	396	12.1	10.2
	29-Jul-19	8.4	383	18.6	8.8
	29-Aug-19	8.0	384	15.4	7.7
	26-Sep-19	8.2	421	14.0	9.6
	23-Oct-19	8.0	377	9.4	8.3
	22-Nov-19	7.6	320	1.1	8.9
	20-Dec-19	7.9	329	0.0	8.7
	15-Jan-20	7.9	394	2.2	11.6
	20-Feb-20 (2)				
	26-Mar-20 (2)				
	27-Apr-20	8.5	433	3.4	12.6
	19-May-20			8.6	11.4
	29-May-20	9.0	393	14.2	9.7
	23-Jun-20	8.7	380	12.2	10.0
	30-Jul-20	8.7	400	17.2	9.0
	25-Aug-20	8.4	373	17.6	8.9
	25-Sep-20	8.3	385	10.6	9.1
	30-Oct-20	7.8	364	8.0	8.1
	26-Nov-20	7.8	465	4.7	11.8
	23-Dec-20	8.3	486	0.2	14.3
	27-Jan-21	7.6	400	1.8	10.7
	22-Feb-21	7.4	385	0.1	10.5
	29-Mar-21	8.3	400	7.2	9.6
	27-Apr-21	8.5	417	5.8	13.6
	27-May-21	8.3	422	9.9	12.7
	22-Jun-21	8.0	486	14.1	10.2
	22-Jul-21 (3)				
	25-Aug-21	8.0	433	18.2	9.2
	28-Sep-21	8.3	461	11.6	10.8
	26-Oct-21	8.1	467	9.5	11.2
	23-Nov-21	8.1	451	2.5	11.5
	21-Dec-21	8.2	471	1.6	11.7
	24-Jan-22 (2)				
	8-Feb-22 (2)				
	16-Mar-22	7.9	416	2.0	13.7
	21-Apr-22	8.1	368	2.1	10.0
	24-May-22	8.3	434	11.9	10.5
	25-Jun-22	7.8	413	10.1	11.5
26-Aug-22	8.2	450	12.5	10.3	
27-Sep-22	8.4	394	11.6	10.6	
28-Oct-22	8.0	207	7.4	7.5	
22-Nov-22	8.6	299	1.1	12.0	
20-Dec-22	8.8	169	0.5	9.2	
24-Jan-23	8.2	418	0.7	14.4	
22-Feb-23	8.0	448	0.2	14.7	
28-Mar-23	9.1	414	1.8	13.3	

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	DO
		6.5 - 8.5	nc	nc	a
PR Control (cont'd)	21-Apr-23	7.6	388	10.4	10.4
	17-May-23	8.4	410	7.8	11.3
	27-Jun-23	8.5	447	14.9	9.2
	26-Jul-23	8.4	382	17.2	8.7
	30-Aug-23	7.7	348	13.1	9.6
	26-Sep-23	8.4	398	12.0	10.0
	31-Oct-23	8.0	318	5.6	10.0
	29-Nov-23	8.1	493	0.2	13.6
18-Dec-23	8.1	496	4.1	11.9	
BC Control	25-Aug-15	8.3	436	14.6	7.9
	9-Sep-15	8.0	400	17.9	5.9
	16-Oct-15	7.8	436	8.1	9.1
	8-Nov-15				
	19-Nov-15	8.0	405	9.4	11.7
	8-Dec-15	7.9	348	3.2	18.0
	17-Jan-16 (2)				
	14-Feb-16 (2)				
	15-Mar-16	8.1	259	6.2	13.4
	21-Apr-16	8.5	316	9.7	12.2
	17-May-16	8.5	334	5.8	12.6
	22-Jun-16	8.4	465	15.7	8.5
	3-Jul-16				
	20-Jul-16	7.9	457	13.6	9.1
	7-Aug-16				
	25-Aug-16	8.3	577	17.7	7.3
	19-Sep-16	8.1	275	14.6	8.3
	17-Oct-16	7.9	648	12.3	8.4
	25-Oct-16	7.7	480	6.1	13.5
	15-Nov-16	8.0	439	5.2	11.1
	12-Dec-16	7.6	318	(0)	14.5
	24-Jan-17	8.2	287	2.1	13.6
	15-Feb-17 (2)				
	22-Mar-17	8.9	475	0.0	6.0
	19-Apr-17	7.5	345	10.8	12.4
	9-May-17	8.4	243	5.2	15.6
	16-May-17	8.6	320	18.0	7.9
	28-Jun-17	8.4	415	12.4	10.8
	7-Jul-17				
	19-Jul-17	8.5	485	17.2	8.6
	27-Jul-17				
	16-Aug-17	8.4	457	15.9	8.0
	17-Sep-17	7.1	477	14.6	8.6
18-Oct-17	8.3	404	9.4	10.4	
14-Nov-17	8.3	375	5.3	10.3	
14-Dec-17	8.0	203	(0)	18.8	
18-Jan-18	8.1	286	0.4	11.5	
24-Feb-18	8.3	271	2.2	14.8	
20-Mar-18	8.5	269	(0)	17.3	
18-Apr-18	8.6	462	2.5	10.4	
8-May-18	8.3	455	9.3	11.0	

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	DO
		6.5 - 8.5	nc	nc	a
BC Control (cont'd)	14-May-18	8.4	469	15.2	9.5
	18-Jun-18	8.4	539	16.0	9.3
	19-Jul-18	8.2	633	14.8	9.6
	23-Aug-18	8.3	596	17.0	9.0
	19-Sep-18	8.2	675	13.6	9.0
	24-Oct-18	8.3	597	5.0	11.9
	21-Nov-18	8.2		0.2	13.9
	12-Dec-18	8.3	473	1.7	13.3
	18-Jan-19	7.9	383	0.1	14.9
	26-Feb-19 (2)				
	15-Mar-19 (2)				
	24-Apr-19	8.4	370	7.8	11.5
	14-May-19	8.5	366	7.3	11.6
	23-May-19	8.5	413	12.4	10.3
	18-Jun-19	8.5	457	14.0	9.7
	29-Jul-19	8.3	575	18.6	10.0
	29-Aug-19	8.3	499	17.0	8.0
	26-Sep-19	8.3	522	15.2	7.8
	23-Oct-19	7.5	438	8.2	10.3
	22-Nov-19	7.7	384	0.5	9.3
	20-Dec-19 (2)				
	15-Jan-20	7.9	377	2.6	9.4
	20-Feb-20 (2)				
	26-Mar-20	8.2	403	4.7	12.3
	27-Apr-20	8.4	442	2.9	13.1
	19-May-20			9.6	11.2
	29-May-20	9.1	443	11.1	10.6
	23-Jun-20	8.7	441	14.3	9.6
	30-Jul-20	8.6	535	18.4	8.4
	25-Aug-20	8.1	525	15.8	9.4
	25-Sep-20	8.1	530	12.8	10.2
	30-Oct-20	7.3	427	7.7	9.6
	26-Nov-20	7.6	470	4.5	12.2
	23-Dec-20	8.2	471	0.0	14.6
	27-Jan-21	7.9	388	1.4	9.4
	22-Feb-21 (2)				
	29-Mar-21	8.1	459	6.4	10.2
	27-Apr-21	8.5	422	6.6	12.5
	27-May-21	8.5	509	11.6	10.8
	22-Jun-21	8.4	564	14.6	10.5
22-Jul-21	8.1	536	14.4	9.6	
25-Aug-21	8.1	562	17.7	9.3	
28-Sep-21	8.5	532	11.5	10.8	
26-Oct-21	8.2	528	9.9	11.2	
23-Nov-21	8.2	522	3.1	11.1	
21-Dec-21	8.5	516	2.3	11.5	
24-Jan-22 (2)					
8-Feb-22 (2)					
16-Mar-22	8.1	421	2.9	13.4	
21-Apr-22	8.1	494	2.6	9.1	

Surface Water Station	PWQO	pH (su)	EC (µs/cm)	T (°C)	DO
		6.5 - 8.5	nc	nc	a
BC Control (cont'd)	24-May-22	8.3	441	12.7	10.1
	25-Jun-22	8.1	435	9.9	11.7
	26-Aug-22	8.3	465	12.6	10.1
	27-Sep-22	8.0	406	11.2	11.5
	28-Oct-22	7.9	431	7.7	7.2
	22-Nov-22	8.4	376	1.7	10.1
	21-Dec-22	8.7	260	0.0	12.0
	24-Jan-23	8.2	468	1.3	14.2
	22-Feb-23	8.0	485	0.6	14.6
	28-Mar-23	9.0	446	2.0	13.3
	21-Apr-23	7.2	422	11.5	10.2
	17-May-23	8.3	482	8.6	11.2
	27-Jun-23	8.6	470	15.9	9.1
	26-Jul-23	8.3	470	17.4	8.9
	30-Aug-23	7.7	408	13.3	8.7
	26-Sep-23	8.4	516	12.6	9.9
	1-Nov-23	8.0	314	2.2	6.9
29-Nov-23	8.1	573	0.2	13.5	
18-Dec-23	8.1	548	4.5	12.0	

Table C-4 Surface Water Laboratory Chemical Results

Surface Water Station	Date	General Parameters						Major Ions							Nutrients and Organic Indicators							
		pH (su)	EC (µS/cm)	TSS	TDS	Hardness	Colour (TCU)	Turbidity (NTU)	Alkalinity	Chloride	Sulphate	Calcium	Magnesium	Sodium	Potassium	Nitrate	Nitrite	Ammonia	Un-ionized Ammonia	TKN	TP	Phenols
		6.5 - 8.5	nc	nc	nc	nc	nc	b	c	nc	nc	nc	nc	nc	nc	nc	nc	nc	0.02 d	nc	0.03 i e	0.001
SUMP 1	23-Mar-16														1	<0.1			0.16	0.01		
	25-May-16	8.25	700	21	363	324	5		235	76.1	7	64	40	23.2	2.5	2	<0.1	0.09	0.001	0.3	0.01	
	10-Aug-16	7.92	925	8	442	364	5		236	139	6	64.6	49.4	33.2	3.8	0.8	<0.1	0.09	0.017	0.3	0.01	
	18-Oct-16	7.95	825	12	349	359	25	11.8	120	117	6	71	44.2	29.4	2.8	1	<0.1	0.62	0.013	0.8	0.02	<0.001
	1-Feb-17	7.7	734	24	338	285	<2	6	227	75.4	8	55.6	35.5	18.4	1.7	1.5	<0.1	0.1	0.004	0.2	<0.01	
	5-Apr-17	8.17	603	<3	309	271	10	6	208	59.3	7	56.8	31.5	19.9	1.6	1.8	<0.1	0.02	<0.001	0.2	0.02	
	17-Jul-17	7.99	801	<3	357	302	6	5	211	92	6	57	38.8	26.6	2.8	1.7	<0.1	0.03	0.001	0.3	0.01	
	4-Oct-17	8.16	809	<3	382	327	<2	5	202	115	6	53.4	47.1	30.9	3.6	1	<0.1	0.06	0.001	0.2	<0.01	
	6-Mar-18	8.08	605	<2	328	272	5.56	0.77	229	53.7	5.56	55.1	29.3	18.1	1.61	1.04	<0.01	0.098	<0.001	<0.15	0.0586	
	9-May-18	8.21	555	<2	291	259	2.5	1.24	217	47.6	5.24	53.7	28.8	17.1	1.62	1.16	<0.01	0.048	<0.001	<0.15	0.0031	
	5-Sep-18	8.06	710	<10	385	300	3	0.5	210	100	6.1	50	40	27	2.8	0.68	<0.01	<0.05	<0.001	0.1	<0.02	<0.001
	6-Dec-18	8.01	690	<10	355	330	3	1.4	230	82	6.8	59	37	22	2.1	1.32	<0.01	0.13	0.001	0.16	<0.02	<0.001
	9-Mar-19	7.84	650	<10	315	290	2	0.6	250	58	6.5	60	34	19	1.7	1.08	<0.01	<0.05	<0.001	0.12	<0.02	
	10-May-19	8.22	550	<10	310	260	<2	1.3	200	43	5.3	56	31	17	1.5	1.27	<0.01	<0.05	<0.001	0.12	<0.02	<0.001
	4-Sep-19	8		<10	465	320	4	1.2	210	120	5.9	59	46	30	3.3	0.77	<0.01	0.099		0.29	<0.004	0.043
	19-Dec-19	7.88		<10	455	350	3	1.4	220	120	7.3	63	45	29	2.9	1.49	<0.01	0.081		0.16	<0.02	<0.001
	2-Mar-20	7.96	690	<10	375	280	<2	0.8	240	79	7.4	63	39	23	2.2	1.33	<0.01	0.27		0.13	<0.02	<0.001
	11-Jun-20	7.98	690	<10	420	310	<2	2.1	220	82	7	60	39	25	2.3	1.49	<0.01	0.13		0.19	<0.02	<0.001
	27-Aug-20	8.06	830	<10	585	330	3	0.9	180	130	6.9	47	51	36	4.8	1.04	0.017	0.12		0.28	<0.004	<0.001
	25-Nov-20			<3	423	366	4	2.7	198	134	8	65.8	49.1	31.3	3.4	2.3	<0.1	0.14		0.3	<0.01	<0.002
	23-Feb-21	7.99	740	<10	350	330	<2	1.3	250	85	7.7	66	40	24	2.3	1.52	<0.01	0.059		0.14	<0.004	<0.001
	27-May-21	8.04	800	<10	420	350	<2	0.5	230	120	8.1	59	46	30	3.1	1.22	<0.01	<0.05	<0.002	<0.1	0.005	<0.001
	11-Aug-21	8.14	790	<10	525	310	5	1.3	190	140	7.4	49	50	34	4.3	0.96	0.019	0.1	0.004	0.34	<0.004	<0.001
	7-Oct-21	8.01	820	<10	435	350	4	1.1	200	130	6.7	59	48	33	4.4	1.4	0.02	0.14	0.003	0.2	0.005	<0.001
20-Jan-22	8.01	800	<10	405	340		1.3	260	95	7.7			26	2.9	1.5	<0.01	0.082	0.001		<0.004	<0.001	
28-Feb-22	8.02	660	<10	340	300	<2	0.5	230	72	6.1	61	34	24	2.2	2.64	<0.01	0.11	0.002	0.15	<0.004	<0.001	
24-Mar-22	8.22	570	61	270	250		52	200	61	6.3			19	1.9	1.72	<0.01	0.094	0.001		0.009	<0.001	
28-Apr-22	7.95	770	<10	450	260	<2	0.2	200	110	25			52	2.3	<0.1	<0.01	<0.05	<0.001		0.006	<0.001	
26-May-22	10.6	860	<10	475	330		0.6	240	120	8.5	62	50	31	3.9	1.69	0.023	0.19	0.003	0.3	<0.004	<0.001	
2-Jun-22	8.07	870	<10	460	350		1.6	240	130	9			31	4.4	1.81	0.036	0.18	0.003		<0.004	<0.001	
28-Jul-22	8.14	1000	<10	620	370		1.1	210	170	8.1			40	5.7	2.08	0.044	0.16	0.009		<0.004	<0.001	
31-Aug-22	11.3	960	<10	530	400	5	1.2	210	170	8.8	62	61	41	5.9	1.92	0.02	0.16	0.002	0.37	0.011	<0.001	

Table C-4 Surface Water Laboratory Chemical Results

Surface Water Station	Date	Total Metals																
		Aluminum	Antimony	Arsenic	Barium	Beryllium	Boron	Cadmium	Chromium	Cobalt	Copper	Fluoride	Iron	Lead	Manganese	Molybdenum	Nickel	Selenium
		<b>Al</b>	<b>Sb</b>	<b>As</b>	<b>Ba</b>	<b>Be</b>	<b>B</b>	<b>Cd</b>	<b>Cr</b>	<b>Co</b>	<b>Cu</b>	<b>F</b>	<b>Fe</b>	<b>Pb</b>	<b>Mn</b>	<b>Mo</b>	<b>Ni</b>	<b>Se</b>
	PWQO	0.075 <i>i</i>	0.02 <i>i</i>	0.1 <i>i</i>	nc	1.1	0.2	0.0005 <i>i</i>	0.0089	0.0009	0.005 <i>i</i>	nc	0.3	0.005 <i>i</i>	nc	0.04	0.025	0.1
SUMP 1	23-Mar-16		<0.0001	0.0013	0.013		0.084	<0.00002	<0.002			0.2		0.00033				0.002
	25-May-16	0.14	<0.0001	0.0014	0.011	<0.002	0.029	<0.00002	<0.002	0.0002	<0.002	0.2	0.139	0.00021	0.015	0.0004	<0.01	0.004
	10-Aug-16	0.06	0.0003	0.0017	0.013	<0.002	0.049	<0.00002	<0.002	0.0003	<0.002	0.2	0.026	0.0001	0.035	0.0008	<0.01	0.005
	18-Oct-16	0.04	0.0001	0.0026	0.015	<0.002	0.037	<0.00002	<0.002	0.0003	<0.002	0.3	0.046	0.00004	0.141	0.0006	<0.01	0.006
	1-Feb-17	0.03	<0.0001	0.0006	0.001	<0.002	0.017	<0.00002	<0.002	0.0001	<0.002	0.2	0.027	0.00008	0.011	0.0004	<0.01	0.001
	5-Apr-17	0.07	<0.0001	0.0006	0.013	<0.002	0.018	<0.00002	<0.002	<0.0001	0.005	0.2	0.052	<0.00002	0.005	0.0004	<0.01	<0.001
	17-Jul-17	0.06	0.0001	0.0009	0.034	<0.002	0.052	<0.000014	<0.002	0.0002	0.004	0.2	0.105	0.00005	0.018	0.0005	<0.01	<0.001
	4-Oct-17	0.03	<0.0001	0.0011	0.014	<0.002	0.052	<0.000014	<0.002	<0.0001	0.003	0.3	0.044	0.00004	0.051	<0.01	<0.01	<0.001
	6-Mar-18	0.012	<0.0001	0.00025	0.00994	<0.0001	0.018	<0.00001	<0.0005	<0.0001	<0.001	0.185	<0.05	<0.0001	0.0178	0.000341	<0.0005	<0.00005
	9-May-18	0.027	<0.0001	0.00027	0.0098	<0.0001	0.02	<0.00001	<0.0005	<0.0001	<0.001	0.18	<0.05	<0.0001	0.00403	0.000314	<0.0005	0.000062
	5-Sep-18	0.01	<0.0005	<0.001	0.012	<0.0005	0.044	<0.0001	<0.005	<0.0005	0.0012	0.27	<0.1	<0.0005	0.097	0.00058	<0.001	<0.002
	6-Dec-18	0.023	<0.0005	<0.001	0.011	<0.0005	0.031	<0.0001	<0.005	<0.0005	<0.001	0.23	<0.1	<0.0005	<0.12	<0.0005	0.0017	<0.002
	9-Mar-19	0.012	<0.0005	<0.001	0.012	<0.0005	0.02	<0.0001	<0.005	<0.0005	0.0014	0.22	<0.1	<0.0005	0.073	<0.0005	<0.001	<0.002
	10-May-19	0.027	<0.0005	<0.001	0.0095	<0.0005	0.019	<0.0001	<0.005	<0.0005	0.001	0.18	<0.1	<0.0005	0.011	<0.0005	<0.001	<0.002
	4-Sep-19	0.01	<0.0005	<0.001	0.015	<0.0005	0.046	<0.0001	<0.005	<0.0005	0.0018	0.24	<0.1	<0.5	0.089	0.00064	<0.001	<0.002
	19-Dec-19	0.019	<0.0005	<0.001	0.014	<0.0005	0.036	<0.0001	<0.005	<0.0005	<0.001	0.25	<0.1	<0.5	0.1	0.00052	<0.001	<0.002
	2-Mar-20	0.01	<0.0005	<0.001	0.014	<0.0005	0.026	<0.0001	<0.005	<0.0005	<0.001	0.25	<0.1	<0.5	0.085	<0.0005	<0.001	<0.002
	11-Jun-20	0.036	<0.0005	<0.001	0.014	<0.0005	0.032	<0.0001	<0.005	<0.0005	<0.001	0.22	<0.1	<0.5	0.044	<0.0005	<0.001	<0.002
	27-Aug-20	0.022	<0.0005	<0.001	0.012	<0.0004	0.066	<0.09	<0.005	<0.0005	<0.0009	0.21	<0.1	<0.5	0.073	0.00067	<0.001	<0.002
	25-Nov-20	0.05	0.1	0.0006	0.017	<0.002	0.049	<0.015	<0.002	<0.005	0.0004	0.1	0.058	0.1	0.107	<0.01	<0.01	<0.001
	23-Feb-21	<0.0049	<0.0005	<0.001	0.015	<0.0004	0.028	<0.00009	<0.005	<0.0005	0.0012	0.25	<0.1	<0.0005	0.097	<0.0005	<0.001	<0.002
	27-May-21	0.0082	<0.0005	<0.001	0.014	<0.0004	0.04	<0.00009	<0.005	<0.0005	<0.0009	0.2	<0.1	<0.0005	0.05	<0.0005	<0.001	<0.002
	11-Aug-21	0.02	<0.0005	0.0011	0.012	<0.0004	0.06	<0.00009	<0.005	<0.0005	<0.0009	0.26	<0.1	<0.0005	0.044	0.00059	<0.001	<0.002
	7-Oct-21	0.019	<0.0005	<0.001	0.015	<0.0004	0.056	<0.00009	<0.005	<0.0005	<0.0009	0.24	<0.1	<0.0005	0.057	0.00066	<0.001	<0.002
	20-Jan-22						0.035	<0.00009	<0.005	<0.0005	<0.0009		<0.1	<0.0005				0.0014
	28-Feb-22	0.0083	<0.0005	<0.001	0.011	<0.0004	0.023	<0.00009	<0.005	<0.0005	<0.0009	0.19	<0.1	<0.0005	0.0024	<0.0005	<0.001	<0.002
	24-Mar-22						0.02	<0.00009	<0.005	<0.0005	<0.0009		0.14	0.00054				<0.001
	28-Apr-22						0.019	<0.00009	<0.005	<0.0005	<0.0005		0.32	<0.0005				<0.0005
26-May-22	0.011	<0.0005	<0.001	0.014	<0.0004	0.053	<0.00009	<0.005	<0.0005	<0.0009	0.22	<0.1	<0.0005	0.046	0.00062	<0.001	<0.002	
2-Jun-22						0.053	<0.00009	<0.005	<0.0005	0.0018		<0.1	<0.0005				<0.001	
28-Jul-22						0.074	<0.00009	<0.005	<0.0005	<0.0009		0.13	<0.0005				<0.001	
31-Aug-22	0.022	<0.0005	0.0015	0.017	<0.0004	0.077	<0.00009	<0.005	<0.0005	<0.0009	0.24	0.18	<0.0005	0.048	0.00077	<0.001	<0.002	



**Table C-4 Surface Water Laboratory Chemical Results**

Surface Water Station	Date	Total Metals									Oil & Grease			
		Silicon	Silver	Strontium	Thallium	Titanium	Tungsten	Uranium	Vanadium	Zinc	Zirconium	Animal / Vegetable	Mineral	Total
		SI	Ag	Sr	TI	TI	W	U	V	Zn	Zr			
	PWQO	nc	0.0001	nc	0.0003	nc	0.03 <i>i</i>	0.005 <i>i</i>	0.006 <i>i</i>	0.03	0.004 <i>i</i>	<i>f</i>	<i>f</i>	<i>f</i>
SUMP 1	23-Mar-16						0.00017							
	25-May-16		<0.00002	0.356	<0.00005	<0.005	0.02	0.00016	<0.005	<0.005	<0.003			
	10-Aug-16		<0.00002	0.555	<0.00005	<0.005	0.05	0.00018	<0.005	<0.005	<0.003			
	18-Oct-16	2.15	<0.00002	0.395	<0.00005	<0.005	<0.01	0.00017	<0.005	<0.005	<0.003	<1	<1	<1
	1-Feb-17		<0.00002	0.249	<0.00005	<0.005	<0.01	0.00014	<0.005	<0.005	<0.003			
	5-Apr-17		<0.00002	0.222	<0.00005	<0.005	<0.01	0.00016	<0.005	<0.005	<0.003			
	17-Jul-17		<0.00002	0.396	<0.00005	<0.005	<0.01	0.00013	<0.005	0.16	<0.003			
	4-Oct-17		<0.00002	0.407	<0.00005	<0.005	<0.01	0.00011	<0.005	0.007	<0.003			
	6-Mar-18	55.1	<0.00005	0.222	0.000015	<0.0003	<0.0001	0.000123	<0.0005	0.0031	<0.0003			
	9-May-18	1.42	<0.00005	0.208	0.000012	0.00071	<0.0001	0.000119	<0.0005	<0.003	<0.0003			
	5-Sep-18		<0.0001	0.31	<0.00005	<0.005	<0.001	0.00011	<0.0005	<0.0005	<0.001			
	6-Dec-18		<0.0001	0.28	<0.00005	<0.005	<0.001	0.00011	<0.0005	<0.0005	<0.001			
	9-Mar-19	0.0551	<0.0001	0.24	<0.00005	<0.005	<0.001	0.00014	<0.0005	<0.005	<0.001			<0.5
	10-May-19		<0.0001	0.2	<0.00005	<0.005	<0.001	0.00012	<0.0005	<0.005	<0.001			3.7
	4-Sep-19		<0.0001	0.33	<0.00005	<0.005	<0.001	0.00012	<0.0005	<0.005	<0.001			<0.5
	19-Dec-19		<0.0001	0.37	<0.00005	<0.005	<0.001	0.00011	<0.0005	<0.005	<0.001			0.8
	2-Mar-20		<0.0001	0.3	<0.00005	<0.005	<0.001	0.00012	<0.0005	<0.005	<0.001	<0.5	<0.5	<0.5
	11-Jun-20	1.5	<0.1	0.28	<0.05	<0.005	<0.001	0.13	<0.0005	<0.005	<0.001	<0.5	<0.5	<0.5
	27-Aug-20	1.7	<0.09	0.37	<0.05	<0.005	<0.001	<0.1	<0.0005	<0.005	<0.001	<0.5	<0.5	<0.5
	25-Nov-20	0.0017	<0.1	0.433	<0.05	<0.005	<0.01	0.1	<0.005	0.006	<0.003	<1	<1	<1
	23-Feb-21	2	<0.00009	0.31	<0.00005	<0.005	<0.001	0.00016	<0.0005	<0.005	<0.001	<0.5	<0.5	<0.5
	27-May-21	1.5	<0.00009	0.37	<0.00005	<0.005	<0.001	<0.0001	<0.0005	<0.005	<0.001	<0.5	<0.5	<0.5
	11-Aug-21	1.4	<0.00009	0.39	<0.00005	<0.005	<0.001	<0.0001	<0.0005	<0.005	<0.001	<0.5	<0.5	<0.5
	7-Oct-21	1.5	<0.00009	0.49	<0.00005	<0.005	<0.001	<0.0001	<0.0005	<0.005	<0.001	<0.5	<0.5	<0.5
	20-Jan-22	2	<0.00009							<0.005		<0.5	<0.5	<0.5
	28-Feb-22	1.5	<0.00009	0.3	<0.00005	<0.005	<0.001	0.0001	<0.0005	<0.005	<0.001	<0.5	<0.5	<0.5
24-Mar-22	1.4	<0.00009							<0.005		<0.5	<0.5	<0.5	
28-Apr-22	8.4	<0.00009							0.0063		<0.5	<0.5	<0.5	
26-May-22	1.5	<0.00009	0.45	0.00005	<0.005	<0.001	<0.0001	<0.0005	<0.005	<0.001	<0.5	<0.5	<0.5	
2-Jun-22	1.4	<0.00009							<0.005		<0.5	<0.5	<0.5	
28-Jul-22	1.3	<0.00009							<0.005		<0.5	<0.5	<0.5	
31-Aug-22	1.6	<0.00009	0.57	<0.00005	<0.005	<0.001	<0.0001	<0.0005	<0.005	<0.001	<0.5	<0.5	<0.5	

**Table C-4 Surface Water Laboratory Chemical Results**

Surface Water Station	Date	BTEX & Hydrocarbons (µg/L)									
		Benzene	Toluene	Ethylbenzene	m&p-Xylene	o-Xylene	Total Xylenes	F1 (C6-C10)	F2 (C10-C16)	F3 (C16-C34)	F4 (C34-C50)
		100 <i>i</i>	0.8 <i>i</i>	8 <i>i</i>	2 <i>i</i>	40 <i>i</i>	nc	nc	nc	nc	nc
SUMP 1	23-Mar-16										
	25-May-16	<0.5	<0.5	<0.5	<1	<0.5	<1.1	<50	<50	<400	<400
	10-Aug-16	<0.5	<0.5	<0.5	<1	<0.5	<1.1	<50	<50	<400	<400
	18-Oct-16	<0.5	<0.5	<0.5	<1	<0.5	<1.1	<50	<50	<400	<400
	1-Feb-17	<0.5	<0.5	<0.5	<1	<0.5	<1.1	<50	<50	<400	<400
	5-Apr-17	<0.5	<0.5	<0.5	<1	<0.5	<1.1	<50	<50	<400	<400
	17-Jul-17	<0.5	<0.5	<0.5	<1	<0.5	<1.1	<50	<50	<400	<400
	4-Oct-17	<0.5	<0.5	<0.5	<1	<0.5	<1.1	<50	<50	<400	<400
	6-Mar-18	<0.5	<0.5	<0.5	<0.4	<0.3	<0.5	<25	<100	<250	<250
	9-May-18	<0.5	<0.5	<0.5	<0.4	<0.3	<0.5	<25	<100	<250	<250
	5-Sep-18	<0.2	0.22	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	6-Dec-18	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	9-Mar-19	<25	<0.2	<0.2	<0.2	<0.4	<0.4	<25	<100	<200	<200
	10-May-19	<25	<0.2	<0.2	<0.2	<0.4	<0.4	<25	<100	<200	<200
	4-Sep-19	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	19-Dec-19	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	2-Mar-20	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	11-Jun-20	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	27-Aug-20	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	25-Nov-20							<25	<50	<400	<400
	23-Feb-21	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	27-May-21	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	11-Aug-21	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	7-Oct-21	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	20-Jan-22										
	28-Feb-22	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	24-Mar-22										
	28-Apr-22										
26-May-22	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200	
2-Jun-22											
28-Jul-22											
31-Aug-22	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200	

Table C-4 Surface Water Laboratory Chemical Results

Surface Water Station	Date	General Parameters						Major Ions							Nutrients and Organic Indicators							
		pH (su)	EC (µS/cm)	TSS	TDS	Hardness	Colour (TCU)	Turbidity (NTU)	Alkalinity	Chloride	Sulphate	Calcium	Magnesium	Sodium	Potassium	Nitrate	Nitrite	Ammonia	Un-ionized Ammonia	TKN	TP	Phenols
		6.5 - 8.5	nc	nc	nc	nc	nc	b	c	nc	nc	nc	nc	nc	nc	nc	nc	nc	0.02 d	nc	0.03 i e	0.001
SUMP 1 (cont'd)	15-Sep-22	8.02	980	<10	555	430		0.8	220	160	8.1			43	5.8	1.44	0.028	0.099	0.001		<0.004	<0.001
	28-Oct-22	7.98	960	<10	495	400	4	1	230	160	8.9	64	59	38	5.1	1.99	0.013	0.13	0.001	<0.1	0.005	<0.001
	23-Nov-22	7.98	720	<10	335	310		1.2	260	73	9.1			15	1.9	1.36	<0.01	0.079	0.001		0.006	<0.001
	21-Dec-22	7.99	910	<10	400	360		3.1	250	130	7.7			32	3.6	1.52	<0.01	0.16	0.001		0.004	<0.001
	25-Jan-23	7.86	580	<10	255	320		0.4	270	20	7.8			2.7	0.7	1.28	<0.01	<0.05	<0.001		0.005	<0.001
	23-Feb-23	7.88	530	<10	250	280	3	0.3	260	14	7.7	64	31	3.5	0.87	1.14	<0.01	<0.05	<0.001	0.22	<0.004	<0.001
	27-Mar-23	7.81	540	<10	265	270		0.9	220	32	7.1			9.8	1.5	1.56	<0.01	<0.05	<0.003		<0.004	<0.001
	24-Apr-23	8.19	630	21	265	280		1.9	210	64	7.1			22	2.5	1.45	<0.01	0.078	<0.001		<0.004	<0.001
	17-May-23	8.09	750	<10	380	330	3	0.6	240	92	8.4	61	41	29	2.9	1.2	0.011	<0.05	<0.001	0.14	0.004	<0.001
	28-Jun-23	8.18	820	<10	625	340		0.5	200	110	8.9			32	4	1.1	<0.01	0.063	0.002		<0.004	<0.001
	26-Jul-23	8.19	780	48	405	330		3.2	190	120	8.9			30	3.9	1.22	0.015	0.075	0.005		0.015	<0.001
	10-Aug-23			<10																		
	30-Aug-23	7.89	860	12	505	390	3	4.6	200	130	8.9	57	55	36	4.7	1.26	0.019	0.095	<0.001	0.27	<0.004	<0.001
	25-Sep-23	7.99	860	<10	425	380		1.6	220	130	8.1			32	4	1.21	<0.01	0.089	0.001		0.022	<0.001
	31-Oct-23	7.93	950	<10	480	390	3	1	210	150	8	62	53	36	4.4	1.5	<0.01	0.1	0.002	<0.1	<0.004	<0.001
29-Nov-23	8.01	950	<10	440	420		0.8	230	150	8.4			36	4.7	1.6	<0.01	0.12	<0.001		<0.004	<0.001	
18-Dec-23	8.1	880	12	460	360		3.1	230	110	7.2			29	3.4	2.02	<0.01	0.11	0.001		0.008	<0.001	
SUMP 2	23-Mar-16	7.94	594	2	292	252	8		208	52.2	6	53	29.1	18	1.4	1.5	<0.1	0.03	<0.001	0.1	0.01	
	25-May-16	8.36	711	21	373	339	5		235	80.7	7	64.8	43	24.1	2.8	2	<0.1	0.08	0.004	0.2	0.01	
	10-Aug-16	8.09	947	31	469	384	4		231	159	7	64	54.5	37.1	4.5	0.8	<0.1	0.09	0.013	0.4	0.03	
	18-Oct-16	7.82	833	20	354	377	42		120	120	5	73.2	47.3	31.6	3.1	0.2	<0.1	0.14	0.005	0.3	0.02	
	1-Feb-17	7.79	734	<2	340	285	5		217	82.1	7	55.1	35.9	23.4	1.7	1	<0.1	0.02	0.001	0.2	<0.01	
	5-Apr-17	8.25	540	5	269	222	8		194	45.6	6	49.5	24	18.7	1.1	1.5	<0.1	0.03	0.001	0.2	0.02	
	17-Jul-17	7.98	794	<3	357	297	3	3	203	94.1	6	52.3	40.4	31.6	3	1.8	<0.1	0.05	0.002	0.2	0.01	
	4-Oct-17	8.25	815	<3	393	327	6	5	207	124	5	48.8	49.8	32.5	4.1	0.9	<0.1	0.03	0.001	0.2	<0.01	
	6-Mar-18	8.22	471	<2	244	214	4.3	1.95	185	32.9	3.7	49.2	21.8	12.4	1.14	0.933	<0.01	0.149	0.001	0.16	<0.003	
	9-May-18	8.31	503	<2	268	234	<2	2.27	200	39.2	4.46	50.9	25.8	16.1	1.38	1.19	<0.01	0.135	0.004	<0.15	0.0041	
	5-Sep-18			<10		270	<2		170	110	5.1	35	41	29	3.3	0.51	<0.01	<0.05	<0.003	0.16	<0.02	
	6-Dec-18			<10		300	9		230	72	5.5	56	34	22	2	1	<0.01	0.085	<0.001	0.13	<0.02	
	9-Mar-19 (2)																					
	17-May-19			<10		230	<2		190	38	4.8	47	28	13	1.5	0.86	0.011	<0.05	<0.002	<0.1	0.006	
	4-Sep-19			<10		310	<2		190	130	5.8	45	49	35	4	1.34	0.011	<0.05		0.22	<0.004	

Table C-4 Surface Water Laboratory Chemical Results

Surface Water Station	Date	Total Metals																	
		Aluminum	Antimony	Arsenic	Barium	Beryllium	Boron	Cadmium	Chromium	Cobalt	Copper	Fluoride	Iron	Lead	Manganese	Molybdenum	Nickel	Selenium	
		Al	Sb	As	Ba	Be	B	Cd	Cr	Co	Cu	F	Fe	Pb	Mn	Mo	Ni	Se	
	PWQO	0.075 <i>i</i>	0.02 <i>i</i>	0.1 <i>i</i>	nc	1.1	0.2	0.0005 <i>i</i>	0.0089	0.0009	0.005 <i>i</i>	nc	0.3	0.005 <i>i</i>	nc	0.04	0.025	0.1	
SUMP 1 (cont'd)	15-Sep-22						0.077	<0.00009	<0.005	<0.0005	0.0014		0.18	<0.0005			<0.001		
	28-Oct-22	0.013	<0.0005	0.0017	0.016	<0.0004	0.065	<0.00009	<0.005	<0.0005	<0.0009	0.24	0.2	<0.0005	0.067	0.0009	<0.001	<0.002	
	23-Nov-22						0.027	<0.00009	<0.005	<0.0005	<0.0009		0.11	<0.0005			<0.001		
	21-Dec-22						0.05	<0.00009	<0.005	0.00053	0.0019		0.43	<0.0005			0.0019		
	25-Jan-23						0.01	<0.00009	<0.005	<0.0005	<0.0009		<0.1	<0.0005			<0.001		
	23-Feb-23	0.0067	<0.0005	<0.001	0.0067	<0.0004	0.013	<0.00009	<0.005	<0.0005	<0.0009	0.12	<0.1	<0.0005	0.0034	<0.0005	<0.001	<0.002	
	27-Mar-23						0.016	<0.00009	<0.005	<0.0005	<0.0009		<0.1	<0.0005			<0.001		
	24-Apr-23						0.027	<0.00009	<0.005	<0.0005	<0.0009		<0.1	<0.0005			<0.001		
	17-May-23	0.012	<0.0005	<0.001	0.015	<0.0004	0.033	<0.00009	<0.005	<0.0005	<0.0009	0.26	<0.1	<0.0005	0.045	0.00058	<0.001	<0.002	
	28-Jun-23						0.056	<0.00009	<0.005	<0.0005	<0.0009		<0.1	<0.0005			<0.001		
	26-Jul-23						0.056	<0.00009	<0.005	<0.0005	0.0015		0.43	0.0012			<0.001		
	10-Aug-23																		
	30-Aug-23	0.05	<0.0005	0.001	0.016	<0.0004	0.063	<0.00009	<0.005	<0.0005	<0.0009	0.26	<0.1	<0.0005	0.065	0.00069	<0.001	<0.002	
	25-Sep-23						0.059	<0.00009	<0.005	<0.0005	<0.0009		<0.1	<0.0005			<0.001		
	31-Oct-23	0.0084	<0.0005	0.0012	0.016	<0.0004	0.067	<0.00009	<0.005	<0.0005	<0.0009	0.3	0.12	<0.0005	0.088	0.00066	<0.001	<0.002	
29-Nov-23						0.059	<0.00009	<0.005	<0.0005	<0.0009		0.11	<0.0005			<0.001			
18-Dec-23						0.047	<0.00009	<0.005	<0.0005	0.00098		0.23	<0.0005			<0.001			
SUMP 2	23-Mar-16	0.02	<0.0001	0.0013	0.009	<0.002	0.015	<0.00002	<0.002	<0.0001	<0.002	0.3	0.013	0.00004	0.003	0.0004	<0.01	0.002	
	25-May-16	0.14	<0.0001	0.0015	0.011	<0.002	0.033	<0.00002	<0.002	0.0002	<0.002	0.2	0.122	0.0002	0.017	0.0004	<0.01	0.004	
	10-Aug-16	0.06	0.0003	0.002	0.016	<0.002	0.058	<0.00002	<0.002	0.0003	<0.002	0.2	0.035	0.00012	0.01	0.0008	<0.01	0.006	
	18-Oct-16	0.11	<0.0001	0.0032	0.018	<0.002	0.039	<0.00002	<0.002	0.0002	<0.002	0.3	0.264	0.00009	0.091	0.0007	<0.01	0.007	
	1-Feb-17	0.03	0.0001	0.0006	0.011	<0.002	0.014	<0.00002	<0.002	0.0001	<0.002	0.2	0.014	0.00009	0.005	0.0005	<0.01	0.001	
	5-Apr-17	0.07	<0.0001	0.0005	0.011	<0.002	0.033	<0.00002	<0.002	<0.0001	<0.002	0.3	0.063	<0.00002	0.004	0.0003	<0.01	0.001	
	17-Jul-17	0.04	0.0002	0.0008	0.014	<0.002	0.052	<0.000014	<0.002	0.0001	<0.002	0.2	0.014	0.00003	0.001	0.0005	<0.01	<0.001	
	4-Oct-17	0.05	<0.0001	0.0013	0.012	<0.002	0.059	<0.000014	<0.002	0.0001	<0.002	0.2	0.048	0.00007	0.013	<0.01	<0.01	0.001	
	6-Mar-18	0.077	<0.0001	0.00021	0.00803	<0.0001	0.011	<0.000005	<0.0005	<0.0001	0.00047	0.108	0.039	<0.00005	0.00255	0.000223	<0.0005	<0.00005	
	9-May-18	0.063	<0.0001	0.00024	0.00869	<0.0001	0.016	<0.00001	<0.0005	<0.0001	<0.001	0.132	<0.05	<0.0001	0.00346	0.000244	<0.0005	<0.00005	
	5-Sep-18	0.015	<0.0005	<0.001	0.0086	<0.0005	0.049	<0.0001	<0.005	<0.0005	0.0011	0.19	<0.1	<0.0005	0.0032	0.00054	<0.001	<0.002	
	6-Dec-18	0.051	<0.0005	<0.001	0.0096	<0.0005	0.028	<0.0001	<0.005	<0.0005	0.002	0.19	<0.1	<0.0005	0.002	<0.0005	<0.001	<0.002	
	9-Mar-19 (2)																		
	17-May-19	0.028	<0.0005	<0.001	0.0085	<0.0005	0.018	<0.0001	<0.005	<0.0005	<0.001	0.11	<0.1	<0.5	0.0044	<0.0005	<0.001	<0.002	
	4-Sep-19	0.0094	<0.0005	<0.001	0.013	<0.0005	0.055	<0.0001	<0.005	<0.0005	<0.001	0.18	<0.1	<0.5	<0.002	0.024	<0.001	<0.002	

**Table C-4 Surface Water Laboratory Chemical Results**

Surface Water Station	Date	Total Metals									Oil & Grease			
		Silicon	Silver	Strontium	Thallium	Titanium	Tungsten	Uranium	Vanadium	Zinc	Zirconium	Animal / Vegetable	Mineral	Total
		SI	Ag	Sr	TI	TI	W	U	V	Zn	Zr			
	PWQO	nc	0.0001	nc	0.0003	nc	0.03 <i>i</i>	0.005 <i>i</i>	0.006 <i>i</i>	0.03	0.004 <i>i</i>	<i>f</i>	<i>f</i>	<i>f</i>
SUMP 1 (cont'd)	15-Sep-22	1.7	<0.00009							<0.005		<0.5	<0.5	<0.5
	28-Oct-22	1.7	<0.00009	0.56	<0.00005	0.0053	<0.001	0.0001	<0.0005	<0.005	<0.001	0.7	<0.5	0.7
	23-Nov-22	1.8	<0.00009							<0.005		<0.5	<0.5	<0.5
	21-Dec-22	2	<0.00009							0.006		<0.5	<0.5	<0.5
	25-Jan-23	1.7	<0.00009							<0.005		0.9	<0.5	0.9
	23-Feb-23	1.8	<0.00009	0.11	<0.00005	<0.005	<0.001	0.00011	<0.0005	<0.005	<0.001	1.2	<0.5	1.2
	27-Mar-23	1.5	<0.00009							<0.005		<0.5	<0.5	<0.5
	24-Apr-23	1.4	<0.00009							<0.005		<0.5	<0.5	<0.5
	17-May-23	1.4	<0.00009	0.35	<0.00005	<0.005	<0.001	<0.0001	<0.0005	<0.005	<0.001	<0.5	<0.5	<0.5
	28-Jun-23	1.2	<0.00009							<0.005		<0.5	0.5	0.7
	26-Jul-23	1.6	<0.00009							<0.005		<0.5	<0.5	<0.5
	10-Aug-23													
	30-Aug-23	1.5	<0.00009	0.47	<0.00005	<0.005	<0.001	<0.0001	<0.0005	<0.005	<0.001	<0.5	<0.5	<0.5
	25-Sep-23	1.7	<0.00009							<0.005		<0.5	<0.5	<0.5
	31-Oct-23	1.6	<0.00009	0.52	<0.00005	<0.005	<0.001	<0.0001	<0.0005	<0.005	<0.001	<0.5	<0.5	<0.5
29-Nov-23	1.8	<0.00009							<0.005		<0.5	<0.5	<0.5	
18-Dec-23	1.6	<0.00009							<0.005		<0.5	<0.5	<0.5	
SUMP 2	23-Mar-16		<0.00002	0.197	<0.00005	<0.005	0.04	0.00017	<0.005	<0.005	<0.003			
	25-May-16		<0.00002	0.404	<0.00005	<0.005	0.02	0.00014	<0.005	<0.005	<0.003			
	10-Aug-16		<0.00002	0.688	<0.000005	<0.005	0.04	0.00017	<0.005	<0.005	<0.003			
	18-Oct-16		<0.00002	0.446	<0.00005	<0.005	<0.01	0.00018	<0.005	<0.005	<0.003			
	1-Feb-17		<0.00002	0.234	<0.00005	<0.005	<0.01	0.00016	<0.005	<0.005	<0.003			
	5-Apr-17		<0.00002	0.147	<0.00005	<0.005	0.21	0.00014	0.005	<0.005	<0.003			
	17-Jul-17		<0.00002	0.414	<0.00005	<0.005	<0.01	0.00012	<0.005	<0.005	<0.003			
	4-Oct-17		<0.00002	0.465	<0.00005	<0.005	<0.01	0.00009	<0.005	<0.005	<0.003			
	6-Mar-18		<0.00005	0.137	<0.00001	<0.0025	<0.0001	0.000091	<0.0005	<0.001	<0.0003			
	9-May-18	1.1	<0.00005	0.169	0.00001	0.00149	<0.0001	0.000114	<0.0005	<0.003	<0.0003			
	5-Sep-18		<0.0001	0.29	<0.00005	<0.005	<0.001	<0.0001	<0.0005	<0.005	<0.001			
	6-Dec-18		<0.0001	0.25	<0.00005	<0.005	<0.001	<0.0001	<0.0005	<0.005	<0.001			
	9-Mar-19 (2)													
	17-May-19		<0.0001	0.21	<0.00005	<0.005	<0.001	<0.0001	<0.0005	<0.005	<0.001			
	4-Sep-19		<0.0001	0.29	<0.00005	0.0069	<0.001	<0.0001	<0.0005	<0.005	<0.001			

**Table C-4 Surface Water Laboratory Chemical Results**

Surface Water Station	Date	BTEX & Hydrocarbons (µg/L)									
		Benzene	Toluene	Ethylbenzene	m&p-Xylene	o-Xylene	Total Xylenes	F1 (C6-C10)	F2 (C10-C16)	F3 (C16-C34)	F4 (C34-C50)
		100 <i>i</i>	0.8 <i>i</i>	8 <i>i</i>	2 <i>i</i>	40 <i>i</i>	nc	nc	nc	nc	nc
SUMP 1 (cont'd)	15-Sep-22										
	28-Oct-22	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	23-Nov-22										
	21-Dec-22										
	25-Jan-23										
	23-Feb-23	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	27-Mar-23										
	24-Apr-23										
	17-May-23	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	28-Jun-23										
	26-Jul-23										
	10-Aug-23										
	30-Aug-23	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	25-Sep-23										
	31-Oct-23	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
29-Nov-23											
18-Dec-23											
SUMP 2	23-Mar-16	<0.5	<0.5	<0.5	<1	<0.5	<1.1	<50	<50	<400	<400
	25-May-16	<0.5	<0.5	<0.5	<1	<0.5	<1.1	<50	<50	<400	<400
	10-Aug-16	<0.5	<0.5	<0.5	<1	<0.5	<1.1	<50	<50	<400	<400
	18-Oct-16	<0.5	<0.5	<0.5	<1	<0.5	<1.1	<50	<50	<400	<400
	1-Feb-17	<0.5	<0.5	<0.5	<1	<0.5	<1.1	<50	<50	<400	<400
	5-Apr-17	<0.5	<0.5	<0.5	<1	<0.5	<1.1	<50	<50	<400	<400
	17-Jul-17	<0.5	<0.5	<0.5	<1	<0.5	<1.1	<50	<50	<400	<400
	4-Oct-17	<0.5	<0.5	<0.5	<1	<0.5	<1.1	<50	<50	<400	<400
	6-Mar-18	<0.5	<0.5	<0.5	<0.4	<0.3	<0.5	<25	<100	<250	<250
	9-May-18	<0.5	<0.5	<0.5	<0.4	<0.3	<0.5	<25	<100	<250	<250
	5-Sep-18	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	6-Dec-18	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	9-Mar-19 (2)										
	17-May-19	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
4-Sep-19	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200	

Table C-4 Surface Water Laboratory Chemical Results

Surface Water Station	Date	General Parameters						Major Ions						Nutrients and Organic Indicators								
		pH (su)	EC (µS/cm)	TSS	TDS	Hardness	Colour (TCU)	Turbidity (NTU)	Alkalinity	Chloride	Sulphate	Calcium	Magnesium	Sodium	Potassium	Nitrate	Nitrite	Ammonia	Un-ionized Ammonia	TKN	TP	Phenols
	PWQO	6.5 - 8.5	nc	nc	nc	nc	nc	b	c	nc	nc	nc	nc	nc	nc	nc	nc	0.02 d	nc	0.03 i e	0.001	
SUMP 2 (cont'd)	19-Dec-19																					
	2-Mar-20 (2)																					
	30-Jun-20			10		230	<2		130		4.8	31	44	28	4.3	0.81	0.034	0.075		0.34	0.025	
	27-Aug-20			<10		350	<2		150	160	6.5	35	60			0.5	0.028	<0.05		0.29	0.006	
	25-Nov-20			<3	456	388	5	2.9	180	173	7	59	58.6	37	5.5	1.7	<0.1	0.1		0.4	<0.01	
	23-Feb-21 (2)																					
	27-May-21			<10		330	2		170	170	7.3	35	60			0.56	0.034	<0.05		0.32	0.01	
	11-Aug-21			<10		310	5		160	150	7.6	39	54			0.6	0.028	0.17		0.37	<0.004	
	7-Oct-21			<10		320	5		180	140	6.5	50	49			1.22	0.035	0.067		0.21	0.006	
	28-Feb-22	8.14		18		380	3		240	130	8.6	73	61	49	4.6	2.67	<0.01	0.087	0.001	0.16	<0.004	
	26-May-22	8.27	942	<10		350	<2		200	160	8.4	46	64	37	6.5	2.1	0.055	0.24	0.014	0.35		
	31-Aug-22			<10		410	2		180	230	9	47	73	48	8.1	2.02	0.044	0.083	0.001	0.33	0.006	
	28-Oct-22			<10		400	2		210	210	8.8	57	74	49	7.6	2.22	0.028	0.19	0.003	<0.1	0.005	
	23-Feb-23			<10		280	<2		230	71	7.3	65	36	23	2.4	2.75	<0.01	0.23	0.001	0.42	<0.004	
	17-May-23			<10		330	<2		220	92	8.1	56	38	31	3.1	1.46	0.022	<0.05	<0.001	0.13	<0.004	
30-Aug-23			<10		420	<2		170	180	9	46	62	46	6.4	1.51	0.029	<0.05	<0.001	0.33	<0.004		
31-Oct-23			<10		400	3		180	170	8.6	54	61	43	5.9	2.46	<0.01	<0.05	<0.001	0.1	<0.004		
SW1	24-Oct-16	8.08	809	8	396	322	31		236	116	6	60.7	41.4	26.8	2.5	0.2	<0.1	0.02	<0.001	0.3	0.02	
	9-May-17	8.18	528	<3	260	237	13		171	50.3	4	49.3	27.7	18.2	1.6	1.3	<0.1	0.01	<0.001	1.1	0.02	
	8-May-18	7.97	525	<2	298	243	15.2	0.31	211	46.1	4.1	50.5	27.3	17.7	1.89	0.262	<0.01	0.035	<0.001	<0.15	0.099	
	14-May-19			<10	396	230	16		190	41	<1	49	27	19	1.6	<0.01	0.37	<0.05	<0.001	0.22	<0.02	
	19-May-20			<10	395	200	24	0.3	240	70	<1	47	31	21	2.1	0.26	<0.01	<0.05	<0.001	0.23	0.026	
	26-May-21			<10	419.65	320	42		250	110	<1	62	41			<0.1	<0.01	<0.05	<0.001	0.35	0.038	
	4-May-22	8.12	750	<10		310	<0.05		230	110	<1	60	43	28	2.4	<0.1	<0.01	0.19		0.24	0.014	
15-May-23			<10		270	31		210	81	5.4	53	35	25	2.6	<0.1	<0.01	<0.05	<0.001	0.25	0.004		
SW2	24-Oct-16	8.08	643	7	325	269	<2		259	42.8	7	64.1	26.4	22.9	0.8	1.1	<0.1	0.03	<0.001	0.2	0.01	
	9-May-17	8.12	529	<3	266	231	3		219	29.8	4	59	20.3	19.8	0.6	0.4	<0.1	<0.01	<0.001	0.2	0.01	
	8-May-18	8.01	617	<2	346	283	2.2	0.19	269	45.7	4.24	66.9	25.8	27.2	0.934	0.453	<0.01	0.048	<0.001	<0.15	0.039	
	14-May-19			<10		280	2		250	44	5.2	69	25	29	0.86	0.35	<0.1	<0.05	<0.001	<0.1	0.007	
	19-May-20			<10	750	260	<2	430	240	76	6.5	66	23	41	0.76	0.44	<0.1	<0.05		<0.1	<0.2	
27-May-21			<10	352	310	10		280	40	5.4	76	29			0.53	<0.01	<0.05	<0.001	<0.1	0.006		

Table C-4 Surface Water Laboratory Chemical Results

Surface Water Station	Date	Total Metals																
		Aluminum	Antimony	Arsenic	Barium	Beryllium	Boron	Cadmium	Chromium	Cobalt	Copper	Fluoride	Iron	Lead	Manganese	Molybdenum	Nickel	Selenium
		<b>Al</b>	<b>Sb</b>	<b>As</b>	<b>Ba</b>	<b>Be</b>	<b>B</b>	<b>Cd</b>	<b>Cr</b>	<b>Co</b>	<b>Cu</b>	<b>F</b>	<b>Fe</b>	<b>Pb</b>	<b>Mn</b>	<b>Mo</b>	<b>Ni</b>	<b>Se</b>
	PWQO	0.075 <i>i</i>	0.02 <i>i</i>	0.1 <i>i</i>	nc	1.1	0.2	0.0005 <i>i</i>	0.0089	0.0009	0.005 <i>i</i>	nc	0.3	0.005 <i>i</i>	nc	0.04	0.025	0.1
SUMP 2 (cont'd)	19-Dec-19																	
	2-Mar-20 (2)																	
	30-Jun-20	0.027		<0.001	0.006	<0.0004	0.057	<0.09	<0.005	<0.0005	<0.0009	0.14	<0.1	0.5	0.0047	0.0005	0.001	<0.002
	27-Aug-20	0.018	<0.0005	<0.001	0.0062	<0.0004	0.081	<0.09	<0.005	<0.0005	<0.0009	0.16	<0.1	<0.5	0.0057	0.00065	<0.001	<0.002
	25-Nov-20	0.04	0.3	0.0007	0.01	<0.002	0.071	<0.015	<0.002	<0.005	0.0005	<0.1	0.054	0.11	0.015	<0.01	<0.01	<0.001
	23-Feb-21 (2)																	
	27-May-21	0.016	<0.0005	<0.001	0.0066	<0.0004	0.073	<0.00009	<0.005	<0.0005	0.0019	0.11	<0.1	<0.0005	0.0079	0.00066	<0.001	<0.002
	11-Aug-21	0.029	<0.0005	<0.001	0.006	<0.0004	0.07	<0.00009	<0.005	<0.0005	<0.0009	0.16	<0.1	<0.0005	0.0064	0.00056	<0.001	<0.002
	7-Oct-21	0.034	<0.0005	<0.001	0.011	<0.0004	0.064	<0.00009	<0.005	<0.0005	<0.0009	0.18	<0.1	<0.0005	0.0068	0.00061	<0.001	<0.002
	28-Feb-22	0.0091	<0.0005	<0.001	0.021	<0.0004	0.048	<0.00009	<0.005	<0.0005	<0.0009	0.24	<0.1	<0.0005	0.045	0.00054	<0.001	<0.002
	26-May-22	0.033	<0.0005	<0.001	0.01	<0.0004	0.082	<0.00009	<0.005	<0.0005	<0.0009	0.2	<0.1	<0.0005	0.0037	0.00084	<0.001	<0.002
	31-Aug-22	0.039	<0.0005	<0.001	0.0094	<0.0004	0.11	<0.00009	<0.005	<0.0005	<0.0009	0.2	<0.1	<0.0005	0.0036	0.00099	<0.001	<0.002
	28-Oct-22	0.024	<0.0005	0.0012	0.013	<0.0004	0.096	<0.00009	<0.005	<0.0005	<0.0009	0.18	<0.1	<0.0005	0.0034	0.0011	<0.001	<0.002
	23-Feb-23	0.022	<0.0005	<0.001	0.01	<0.0004	0.03	<0.00009	<0.005	<0.0005	<0.0009	0.2	<0.1	<0.0005	0.0054	<0.0005	<0.001	<0.002
	17-May-23	0.017	<0.0005	<0.001	0.012	<0.0004	0.036	<0.00009	<0.005	<0.0005	<0.0009	0.19	<0.1	<0.0005	0.0023	0.00053	<0.001	<0.002
30-Aug-23	0.05	<0.0005	<0.001	0.012	<0.0004	0.087	<0.00009	<0.005	<0.0005	<0.0009	0.21	<0.1	<0.0005	0.0034	0.00075	<0.001	<0.002	
31-Oct-23	0.0098	<0.0005	<0.001	0.013	<0.0004	0.08	<0.00009	<0.005	<0.0005	<0.0009	0.24	<0.1	<0.0005	<0.002	0.00068	<0.001	<0.002	
SW1	24-Oct-16	0.03	<0.0001	0.0004	0.011	<0.002	0.016	<0.00002	0.002	0.0002	<0.002	0.3	0.101	0.00006	0.019	0.0005	<0.01	0.006
	9-May-17	0.03	0.0001	0.0003	0.009	<0.002	0.014	<0.000014	<0.002	0.0002	<0.002	<0.1	0.024	<0.00002	0.001	0.0004	<0.01	<0.001
	8-May-18	<0.01	<0.0001	0.00028	0.0097	<0.0001	0.023	<0.00001	<0.0005	<0.0001	<0.001	0.175	<0.05	<0.0001	0.00407	0.000336	<0.0005	<0.00005
	14-May-19	0.023	<0.0005	<0.001	0.008	<0.0005	0.017	<0.0001	<0.005	<0.0005	<0.001	0.18	<0.1	<0.0005	0.0032	<0.0005	<0.001	<0.002
	19-May-20	<0.005	<0.0005	<0.001	0.0094	<0.0005	0.026	<0.0001	<0.005	<0.0005	<0.001	0.17	<0.1	<0.0005	<0.002	<0.0005	<0.001	<0.002
	26-May-21	<0.0049	<0.0005	0.0012	0.014	<0.0004	0.05	<0.00009	<0.005	<0.0005	<0.0009	0.21	0.34	<0.0005	0.38	<0.0005	<0.001	<0.002
	4-May-22	0.0053	<0.0005	<0.001	0.011	<0.0004	0.046	<0.00009	<0.005	<0.0005	<0.0009	0.21	<0.1	<0.0005	0.017	<0.0005	<0.001	<0.002
	15-May-23	0.007	<0.0005	<0.001	0.0095	<0.0004	0.042	<0.00009	<0.005	<0.0005	<0.0009	0.24	<0.1	<0.0005	0.013	<0.0005	<0.001	<0.002
SW2	24-Oct-16	0.03	<0.0001	0.0003	0.007	<0.002	0.009	<0.00002	<0.002	0.0001	<0.002	0.1	0.102	0.00011	0.018	0.0001	<0.01	<0.001
	9-May-17	0.03	<0.0001	0.0001	0.007	<0.002	<0.005	<0.000014	<0.002	<0.0001	<0.002	<0.1	0.012	<0.00002	0.004	<0.0001	<0.01	<0.001
	8-May-18	<0.01	<0.0001	0.00012	0.00797	<0.0001	<0.01	<0.00001	<0.0005	<0.0001	<0.001	0.043	<0.05	<0.0001	0.0087	0.000075	<0.0005	0.000062
	14-May-19	0.021	<0.0005	<0.001	0.0082	<0.0005	<0.01	<0.0001	<0.005	<0.0005	<0.001	<0.1	<0.1	<0.0005	0.0081	<0.0005	<0.001	<0.002
	19-May-20	0.022	<0.0005	<0.001	0.0082	<0.0005	<0.01	<0.0001	<0.005	<0.0005	<0.001	<0.1	<0.1	<0.0005	0.0059	<0.0005	<0.001	<0.002
	27-May-21	0.014	<0.0005	<0.001	0.0084	<0.0004	<0.01	<0.00009	<0.005	<0.0005	<0.0009	<0.1	<0.1	<0.0005	0.0094	<0.0005	<0.001	<0.002



Table C-4 Surface Water Laboratory Chemical Results

Surface Water Station	Date	Total Metals									Oil & Grease			
		Silicon	Silver	Strontium	Thallium	Titanium	Tungsten	Uranium	Vanadium	Zinc	Zirconium	Animal / Vegetable	Mineral	Total
		SI	Ag	Sr	TI	TI	W	U	V	Zn	Zr			
	PWQO	nc	0.0001	nc	0.0003	nc	0.03 <i>i</i>	0.005 <i>i</i>	0.006 <i>i</i>	0.03	0.004 <i>i</i>	<i>f</i>	<i>f</i>	<i>f</i>
SUMP 2 (cont'd)	19-Dec-19													
	2-Mar-20 (2)													
	30-Jun-20		<0.09		<0.05	<0.005	<0.001	<0.1	<0.0005	<0.005	<0.001			
	27-Aug-20		<0.09	0.38	0.052	<0.005	<0.001	<0.1	<0.0005	<0.005	<0.001			
	25-Nov-20		<0.1	0.643	<0.05	<0.005	<0.01	0.06	<0.005	0.008	<0.003			
	23-Feb-21 (2)													
	27-May-21		<0.00009	0.42	<0.00005	<0.005	<0.001	<0.0001	<0.0005	<0.005	<0.001			
	11-Aug-21		<0.00009	0.41	<0.00005	<0.005	<0.001	<0.0001	<0.0005	<0.005	<0.001			
	7-Oct-21		<0.00009	0.54	<0.00005	<0.005	<0.001	<0.0001	<0.0005	<0.005	<0.001			
	28-Feb-22		<0.00009	0.58	<0.00005	<0.005	<0.001	0.00011	<0.0005	<0.005	0.0017			
	26-May-22		<0.00009	0.69	0.000056	<0.005	<0.001	<0.0001	<0.0005	<0.005	<0.001			
	31-Aug-22		<0.00009	0.72	0.000064	<0.005	<0.001	<0.0001	<0.0005	<0.005	<0.001			
	28-Oct-22		<0.00009	0.82	<0.00005	0.0054	<0.001	<0.0001	<0.0005	0.0054	<0.001			
	23-Feb-23		<0.00009	0.31	<0.00005	<0.005	<0.001	0.00011	<0.0005	<0.005	<0.001			
	17-May-23		<0.00009	0.38	<0.00005	<0.005	<0.001	<0.0001	<0.0005	<0.005	<0.001			
30-Aug-23		<0.00009	0.62	<0.00005	<0.005	<0.001	<0.0001	<0.0005	<0.005	<0.001				
31-Oct-23		<0.00009	0.67	<0.00005	<0.005	<0.001	<0.0001	<0.0005	<0.005	<0.001				
SW1	24-Oct-16		<0.00002	0.32	<0.00005	<0.005	0.02	0.00009	<0.005	0.012	<0.003			
	9-May-17		<0.00002	0.229	<0.00005	<0.005	<0.01	0.00011	<0.005	0.005	0.004			
	8-May-18		<0.00005	0.21	0.000017	<0.0003	<0.0001	0.000086	<0.0005	<0.003	<0.0003			
	14-May-19		<0.0001	0.18	<0.00005	<0.005	<0.001	<0.0001	<0.0005	<0.005	<0.001			
	19-May-20		<0.0001	0.25	<0.00005	<0.005	<0.001	<0.0001	<0.0005	<0.005	<0.001			
	26-May-21		<0.00009	0.36	<0.00005	<0.005	<0.001	<0.0001	<0.0005	<0.005	<0.001			
	4-May-22		<0.00009	0.38	<0.00005	<0.005	<0.001	<0.0001	<0.0005	<0.005	<0.001			
	15-May-23		<0.00009	0.31	<0.00005	<0.005	<0.001	<0.0001	<0.0005	<0.005	<0.001			
SW2	24-Oct-16		<0.00002	0.076	<0.00005	<0.005	<0.01	0.00009	<0.005	<0.005	<0.003			
	9-May-17		<0.00002	0.052	<0.00005	<0.005	<0.01	0.00009	<0.005	<0.005	0.006			
	8-May-18		<0.00005	0.0658	<0.00001	<0.0003	<0.0001	0.000082	<0.0005	<0.003	<0.0003			
	14-May-19		<0.0001	0.061	<0.00005	<0.005	<0.001	<0.0001	<0.0005	<0.005	<0.001			
	19-May-20		<0.0001	0.065	<0.00005	<0.005	<0.001	<0.0001	<0.0005	<0.005	<0.001			
	27-May-21		<0.00009	0.09	<0.00005	<0.005	<0.001	0.00011	<0.0005	<0.005	<0.001			

**Table C-4 Surface Water Laboratory Chemical Results**

Surface Water Station	Date	BTEX & Hydrocarbons (µg/L)									
		Benzene	Toluene	Ethylbenzene	m&p-Xylene	o-Xylene	Total Xylenes	F1 (C6-C10)	F2 (C10-C16)	F3 (C16-C34)	F4 (C34-C50)
		100 <i>i</i>	0.8 <i>i</i>	8 <i>i</i>	2 <i>i</i>	40 <i>i</i>	nc	nc	nc	nc	nc
SUMP 2 (cont'd)	19-Dec-19										
	2-Mar-20 (2)										
	30-Jun-20	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	27-Aug-20	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	25-Nov-20							<25	<50	<400	<400
	23-Feb-21 (2)										
	27-May-21	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	11-Aug-21	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	7-Oct-21	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	28-Feb-22	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	26-May-22	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	31-Aug-22	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	28-Oct-22	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	23-Feb-23	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	17-May-23	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
30-Aug-23	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200	
31-Oct-23	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200	
SW1	24-Oct-16	<0.5	<0.5	<0.5	<1	<0.5	<1.1	<50	<50	<400	<400
	9-May-17	<0.5	<0.5	<0.5	<1	<0.5	<1.1	<50	<50	<400	<400
	8-May-18	<0.5	<0.5	<0.5	<0.4	<0.3	<0.5	<25	<100	<250	<250
	14-May-19	<0.2	<0.2	<0.2	<0.2	<0.4	<0.4	<25	<100	<200	<200
	19-May-20	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	26-May-21	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	4-May-22	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	15-May-23	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
SW2	24-Oct-16	<0.5	<0.5	<0.5	<1	<0.5	<1.1	<50	<50	<400	<400
	9-May-17	<0.5	<0.5	<0.5	<1	<0.5	<1.1	<50	<50	<400	<400
	8-May-18	<0.5	<0.5	<0.5	<0.4	<0.3	<0.5	<25	<100	<250	<250
	14-May-19	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	19-May-20	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	27-May-21	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200

Table C-4 Surface Water Laboratory Chemical Results

Surface Water Station	Date	General Parameters						Major Ions						Nutrients and Organic Indicators								
		pH (su)	EC (µS/cm)	TSS	TDS	Hardness	Colour (TCU)	Turbidity (NTU)	Alkalinity	Chloride	Sulphate	Calcium	Magnesium	Sodium	Potassium	Nitrate	Nitrite	Ammonia	Un-ionized Ammonia	TKN	TP	Phenols
		6.5 - 8.5	nc	nc	nc	nc	nc	b	c	nc	nc	nc	nc	nc	nc	nc	nc	nc	0.02 d	nc	0.03 i e	0.001
SW2 (cont'd)	26-May-22	7.5	692	<10		310	3		290	49	5.8	78	31	23	0.82	0.77	<0.01	<0.05	<0.001	0.11	0.015	
	15-May-23			<10		320	2		270	59	5.3	75	30	27	0.94	0.8	<0.01	<0.05	<0.001	<0.1	0.006	
SW0-2	24-Oct-16	8.16	762	<3	373	302	49		239	95.8	10	62.2	35.6	22.7	2.4	<0.1	<0.1	0.03	<0.001	1.5	0.02	
	10-May-17	8.15	527	<3	271	256	38		188	45.7	4	57	27.5	20	2.5	0.3	<0.1	<0.01	<0.001	1.6	0.03	
	8-May-18	8	515	<2	302	246	36.8	0.41	211	44.7	3.22	54.1	26.2	17.6	2.89	0.037	<0.01	0.085	<0.001	0.26	0.526	
	14-May-19			<10		220	47		180	36	<1	49	23	16	4.5	<0.1	<0.01	<0.05	<0.001	0.44	0.054	
	19-May-20			<10	325	200	44	0.3	230	49	<1	49	23	17	2.8	<0.1	<0.01	<0.5	<0.007	<0.1	0.034	
	26-May-21			<10	384.45	310	50		250	87	<1	68	36			<0.1	<0.01	<0.05	<0.001	0.39	0.1	
	24-May-22	7.56	726	<10		300	41		240	92	<1	66	36	26	1.4	<0.1	<0.01	<0.05	<0.001	0.26	0.045	
	15-May-23			<10		320	41		230	89	3.7	61	34	23	2.4	<0.1	<0.01	<0.05	<0.001	0.26	0.034	
QFSW2	6-Mar-18	8.05	607	<2	337	270	4.3		230	54.3	5.19	55.1	29.6	17.9	1.59	0.93	<0.01	0.133	0.001	0.19	<0.003	
	9-May-18	8.24	554	<2	299	256	3.1	1.36	220	48.7	4.72	55.2	28.4	18.1	1.58	1.05	<0.01	0.084	0.001	0.16	<0.003	
	5-Sep-18			<10		290	3		200	110	5	45	42	28	3	0.38	<0.01	<0.05	<0.002	0.23	<0.02	
	6-Dec-18			<10		330	5		230	87	6.1	59	38	25	2.2	1.15	<0.01	0.12	0.001	0.24	<0.02	
	8-Mar-19	8.05	607	<2	337	270	4.3		230	54.3	5.19	55.1	29.6	17.9	1.59	0.93	<0.01	0.133	0.001	0.19	<0.003	
	17-May-19			<10		260	<2		210	44	5.5	53	30	18	1.5	1.04	<0.01	<0.05	<0.001	<0.01	0.005	
	4-Sep-19			<10		320	5		210	120	5	55	46	31	3.2	0.42	<0.01	0.13		0.25	<0.004	
	19-Dec-19			<10		350	3		230	120	7.3	63	44	29	2.9	1.47	<0.01	0.09		0.21	<0.02	
	2-Mar-20			<10		270	<2		230	84	6.5	59	37	23	2.1	1.07	<0.01	0.094		0.55	<0.02	
	11-Jun-20			15		300	<2		220	87	6.8	60	42	29	2.4	1.54	<0.01	0.11		0.21	<0.02	
	27-Aug-20			<10		330	<2		160	150	7.2	38	56			1.45	0.026	<0.05		0.34	0.005	
	25-Nov-20			18	426	382	5	18.7	201	134	7	68.7	51.1	32	3.5	2	<0.1	0.2		0.4	<0.01	
	23-Feb-21			<10	211.75	400	<2		220	170	17	75	55			5.01	<0.01	<0.05	<0.001	0.26	<0.004	
	27-May-21			<10	426.8	330	2		220	130	7	56	49			0.6	0.01	<0.05	<0.001	0.16	0.004	
	11-Aug-21			<10	414.7	310	8		190	140	7.3	50	51			0.97	0.021	0.12	0.007	0.33	<0.004	
	7-Oct-21			<10	448.8	330	7		190	130	7	56	50			1.22	0.022	0.12	0.001	0.21	0.005	
	28-Feb-22	8.09		<10		340	4		250	83	6	67	42	28	2.6	1.49	<0.01	0.13		0.21	<0.004	
	24-May-22	7.23	465	<11		320	3		230	130	7.8	58	49	33	4.1	1.77	0.02	0.22	0.001	0.3		
	31-Aug-22			<10		390	6		220	170	7.3	56	61	40	5.8	1.58	0.026	0.15	0.001	0.41	0.005	
	28-Oct-22			<10		390	8		230	170	7.3	62	62	41	5.4	1.42	0.017	0.17	0.001	0.14	<0.004	
23-Feb-23			24		380	3		190	180	12	63	59	47	4.8	5.56	<0.01	<0.05	<0.001	<0.2	<0.004		
17-May-23			<10		320	3		240	90	7.8	61	41	30	2.7	1.01	<0.01	<0.05	<0.001	0.16	<0.004		

Table C-4 Surface Water Laboratory Chemical Results

Surface Water Station	Date	Total Metals																
		Aluminum	Antimony	Arsenic	Barium	Beryllium	Boron	Cadmium	Chromium	Cobalt	Copper	Fluoride	Iron	Lead	Manganese	Molybdenum	Nickel	Selenium
		Al	Sb	As	Ba	Be	B	Cd	Cr	Co	Cu	F	Fe	Pb	Mn	Mo	Ni	Se
PWQO	0.075 i	0.02 i	0.1 i	nc	1.1	0.2	0.0005 i	0.0089	0.0009	0.005 i	nc	0.3	0.005 i	nc	0.04	0.025	0.1	
SW2 (cont'd)	26-May-22	0.019	<0.0005	<0.001	0.0094	<0.0004	0.012	<0.00009	<0.005	<0.0005	<0.0009	<0.1	<0.1	<0.0005	0.032	<0.0005	<0.001	<0.002
	15-May-23	0.042	<0.0005	<0.001	0.01	<0.0004	0.01	<0.00009	<0.005	<0.0005	<0.0009	<0.1	0.16	<0.0005	0.055	<0.0005	<0.001	<0.002
SW0-2	24-Oct-16	0.03	<0.0001	0.0014	0.011	<0.002	0.017	<0.00002	<0.002	0.0002	<0.002	0.2	0.097	0.00004	0.019	0.0003	<0.01	0.004
	10-May-17	0.04	<0.0001	0.0005	0.008	<0.002	0.01	<0.000014	<0.002	<0.0001	<0.002	<0.1	0.061	0.00002	0.005	0.0003	<0.01	<0.001
	8-May-18	0.011	<0.0001	0.00032	0.0102	<0.0001	0.02	<0.00001	<0.0005	<0.0001	<0.001	0.133	0.089	<0.0001	0.0393	0.000234	0.00056	0.000059
	14-May-19	0.0085	<0.0005	<0.001	0.0085	<0.0005	0.014	<0.0001	<0.005	<0.0005	<0.001	0.11	<0.1	<0.0005	0.0079	<0.0005	<0.001	<0.002
	19-May-20	0.017	<0.0005	<0.001	0.0094	<0.0005	0.019	<0.0001	<0.005	<0.0005	<0.001	<0.1	<0.1	<0.0005	0.036	<0.0005	<0.001	<0.002
	26-May-21	0.021	<0.0005	<0.001	0.015	<0.0004	0.03	<0.00009	<0.005	<0.0005	<0.0009	0.18	0.22	<0.0005	0.12	<0.0005	<0.001	<0.002
	24-May-22	0.017	<0.0005	<0.001	0.012	<0.0004	0.026	<0.00009	<0.005	<0.0005	<0.0009	0.18	0.17	<0.0005	0.053	<0.0005	<0.001	<0.002
	15-May-23	0.0072	<0.0005	<0.001	0.012	<0.0004	0.025	<0.00009	<0.005	<0.0005	<0.0009	0.22	<0.1	0.0019	0.032	<0.0005	<0.001	<0.002
	QFSW2	6-Mar-18	0.01	<0.0001	0.00024	0.0101	<0.0001	0.018	<0.00001	<0.0005	<0.0001	<0.001	0.182	<0.05	<0.0001	0.0192	0.000311	<0.0005
9-May-18		0.027	<0.0001	0.00027	0.00936	<0.0001	0.02	<0.00001	<0.0005	<0.0001	<0.001	0.172	<0.05	<0.0001	0.00419	0.000326	<0.0005	<0.00005
5-Sep-18		0.011	<0.0005	<0.001	0.011	<0.0005	0.044	<0.0001	<0.005	<0.0005	<0.001	0.23	<0.1	<0.0005	0.094	0.00061	<0.001	<0.002
6-Dec-18		0.02	<0.0005	<0.001	0.013	<0.0005	0.031	<0.0001	<0.005	<0.0005	<0.001	0.24	<0.1	<0.0005	0.14	0.00052	0.0011	<0.002
8-Mar-19		0.01	<0.0001	0.00024	0.0101	<0.0001	0.018	<0.00001	<0.0005	<0.0001	<0.001	0.182	<0.05	<0.0001	0.0192	0.000311	<0.0005	<0.00005
17-May-19		0.014	<0.0005	<0.001	0.01	<0.0005	0.019	<0.0001	<0.005	<0.0005	<0.001	0.17	<0.1	<0.5	0.014	<0.0005	<0.001	<0.002
4-Sep-19		0.0074	<0.0005	<0.001	0.014	<0.0005	0.046	<0.0001	<0.005	<0.0005	<0.001	0.23	<0.1	<0.5	0.13	0.00069	<0.001	<0.002
19-Dec-19		0.02	<0.0005	<0.001	0.014	<0.0005	0.037	<0.0001	<0.005	<0.0005	<0.001	0.21	<0.1	<0.5	0.1	<0.0005	<0.001	<0.002
2-Mar-20		0.0064	<0.0005	<0.001	0.013	<0.0005	0.022	<0.0001	<0.005	<0.0005	<0.001	0.21	<0.1	<0.5	0.097	<0.0005	<0.001	<0.002
11-Jun-20		0.037	<0.0005	<0.001	0.015	<0.0005	0.032	<0.0001	<0.005	<0.0005	<0.001	0.27	<0.1	<0.5	0.056	0.00056	<0.001	<0.002
27-Aug-20		0.033	<0.0005	<0.001	0.0082	<0.0004	0.079	<0.09	<0.005	<0.0005	<0.0009	0.17	<0.1	<0.5	0.0048	0.00064	<0.001	<0.002
25-Nov-20		0.06	0.3	0.0006	0.018	<0.002	0.05	<0.015	<0.002	<0.005	0.0005	<0.1	0.134	0.21	0.146	<0.01	<0.01	<0.001
23-Feb-21		0.0091	<0.0005	<0.001	0.021	<0.0004	0.048	<0.00009	<0.005	<0.0005	<0.0009	0.32	<0.1	<0.0005	0.0036	0.00072	<0.001	<0.002
27-May-21		0.014	<0.0005	<0.001	0.014	<0.0004	0.048	<0.00009	<0.005	<0.0005	<0.0009	0.17	<0.1	<0.0005	0.064	0.00055	<0.001	<0.002
11-Aug-21		0.018	<0.0005	0.0011	0.012	<0.0004	0.061	<0.00009	<0.005	<0.0005	<0.0009	0.21	<0.1	<0.0005	0.053	0.00066	<0.001	<0.002
7-Oct-21		0.027	<0.0005	<0.001	0.014	<0.0004	0.059	<0.00009	<0.005	<0.0005	<0.0009	0.19	<0.1	<0.0005	0.052	0.00055	<0.001	<0.002
28-Feb-22		0.0065	<0.0005	<0.001	0.016	<0.0004	0.029	<0.00009	<0.005	<0.0005	<0.0009	0.25	0.11	<0.0005	0.083	<0.0005	<0.001	<0.002
24-May-22		0.0099	<0.0005	<0.001	0.016	<0.0004	0.053	<0.00009	<0.005	<0.0005	<0.0009	0.22	<0.1	<0.0005	0.055	0.00053	<0.001	<0.002
31-Aug-22		0.017	<0.0005	0.0019	0.016	<0.0004	0.078	<0.00009	<0.005	<0.0005	<0.0009	0.24	0.25	<0.0005	0.079	0.00082	<0.001	<0.002
28-Oct-22		0.013	<0.0005	0.0022	0.016	<0.0004	0.069	<0.00009	<0.005	<0.0005	<0.0009	0.22	0.24	<0.0005	0.094	0.0008	<0.001	<0.002
23-Feb-23	0.015	<0.0005	<0.001	0.02	<0.0004	0.058	<0.00009	<0.005	<0.0005	<0.0009	0.29	<0.1	<0.0005	0.017	0.00066	<0.001	<0.002	
17-May-23	0.014	<0.0005	<0.001	0.014	<0.0004	0.033	<0.00009	<0.005	<0.0005	<0.0009	0.23	<0.1	<0.0005	0.055	0.00054	<0.001	<0.002	

Table C-4 Surface Water Laboratory Chemical Results

Surface Water Station	Date	Total Metals									Oil & Grease			
		Silicon	Silver	Strontium	Thallium	Titanium	Tungsten	Uranium	Vanadium	Zinc	Zirconium	Animal / Vegetable	Mineral	Total
		SI	Ag	Sr	TI	TI	W	U	V	Zn	Zr			
	PWQO	nc	0.0001	nc	0.0003	nc	0.03 <i>i</i>	0.005 <i>i</i>	0.006 <i>i</i>	0.03	0.004 <i>i</i>	<i>f</i>	<i>f</i>	<i>f</i>
SW2 (cont'd)	26-May-22		<0.00009	0.11	<0.00005	<0.005	<0.001	<0.0001	<0.0005	<0.005	<0.001			
	15-May-23		<0.00009	0.11	<0.00005	<0.005	<0.001	<0.0001	<0.0005	<0.005	<0.001			
SW0-2	24-Oct-16		<0.00002	0.228	<0.00005	<0.005	0.01	0.00011	<0.005	<0.005	<0.003			
	10-May-17		<0.00002	0.178	<0.00005	<0.005	<0.01	0.0001	<0.005	0.005	0.006			
	8-May-18		<0.00005	0.181	<0.00001	<0.0003	<0.0001	0.000075	<0.0005	<0.003	<0.0003			
	14-May-19		<0.0001	0.12	<0.00005	<0.005	<0.001	<0.0001	<0.0005	<0.005	<0.001			
	19-May-20		<0.0001	0.16	<0.00005	<0.005	<0.001	<0.0001	<0.0005	<0.005	<0.001			
	26-May-21		<0.00009	0.28	<0.00005	<0.005	<0.001	<0.0001	<0.0005	<0.005	<0.001			
	24-May-22		<0.00009	0.27	<0.00005	<0.005	<0.001	<0.0001	<0.0005	<0.005	<0.001			
	15-May-23		<0.00009	0.22	<0.00005	<0.005	<0.001	<0.0001	<0.0005	<0.005	<0.001			
	QFSW2	6-Mar-18		<0.00005	0.218	0.000016	0.00036	<0.0001	0.000127	<0.0005	0.0043	<0.0003		
9-May-18			<0.00005	0.213	0.000014	0.00049	<0.0001	0.00013	<0.0005	<0.003	<0.0003			
5-Sep-18			<0.0001	0.31	<0.00005	<0.0005	<0.001	0.00011	<0.0005	<0.005	<0.001			
6-Dec-18			<0.0001	0.29	<0.00005	<0.0005	<0.001	0.00012	<0.0005	<0.005	<0.001			
8-Mar-19			<0.00005	0.218	0.000016	0.00036	<0.0001	0.000127	<0.0005	0.0043	<0.0003			
17-May-19			<0.0001	0.21	<0.00005	<0.005	<0.001	0.00012	<0.0005	<0.005	<0.001			
4-Sep-19			<0.0001	0.31	0.000064	<0.005	<0.001	0.00011	<0.0005	<0.005	<0.001			
19-Dec-19			<0.0001	0.37	<0.00005	<0.005	<0.001	0.00011	<0.0005	<0.005	<0.001			
2-Mar-20			<0.0001	0.28	<0.00005	<0.005	<0.001	0.00011	<0.0005	<0.005	<0.001			
11-Jun-20			<0.0001	0.3	<0.00005	<0.005	<0.001	0.00013	<0.0005	0.006	<0.001			
27-Aug-20			<0.09	0.37	<0.05	<0.005	<0.001	<0.1	<0.0005	<0.005	<0.001			
25-Nov-20			<0.1	0.451	<0.05	<0.005	<0.01	0.1	<0.005	0.005	<0.003			
23-Feb-21			<0.00009	0.61	<0.00005	<0.005	<0.001	0.00015	<0.0005	<0.005	<0.001			
27-May-21			<0.00009	0.36	0.000052	<0.005	<0.001	0.00013	<0.0005	<0.005	<0.001			
11-Aug-21			<0.00009	0.4	0.000051	<0.005	<0.001	<0.0001	<0.0005	<0.005	<0.001			
7-Oct-21			<0.00009	0.5	0.00005	<0.005	<0.001	<0.0001	<0.0005	<0.005	<0.001			
28-Feb-22			<0.00009	0.33	<0.00005	<0.005	<0.001	0.00011	<0.0005	<0.005	<0.001			
24-May-22			<0.00009	0.45	0.000051	<0.005	<0.001	0.00011	<0.0005	<0.005	<0.001			
31-Aug-22			<0.00009	0.55	0.000054	<0.005	<0.001	<0.0001	<0.0005	<0.005	<0.001			
28-Oct-22			<0.00009	0.58	<0.00005	0.0052	<0.001	<0.0001	<0.0005	<0.005	<0.001			
23-Feb-23		<0.00009	0.53	<0.00005	<0.005	<0.001	0.00011	<0.0005	<0.005	<0.001				
17-May-23		<0.00009	0.35	<0.00005	<0.005	<0.001	<0.0001	<0.0005	<0.005	<0.001				

**Table C-4 Surface Water Laboratory Chemical Results**

Surface Water Station	Date	BTEX & Hydrocarbons (µg/L)									
		Benzene	Toluene	Ethylbenzene	m&p-Xylene	o-Xylene	Total Xylenes	F1 (C6-C10)	F2 (C10-C16)	F3 (C16-C34)	F4 (C34-C50)
		100 <i>i</i>	0.8 <i>i</i>	8 <i>i</i>	2 <i>i</i>	40 <i>i</i>	nc	nc	nc	nc	nc
SW2 (cont'd)	26-May-22	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	15-May-23	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
SW0-2	24-Oct-16	<0.5	<0.5	<0.5	<1	<0.5	<1.1	<50	<50	<400	<400
	10-May-17	<0.5	<0.5	<0.5	<1	<0.5	<1.1	<50	<50	<400	<400
	8-May-18	<0.5	<0.5	<0.5	<0.4	<0.3	<0.5	<25	<100	<250	<250
	14-May-19	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	19-May-20	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	26-May-21	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	24-May-22	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	15-May-23	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	QFSW2	6-Mar-18	<0.5	<0.5	<0.5	<0.4	<0.3	<0.5	<25	<100	<250
9-May-18		<0.5	<0.5	<0.5	<0.4	<0.3	<0.5	<25	<100	<250	<250
5-Sep-18		<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
6-Dec-18		<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
8-Mar-19		<0.5	<0.5	<0.5	<0.4	<0.3	<0.5	<25	<100	<250	<250
17-May-19		<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
4-Sep-19		<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
19-Dec-19		<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
2-Mar-20		<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
11-Jun-20		<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
27-Aug-20		<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
25-Nov-20								<25	<50	<400	<400
23-Feb-21		<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
27-May-21		<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
11-Aug-21		<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
7-Oct-21		<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
28-Feb-22		<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
24-May-22		<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
31-Aug-22		<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
28-Oct-22		<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
23-Feb-23	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200	
17-May-23	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200	

Table C-4 Surface Water Laboratory Chemical Results

Surface Water Station	Date	General Parameters						Major Ions						Nutrients and Organic Indicators								
		pH (su)	EC (µS/cm)	TSS	TDS	Hardness	Colour (TCU)	Turbidity (NTU)	Alkalinity	Chloride Cl	Sulphate SO <sub>4</sub>	Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Nitrate NO <sub>3</sub>	Nitrite NO <sub>2</sub>	Ammonia NH <sub>3</sub>	Un-ionized Ammonia	TKN	TP P	Phenols
QFSW2 (cont'd)	30-Aug-23			1500		330	<2		160	120	6.8	470	280	33	5	1.39	0.018	0.075	0.001	0.73	0.12	
	31-Oct-23			<10		410	6		220	150	6.4	61	55	37	4.4	1.32	<0.01	0.12	0.003	0.17	<0.004	
SW3	24-Oct-16 (1)																					
	9-May-17	7.86	315	<3	165	176	27		166	0.9	2	47.6	13.8	0.9	0.2	<0.1	<0.1	<0.01	<0.001	0.3	0.01	
	8-May-18	8.01	381	<2	240	229	33.3	0.57	212	1.74	1.08	61.1	17.5	1.05	0.456	<0.02	<0.01	0.053	<0.001	0.2	0.0082	
	14-May-19			<10		210	36		190	2.2	<1	55	16	1.2	0.44	<0.1	<0.01	<0.05	<0.001	0.26	0.019	
	19-May-20			<10	260	210	19	0.9	200	2.1	<1	52	16	1.4	0.5	<0.1	<0.01	<0.05	<0.001	0.33	<0.02	
	27-May-21			180	384.45	310	<2		300	56	<1	89	26			<0.1	<0.01	0.19	0.002	0.72	0.22	
	26-May-22	7.23	802	<10		300	8		310	73	1.1	84	24	49	0.51	<0.1	0.012	0.18	0.001	0.37	0.027	
	16-May-23			<10		250	11		240	4.3	2	61	19	3.4	<0.2	<0.1	<0.01	<0.05	<0.001	0.17	0.006	
SW6A	25-Oct-16	8.33	558	10	294	295	26		240	29.6	8	68.1	30.4	10	1.4	0.3	<0.1	0.02	<0.001	0.5	0.02	
	8-May-17	8.28	387	<3	198	205	31		181	10.5	3	49.5	19.8	5.8	0.9	0.2	<0.1	0.03	0.001	0.3	<0.01	
	8-May-18	8.14	454	2.9	262	244	26.2	0.82	237	14.4	2.4	61.8	22.1	6.06	1.57	0.126	<0.01	<0.02	<0.001	0.2	0.0075	
	14-May-19			<10		240	26		210	13	<1	56	21	5.5	1.2	0.11	<0.01	0.05	0.001	0.28	0.008	
	19-May-20			<10	270	220	28	0.3	220	16	<1	52	19	5.2	1	0.11	<0.01	<0.05	<0.001	<0.1	<0.02	
	27-May-21			<10	270.6	320	3		260	14	<1	66	28			<0.1	<0.01	<0.05	<0.002	0.37	0.016	
	25-May-22	8.07	501	<10		250	20		250	21	1.1	62	27	7	0.77	0.13	<0.01	<0.05	<0.002	0.23	0.012	
16-May-23			<10		240	23		260	20	4.2	65	27	7	1.2	<0.1	0.01	<0.05	<0.001	0.36	0.008		
SW9	25-Oct-16 (1)																					
	8-May-17	8.21	308	3	159	169	26		159	<0.5	2	44.4	14.1	0.8	0.7	0.2	<0.1	<0.01	<0.001	2.3	<0.01	
	8-May-18	8.16	342	3.1	198	200	25.3	0.9	192	1.09	1.69	55.6	15.3	0.86	1.52	<0.02	<0.01	0.039	0.001	<0.15	0.0089	
	14-May-19			<10		200	25		180	<1	<1	51	16	0.76	0.87	<0.1	<0.01	0.05	<0.001	0.25	0.009	
	19-May-20			<10	230	200	22	0.4	200	1.3	<1	54	15	0.9	1.5	0.1	<0.01	<0.05	<0.001	0.25	<0.02	
	27-May-21 (1)																					
25-May-22 (1)																						
SW10	24-Oct-16	8.09	495	1110	380	566	38		242	5.1	7	174	31.6	3.4	1	1.4	0.3	0.22	0.003	24.8	3.16	
	8-May-17	8.32	365	32	189	195	6		183	0.9	2	55	13.9	1.2	0.4	1.2	<0.1	<0.01	<0.001	0.3	0.03	
	9-May-18	8.34	393	<2	235	231	3.3	0.43	223	2.55	3.63	66	15.5	1.82	0.456	2.72	<0.01	0.135	0.004	0.25	0.0134	
	16-May-19			<10		240	4		210	3.3	4.3	69	15	1.8	0.46	2.29	<0.01	<0.05	<0.001	0.11	0.019	
	20-May-20	8.16	440	<10	235	230	5	0.2	220	4.7	4.9	70	17	2.5	0.49	1.93	<0.01	<0.05		0.27	<0.02	
	27-May-21			24	247.61	250	93		250	3.9	5.5	75	19			1.39	<0.01	0.11	0.001	0.33	0.06	

Table C-4 Surface Water Laboratory Chemical Results

Surface Water Station	Date	Total Metals																
		Aluminum	Antimony	Arsenic	Barium	Beryllium	Boron	Cadmium	Chromium	Cobalt	Copper	Fluoride	Iron	Lead	Manganese	Molybdenum	Nickel	Selenium
		<b>Al</b>	<b>Sb</b>	<b>As</b>	<b>Ba</b>	<b>Be</b>	<b>B</b>	<b>Cd</b>	<b>Cr</b>	<b>Co</b>	<b>Cu</b>	<b>F</b>	<b>Fe</b>	<b>Pb</b>	<b>Mn</b>	<b>Mo</b>	<b>Ni</b>	<b>Se</b>
	PWQO	0.075 <i>i</i>	0.02 <i>i</i>	0.1 <i>i</i>	nc	1.1	0.2	0.0005 <i>i</i>	0.0089	0.0009	0.005 <i>i</i>	nc	0.3	0.005 <i>i</i>	nc	0.04	0.025	0.1
QFSW2 (cont'd)	30-Aug-23	2.9	<0.0005	0.0034	0.027	<0.0004	0.071	<0.00009	<0.005	0.002	0.0079	0.25	5.6	0.0083	0.49	0.00078	0.0047	<0.002
	31-Oct-23	0.01	<0.0005	0.0016	0.016	<0.0004	0.067	<0.00009	<0.005	<0.0005	<0.0009	0.29	0.15	<0.0005	0.11	0.00064	<0.001	<0.002
SW3	24-Oct-16 (1)																	
	9-May-17	0.05	<0.0001	<0.0001	0.009	<0.002	<0.005	<0.000014	<0.002	<0.0001	<0.002	<0.1	0.086	<0.00002	0.011	<0.0001	<0.01	<0.001
	8-May-18	0.03	<0.0001	0.00028	0.0117	<0.0001	<0.01	<0.00001	<0.0005	<0.0001	<0.001	0.029	0.055	<0.0001	0.0219	0.000051	<0.0005	0.000068
	14-May-19	0.026	<0.0005	<0.001	0.01	<0.0005	<0.01	<0.0001	<0.005	<0.0005	<0.001	<0.1	<0.1	<0.0005	0.011	<0.0005	<0.001	<0.002
	19-May-20	0.03	<0.0005	<0.001	0.0094	<0.0005	<0.01	<0.0001	<0.005	<0.0005	<0.001	0.15	<0.1	<0.0005	0.0094	<0.0005	<0.001	<0.002
	27-May-21	1.1	<0.0005	0.0014	0.028	<0.0004	<0.01	0.00011	<0.005	0.0015	0.0034	<0.1	2.5	0.0019	3.1	0.00051	0.002	<0.002
	26-May-22	0.1	<0.0005	<0.001	0.022	<0.0004	0.011	<0.00009	<0.005	<0.0005	<0.0009	<0.1	0.5	<0.0005	0.82	<0.0005	<0.001	<0.002
	16-May-23	0.014	<0.0005	<0.001	0.01	<0.0004	<0.01	<0.00009	<0.005	<0.0005	<0.0009	<0.1	<0.1	<0.0005	0.081	<0.0005	<0.001	<0.002
SW6A	25-Oct-16	0.04	0.0002	0.0005	0.014	<0.002	0.007	<0.00002	<0.002	0.0002	<0.002	0.2	0.104	0.00017	0.081	<0.0001	<0.01	0.002
	8-May-17	0.03	<0.0001	0.0002	0.01	<0.002	0.012	<0.000014	<0.002	<0.0001	<0.002	<0.1	0.085	<0.00002	0.007	0.0001	<0.01	<0.001
	8-May-18	0.014	<0.0001	0.00022	0.0133	<0.0001	0.011	<0.00001	<0.0005	<0.0001	<0.001	0.05	0.068	<0.0001	0.0269	0.000106	<0.0005	<0.00005
	14-May-19	0.01	<0.0005	<0.001	0.011	<0.0005	<0.01	<0.0001	<0.005	<0.0005	<0.001	<0.1	<0.1	<0.0005	0.012	<0.0005	<0.001	<0.002
	19-May-20	0.02	<0.0005	<0.001	0.01	<0.0005	<0.01	<0.0001	<0.005	<0.0005	<0.001	<0.1	<0.1	<0.0005	0.031	<0.0005	<0.001	<0.002
	27-May-21	0.017	<0.0005	<0.001	0.015	<0.0004	<0.01	<0.00009	<0.005	<0.0005	<0.0009	<0.1	0.16	<0.0005	0.044	<0.0005	<0.001	<0.002
	25-May-22	0.015	<0.0005	<0.001	0.012	<0.0004	<0.01	<0.00009	<0.005	<0.0005	<0.0009	<0.1	<0.1	<0.0005	0.027	<0.0005	<0.001	<0.002
	16-May-23	0.011	<0.0005	<0.001	0.011	<0.0004	<0.01	<0.00009	<0.005	<0.0005	<0.0009	<0.1	<0.1	<0.0005	0.025	<0.0005	<0.001	<0.002
SW9	25-Oct-16 (1)																	
	8-May-17	0.03	<0.0001	0.0001	0.01	<0.002	0.01	<0.000014	<0.002	<0.0001	<0.002	<0.1	0.058	0.00003	0.001	<0.0001	<0.01	<0.001
	8-May-18	0.024	<0.0001	0.0002	0.0144	<0.0001	<0.01	<0.00001	<0.0005	<0.0001	<0.001	0.035	<0.05	<0.0001	0.00211	0.000104	<0.0005	0.000061
	14-May-19	0.029	<0.0005	<0.001	0.011	<0.0005	<0.01	<0.0001	<0.005	<0.0005	<0.001	<0.1	<0.1	<0.0005	<0.002	<0.0005	<0.001	<0.002
	19-May-20	0.038	<0.0005	<0.001	0.013	<0.0005	<0.01	<0.0001	<0.005	<0.0005	<0.001	<0.1	<0.1	<0.0005	0.0025	<0.0005	<0.001	<0.002
	27-May-21 (1)																	
25-May-22 (1)																		
SW10	24-Oct-16	3.02	<0.0001	0.0015	0.065	<0.002	0.022	0.00068	0.003	0.0034	0.016	<0.1	3.53	0.0175	0.697	<0.0001	<0.01	<0.001
	8-May-17	0.11	<0.0001	0.0002	0.007	<0.002	0.008	<0.000014	0.002	<0.0001	<0.002	<0.1	0.181	0.00032	0.008	<0.0001	<0.01	<0.001
	9-May-18	0.028	<0.0001	0.00013	0.00821	<0.0001	<0.01	<0.00001	<0.0005	<0.0001	<0.001	0.04	<0.05	<0.0001	0.00168	<0.00005	<0.0005	<0.00005
	16-May-19	0.052	<0.0005	<0.001	0.0086	<0.0005	<0.01	<0.0001	<0.005	<0.0005	<0.001	<0.1	<0.1	<0.0005	0.0028	<0.0005	<0.001	<0.002
	20-May-20	0.019	<0.0005	<0.001	0.0083	<0.0005	<0.01	<0.0001	<0.005	<0.0005	0.0026	<0.1	<0.1	<0.0005	<0.002	<0.0005	<0.001	<0.002
	27-May-21	0.14	<0.0005	<0.001	0.01	<0.0004	<0.01	<0.00009	<0.005	<0.0005	<0.0009	<0.1	0.21	<0.0005	0.0089	<0.0005	<0.001	<0.002



Table C-4 Surface Water Laboratory Chemical Results

Surface Water Station	Date	Total Metals									Oil & Grease			
		Silicon	Silver	Strontium	Thallium	Titanium	Tungsten	Uranium	Vanadium	Zinc	Zirconium	Animal / Vegetable	Mineral	Total
		SI	Ag	Sr	TI	TI	W	U	V	Zn	Zr			
	PWQO	nc	0.0001	nc	0.0003	nc	0.03 <i>i</i>	0.005 <i>i</i>	0.006 <i>i</i>	0.03	0.004 <i>i</i>	<i>f</i>	<i>f</i>	<i>f</i>
QFSW2 (cont'd)	30-Aug-23		<0.00009	0.56	0.000089	0.059	<0.001	0.00019	0.0046	0.047	<0.001			
	31-Oct-23		<0.00009	0.51	0.00005	<0.005	<0.001	<0.0001	<0.0005	<0.005	<0.001			
SW3	24-Oct-16 (1)													
	9-May-17		<0.00002	0.043	<0.00005	<0.005	<0.01	0.00014	<0.005	<0.005	0.005			
	8-May-18		<0.00005	0.0628	<0.00001	0.00069	<0.0001	0.000176	<0.0005	<0.003	<0.0003			
	14-May-19		<0.0001	0.051	<0.00005	<0.005	<0.001	0.00013	<0.0005	<0.005	<0.001			
	19-May-20		<0.0001	0.047	<0.00005	<0.005	<0.001	0.00017	<0.0005	<0.005	<0.001			
	27-May-21		<0.00009	0.098	<0.00005	0.028	<0.001	0.00024	0.0034	0.02	<0.001			
	26-May-22		<0.00009	0.1	<0.00005	0.0058	<0.001	0.00023	0.00063	<0.005	<0.001			
	16-May-23		<0.00009	0.053	<0.00005	<0.005	<0.001	0.00017	<0.0005	<0.005	<0.001			
SW6A	25-Oct-16		<0.00002	0.1	<0.00005	<0.005	<0.01	0.00012	<0.005	<0.005	<0.003			
	8-May-17		<0.00002		<0.00005	<0.005	<0.01	0.0001	<0.005	0.006	<0.003			
	8-May-18		<0.00005	0.0846	<0.00001	<0.0003	<0.0001	0.000103	<0.0005	<0.003	<0.0003			
	14-May-19		<0.0001	0.068	<0.00005	<0.005	<0.001	<0.0001	<0.0005	<0.005	<0.001			
	19-May-20		<0.0001	0.065	<0.00005	<0.005	<0.001	<0.0001	<0.0005	<0.005	<0.001			
	27-May-21		<0.00009	0.081	<0.00005	<0.005	<0.001	<0.0001	<0.0005	<0.005	<0.001			
	25-May-22		<0.00009	0.085	<0.00005	<0.005	<0.001	0.00011	<0.0005	<0.005	<0.001			
	16-May-23		<0.00009	0.086	<0.00005	<0.005	<0.001	0.00011	<0.0005	<0.005	<0.001			
SW9	25-Oct-16 (1)													
	8-May-17		<0.00002		<0.00005	<0.005	<0.01	0.00015	<0.005	<0.005	<0.003			
	8-May-18		<0.00005	0.066	<0.00001	0.0008	<0.0001	0.000216	<0.0005	<0.003	<0.0003			
	14-May-19		<0.0001	0.052	<0.00005	<0.005	<0.001	0.00018	<0.0005	<0.005	<0.001			
	19-May-20		<0.0001	0.061	<0.00005	<0.005	<0.001	0.00021	<0.0005	<0.005	<0.001			
	27-May-21 (1)													
25-May-22 (1)														
SW10	24-Oct-16		<0.00002	0.165	0.00006	0.012	0.02	0.00017	0.005	0.049	<0.003			
	8-May-17		<0.00002		<0.00005	<0.005	<0.01	0.00007	<0.005	<0.005	<0.003			
	9-May-18		<0.00005	0.086	<0.00001	0.00075	<0.0001	0.000085	<0.0005	<0.003	<0.0003			
	16-May-19		<0.0001	0.079	<0.00005	<0.005	<0.001	<0.0001	<0.0005	<0.005	<0.001			
	20-May-20		<0.0001	0.079	<0.00005	0.0052	<0.001	<0.0001	<0.0005	<0.005	<0.001			
	27-May-21		<0.00009	0.095	<0.00005	0.0074	<0.001	<0.0001	0.0005	<0.005	<0.001			

**Table C-4 Surface Water Laboratory Chemical Results**

Surface Water Station	Date	BTEX & Hydrocarbons (µg/L)									
		Benzene	Toluene	Ethylbenzene	m&p-Xylene	o-Xylene	Total Xylenes	F1 (C6-C10)	F2 (C10-C16)	F3 (C16-C34)	F4 (C34-C50)
		100 <i>i</i>	0.8 <i>i</i>	8 <i>i</i>	2 <i>i</i>	40 <i>i</i>	nc	nc	nc	nc	nc
QFSW2 (cont'd)	30-Aug-23	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	31-Oct-23	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
SW3	24-Oct-16 (1)										
	9-May-17	<0.5	<0.5	<0.5	<1	<0.5	<1.1	<50	<50	<400	<400
	8-May-18	<0.5	<0.5	<0.5	<0.4	<0.3	<0.5	<25	<100	<250	<250
	14-May-19	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	19-May-20	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	27-May-21	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	26-May-22	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	16-May-23	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
SW6A	25-Oct-16	<0.5	<0.5	<0.5	<1	<0.5	<1.1	<50	<50	<400	<400
	8-May-17	<0.5	<0.5	<0.5	<1	<0.5	<1.1	<50	<50	<400	<400
	8-May-18	<0.5	<0.5	<0.5	<0.4	<0.3	<0.5	<25	<100	<250	<250
	14-May-19	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	19-May-20	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	27-May-21	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	25-May-22	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	16-May-23	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
SW9	25-Oct-16 (1)										
	8-May-17	<0.5	<0.5	<0.5	<1	<0.5	<1.1	<50	<50	<400	<400
	8-May-18	<0.5	<0.5	<0.5	<0.4	<0.3	<0.5	<25	<100	<250	<250
	14-May-19	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	19-May-20	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	27-May-21 (1)										
25-May-22 (1)											
SW10	24-Oct-16	<0.5	<0.5	<0.5	<1	<0.5	<1.1	<50	<50	<400	<400
	8-May-17	<0.5	<0.5	<0.5	<1	<0.5	<1.1	<50	<50	<400	<400
	9-May-18	<0.5	<0.5	<0.5	<0.4	<0.3	<0.5	<25	<100	<250	<250
	16-May-19	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	20-May-20	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	27-May-21	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200

Table C-4 Surface Water Laboratory Chemical Results

Surface Water Station	Date	General Parameters						Major Ions						Nutrients and Organic Indicators								
		pH (su)	EC (µS/cm)	TSS	TDS	Hardness	Colour (TCU)	Turbidity (NTU)	Alkalinity	Chloride Cl	Sulphate SO <sub>4</sub>	Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Nitrate NO <sub>3</sub>	Nitrite NO <sub>2</sub>	Ammonia NH <sub>3</sub>	Un-ionized Ammonia	TKN	TP P	Phenols
SW10 (cont'd)	24-May-22	8.12	479.3	450		340	5		260	3.9	4.6	90	21	2.3	1	0.99	<0.01	0.14	0.004	0.14	0.88	
	17-May-23			<10		260	4		250	1	4.3	71	18	1.7	0.4	1.65	<0.01	<0.05	<0.001	<0.1	0.01	
SW11	16-Nov-16	7.95	484	195	245	255	13		236	2.4	7	69.8	19.7	1.9	0.7	0.3	<0.1	<0.01	<0.001	0.3	0.02	
	8-May-17	8.28	315	<3	165	175	9		164	<0.5	3	47.2	13.8	0.9	0.7	0.3	<0.1	<0.01	<0.001	1.6	0.01	
	9-May-18	8.31	341	<2	196	200	7.3	0.68	201	1.03	2.49	55.3	15.4	0.88	0.866	0.266	<0.01	0.025	<0.001	<0.15	0.0104	
	16-May-19			<10		200	7		200	1.5	1	57	15	0.94	0.87	0.24	<0.01	<0.05	<0.001	0.11	0.11	
	20-May-20	8.21	380	<10	195	200	7	0.5	200	1.3	2	55	16	1	0.85	0.37	<0.01	<0.05		0.17	<0.02	
	26-May-21			<10	221.82	230	5		230	1.6	4.5	64	17			0.25	<0.01	<0.05	<0.001	<0.1	0.012	
	25-May-22	8.25	399	<10		220	5		230	1.6	2.2	64	18	0.93	0.65	0.29	<0.01	0.082	0.002	<0.1	0.02	
	17-May-23			<10		230	5		220	<1	3.8	57	17	0.91	0.62	0.25	<0.01	<0.05	<0.001	0.13	0.01	
SW11A	25-Oct-16 (1)																					
	8-May-17	8.26	310	<3	161	169	8		161	0.6	2	45.4	13.5	0.9	0.7	0.3	<0.1	<0.01	<0.001	1.4	0.01	
	9-May-18	8.28	349	2.3	200	209	5.4	0.85	210	1.12	2.4	55.1	15.7	0.92	0.925	0.222	<0.01	0.045	<0.001	<0.15	0.0053	
	16-May-19			<10		200	5		190	1.4	<1	56	15	0.88	0.89	0.21	<0.01	<0.05	<0.001	0.15	0.006	
	20-May-20			<10	205	210	4	0.2	210	1.9	3.2	58	18	1.1	0.88	0.28	<0.01	<0.05	<0.001	0.15	<0.02	
	26-May-21			<10	223.3	230	4		230	1.9	3.1	64	18			0.21	<0.01	<0.05	<0.001	<0.1	0.006	
	25-May-22	7.84	438	190		230	3		240	1.1	2.8	72	21	1.1	1	0.21	<0.01	<0.05	<0.001	<0.1	0.088	
	17-May-23			<10		230	4		230	<1	3.8	63	18	0.88	0.66	0.2	<0.01	<0.05	<0.001	<0.1	<0.004	
SW11B	24-Oct-16	8.41	439	100	268	248	7		230	2.2	7	67.8	19.2	1.6	0.8	0.2	0.2	0.02	<0.001	0.4	0.08	
	8-May-17	8.27	318	<3	159	165	8		160	<0.5	2	44.1	13.3	0.9	0.7	0.3	<0.1	<0.01	<0.001	2.2	<0.01	
	9-May-18	8.26	349	<2	210	198	5.4	0.42	195	1.11	2.39	56.2				0.217	<0.01	0.053	<0.001	<0.15	0.0046	
	16-May-19			<10		200	6		200	1.1	<1	57	15	0.95	0.91	0.2	<0.01	<0.05	<0.001	0.15	0.006	
	20-May-20			18	165	210	5	0.2	210	1.7	3.1	57	18	1.1	0.93	0.27	<0.01	<0.05	<0.001	0.13	<0.02	
	26-May-21			49	224.4	230	4		240	2.4	3.1	72	20			0.22	<0.01	<0.05	<0.001	<0.1	0.094	
	25-May-22	7.62	435.6	110		230	2		240	1.5	3.2	66	20	1	0.71	0.25	<0.01	<0.05	<0.001	<0.1	0.12	
	17-May-23			<10		250	4		220	<1	3.6	61	18	0.9	0.62	0.21	<0.01	<0.05	<0.001	<0.1	0.005	
SW11C	24-Oct-16	8.24	466	16	243	246	<2		239	2.4	7	65.9	19.8	1.9	0.5	0.4	0.2	0.02	<0.001	0.2	0.03	
	8-May-17	8.31	317	<3	164	164	2		317	170	<0.1	45.6	13.5	0.9	0.7	<0.1	0.3	<0.01	<0.001	1.1	<0.01	
	9-May-18	8.23	350	<2	210	200	5.5	0.36	200	1.11	2.43	54.1	15.7	0.9	0.896	0.231	<0.01	0.072	0.001	<0.15	0.0057	
	16-May-19			<10		200	5		190	1.3	<1	56	15	0.92	0.87	0.21	<0.01	<0.05	<0.001	0.16	0.005	
	20-May-20			<10	210	210	4	0.4	210	1.8	3.5	57	17	1	0.89	0.29	<0.01	0.056	0.001	0.14	<0.02	
	26-May-21			<10	226.99	230	4		240	2.1	3.3	65	18			0.22	<0.01	<0.05	<0.001	<0.1	0.007	

Table C-4 Surface Water Laboratory Chemical Results

Surface Water Station	Date	Total Metals																
		Aluminum	Antimony	Arsenic	Barium	Beryllium	Boron	Cadmium	Chromium	Cobalt	Copper	Fluoride	Iron	Lead	Manganese	Molybdenum	Nickel	Selenium
		Al	Sb	As	Ba	Be	B	Cd	Cr	Co	Cu	F	Fe	Pb	Mn	Mo	Ni	Se
	PWQO	0.075 <i>i</i>	0.02 <i>i</i>	0.1 <i>i</i>	nc	1.1	0.2	0.0005 <i>i</i>	0.0089	0.0009	0.005 <i>i</i>	nc	0.3	0.005 <i>i</i>	nc	0.04	0.025	0.1
SW10 (cont'd)	24-May-22	4.2	<0.0005	0.0022	0.033	<0.0004	0.011	0.00018	0.0059	0.0024	0.0085	<0.1	6.6	0.012	0.27	<0.0005	0.0052	<0.002
	17-May-23	0.023	<0.0005	<0.001	0.0081	<0.0004	<0.01	<0.00009	<0.005	<0.0005	<0.0009	<0.1	<0.1	<0.0005	<0.002	<0.0005	<0.001	<0.002
SW11	16-Nov-16	0.16	<0.0001	0.0001	0.012	<0.002	<0.005	0.00009	0.099	0.0009	0.002	<0.1	0.863	0.00022	0.036	0.0083	0.1	<0.001
	8-May-17	0.03	<0.0001	0.0001	0.007	<0.002	0.008	<0.000014	<0.002	<0.0001	<0.002	<0.1	0.051	<0.00002	0.001	<0.0001	<0.01	<0.001
	9-May-18	0.021	<0.0001	0.00015	0.00864	<0.0001	<0.01	<0.00001	<0.0005	<0.0001	<0.001	0.034	<0.05	<0.0001	0.00071	0.000066	<0.0005	<0.00005
	16-May-19	0.082	<0.0005	<0.001	0.009	<0.0005	<0.01	<0.0001	<0.005	<0.0005	<0.001	<0.1	<0.1	<0.0005	0.0028	<0.0005	<0.001	<0.002
	20-May-20	0.086	<0.0005	<0.001	0.0085	<0.0005	0.01	<0.0001	<0.005	<0.0005	<0.001	<0.1	<0.1	<0.0005	0.0046	<0.0005	<0.001	<0.002
	26-May-21	0.035	<0.0005	<0.001	0.0093	<0.0004	<0.01	<0.00009	<0.005	<0.0005	<0.0009	<0.1	<0.1	<0.0005	<0.002	<0.0005	<0.001	<0.002
	25-May-22	0.036	<0.0005	<0.001	0.0089	<0.0004	<0.01	<0.00009	<0.005	<0.0005	<0.0009	<0.1	<0.1	<0.0005	<0.002	<0.0005	<0.001	<0.002
	17-May-23	0.037	<0.0005	<0.001	0.008	<0.0004	0.011	<0.00009	<0.005	<0.0005	<0.0009	<0.1	<0.1	<0.0005	0.003	<0.0005	<0.001	<0.002
SW11A	25-Oct-16 (1)																	
	8-May-17	0.02	<0.0001	0.0001	0.008	<0.002	0.008	<0.000014	<0.002	<0.0001	<0.002	<0.1	0.031	<0.00002	<0.001	<0.0001	<0.01	<0.001
	9-May-18	0.027	<0.0001	0.00014	0.00918	<0.0001	<0.01	<0.00001	<0.0005	<0.0001	<0.001	0.034	<0.05	<0.0001	0.00069	0.000066	<0.0005	0.000063
	16-May-19	0.019	<0.0005	<0.001	0.092	<0.0005	<0.01	<0.001	<0.005	<0.0005	<0.001	<0.1	<0.1	<0.0005	<0.002	<0.0005	<0.1	<0.002
	20-May-20	0.057	<0.0005	<0.001	0.0094	<0.0005	<0.01	<0.0001	<0.005	<0.0005	<0.001	<0.1	<0.1	<0.0005	0.0032	<0.0005	<0.001	<0.002
	26-May-21	0.0094	<0.0005	<0.001	0.0091	<0.0004	<0.01	<0.00009	<0.005	<0.0005	<0.0009	<0.1	<0.1	<0.0005	<0.002	<0.0005	<0.001	<0.002
	25-May-22	0.91	<0.0005	<0.001	0.015	<0.0004	<0.01	<0.00009	<0.005	0.00083	0.004	<0.1	1.3	0.00089	0.053	<0.0005	0.0015	<0.002
	17-May-23	0.011	<0.0005	<0.001	0.0089	<0.0004	<0.01	<0.00009	<0.005	<0.0005	<0.0009	<0.1	<0.1	<0.0005	<0.002	<0.0005	<0.001	<0.002
SW11B	24-Oct-16	0.2	<0.0001	0.0003	0.013	<0.002	0.007	0.0001	<0.002	0.0032	0.009	<0.1	0.759	0.00335	0.489	<0.0001	<0.01	<0.001
	8-May-17	0.03	<0.0001	0.0001	0.007	<0.002	0.008	<0.000014	<0.002	<0.0001	<0.002	<0.1	0.05	<0.00002	0.002	<0.0001	<0.01	<0.001
	9-May-18	0.014	<0.0001	0.00011	0.00914	<0.0001	<0.01	<0.00001	<0.0005	<0.0001	<0.001	0.033	<0.05	<0.0001	<0.0005	0.000066	<0.0005	0.00007
	16-May-19	0.000021	<0.0005	<0.001	0.0094	<0.0005	<0.01	<0.0001	<0.005	<0.0005	<0.001	<0.1	<0.01	<0.0005	<0.002	<0.0005	<0.001	<0.002
	20-May-20	0.16	<0.0005	<0.001	0.01	<0.0005	<0.01	<0.0001	<0.005	<0.0005	0.0012	<0.1	0.23	<0.0005	0.016	<0.0005	<0.001	<0.002
	26-May-21	0.96	<0.0005	<0.001	0.015	<0.0004	<0.01	<0.00009	<0.005	0.0011	0.0043	<0.1	1.4	0.00092	0.086	<0.0005	0.0014	<0.002
	25-May-22	0.14	<0.0005	<0.001	0.01	<0.0004	<0.01	<0.00009	<0.005	<0.0005	0.00091	<0.1	0.21	<0.0005	0.015	<0.0005	<0.001	<0.002
	17-May-23	0.041	<0.0005	<0.001	0.0088	<0.0004	<0.01	<0.00009	<0.005	<0.0005	0.0011	<0.1	<0.1	<0.0005	0.0028	<0.0005	<0.001	<0.002
SW11C	24-Oct-16	0.06	<0.0001	0.0002	0.01	<0.002	0.005	<0.00002	<0.002	0.0002	<0.002	<0.1	0.037	0.00011	0.009	0.0001	<0.01	<0.001
	8-May-17	0.02	<0.0001	0.0001	0.007	<0.002	0.007	<0.000014	<0.002	<0.0001	<0.002	<0.5	0.033	<0.00002	<0.001	<0.0001	<0.01	<0.001
	9-May-18	<0.01	<0.0001	0.00012	0.009	<0.0001	<0.01	<0.00001	<0.0005	<0.0001	<0.001	0.035	<0.05	<0.0001	<0.0005	0.000075	<0.0005	0.000078
	16-May-19	0.000011	<0.0005	<0.001	0.0092	<0.0005	<0.01	<0.0001	<0.005	<0.0005	<0.001	<0.1	<0.01	<0.0005	<0.002	<0.0005	<0.001	<0.002
	20-May-20	0.13	<0.0005	<0.001	0.011	<0.0005	<0.01	<0.0001	<0.005	<0.0005	0.0014	<0.1	0.14	0.0017	0.045	<0.0005	<0.001	<0.002
	26-May-21	0.016	<0.0005	<0.001	0.0098	<0.0004	<0.01	<0.00009	<0.005	<0.0005	<0.0009	<0.1	<0.1	<0.0005	<0.002	<0.0005	<0.001	<0.002

Table C-4 Surface Water Laboratory Chemical Results

Surface Water Station	Date	Total Metals									Oil & Grease			
		Silicon	Silver	Strontium	Thallium	Titanium	Tungsten	Uranium	Vanadium	Zinc	Zirconium	Animal / Vegetable	Mineral	Total
		SI	Ag	Sr	TI	TI	W	U	V	Zn	Zr			
	PWQO	nc	0.0001	nc	0.0003	nc	0.03 <i>i</i>	0.005 <i>i</i>	0.006 <i>i</i>	0.03	0.004 <i>i</i>	<i>f</i>	<i>f</i>	<i>f</i>
SW10 (cont'd)	24-May-22		<0.0009	0.11	0.00012	0.1	<0.001	0.00021	0.0068	0.023	<0.001			
	17-May-23		<0.0009	0.086	<0.00005	<0.005	<0.001	<0.0001	<0.0005	<0.005	<0.001			
SW11	16-Nov-16		<0.0002	0.092	<0.00005	<0.005	<0.01	0.00012	<0.005	<0.005	<0.003			
	8-May-17		<0.0002		<0.00005	<0.005	<0.01	0.00011	<0.005	<0.005	<0.003			
	9-May-18		<0.00005	0.0623	<0.00001	0.00061	<0.0001	0.000129	<0.0005	<0.003	<0.0003			
	16-May-19		<0.0001	0.058	<0.00005	<0.005	<0.001	0.00011	<0.0005	<0.005	<0.001			
	20-May-20		<0.0001	0.055	<0.00005	<0.005	<0.001	0.00012	<0.0005	<0.005	<0.001			
	26-May-21		<0.00009	0.07	<0.00005	<0.005	<0.001	0.00012	<0.0005	<0.005	<0.001			
	25-May-22		<0.00009	0.068	<0.00005	<0.005	<0.001	0.00012	<0.0005	<0.005	<0.001			
	17-May-23		<0.00009	0.063	<0.00005	<0.005	<0.001	0.00012	<0.0005	<0.005	<0.001			
SW11A	25-Oct-16 (1)													
	8-May-17		<0.0002		<0.00005	<0.005	<0.01	0.0001	<0.005	<0.005	<0.003			
	9-May-18		<0.00005	0.0594	<0.00001	0.00048	<0.0001	0.000137	<0.0005	<0.003	<0.0003			
	16-May-19		<0.0001	0.055	<0.00005	<0.005	<0.001	0.00011	<0.0005	<0.005	<0.001			
	20-May-20		<0.0001	0.057	<0.00005	<0.005	<0.001	0.00014	<0.0005	<0.005	<0.001			
	26-May-21		<0.00009	0.066	<0.00005	<0.005	<0.001	0.00013	<0.0005	<0.005	<0.001			
	25-May-22		<0.00009	0.074	<0.00005	0.021	<0.001	0.00016	0.0018	0.0054	<0.001			
	17-May-23		<0.00009	0.062	<0.00005	<0.005	<0.001	0.00011	<0.0005	<0.005	<0.001			
SW11B	24-Oct-16		<0.0002	0.102	<0.00005	0.007	<0.01	0.00025	<0.005	0.008	<0.003			
	8-May-17		<0.0002		<0.00005	<0.005	<0.01	0.0001	<0.005	<0.005	<0.003			
	9-May-18		<0.00005	0.0626	<0.00001	0.00045	<0.0001	0.000136	<0.0005	<0.003	<0.0003			
	16-May-19		<0.0001	0.058	<0.00005	<0.005	<0.001	<0.0001	<0.0005	<0.005	<0.001			
	20-May-20		<0.0001	0.058	<0.00005	0.0062	<0.001	0.00013	0.00057	<0.005	<0.001			
	26-May-21		<0.00009	0.075	<0.00005	0.032	<0.001	0.00018	0.0022	<0.005	<0.001			
	25-May-22		<0.00009	0.069	<0.00005	0.0055	<0.001	0.00013	<0.0005	<0.005	<0.001			
	17-May-23		<0.00009	0.062	<0.00005	<0.005	<0.001	0.00011	<0.0005	<0.005	<0.001			
SW11C	24-Oct-16		<0.0002	0.087	<0.00005	<0.005	<0.01	0.00016	<0.005	<0.005	<0.003			
	8-May-17		<0.0002		<0.00005	<0.005	<0.01	0.00011	<0.005	<0.005	<0.003			
	9-May-18		<0.00005	0.0627	<0.00001	<0.0003	<0.0001	0.000137	<0.0005	<0.003	<0.0003			
	16-May-19		<0.0001	0.057	<0.00005	<0.005	<0.001	<0.0001	<0.0005	<0.005	<0.001			
	20-May-20		<0.0001	0.057	<0.00005	0.0054	<0.001	0.00013	<0.0005	<0.005	<0.001			
	26-May-21		<0.00009	0.069	<0.00005	<0.005	<0.001	0.00013	<0.0005	<0.005	<0.001			

**Table C-4 Surface Water Laboratory Chemical Results**

Surface Water Station	Date	BTEX & Hydrocarbons (µg/L)									
		Benzene	Toluene	Ethylbenzene	m&p-Xylene	o-Xylene	Total Xylenes	F1 (C6-C10)	F2 (C10-C16)	F3 (C16-C34)	F4 (C34-C50)
		100 <i>i</i>	0.8 <i>i</i>	8 <i>i</i>	2 <i>i</i>	40 <i>i</i>	nc	nc	nc	nc	nc
SW10 (cont'd)	24-May-22	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	17-May-23	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
SW11	16-Nov-16	<0.5	<0.5	<0.5	<1	<0.5	<1.1	<50	<50	<400	<400
	8-May-17	<0.5	<0.5	<0.5	<1	<0.5	<1.1	<50	<50	<400	<400
	9-May-18	<0.5	<0.5	<0.5	<0.4	<0.3	<0.5	<25	<100	<250	<250
	16-May-19	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	20-May-20	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	26-May-21	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	25-May-22	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	17-May-23	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
SW11A	25-Oct-16 (1)										
	8-May-17	<0.5	<0.5	<0.5	<1	<0.5	<1.1	<50	<50	<400	<400
	9-May-18	<0.5	<0.5	<0.5	<0.4	<0.3	<0.5	<25	<100	<250	<250
	16-May-19	<0.2	<0.2	<0.2	<0.4	<0.02	<0.4	<25	<100	<200	<200
	20-May-20	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	26-May-21	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	25-May-22	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	17-May-23	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
SW11B	24-Oct-16	<0.5	<0.5	<0.5	<1	<0.5	<1.1	<50	<50	<400	<400
	8-May-17	<0.5	<0.5	<0.5	<1	<0.5	<1.1	<50	<50	<400	<400
	9-May-18	<0.5	<0.5	<0.5	<0.4	<0.3	<0.5	<25	<100	<250	<250
	16-May-19	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	20-May-20	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	26-May-21	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	25-May-22	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	17-May-23	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
SW11C	24-Oct-16	<0.5	<0.5	<0.5	<1	<0.5	<1.1	<50	<50	<400	<400
	8-May-17	<0.5	<0.5	<0.5	<1	<0.5	<1.1	<50	<50	<400	<400
	9-May-18	<0.5	<0.5	<0.5	<0.4	<0.3	<0.5	<25	<100	<250	<250
	16-May-19	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	20-May-20	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	26-May-21	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200

**Table C-4 Surface Water Laboratory Chemical Results**

Surface Water Station	Date	General Parameters						Major Ions						Nutrients and Organic Indicators								
		pH (su)	EC (µS/cm)	TSS	TDS	Hardness	Colour (TCU)	Turbidity (NTU)	Alkalinity	Chloride Cl	Sulphate SO <sub>4</sub>	Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Nitrate NO <sub>3</sub>	Nitrite NO <sub>2</sub>	Ammonia NH <sub>3</sub>	Un-ionized Ammonia	TKN	TP P	Phenols
SW11C (cont'd)	25-May-22	7.69	438.4	<10		230	3		240	1.6	3.2	64	19	1	0.7	0.25	<0.01	<0.05	<0.001	<0.1	0.009	
	17-May-23			<10		240	4		220	<1	3.6	60	19	0.93	0.69	0.25	<0.01	<0.05	<0.001	<0.1	<0.004	
SW11D	24-Oct-16	8.35	435	38	233	242	4		226	1.2	7	66.3	18.6	1	0.5	0.4	0.2	0.01	<0.001	1	0.12	
	8-May-17	8.28	317	3	160	161	9		162	0.8	2	43.3	12.9	0.9	0.7	0.4	<0.1	<0.01	<0.001	0.7	0.03	
	9-May-18	8.28	317	2.3	215	198	6.1	0.79	194	0.97	2.55	53.1	15.1	0.885	0.871	0.364	<0.01	0.1	0.001	<0.15	0.0103	
	16-May-19			<10		200	6		190	1.5	<1	55	15	0.86	0.85	0.25	<0.01	<0.05	<0.001	0.13	0.006	
	20-May-20			<10	190	200	6	0.3	200	1.5	1.1	56	16	0.94	0.8	0.47	<0.01	<0.05	<0.001	0.16	0.022	
	26-May-21			<10	201.3	220	8		220	1.7	<1	64	16			0.41	<0.01	<0.05	<0.001	<0.1	0.042	
	25-May-22	8.15	398.5	10		200	6		210	1.1	1.4	61	16	0.75	0.55	0.66	<0.01	<0.05	<0.001	<0.1	0.034	
	17-May-23			<10		240	5		220	<1	3.8	61	17	0.91	0.62	0.34	<0.01	<0.05	<0.001	<0.1	0.009	
SW11E	24-Oct-16	8.41	439	100	239	248	7		230	2.2	7	67.8	19.2	1.6	0.8	0.2	0.2	0.02	<0.001	0.4	0.08	
	9-May-17	8.26	323	5	176	190	8		171	<0.5	3	52.4	14.3	0.8	0.8	0.4	<0.1	<0.01	<0.001	0.2	0.02	
	9-May-18	8.39	336	3.2	214	194	8.1	2.21	196	1.04	2.52	54.2	14.8	0.881	0.885	0.26	<0.01	<0.02	<0.001	<0.15	0.012	
	16-May-19			<10		200	8		190	1.2	<1	57	15	0.95	0.91	0.23	<0.01	<0.05	<0.002	0.24	0.012	
	20-May-20			10	185	200	7	0.6	200	1.4	1.6	59	17	1	1	0.29	<0.01	<0.05	<0.002	0.21	<0.02	
	26-May-21			25	218.3	220	5		230	1.8	6.4	64	18			0.25	<0.01	<0.05	<0.002	<0.1	0.043	
	25-May-22	8.43	412.3	180		220	5		230	1.2	2	75	20	1.1	1.4	0.26	<0.01	0.1	0.005	0.16	0.069	
17-May-23			20		240	6		220	<1	4.1	58	17	0.84	0.67	0.22	<0.01	<0.05	<0.002	<0.1	0.02		
SW14	24-Oct-16	8.22	460	14	231	219	12		220	10.2	8	55.6	19.4	4.4	1	<0.1	<0.1	0.03	<0.001	0.3	0.01	
	9-May-17	8.21	458	11	247	253	7		246	1.2	3	74.5	16.3	1.4	0.9	0.4	<0.1	<0.01	<0.001	0.3	0.03	
	8-May-18	8.38	366	3.9	230	200	8.2	3.06	193	8.54	3.89	56.6	15.4	5.87	1.12	0.51	<0.01	0.027	0.001	<0.15	0.0115	
	14-May-19			<10		210	8		190	9	4	61	16	5.9	1.1	0.41	<0.01	0.05	0.002	0.13	0.016	
	20-May-20			11	205	210	7	1.2	210	6.4	5.2	58	17	3.5	1	0.39	<0.01	<0.05	<0.001	0.2	<0.02	
	27-May-21			<10	188.05	340	2		230	6.6	5	63	20			0.25	<0.01	<0.05	<0.002	0.19	0.01	
	26-May-22	8.22	413.9	<10		220	7		220	5.4	4.4	59	19	3.4	0.94	0.19	<0.01	<0.05	<0.003	0.15	0.019	
16-May-23			<10		230	7		220	9.9	5.8	60	18	7	0.99	0.19	<0.01	<0.05	<0.003	0.14	0.008		
SW15	24-Oct-16	8.27	437	<3	224	220	7		226	3	5	58.2	18.3	1.7	0.8	0.3	0.2	0.04	<0.001	0.2	0.01	
	9-May-17	8.27	365	14.7	206	220	7		183	5.8	3	60.4	16.8	5.2	0.9	0.8	<0.1	<0.01	<0.001	0.2	0.03	
	8-May-18	8.28	491	3.8	290	288	6.6	2.19	262	2.06	2.96	84.6	17.4	1.65	1.43	0.412	<0.01	<0.02	<0.001	<0.15	0.0178	
	14-May-19			15		280	5		260	3	3.9	85	18	1.9	2.1	0.43	<0.01	<0.05	<0.001	0.2	0.036	
	20-May-20			<10	295	270	5	0.7	280	5	5.6	82	18	2.1	1.7	0.64	<0.01	<0.05	<0.001	0.29	<0.02	
27-May-21			<10	304.15	280	20		320	3.5	3.1	92	21			0.16	<0.01	<0.05	<0.001	0.19	0.013		

Table C-4 Surface Water Laboratory Chemical Results

Surface Water Station	Date	Total Metals																
		Aluminum	Antimony	Arsenic	Barium	Beryllium	Boron	Cadmium	Chromium	Cobalt	Copper	Fluoride	Iron	Lead	Manganese	Molybdenum	Nickel	Selenium
		<b>Al</b>	<b>Sb</b>	<b>As</b>	<b>Ba</b>	<b>Be</b>	<b>B</b>	<b>Cd</b>	<b>Cr</b>	<b>Co</b>	<b>Cu</b>	<b>F</b>	<b>Fe</b>	<b>Pb</b>	<b>Mn</b>	<b>Mo</b>	<b>Ni</b>	<b>Se</b>
	PWQO	0.075 <i>i</i>	0.02 <i>i</i>	0.1 <i>i</i>	nc	1.1	0.2	0.0005 <i>i</i>	0.0089	0.0009	0.005 <i>i</i>	nc	0.3	0.005 <i>i</i>	nc	0.04	0.025	0.1
SW11C (cont'd)	25-May-22	0.027	<0.0005	<0.001	0.0095	<0.0004	<0.01	<0.00009	<0.005	<0.0005	<0.0009	<0.1	<0.1	<0.0005	<0.002	<0.0005	<0.001	<0.002
	17-May-23	0.073	<0.0005	<0.001	0.01	<0.0004	<0.01	<0.00009	<0.005	<0.0005	<0.0009	<0.1	0.11	<0.0005	0.0076	<0.0005	<0.001	<0.002
SW11D	24-Oct-16	0.22	<0.0001	0.0005	0.01	<0.002	0.009	0.00004	<0.002	0.0004	0.002	<0.1	0.232	0.0015	0.051	<0.0001	<0.01	<0.001
	8-May-17	0.03	<0.0001	0.0001	0.007	<0.002	0.007	<0.000014	0.003	<0.0001	0.002	<0.1	0.054	<0.00002	0.002	<0.0001	<0.01	<0.001
	9-May-18	0.021	<0.0001	0.00014	0.00866	<0.0001	<0.01	<0.00001	<0.0005	<0.0001	<0.001	0.037	<0.05	<0.0001	0.00072	0.000071	<0.0005	0.000059
	16-May-19	0.016	<0.0005	<0.001	0.0097	<0.0005	<0.01	<0.0001	<0.005	<0.0005	0.0013	<0.1	<0.1	<0.0005	<0.002	<0.0005	0.0022	<0.002
	20-May-20	0.058	<0.0005	<0.001	0.0086	<0.0005	0.01	<0.0001	<0.005	<0.0005	<0.001	<0.1	<0.1	<0.0005	0.0025	<0.0005	<0.001	<0.002
	26-May-21	0.049	<0.0005	<0.001	0.0072	<0.0004	<0.01	<0.00009	<0.005	<0.0005	<0.0009	<0.1	<0.1	<0.0005	<0.002	<0.0005	<0.001	<0.002
	25-May-22	0.11	<0.0005	<0.001	0.0075	<0.0004	<0.01	<0.00009	<0.005	<0.0005	<0.0009	<0.1	0.12	<0.0005	0.0045	<0.0005	<0.001	<0.002
	17-May-23	0.038	<0.0005	<0.001	0.0078	<0.0004	<0.01	<0.00009	<0.005	<0.0005	0.0011	<0.1	<0.1	<0.0005	<0.002	<0.0005	<0.001	<0.002
	SW11E	24-Oct-16	0.2	<0.0001	0.0003	0.013	<0.002	0.007	0.00004	<0.002	0.0004	0.003	<0.1	0.239	0.00086	0.092	<0.0001	<0.01
9-May-17		0.07	<0.0001	<0.0001	0.008	<0.002	<0.005	<0.000014	<0.002	<0.0001	0.002	<0.1	0.066	<0.00002	0.004	<0.0001	<0.01	<0.001
9-May-18		0.068	<0.0001	0.00017	0.00914	<0.0001	<0.01	<0.00001	<0.0005	<0.0001	<0.001	0.035	0.068	<0.0001	0.00418	0.000078	<0.0005	0.000074
16-May-19		0.066	<0.0005	<0.001	0.0094	<0.0005	<0.01	<0.0001	<0.005	<0.0005	<0.001	<0.1	<0.1	<0.0005	0.0034	<0.0005	<0.001	<0.002
20-May-20		0.31	<0.0005	<0.001	0.011	<0.0005	0.012	<0.0001	<0.005	<0.0005	<0.001	<0.1	0.34	<0.0005	0.019	<0.0005	<0.001	<0.002
26-May-21		0.32	<0.0005	<0.001	0.011	<0.0004	<0.01	<0.00009	<0.005	<0.0005	<0.0009	<0.1	0.33	<0.0005	0.017	<0.0005	<0.001	<0.002
25-May-22		2.5	<0.0005	<0.001	0.02	<0.0004	<0.01	<0.00009	<0.005	0.0017	0.0057	<0.1	3	0.002	0.15	<0.0005	0.0037	<0.002
17-May-23		0.16	<0.0005	<0.001	0.0088	<0.0004	<0.01	<0.00009	<0.005	<0.0005	<0.0009	<0.1	0.22	<0.0005	0.014	<0.0005	<0.001	<0.002
SW14	24-Oct-16	0.04	<0.0001	0.0005	0.012	<0.002	0.042	<0.00002	<0.002	0.0001	<0.002	<0.1	0.212	0.00004	0.112	<0.0001	<0.01	<0.001
	9-May-17	0.22	<0.0001	<0.0001	0.016	<0.002	0.011	<0.000014	<0.002	<0.0001	<0.002	<0.1	0.251	0.00015	0.032	0.0003	<0.01	<0.001
	8-May-18	0.124	<0.0001	0.00025	0.0105	<0.0001	0.017	<0.00001	<0.0005	<0.0001	<0.001	0.038	0.142	<0.0001	0.0231	0.000124	<0.0005	0.000066
	14-May-19	0.21	<0.0005	<0.001	0.011	<0.0005	0.017	<0.0001	<0.005	<0.0005	<0.001	<0.1	0.21	<0.0005	0.02	<0.0005	<0.001	<0.002
	20-May-20	0.1	<0.0005	<0.001	0.01	<0.0005	0.024	<0.0001	<0.005	<0.0005	<0.001	<0.1	0.14	<0.0005	0.029	<0.0005	<0.001	<0.002
	27-May-21	0.057	<0.0005	<0.001	0.012	<0.0004	0.025	<0.00009	<0.005	<0.0005	<0.0009	<0.1	0.15	<0.0005	0.046	<0.0005	<0.001	<0.002
	26-May-22	0.1	<0.0005	<0.001	0.01	<0.0004	0.026	<0.00009	<0.005	<0.0005	<0.0009	<0.1	0.19	<0.0005	0.041	<0.0005	<0.001	<0.002
	16-May-23	0.055	<0.0005	<0.001	0.01	<0.0004	0.02	<0.00009	<0.005	<0.0005	<0.0009	<0.1	<0.1	<0.0005	0.019	<0.0005	<0.001	<0.002
SW15	24-Oct-16	0.03	<0.0001	0.0003	0.016	<0.002	0.016	<0.00002	<0.002	0.0001	<0.002	0.1	0.028	<0.00002	0.066	0.0001	<0.01	<0.001
	9-May-17	0.09	<0.0001	<0.0001	0.009	<0.002	0.008	<0.000014	<0.002	<0.0001	<0.002	<0.1	0.104	0.00005	0.013	0.0001	<0.01	<0.001
	8-May-18	0.082	<0.0001	0.00025	0.0216	<0.0001	0.02	<0.00001	<0.0005	<0.0001	<0.001	0.043	0.096	<0.0001	0.0488	0.000121	<0.0005	0.000059
	14-May-19	0.4	<0.0005	<0.001	0.022	<0.0005	0.017	<0.0001	<0.005	<0.0005	0.0011	<0.1	0.48	<0.0005	0.046	<0.0005	<0.001	<0.002
	20-May-20	0.095	<0.0005	<0.001	0.023	<0.0005	0.027	<0.0001	<0.005	<0.0005	<0.001	<0.1	<0.1	<0.0005	0.011	<0.0005	<0.001	<0.002
	27-May-21	0.019	<0.0005	<0.001	0.026	<0.0004	0.019	<0.00009	<0.005	<0.0005	<0.0009	<0.1	<0.1	<0.0005	0.47	<0.0005	<0.001	<0.002



Table C-4 Surface Water Laboratory Chemical Results

Surface Water Station	Date	Total Metals									Oil & Grease			
		Silicon	Silver	Strontium	Thallium	Titanium	Tungsten	Uranium	Vanadium	Zinc	Zirconium	Animal / Vegetable	Mineral	Total
		SI	Ag	Sr	TI	TI	W	U	V	Zn	Zr			
	PWQO	nc	0.0001	nc	0.0003	nc	0.03 <i>i</i>	0.005 <i>i</i>	0.006 <i>i</i>	0.03	0.004 <i>i</i>	<i>f</i>	<i>f</i>	<i>f</i>
SW11C (cont'd)	25-May-22		<0.00009	0.069	<0.00005	<0.005	<0.001	0.00014	<0.0005	<0.005	<0.001			
	17-May-23		<0.00009	0.061	<0.00005	<0.005	<0.001	0.00012	<0.0005	<0.005	<0.001			
SW11D	24-Oct-16		<0.00002	0.086	<0.00005	<0.005	0.01	0.00012	<0.005	<0.005	<0.003			
	8-May-17		<0.00002		<0.00005	<0.005	<0.01	0.00011	<0.005	<0.005	<0.003			
	9-May-18		<0.00005	0.0626	<0.00001	0.00061	<0.0001	0.000127	<0.0005	<0.003	<0.0003			
	16-May-19		<0.0001	0.054	<0.00005	<0.005	<0.001	0.0001	<0.0005	<0.005	<0.001			
	20-May-20		<0.0001	0.057	<0.00005	<0.005	<0.001	0.00012	<0.0005	<0.005	<0.001			
	26-May-21		<0.00009	0.073	<0.00005	<0.005	<0.001	0.00011	<0.0005	<0.005	<0.001			
	25-May-22		<0.00009	0.068	<0.00005	<0.005	<0.001	<0.0001	<0.0005	<0.005	<0.001			
	17-May-23		<0.00009	0.066	<0.00005	<0.005	<0.001	0.0001	0.00087	<0.005	<0.001			
	SW11E	24-Oct-16		<0.00002	0.089	<0.00005	<0.005	0.01	0.00017	<0.005	<0.005	<0.003		
9-May-17			<0.00002	0.057	<0.00005	<0.005	<0.01	0.00013	<0.005	<0.005	0.005			
9-May-18			<0.00005	0.063	<0.00001	0.00131	<0.0001	0.000138	<0.0005	<0.003	<0.0003			
16-May-19			<0.0001	0.06	<0.00005	<0.005	<0.001	0.00011	<0.0005	<0.005	<0.001			
20-May-20			<0.0001	0.062	<0.00005	0.0072	<0.001	0.00015	0.00074	<0.005	<0.001			
26-May-21			<0.00009	0.071	<0.00005	0.0072	<0.001	0.00018	0.00071	<0.005	<0.001			
25-May-22			<0.00009	0.081	<0.00005	0.035	<0.001	0.00033	0.0037	0.011	0.0016			
17-May-23			<0.00009	0.058	<0.00005	<0.005	<0.001	0.00013	<0.0005	<0.005	<0.001			
SW14	24-Oct-16		<0.00002	0.178	<0.00005	<0.005	0.01	0.0003	<0.005	<0.005	<0.003			
	9-May-17		<0.00002	0.146	<0.00005	0.005	<0.01	0.00045	<0.005	<0.005	0.007			
	8-May-18		<0.00005	0.0951	<0.00001	0.00289	<0.0001	0.000262	<0.0005	<0.003	<0.0003			
	14-May-19		<0.0001	0.081	<0.00005	0.01	<0.001	0.00022	0.00076	<0.005	<0.001			
	20-May-20		<0.0001	0.091	<0.00005	<0.005	<0.001	0.00025	<0.0005	<0.005	<0.001			
	27-May-21		<0.00009	0.12	<0.00005	<0.005	<0.001	0.00027	0.00059	<0.005	<0.001			
	26-May-22		<0.00009	0.11	<0.00005	<0.005	<0.001	0.00028	0.00068	0.0092	<0.001			
	16-May-23		<0.00009	0.093	<0.00005	<0.005	<0.001	0.00027	<0.0005	0.0056	<0.001			
SW15	24-Oct-16		<0.00002	0.145	<0.00005	<0.005	0.01	0.00032	<0.005	<0.005	<0.003			
	9-May-17		<0.00002	0.084	<0.00005	<0.005	<0.01	0.00025	<0.005	<0.005	0.005			
	8-May-18		<0.00005	0.186	<0.00001	0.00268	<0.0001	0.000422	<0.0005	<0.003	<0.0003			
	14-May-19		<0.0001	0.16	<0.00005	0.015	<0.001	0.00045	0.00013	<0.0005	<0.0001			
	20-May-20		<0.0001	0.17	<0.00005	<0.005	<0.001	0.0005	0.00063	<0.005	0.0038			
	27-May-21		<0.00009	0.2	<0.00005	<0.005	<0.001	0.00052	<0.0005	<0.005	<0.001			

**Table C-4 Surface Water Laboratory Chemical Results**

Surface Water Station	Date	BTEX & Hydrocarbons (µg/L)									
		Benzene	Toluene	Ethylbenzene	m&p-Xylene	o-Xylene	Total Xylenes	F1 (C6-C10)	F2 (C10-C16)	F3 (C16-C34)	F4 (C34-C50)
		100 <i>i</i>	0.8 <i>i</i>	8 <i>i</i>	2 <i>i</i>	40 <i>i</i>	nc	nc	nc	nc	nc
SW11C (cont'd)	25-May-22	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	17-May-23	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
SW11D	24-Oct-16	<0.5	<0.5	<0.5	<1	<0.5	<1.1	<50	<50	<400	<400
	8-May-17	<0.5	<0.5	<0.5	<1	<0.5	<1.1	<50	<50	<400	<400
	9-May-18	<0.5	<0.5	<0.5	<0.4	<0.3	<0.5	<25	<100	<250	<250
	16-May-19	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	20-May-20	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	26-May-21	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	25-May-22	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	17-May-23	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
SW11E	24-Oct-16	<0.5	<0.5	<0.5	<1	<0.5	<1.1	<50	<50	<400	<400
	9-May-17	<0.5	<0.5	<0.5	<1	<0.5	<1.1	<50	<50	<400	<400
	9-May-18	<0.5	<0.5	<0.5	<0.4	<0.3	<0.5	<25	<100	<250	<250
	16-May-19	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	20-May-20	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	26-May-21	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	25-May-22	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	17-May-23	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
SW14	24-Oct-16	<0.5	<0.5	<0.5	<1	<0.5	<1.1	<50	<50	<400	<400
	9-May-17	<0.5	<0.5	<0.5	<1	<0.5	<1.1	<50	<50	<400	<400
	8-May-18	<0.5	<0.5	<0.5	<0.4	<0.3	<0.5	<25	<100	<250	<250
	14-May-19	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	20-May-20	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	27-May-21	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	26-May-22	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	16-May-23	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
SW15	24-Oct-16	<0.5	<0.5	<0.5	<1	<0.5	<1.1	<50	<50	<400	<400
	9-May-17	<0.5	<0.5	<0.5	<1	<0.5	<1.1	<50	<50	<400	<400
	8-May-18	<0.5	<0.5	<0.5	<0.4	<0.3	<0.5	<25	<100	<250	<250
	14-May-19	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	20-May-20	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	27-May-21	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200



Table C-4 Surface Water Laboratory Chemical Results

Surface Water Station	Date	Total Metals																
		Aluminum	Antimony	Arsenic	Barium	Beryllium	Boron	Cadmium	Chromium	Cobalt	Copper	Fluoride	Iron	Lead	Manganese	Molybdenum	Nickel	Selenium
		Al	Sb	As	Ba	Be	B	Cd	Cr	Co	Cu	F	Fe	Pb	Mn	Mo	Ni	Se
	PWQO	0.075 <i>i</i>	0.02 <i>i</i>	0.1 <i>i</i>	nc	1.1	0.2	0.0005 <i>i</i>	0.0089	0.0009	0.005 <i>i</i>	nc	0.3	0.005 <i>i</i>	nc	0.04	0.025	0.1
SW15 (cont'd)	25-May-22 (1)																	
	16-May-23	0.036	<0.0005	<0.001	0.029	<0.0004	0.022	<0.00009	<0.005	<0.0005	0.0011	<0.1	<0.1	<0.0005	0.016	<0.0005	<0.001	<0.002
SW16	25-Oct-16	0.06	<0.0001	0.0033	0.026	<0.002	0.043	<0.00002	<0.002	0.0005	<0.002	0.2	7.37	0.00015	1.45	<0.0001	<0.01	<0.001
	9-May-17	0.08	<0.0001	<0.0001	0.007	<0.002	0.012	<0.000014	<0.002	<0.0001	<0.002	<0.1	0.142	0.00004	0.021	0.0001	<0.01	<0.001
	8-May-18	0.053	<0.0001	0.00028	0.00778	<0.0001	0.022	<0.00001	<0.0005	<0.0001	<0.001	0.047	0.078	<0.0001	0.0227	0.000095	<0.0005	0.000052
	14-May-19	0.15	<0.0005	<0.001	0.0069	<0.0005	0.018	<0.0001	<0.005	<0.0005	<0.001	<0.1	0.16	0.0057	0.024	0.0057	<0.001	<0.002
	20-May-20	0.052	<0.0005	<0.001	0.0078	<0.0005	0.03	<0.0001	<0.005	<0.0005	<0.001	<0.1	0.16	<0.0005	0.056	<0.0005	<0.001	<0.002
	26-May-21	0.42	<0.0005	<0.001	0.014	<0.0004	0.036	<0.00009	<0.005	<0.0005	0.0013	<0.1	1.3	<0.0005	0.39	<0.0005	<0.001	<0.002
	25-May-22	0.11	<0.0005	<0.001	0.0095	<0.0004	0.028	<0.00009	<0.005	<0.0005	<0.0009	<0.1	0.48	<0.0005	0.2	<0.0005	<0.001	<0.002
	16-May-23	2.8	<0.0005	0.0012	0.023	<0.0004	0.027	<0.00009	<0.005	0.0015	0.0058	<0.1	3.5	0.0016	0.21	<0.0005	0.0034	<0.002
SW17	25-Oct-16	0.05	<0.0001	0.0005	0.01	<0.002	0.057	<0.00002	0.01	0.0002	<0.002	0.2	0.29	0.00015	0.077	0.0013	<0.01	<0.001
	9-May-17	0.04	<0.0001	<0.0001	0.008	<0.002	0.01	<0.000014	0.005	<0.0001	<0.002	<0.1	0.046	<0.00002	0.006	0.0001	<0.01	<0.001
	8-May-18	0.036	<0.0001	0.00021	0.00992	<0.0001	0.024	<0.00001	<0.0005	<0.0001	<0.001	0.046	<0.05	<0.0001	0.00871	0.000146	<0.0005	0.000054
	14-May-19	0.041	<0.0005	<0.001	0.009	<0.0005	0.024	<0.0001	<0.005	<0.0005	<0.001	<0.1	<0.1	<0.0005	0.015	<0.0005	<0.001	<0.002
	20-May-20	0.092	<0.0005	<0.001	0.012	<0.0005	0.031	<0.0001	<0.005	<0.0005	<0.001	<0.1	0.25	<0.0005	0.043	<0.0005	<0.001	<0.002
	26-May-21	0.15	<0.0005	<0.001	0.012	<0.0004	0.033	<0.00009	<0.005	<0.0005	0.00091	<0.1	0.2	<0.0005	0.037	<0.0005	<0.001	<0.002
	25-May-22	0.23	<0.0005	<0.001	0.011	<0.0004	0.029	<0.00009	<0.005	<0.0005	0.0014	<0.1	0.32	<0.0005	0.049	<0.0005	<0.001	<0.002
	16-May-23	0.085	<0.0005	<0.001	0.01	<0.0004	0.027	<0.00009	<0.005	<0.0005	<0.0009	<0.1	0.1	<0.0005	0.016	<0.0005	<0.001	<0.002
SW17A	25-Oct-16	0.05	<0.0001	0.0002	0.01	<0.002	0.01	<0.00002	<0.002	0.0002	<0.002	<0.1	0.152	0.00011	0.055	0.0001	<0.01	<0.001
	9-May-17	0.06	<0.0001	<0.0001	0.009	<0.002	<0.005	<0.000014	<0.002	<0.0001	<0.002	<0.1	0.085	0.00023	0.01	0.0005	<0.01	<0.001
	8-May-18	0.052	<0.0001	0.00016	0.01	<0.0001	0.011	<0.00001	<0.0005	<0.0001	<0.001	0.039	0.074	0.00011	0.00973	0.000087	<0.0005	<0.00005
	14-May-19	0.033	<0.0005	<0.001	0.00092	<0.0005	<0.01	<0.0001	<0.005	<0.0005	<0.001	<0.1	<0.1	<0.0005	<0.0054	<0.0005	<0.001	<0.002
	20-May-20	0.076	<0.0005	<0.001	0.011	<0.0005	0.013	<0.0001	<0.005	<0.0005	<0.001	<0.1	<0.1	<0.0005	0.012	<0.0005	<0.001	<0.002
	26-May-21	0.08	<0.0005	<0.001	0.011	<0.0004	<0.01	<0.00009	<0.005	<0.0005	<0.0009	<0.1	0.13	<0.0005	0.015	<0.0005	<0.001	<0.002
	26-May-22	0.21	<0.0005	<0.001	0.015	<0.0004	0.049	<0.00009	<0.005	<0.0005	0.0018	<0.1	0.31	<0.0005	0.027	<0.0005	<0.001	<0.002
	16-May-23	0.053	<0.0005	<0.001	0.011	<0.0004	<0.01	<0.00009	<0.005	<0.0005	<0.0009	<0.1	<0.1	<0.0005	0.0098	<0.0005	<0.001	<0.002
SW18	24-Oct-16	0.03	<0.0001	0.0002	0.012	<0.002	0.026	<0.00002	<0.002	0.0001	<0.002	0.1	0.014	<0.00002	0.004	<0.0001	<0.01	<0.001
	9-May-17	0.07	<0.0001	<0.0001	0.011	<0.002	0.005	<0.000014	<0.002	<0.0001	<0.002	<0.1	0.086	0.00006	0.018	<0.0001	<0.01	<0.001
	8-May-18	0.135	<0.0001	0.0002	0.0119	<0.0001	0.014	<0.00001	<0.0005	<0.0001	<0.001	0.042	0.203	0.00017	0.038	0.000093	0.00053	0.000053
	14-May-19	0.063	<0.0005	<0.001	0.01	<0.0005	0.014	<0.0001	<0.005	<0.0005	<0.001	<0.1	<0.1	<0.0005	0.016	<0.0005	<0.001	<0.002
	20-May-20	0.057	<0.0005	<0.001	0.013	<0.0005	0.025	<0.0001	<0.005	<0.0005	<0.001	<0.1	<0.1	<0.0005	0.023	<0.0005	<0.001	<0.002
	27-May-21	0.046	<0.0005	<0.001	0.012	<0.0004	0.017	<0.00009	<0.005	<0.0005	<0.0009	<0.1	0.11	<0.0005	0.036	<0.0005	<0.001	<0.002

**Table C-4 Surface Water Laboratory Chemical Results**

Surface Water Station	Date	Total Metals									Oil & Grease			
		Silicon	Silver	Strontium	Thallium	Titanium	Tungsten	Uranium	Vanadium	Zinc	Zirconium	Animal / Vegetable	Mineral	Total
		SI	Ag	Sr	TI	TI	W	U	V	Zn	Zr			
	PWQO	nc	0.0001	nc	0.0003	nc	0.03 <i>i</i>	0.005 <i>i</i>	0.006 <i>i</i>	0.03	0.004 <i>i</i>	<i>f</i>	<i>f</i>	<i>f</i>
SW15 (cont'd)	25-May-22 (1)													
	16-May-23		<0.00009	0.2	<0.00005	<0.005	<0.001	0.00058	0.0006	0.036	<0.001			
SW16	25-Oct-16		<0.00002	0.221	<0.00005	<0.005	<0.01	0.00026	<0.005	0.011	<0.003			
	9-May-17		<0.00002	0.103	<0.00005	<0.005	<0.01	0.00035	<0.005	<0.005	0.006			
	8-May-18		<0.00005	0.113	<0.00001	0.00136	<0.0001	0.000266	<0.0005	<0.003	<0.0003			
	14-May-19		<0.0001	0.1	<0.00005	<0.005	<0.001	0.00025	0.00061	<0.005	<0.001			
	20-May-20		<0.0001	0.11	<0.00005	<0.005	<0.001	0.00029	<0.0005	<0.005	<0.001			
	26-May-21		<0.00009	0.17	<0.00005	0.011	<0.001	0.0003	0.00088	<0.005	<0.001			
	25-May-22		<0.00009	0.16	<0.00005	<0.005	<0.001	0.00028	<0.0005	<0.005	<0.001			
	16-May-23		<0.00009	0.14	<0.00005	0.046	<0.001	0.0004	0.0045	0.009	<0.001			
SW17	25-Oct-16		<0.00002	0.508	<0.00005	<0.005	0.01	0.00018	<0.005	<0.005	<0.003			
	9-May-17		<0.00002	0.276	<0.00005	<0.005	<0.01	0.00023	<0.005	0.007	0.007			
	8-May-18		<0.00005	0.378	<0.00001	0.00072	<0.0001	0.000217	<0.0005	<0.003	<0.0003			
	14-May-19		<0.0001	0.38	<0.00005	<0.005	<0.001	0.00021	<0.0005	<0.005	<0.001			
	20-May-20		<0.0001	0.24	<0.00005	0.0053	<0.001	0.00032	<0.0005	<0.005	<0.001			
	26-May-21		<0.00009	0.46	<0.00005	0.005	<0.001	0.00023	0.00051	<0.005	<0.001			
	25-May-22		<0.00009	0.41	<0.00005	0.0058	<0.001	0.00019	0.00073	<0.005	<0.001			
	16-May-23		<0.00009	0.39	<0.00005	<0.005	<0.001	0.0002	0.00052	<0.005	<0.001			
SW17A	25-Oct-16		<0.00002	0.118	<0.00005	<0.005	<0.01	0.00015	<0.005	<0.005	<0.003			
	9-May-17		<0.00002	0.071	<0.00005	<0.005	0.02	0.00014	<0.005	<0.005	0.007			
	8-May-18		<0.00005	0.137	<0.00001	0.00187	<0.0001	0.000152	<0.0005	<0.003	<0.0003			
	14-May-19		<0.0001	0.082	<0.00005	<0.0005	<0.001	0.00014	<0.0005	<0.005	<0.001			
	20-May-20		<0.0001	0.086	<0.00005	0.00056	<0.001	0.00016	0.00051	<0.005	<0.001			
	26-May-21		<0.00009	0.095	<0.00005	<0.005	<0.001	0.00016	<0.0005	<0.005	<0.001			
	26-May-22		<0.00009	0.65	<0.00005	0.0061	<0.001	0.00023	0.00062	<0.005	<0.001			
	16-May-23		<0.00009	0.09	<0.00005	<0.005	<0.001	0.00016	<0.0005	<0.005	<0.001			
SW18	24-Oct-16		<0.00002	0.244	<0.00005	<0.005	0.02	0.00026	<0.005	<0.005	<0.003			
	9-May-17		<0.00002	0.134	<0.00005	<0.005	<0.01	0.00023	<0.005	0.007	0.006			
	8-May-18		<0.00005	0.142	<0.00001	0.00343	<0.0001	0.000191	<0.0005	<0.003	<0.0003			
	14-May-19		<0.0001	0.14	<0.00005	<0.005	<0.001	0.00022	<0.0005	<0.005	<0.001			
	20-May-20		<0.0001	0.16	<0.00005	<0.005	<0.001	0.00024	<0.0005	<0.005	<0.001			
	27-May-21		<0.00009	0.18	<0.00005	<0.005	<0.001	0.00016	<0.0005	<0.005	<0.001			

**Table C-4 Surface Water Laboratory Chemical Results**

Surface Water Station	Date	BTEX & Hydrocarbons (µg/L)									
		Benzene	Toluene	Ethylbenzene	m&p-Xylene	o-Xylene	Total Xylenes	F1 (C6-C10)	F2 (C10-C16)	F3 (C16-C34)	F4 (C34-C50)
		100 <i>i</i>	0.8 <i>i</i>	8 <i>i</i>	2 <i>i</i>	40 <i>i</i>	nc	nc	nc	nc	nc
SW15 (cont'd)	25-May-22 (1)										
	16-May-23	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
SW16	25-Oct-16	<0.5	<0.5	<0.5	<1	<0.5	<1.1	<50	<50	<400	<400
	9-May-17	<0.5	<0.5	<0.5	<1	<0.5	<1.1	<50	<50	<400	<400
	8-May-18	<0.5	<0.5	<0.5	<0.4	<0.3	<0.5	<25	<100	<250	<250
	14-May-19	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	20-May-20	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	26-May-21	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	25-May-22	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	16-May-23	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
SW17	25-Oct-16	<0.5	<0.5	<0.5	<1	<0.5	<1.1	<50	<50	<400	<400
	9-May-17	<0.5	<0.5	<0.5	<1	<0.5	<1.1	<50	<50	<400	<400
	8-May-18	<0.5	<0.5	<0.5	<0.4	<0.3	<0.5	<25	<100	<250	<250
	14-May-19	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	20-May-20	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	26-May-21	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	25-May-22	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	16-May-23	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
SW17A	25-Oct-16	<0.5	<0.5	<0.5	<1	<0.5	<1.1	<50	<50	<400	<400
	9-May-17	<0.5	<0.5	<0.5	<1	<0.5	<1.1	<50	<50	<400	<400
	8-May-18	<0.5	<0.5	<0.5	<0.4	<0.3	<0.5	<25	<100	<250	<250
	14-May-19	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	20-May-20	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	26-May-21	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	26-May-22	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	16-May-23	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
SW18	24-Oct-16	<0.5	<0.5	<0.5	<1	<0.5	<1.1	<50	<50	<400	<400
	9-May-17	<0.5	<0.5	<0.5	<1	<0.5	<1.1	<50	<50	<400	<400
	8-May-18	<0.5	<0.5	<0.5	<0.4	<0.3	<0.5	<25	<100	<250	<250
	14-May-19	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	20-May-20	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	27-May-21	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200

Table C-4 Surface Water Laboratory Chemical Results

Surface Water Station	Date	General Parameters						Major Ions							Nutrients and Organic Indicators							
		pH (su)	EC (µS/cm)	TSS	TDS	Hardness	Colour (TCU)	Turbidity (NTU)	Alkalinity	Chloride	Sulphate	Calcium	Magnesium	Sodium	Potassium	Nitrate	Nitrite	Ammonia	Un-ionized Ammonia	TKN	TP	Phenols
		6.5 - 8.5	nc	nc	nc	nc	nc	b	c	nc	nc	nc	nc	nc	nc	nc	nc	nc	0.02 d	nc	0.03 i e	0.001
SW18 (cont'd)	26-May-22	8.15	445.8	<10		230	5	230	2.8	4.7	68	19	2	0.69	0.25	<0.01	<0.05	<0.002	<0.1	0.007		
	16-May-23			<10		270	4	230	2	5	72	19	1.9	0.71	0.25	<0.01	<0.05		0.12	0.007		
SW21C	24-Oct-16	8.42	445	12	233	236	3	225	2.2	6	57.9	22.3	0.9	0.3	1.8	0.2	0.01	<0.001	0.2	<0.01		
	8-May-17	8.37	379	12	198	202	5	189	1.5	4	55.9	15.2	0.9	0.3	1.6	<0.1	<0.01	<0.001	2	0.02		
	9-May-18	8.39	376	6.9	234	221	9.7	2.01	211	2.31	3.85	61.3	17.3	0.89	0.376	1.86	<0.01	<0.02	<0.001	<0.15	0.0134	
	16-May-19			<10		230	2	210	2	4.1	61	17	0.91	0.36	1.26	<0.01	<0.05	<0.002	0.13	0.007		
	20-May-20			<10	220	220	2	0.3	220	1.6	4.7	60	19	0.85	0.39	1.09	<0.01	<0.05	<0.001	0.16	<0.02	
	26-May-21			10	221.1	230	4	230	2.2	4.1	68	20			0.61	<0.01	<0.05	<0.001	<0.1	0.08		
	25-May-22	8.3	423.5	<10		220	<2		230	1.3	3.9	62	21	0.78	0.33	0.46	<0.01	<0.05	<0.002	0.14	0.15	
	17-May-23			<10		260	<2		230	<1	3	64	20	0.76	0.33	0.33	<0.01	<0.05	<0.002	<0.1	0.006	
SW24A	25-Oct-16	8.35	533	46	294	290	13	234	17.5	19	79.8	22	11.6	1.5	0.3	<0.1	<0.01	<0.001	0.3	0.03		
	9-May-17	8.3	388	5	208	223	5	194	1.5	4	61.9	16.7	0.8	0.3	1.4	<0.1	<0.01	<0.001	0.2	0.01		
	8-May-18	8.34	398	35.8	232	223	15.4	13.2	233	5.18	6.33	67.3	15.4	3.89	0.71	0.264	<0.01	<0.02	<0.001	<0.15	0.0085	
	16-May-19			<10		230	3	220	6.7	7.7	70	15	4	0.68	0.25	<0.01	<0.05	<0.002	<0.1	0.008		
	20-May-20			<10	220	230	4	0.5	230	10	10	70	16	5.9	0.79	0.3	<0.01	0.061	0.002	0.15	0.02	
	26-May-21			14		260	6	260	11	11	79	18			0.24	<0.01	<0.05		<0.1	0.025		
	25-May-22	8.18	476.4	<10		230	3	240	3.2	4.9	69	20	1.4	0.78	0.53	<0.01	<0.05	<0.001	0.21	0.01		
	16-May-23			<10		290	3	250	11	9.9	73	19	7.3	0.85	0.32	<0.01	<0.05	<0.001	<0.1	0.007		
SW77	25-Oct-16	8.32	460	184	285	345	<2	233	2.2	7	108	18.1	1.3	0.6	1.5	<0.1	0.01	<0.001	5.4	0.81		
	9-May-17	8.16	398	38	207	209	3	195	2.8	3	62.2	12.9	1	<0.1	1.9	<0.1	<0.01	<0.001	0.2	0.02		
	8-May-18	8.23	400	<2	248	226	<2	0.26	230	3.85	2.99	72.5	13.3	1.26	0.207	2.34	<0.01	0.024	<0.001	<0.15	0.0045	
	14-May-19			<10		240	<2		220	3.6	3.6	69	13	1.1	<0.2	1.44	<0.01	<0.05	<0.001	<0.1	<0.02	
	19-May-20			<10	315	230	<2	<0.1	230	1.7	3.7	70	14	1.2	0.29	0.95	<0.01	<0.05	<0.001	<0.1	<0.02	
	27-May-21			180	235.95	260	<2		240	1.7	4.2	78	14		0.7	<0.01	<0.05	<0.001	0.11	0.053		
	25-May-22	8.12	444.3	<10		240	<2		250	1.2	3.6	78	15	1.2	0.28	0.52	<0.01	<0.05	<0.001	<0.1	0.013	
	16-May-23			<10		250	<2		240	<1	3.5	75	14	1.3	0.26	0.46	<0.01	<0.05	<0.001	<0.1	<0.004	
PR Control	25-Oct-16	8.4	456	<3	245	261	10	225	4.1	11	65.5	23.6	3	1.3	0.3	<0.1	<0.01	<0.001	1	0.01		
	8-May-17	8.46	408	10	216	226	8	208	1.7	5	61.5	17.5	1.7	0.7	0.5	<0.1	<0.01	<0.001	2	0.02		
	8-May-18	8.43	398	5.7	245	233	9.7	3.58	250	2.47	6.98	64.5	18.6		0.869	0.447	<0.01	0.101	0.004	<0.15	0.0071	
	14-May-19			<10		250	8	210	2.9	7.6	60	17	1.5	0.77	<0.01	0.36	<0.05	<0.002	0.11	0.009		
	19-May-20	8.31	430	18	285	220	4	0.9	220	3	7.6	62	17	1.8	0.99	0.39	<0.01	<0.05		0.12	<0.02	
	27-May-21			<10	232.1	240	<2		230	3.9	8.5	64	21			0.41	<0.01	<0.05	<0.002	0.18	0.008	

Table C-4 Surface Water Laboratory Chemical Results

Surface Water Station	Date	Total Metals																
		Aluminum	Antimony	Arsenic	Barium	Beryllium	Boron	Cadmium	Chromium	Cobalt	Copper	Fluoride	Iron	Lead	Manganese	Molybdenum	Nickel	Selenium
		<b>Al</b>	<b>Sb</b>	<b>As</b>	<b>Ba</b>	<b>Be</b>	<b>B</b>	<b>Cd</b>	<b>Cr</b>	<b>Co</b>	<b>Cu</b>	<b>F</b>	<b>Fe</b>	<b>Pb</b>	<b>Mn</b>	<b>Mo</b>	<b>Ni</b>	<b>Se</b>
PWQO	0.075 <i>i</i>	0.02 <i>i</i>	0.1 <i>i</i>	nc	1.1	0.2	0.0005 <i>i</i>	0.0089	0.0009	0.005 <i>i</i>	nc	0.3	0.005 <i>i</i>	nc	0.04	0.025	0.1	
SW18 (cont'd)	26-May-22	0.057	<0.0005	<0.001	0.013	<0.0004	0.021	<0.00009	<0.005	<0.0005	<0.0009	<0.1	0.13	<0.0005	0.031	<0.0005	<0.001	<0.002
	16-May-23	0.092	<0.0005	<0.001	0.012	<0.0004	0.016	<0.00009	<0.005	<0.0005	<0.0009	<0.1	0.12	<0.0005	0.022	<0.0005	<0.001	<0.002
SW21C	24-Oct-16	0.03	<0.0001	0.0001	0.005	<0.002	<0.005	<0.00002	<0.002	<0.0001	<0.002	<0.1	0.021	0.00006	0.002	<0.0001	<0.01	<0.001
	8-May-17	0.07	<0.0001	0.0002	0.005	<0.002	0.005	<0.000014	<0.002	<0.0001	<0.002	<0.1	0.096	0.00015	0.004	<0.0001	<0.01	<0.001
	9-May-18	0.082	<0.0001	0.00018	0.00557	<0.0001	<0.01	<0.00001	<0.0005	<0.0001	<0.001	0.034	0.076	0.00013	0.00279	<0.00005	<0.0005	<0.00005
	16-May-19	0.032	<0.0005	<0.001	0.0052	<0.0005	<0.01	<0.0001	<0.005	<0.0005	<0.001	<0.1	<0.1	<0.0005	<0.002	<0.0005	<0.001	<0.002
	20-May-20	0.072	<0.0005	<0.001	0.0052	<0.0005	0.01	<0.0001	<0.005	<0.0005	<0.001	<0.1	<0.1	<0.0005	0.0039	<0.0005	<0.001	<0.002
	26-May-21	0.68	<0.0005	<0.001	0.0093	<0.0004	<0.01	<0.00009	<0.005	<0.0005	0.0013	<0.1	0.77	0.0012	0.037	<0.0005	<0.001	<0.002
	25-May-22	0.1	<0.0005	<0.001	0.0057	<0.0004	<0.01	<0.00009	<0.005	<0.0005	<0.0009	<0.1	0.12	<0.0005	0.0066	<0.0005	<0.001	<0.002
	17-May-23	0.053	<0.0005	<0.001	0.0056	<0.0004	<0.01	<0.00009	<0.005	<0.0005	<0.0009	<0.1	<0.1	0.0018	0.003	<0.0005	<0.001	<0.002
SW24A	25-Oct-16	0.07	<0.0001	0.0002	0.015	<0.002	0.079	<0.00002	<0.002	0.0003	<0.002	0.2	0.123	0.00022	0.052	0.0001	<0.01	<0.001
	9-May-17	0.08	<0.0001	<0.0001	0.006	<0.002	<0.005	<0.000014	<0.002	<0.0001	<0.002	<0.1	0.089	0.00012	0.012	<0.0001	<0.01	<0.001
	8-May-18	0.173	<0.0001	0.00022	0.0123	<0.0001	0.025	<0.00001	<0.0005	0.00012	0.0014	0.05	0.226	0.0002	0.0155	0.000143	<0.0005	0.000059
	16-May-19	0.067	<0.0005	<0.001	0.012	<0.0005	0.024	<0.0001	<0.005	<0.0005	<0.001	<0.1	<0.1	<0.0005	0.0052	<0.0005	<0.001	<0.002
	20-May-20	0.1	<0.0005	<0.001	0.014	<0.0005	0.049	<0.0001	<0.005	<0.0005	0.0021	<0.1	0.14	<0.0005	0.0091	<0.0005	<0.001	<0.002
	26-May-21	0.21	<0.0005	<0.001	0.016	<0.0004	0.046	<0.00009	<0.005	<0.0005	0.0017	<0.1	0.29	<0.0005	0.028	<0.0005	<0.001	<0.002
	25-May-22	0.054	<0.0005	<0.001	0.011	<0.0004	<0.01	<0.00009	<0.005	<0.0005	<0.0009	<0.1	<0.1	<0.0005	0.011	<0.0005	<0.001	<0.002
16-May-23	0.041	<0.0005	<0.001	0.012	<0.0004	0.036	<0.00009	<0.005	<0.0005	0.0012	<0.1	<0.1	<0.0005	0.0071	<0.0005	<0.001	<0.002	
SW77	25-Oct-16	0.92	<0.0001	0.0005	0.026	<0.002	0.006	0.00008	<0.002	0.001	0.005	<0.1	1.33	0.00289	0.381	<0.0001	<0.01	<0.001
	9-May-17	0.07	<0.0001	<0.0001	0.006	<0.002	<0.005	<0.000014	<0.002	<0.0001	<0.002	<0.1	0.051	0.00006	0.005	<0.0001	<0.01	<0.001
	8-May-18	<0.01	<0.0001	<0.0001	0.00706	<0.0001	<0.01	<0.00001	0.00077	<0.0001	<0.001	0.035	<0.05	<0.0001	0.00106	<0.00005	<0.0005	<0.00005
	14-May-19	0.017	<0.0005	<0.001	0.0064	<0.0005	<0.01	<0.0001	<0.005	<0.0005	<0.001	<0.1	<0.1	<0.0005	<0.002	<0.0005	<0.001	<0.002
	19-May-20	0.036	<0.0005	<0.001	0.0074	<0.0005	<0.01	<0.0001	<0.005	<0.0005	<0.001	<0.1	<0.1	<0.0005	0.0025	<0.0005	<0.001	<0.002
	27-May-21	0.042	<0.0005	<0.001	0.0079	<0.0004	<0.01	<0.00009	<0.005	<0.0005	<0.0009	<0.1	<0.1	<0.0005	0.0045	<0.0005	<0.001	<0.002
	25-May-22	0.096	<0.0005	<0.001	0.0084	<0.0004	<0.01	<0.00009	<0.005	<0.0005	<0.0009	<0.1	0.13	<0.0005	0.0068	<0.0005	<0.001	<0.002
16-May-23	0.0095	<0.0005	<0.001	0.0074	<0.0004	<0.01	<0.00009	<0.005	<0.0005	<0.0009	<0.1	<0.1	<0.0005	<0.002	<0.0005	<0.001	<0.002	
PR Control	25-Oct-16	0.02	0.0002	0.0001	0.022	<0.002	0.025	<0.00002	<0.002	0.0002	<0.002	<0.1	<0.005	<0.00002	0.008	<0.0001	<0.01	<0.001
	8-May-17	0.08	<0.0001	0.0001	0.019	<0.002	0.02	<0.000014	0.004	<0.0001	<0.002	<0.1	0.161	0.00006	0.012	0.0001	<0.01	<0.001
	8-May-18	0.091	<0.0001	0.00019	0.0183	<0.0001	<0.021	<0.00001	0.00061	<0.0001	<0.001	0.04	0.102	<0.0001	0.00746	0.000158	<0.0005	<0.00005
	14-May-19	0.11	<0.0005	<0.001	0.017	<0.0005	0.017	<0.0001	<0.005	<0.0005	<0.001	<0.1	0.1	<0.0005	0.0056	<0.0005	<0.001	<0.002
	19-May-20	0.21	<0.0005	<0.001	0.022	<0.0005	0.02	<0.0001	<0.005	<0.0005	0.0012	<0.1	0.26	<0.0005	0.021	<0.0005	<0.001	<0.002
27-May-21	0.059	<0.0005	<0.001	0.019	<0.0004	0.023	<0.00009	<0.005	<0.0005	<0.0009	<0.1	<0.1	<0.0005	0.0098	<0.0005	<0.001	<0.002	



Table C-4 Surface Water Laboratory Chemical Results

Surface Water Station	Date	Total Metals									Oil & Grease			
		Silicon	Silver	Strontium	Thallium	Titanium	Tungsten	Uranium	Vanadium	Zinc	Zirconium	Animal / Vegetable	Mineral	Total
		SI	Ag	Sr	TI	TI	W	U	V	Zn	Zr			
	PWQO	nc	0.0001	nc	0.0003	nc	0.03 <i>i</i>	0.005 <i>i</i>	0.006 <i>i</i>	0.03	0.004 <i>i</i>	<i>f</i>	<i>f</i>	<i>f</i>
SW18 (cont'd)	26-May-22		<0.00009	0.18	<0.00005	<0.005	<0.001	0.0002	<0.0005	<0.005	<0.001			
	16-May-23		<0.00009	0.17	<0.00005	<0.005	<0.001	0.00021	<0.0005	<0.005	<0.001			
SW21C	24-Oct-16		<0.00002	0.063	<0.00005	<0.005	<0.01	0.00007	<0.005	<0.005	<0.003			
	8-May-17		<0.00002		<0.00005	<0.005	<0.01	0.00006	<0.005	<0.005	<0.003			
	9-May-18		<0.00005	0.067	<0.00001	<0.002	<0.0001	0.000059	<0.0005	<0.003	<0.0003			
	16-May-19		<0.0001	0.06	<0.00005	<0.005	<0.001	<0.0001	<0.0005	<0.005	<0.001			
	20-May-20		<0.0001	0.06	<0.00005	<0.005	<0.001	<0.0001	<0.0005	<0.005	<0.001			
	26-May-21		<0.00009	0.067	<0.00005	0.017	<0.001	<0.0001	0.0011	<0.005	<0.001			
	25-May-22		<0.00009	0.064	<0.00005	<0.005	<0.001	<0.0001	<0.0005	<0.005	<0.001			
	17-May-23		<0.00009	0.064	<0.00005	<0.005	<0.001	<0.0001	<0.0005	<0.005	<0.001			
SW24A	25-Oct-16		<0.00002	0.872	<0.00005	<0.005	0.01	0.00026	<0.005	<0.005	0.003			
	9-May-17		<0.00002	0.064	<0.00005	<0.005	<0.01	0.0001	<0.005	<0.005	0.008			
	8-May-18		<0.00005	0.456	<0.00001	0.00357	<0.0001	0.000195	<0.0005	<0.003	<0.0003			
	16-May-19		<0.0001	0.44	<0.00005	<0.005	<0.001	0.00018	<0.0005	<0.005	<0.001			
	20-May-20		<0.0001	0.53	<0.00005	<0.005	<0.001	0.00021	<0.0005	<0.005	<0.001			
	26-May-21		<0.00009	0.65	<0.00005	0.0073	<0.001	0.00024	<0.0005	<0.005	<0.001			
	25-May-22		<0.00009	0.092	<0.00005	<0.005	<0.001	0.00014	<0.0005	<0.005	<0.001			
	16-May-23		<0.00009	0.66	<0.00005	<0.005	<0.001	0.00023	<0.0005	<0.005	<0.001			
SW77	25-Oct-16		<0.00002	0.147	<0.00005	0.009	<0.01	0.00015	<0.005	0.01	<0.003			
	9-May-17		<0.00002	0.077	<0.00005	<0.005	<0.01	0.00008	<0.005	<0.005	0.006			
	8-May-18		<0.00005	0.0994	<0.00001	0.00036	<0.0001	0.000085	<0.0005	<0.003	<0.0003			
	14-May-19		<0.0001	0.091	<0.00005	<0.005	<0.001	<0.0001	<0.0005	<0.005	<0.001			
	19-May-20		<0.0001	0.094	<0.00005	<0.005	<0.001	0.0001	<0.0005	<0.005	<0.001			
	27-May-21		<0.00009	0.1	<0.00005	<0.005	<0.001	<0.0001	<0.0005	<0.005	<0.001			
	25-May-22		<0.00009	0.1	<0.00005	<0.005	<0.001	<0.0001	<0.0005	<0.005	<0.001			
	16-May-23		<0.00009	0.093	<0.00005	<0.005	<0.001	<0.0001	<0.0005	<0.005	<0.001			
PR Control	25-Oct-16		<0.00002	0.19	<0.00005	<0.005	<0.01	0.00024	<0.005	<0.005	<0.003			
	8-May-17		<0.00002		<0.00005	<0.005	<0.01	0.00027	<0.005	<0.005	<0.003			
	8-May-18		<0.00005	0.135	<0.00001	0.00207	<0.0001	0.000241	<0.0005	<0.003	<0.0003			
	14-May-19		<0.0001	0.12	<0.00005	<0.005	<0.001	0.00022	0.00054	<0.005	<0.001			
	19-May-20		<0.0001	0.14	<0.00005	0.0076	<0.001	0.00026	0.00063	<0.005	<0.001			
	27-May-21		<0.00009	0.16	<0.00005	<0.005	<0.001	0.00023	<0.0005	<0.005	<0.001			

**Table C-4 Surface Water Laboratory Chemical Results**

Surface Water Station	Date	BTEX & Hydrocarbons (µg/L)									
		Benzene	Toluene	Ethylbenzene	m&p-Xylene	o-Xylene	Total Xylenes	F1 (C6-C10)	F2 (C10-C16)	F3 (C16-C34)	F4 (C34-C50)
		100 <i>i</i>	0.8 <i>i</i>	8 <i>i</i>	2 <i>i</i>	40 <i>i</i>	nc	nc	nc	nc	nc
SW18 (cont'd)	26-May-22	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	16-May-23	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
SW21C	24-Oct-16	<0.5	<0.5	<0.5	<1	<0.5	<1.1	<50	<50	<400	<400
	8-May-17	<0.5	<0.5	<0.5	<1	<0.5	<1.1	<50	<50	<400	<400
	9-May-18	<0.5	<0.5	<0.5	<0.4	<0.3	<0.5	<25	<100	<250	<250
	16-May-19	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	20-May-20	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	26-May-21	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	25-May-22	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	17-May-23	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
SW24A	25-Oct-16	<0.5	<0.5	<0.5	<1	<0.5	<1.1	<50	<50	<400	<400
	9-May-17	<0.5	<0.5	<0.5	<1	<0.5	<1.1	<50	<50	<400	<400
	8-May-18	<0.5	<0.5	<0.5	<0.4	<0.3	<0.5	<25	<100	<250	<250
	16-May-19							<100	<200	<200	<200
	20-May-20	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	26-May-21	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	25-May-22	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	16-May-23	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
SW77	25-Oct-16	<0.5	<0.5	<0.5	<1	<0.5	<1.1	<50	<50	<400	<400
	9-May-17	<0.5	<0.5	<0.5	<1	<0.5	<1.1	<50	<50	<400	<400
	8-May-18	<0.5	<0.5	<0.5	<0.4	<0.3	<0.5	<25	<100	<250	<250
	14-May-19	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	19-May-20	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	27-May-21	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	25-May-22	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	16-May-23	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
PR Control	25-Oct-16	<0.5	<0.5	<0.5	<1	<0.5	<1.1	<50	<50	<400	<400
	8-May-17	<0.5	<0.5	<0.5	<1	<0.5	<1.1	<50	<50	<400	<400
	8-May-18	<0.5	<0.5	<0.5	<0.4	<0.3	<0.5	<25	<100	<250	<250
	14-May-19	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	19-May-20	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	27-May-21	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200

Table C-4 Surface Water Laboratory Chemical Results

Surface Water Station	Date	General Parameters						Major Ions							Nutrients and Organic Indicators							
		pH (su)	EC (µS/cm)	TSS	TDS	Hardness	Colour (TCU)	Turbidity (NTU)	Alkalinity	Chloride	Sulphate	Calcium	Magnesium	Sodium	Potassium	Nitrate	Nitrite	Ammonia	Un-ionized Ammonia	TKN	TP	Phenols
		6.5 - 8.5	nc	nc	nc	nc	nc	b	c	nc	nc	nc	nc	nc	nc	nc	nc	nc	0.02 d	nc	0.03 i e	0.001
PR Control (cont'd)	24-May-22	8.25	434.4	10		240	5		230	3.7	8.1	62	21	2.2	0.98	0.45	<0.01	<0.05	<0.002	<0.1	0.009	
	17-May-23			<10		260	5		240	2.4	7.5	65	20	2	0.89	0.34	<0.01	<0.05	<0.002	<0.1	0.004	
BC Control	25-Oct-16	8.26	714	<3	406	362	20		228	57.1	61	105	24.2	15.4	3.5	0.5	<0.1	<0.01	<0.001	0.2	0.02	
	9-May-17	8.32	429	9	231	237	13		199	8.3	6	70.1	15	4	0.8	1.6	<0.1	<0.01	<0.001	9	0.02	
	8-May-18	8.36	446	6.7	269	247	15.6	4.4	240	11.3	6.31	70.6	15.7	5.08	1.14	0.83	<0.01	0.033	0.001	<0.15	0.011	
	14-May-19			<10		220	15		200	12	<1	62	14	5.4	0.84	0.48	<0.01	<0.05	<0.002	0.25	0.014	
	19-May-20	8.27	450	13	315	210	17	1.7	210	14	1.9	63	14	6.2	0.9	0.51	<0.01	<0.05		0.2	<0.02	
	27-May-21			<10	279.95	280	7		260	16	8.7	81	19			0.84	<0.01	<0.05	<0.003	0.23	0.012	
	24-May-22	8.27	440.6	10		290	8		260	17	14	84	19	6.3	1.2	0.91	<0.01	<0.05	<0.002	<0.1	0.017	
	17-May-23			10		300	11		250	19	10	76	18	7.8	0.93	0.49	<0.01	<0.05	<0.002	0.17	0.007	

Surface Water Station	Date	Total Metals																
		Aluminum	Antimony	Arsenic	Barium	Beryllium	Boron	Cadmium	Chromium	Cobalt	Copper	Fluoride	Iron	Lead	Manganese	Molybdenum	Nickel	Selenium
		<b>Al</b>	<b>Sb</b>	<b>As</b>	<b>Ba</b>	<b>Be</b>	<b>B</b>	<b>Cd</b>	<b>Cr</b>	<b>Co</b>	<b>Cu</b>	<b>F</b>	<b>Fe</b>	<b>Pb</b>	<b>Mn</b>	<b>Mo</b>	<b>Ni</b>	<b>Se</b>
	PWQO	0.075 <i>i</i>	0.02 <i>i</i>	0.1 <i>i</i>	nc	1.1	0.2	0.0005 <i>i</i>	0.0089	0.0009	0.005 <i>i</i>	nc	0.3	0.005 <i>i</i>	nc	0.04	0.025	0.1
PR Control (cont'd)	24-May-22	0.12	<0.0005	<0.001	0.02	<0.0004	0.023	<0.00009	<0.005	<0.0005	<0.0009	<0.1	0.14	<0.0005	0.016	<0.0005	<0.001	<0.002
	17-May-23	0.062	<0.0005	<0.001	0.023	<0.0004	0.021	<0.00009	<0.005	<0.0005	<0.0009	<0.1	<0.1	<0.0005	0.0096	<0.0005	<0.001	<0.002
BC Control	25-Oct-16	0.04	<0.0001	0.0014	0.051	<0.002	0.231	<0.00002	<0.002	0.0003	<0.002	0.2	0.023	<0.00002	0.044	0.0001	<0.01	0.006
	9-May-17	0.09	<0.0001	<0.0001	0.02	<0.002	0.01	<0.000014	<0.002	<0.0001	<0.002	<0.1	0.091	0.00003	0.009	0.0001	<0.01	<0.001
	8-May-18	0.154	<0.0001	0.00024	0.0217	<0.0001	0.026	<0.00001	<0.0005	0.0001	<0.001	0.046	0.18	<0.0001	0.0136	0.000125	<0.0005	<0.00005
	14-May-19	0.11	<0.0005	<0.001	0.018	<0.0005	0.017	<0.0001	<0.005	<0.0005	<0.001	<0.1	220	<0.0005	0.013	<0.0005	<0.001	<0.002
	19-May-20	0.16	<0.0005	<0.001	0.02	<0.0005	0.023	<0.0001	<0.005	<0.0005	0.001	<0.1	0.16	<0.0005	0.01	<0.0005	<0.001	<0.002
	27-May-21	0.095	<0.0005	<0.001	0.029	<0.0004	0.043	<0.00009	<0.005	<0.0005	<0.0009	<0.1	0.1	<0.0005	0.014	<0.0005	<0.001	<0.002
	24-May-22	0.16	<0.0005	<0.001	0.031	<0.0004	0.06	<0.00009	<0.005	<0.0005	0.0009	<0.1	0.18	<0.0005	0.026	<0.0005	<0.001	<0.002
	17-May-23	0.1	<0.0005	<0.001	0.025	<0.0004	0.035	<0.00009	<0.005	<0.0005	<0.0009	<0.1	0.12	<0.0005	0.015	<0.0005	<0.001	<0.002

**Table C-4 Surface Water Laboratory Chemical Results**

Surface Water Station	Date	Total Metals									Oil & Grease			
		Silicon	Silver	Strontium	Thallium	Titanium	Tungsten	Uranium	Vanadium	Zinc	Zirconium	Animal / Vegetable	Mineral	Total
		<b>SI</b>	<b>Ag</b>	<b>Sr</b>	<b>TI</b>	<b>TI</b>	<b>W</b>	<b>U</b>	<b>V</b>	<b>Zn</b>	<b>Zr</b>			
	PWQO	nc	0.0001	nc	0.0003	nc	0.03 <i>i</i>	0.005 <i>i</i>	0.006 <i>i</i>	0.03	0.004 <i>i</i>	<i>f</i>	<i>f</i>	<i>f</i>
PR Control (cont'd)	24-May-22		<0.00009	0.15	<0.00005	<0.005	<0.001	0.00024	0.00058	<0.005	<0.001			
	17-May-23		<0.00009	0.15	<0.00005	<0.005	<0.001	0.00029	<0.0005	<0.005	<0.001			
BC Control	25-Oct-16		<0.00002	0.913	<0.00005	<0.005	<0.01	0.00038	<0.005	<0.005	<0.003			
	9-May-17		<0.00002	0.156	<0.00005	<0.005	<0.01	0.00024	<0.005	0.005	0.009			
	8-May-18		<0.00005	0.19	<0.00001	0.00345	<0.0001	0.000227	<0.0005	<0.003	<0.0003			
	14-May-19		<0.0001	0.14	<0.00005	<0.005	<0.001	0.00018	<0.0005	<0.005	<0.001			
	19-May-20		<0.0001	0.16	<0.00005	0.022	<0.001	0.00022	0.00052	<0.005	<0.001			
	27-May-21		<0.00009	0.32	<0.00005	<0.005	<0.001	0.00031	0.0006	<0.005	<0.001			
	24-May-22		<0.00009	0.35	<0.00005	0.0057	<0.001	0.00037	0.00061	<0.005	<0.001			
	17-May-23		<0.00009	0.25	<0.00005	<0.005	<0.001	0.00027	0.00053	<0.005	<0.001			

**Table C-4 Surface Water Laboratory Chemical Results**

Surface Water Station	Date	BTEX & Hydrocarbons (µg/L)									
		Benzene	Toluene	Ethylbenzene	m&p-Xylene	o-Xylene	Total Xylenes	F1 (C6-C10)	F2 (C10-C16)	F3 (C16-C34)	F4 (C34-C50)
		100 <i>i</i>	0.8 <i>i</i>	8 <i>i</i>	2 <i>i</i>	40 <i>i</i>	nc	nc	nc	nc	nc
PR Control (cont'd)	24-May-22	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	17-May-23	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
BC Control	25-Oct-16	<0.5	<0.5	<0.5	<1	<0.5	<1.1	<50	<50	<400	<400
	9-May-17	<0.5	<0.5	<0.5	<1	<0.5	<1.1	<50	<50	<400	<400
	8-May-18	<0.5	<0.5	<0.5	<0.4	<0.3	<0.5	<25	<100	<250	<250
	14-May-19	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	19-May-20	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	27-May-21	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	24-May-22	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200
	17-May-23	<0.2	<0.2	<0.2	<0.4	<0.2	<0.4	<25	<100	<200	<200

**Table C-5 Surface Water Laboratory Microbiological Results**

Surface Water Station	Date	Microbiological		
		Total Coliforms (cfu/100mL)	E:Coli (cfu/100mL)	Heterotrophic Plate Count (cfu/mL)
		PWQO		
		nc	100	nc
SUMP 1	23-Mar-16	330	131	610
	25-May-16	26	13	>2000
	10-Aug-16	16	5	>2000
	18-Oct-16	(7)	(7)	>2000
	1-Feb-17	(7)	(7)	>2000
	5-Apr-17	<10	0	16
	17-Jul-17	>200	61	>2000
	4-Oct-17	(7)	(7)	>2000
	6-Mar-18	34	0	13
	9-May-18	21	1	81
	5-Sep-18	69	53	470
	6-Dec-18	18	4	33
	9-Mar-19	7	9	7
	10-May-19	41	9	20
	4-Sep-19	49	22	180
	19-Dec-19	20	10	120
	2-Mar-20	66	27	34
	11-Jun-20	22	13	970
	27-Aug-20	(7)	(7)	>5700
	25-Nov-20	84	<2	410
	23-Feb-21	68	16	14
	27-May-21	16	9	200
	11-Aug-21	(7)	(7)	930
	7-Oct-21	140	51	740
	28-Feb-22	6	0	130
	26-May-22	130	3	170
	31-Aug-22	170	110	610
	28-Oct-22	33	2	1600
23-Feb-23	43	0	560	
17-May-23	29	2	170	
30-Aug-23	(7)	(7)	2300	
31-Oct-23	280	3	790	
Sump 2	23-Mar-16	16	0	1360
	25-May-16	50	21	>2000
	10-Aug-16	102	15	>2000
	18-Oct-16	(7)	(7)	>2000
	1-Feb-17	4	0	50
	5-Apr-17	<10	0	60
	17-Jul-17	>200	50	>200
	4-Oct-17	(7)	(7)	>2000
	6-Mar-18	6	1	14
	9-May-18	9	117	55
	5-Sep-18	95	53	150
	6-Dec-18	13	2	46
	17-May-19	4	2	8
	4-Sep-19	(7)	(7)	160
30-Jun-20	120	20	220	

**Table C-5 Surface Water Laboratory Microbiological Results**

Surface Water Station	Date	Microbiological		
		Total Coliforms (cfu/100mL)	E. Coli (cfu/100mL)	Heterotrophic Plate Count (cfu/mL)
		PWQO		
		nc	100	nc
Sump 2 (cont'd)	27-Aug-20	600	600	5500
	25-Nov-20	18	<2	530
	27-May-21	140	130	470
	11-Aug-21	47	20	880
	7-Oct-21	75	49	580
	28-Feb-22	8	2	9
	26-May-22	(7)	(7)	340
	31-Aug-22	150	98	530
	28-Oct-22	83	23	1900
	23-Feb-23	11	0	79
	17-May-23	31	6	150
	30-Aug-23	(7)	(7)	970
	31-Oct-23	79	1	910
QFSW2	6-Mar-18	34	0	9
	9-May-18	32	5	72
	5-Sep-18	53	14	270
	6-Dec-18	9	2	5
	8-Mar-19	1	1	3
	17-May-19	6	0	2
	4-Sep-19	31	13	130
	19-Dec-19	24	13	60
	2-Mar-20	22	16	11
	11-Jun-20	12	3	900
	27-Aug-20	(7)	(7)	>5700
	25-Nov-20	46	<2	370
	23-Feb-21	52	0	0
	27-May-21	0	0	300
	11-Aug-21	140	86	1100
	7-Oct-21	190	100	970
	28-Feb-22	14	1	27
	24-May-22	79	9	100
	31-Aug-22	130	68	440
	28-Oct-22	39	6	1300
23-Feb-23	0	0	7	
17-May-23	23	1	220	
30-Aug-23	(7)	(7)	1400	
31-Oct-23	420	6	570	
SW10	24-Oct-16	>2000	108	>2000
	8-May-17	60	1	270
	9-May-18	160	14	63
	20-May-20	(7)	(7)	140
	24-May-22	(7)	(7)	570
	17-May-23	(7)	(7)	360
SW11A	8-May-17	52	4	200
	9-May-18	3	0	3
	16-May-19	0	7	4
	20-May-20	6	0	0



**Table C-5 Surface Water Laboratory Microbiological Results**

Surface Water Station	Date	Microbiological		
		Total Coliforms (cfu/100mL)	E:Coli (cfu/100mL)	Heterotrophic Plate Count (cfu/mL)
		PWQO	nc	100
SW11A (cont'd)	26-May-21	4	0	6
	25-May-22	(7)	(7)	500
	17-May-23	2	0	0
SW11B	24-Oct-16	230	9	>2000
	8-May-17	68	0	40
	9-May-18	3	2	1
	16-May-19	93	0	36
	20-May-20	7	0	0
	26-May-21	0	0	39
	25-May-22	48	0	310
	17-May-23	16	0	17
SW11C	24-Oct-16	230	4	500
	8-May-17	74	1	40
	9-May-18	5	0	4
	16-May-19	7	0	4
	20-May-20	52	12	1
	26-May-21	0	0	31
	25-May-22	8	0	17
	17-May-23	11	0	22
SW11D	24-Oct-16	390	81	>2000
	8-May-17	28	0	10
	9-May-18	6	0	5
	16-May-19	3	0	4
	20-May-20	80	20	0
	26-May-21	0	0	16
	25-May-22	47	0	19
	17-May-23	19	0	17
SW11E	24-Oct-16	230	9	>2000
	9-May-17	60	0	160
	9-May-18	41	0	30
	20-May-20	88	42	1
	26-May-21	0	0	160
	25-May-22	(7)	(7)	140
	17-May-23	120	0	350
SW21C	24-Oct-16	160	1	460
	8-May-17	46	11	110
	9-May-18	140	0	70
	16-May-19	19	0	6
	20-May-20	72	27	19
	26-May-21	300	300	290
	25-May-22	(7)	(7)	270
	17-May-23	150	15	74

<b>February 23, 2023</b>				
<b>Parameter</b>	<b>RDL</b>	<b>Original QFSW2</b>	<b>Duplicate DUP</b>	<b>RPD</b>
T S S	10	24	< 10	<2 RDL
Hardness	1	380	280	<b>30</b>
Colour	2	3	3	<2 RDL
Alkalinity	1	190	260	<b>31</b>
Chloride	2	180	14	<b>171</b>
Sulphate	1	12	8.1	<b>39</b>
Calcium	0.2	63	66	5
Magnesium	0.05	59	32	<b>59</b>
Sodium	0.1	47	3.5	<b>172</b>
Potassium	0.2	4.8	0.88	<b>&gt;2 RDL</b>
Nitrate	0.1	5.56	1.15	<b>131</b>
Nitrite	0.01	< 0.01	< 0.01	<2 RDL
Ammonia	0.05	< 0.05	< 0.05	<2 RDL
T K N	0.2	< 0.2	0.28	<2 RDL
T P	0.004	< 0.004	< 0.004	<2 RDL
Aluminum	0.0049	0.015	0.0061	<2 RDL
Antimony	0.0005	< 0.0005	< 0.0005	<2 RDL
Arsenic	0.001	< 0.001	< 0.001	<2 RDL
Barium	0.002	0.02	0.007	<b>&gt;2 RDL</b>
Beryllium	0.0004	< 0.0004	< 0.0004	<2 RDL
Boron	0.01	0.058	0.012	<b>&gt;2 RDL</b>
Cadmium	0.00009	< 0.00009	< 0.00009	<2 RDL
Chromium	0.005	< 0.005	< 0.005	<2 RDL
Cobalt	0.0005	< 0.0005	< 0.0005	<2 RDL
Copper	0.0009	< 0.0009	< 0.0009	<2 RDL
Fluoride	0.1	0.29	0.11	<2 RDL
Iron	0.1	< 0.1	< 0.1	<2 RDL
Lead	0.0005	< 0.0005	< 0.0005	<2 RDL
Manganese	0.002	0.017	0.0035	<b>&gt;2 RDL</b>
Molybdenum	0.0005	0.00066	< 0.0005	<2 RDL
Nickel	0.001	< 0.001	< 0.001	<2 RDL
Selenium	0.002	< 0.002	< 0.002	<2 RDL
Silver	0.00009	< 0.00009	< 0.00009	<2 RDL
Strontium	0.001	0.53	0.11	<b>131</b>
Thallium	0.00005	< 0.00005	< 0.00005	<2 RDL
Titanium	0.005	< 0.005	< 0.005	<2 RDL
Tungsten	0.001	< 0.001	< 0.001	<2 RDL
Uranium	0.0001	0.00011	0.00011	<2 RDL
Vanadium	0.0005	< 0.0005	< 0.0005	<2 RDL
Zinc	0.005	< 0.005	< 0.005	<2 RDL
Zirconium	0.001	< 0.001	< 0.001	<2 RDL

<b>May 16, 2023</b>				
<b>Parameter</b>	<b>RDL</b>	<b>Original SW17</b>	<b>Duplicate DUP 1</b>	<b>RPD</b>
T S S	10	< 10	< 10	<2 RDL
Hardness	1	250	250	<1
Colour	2	4	4	<2 RDL
Alkalinity	1	230	230	<1
Chloride	1	5.2	5.2	<1
Sulphate	1	7.4	7.4	<1
Calcium	0.2	66	64	3
Magnesium	0.05	20	19	5
Sodium	0.1	4.4	4.3	2
Potassium	0.2	0.67	0.68	<2 RDL
Nitrate	0.1	0.2	0.2	<2 RDL
Nitrite	0.01	< 0.01	< 0.01	<2 RDL
Ammonia	0.05	< 0.05	< 0.05	<2 RDL
T K N	0.1	0.1	0.13	<2 RDL
T P	0.004	0.007	0.005	<2 RDL
Aluminum	0.0049	0.085	0.074	14
Antimony	0.0005	< 0.0005	< 0.0005	<2 RDL
Arsenic	0.001	< 0.001	< 0.001	<2 RDL
Barium	0.002	0.01	0.01	<2 RDL
Beryllium	0.0004	< 0.0004	< 0.0004	<2 RDL
Boron	0.01	0.027	0.026	<2 RDL
Cadmium	0.00009	< 0.00009	< 0.00009	<2 RDL
Chromium	0.005	< 0.005	< 0.005	<2 RDL
Cobalt	0.0005	< 0.0005	< 0.0005	<2 RDL
Copper	0.0009	< 0.0009	< 0.0009	<2 RDL
Fluoride	0.1	< 0.1	< 0.1	<2 RDL
Iron	0.1	0.1	0.11	<2 RDL
Lead	0.0005	< 0.0005	< 0.0005	<2 RDL
Manganese	0.002	0.016	0.016	<1
Molybdenum	0.0005	< 0.0005	< 0.0005	<2 RDL
Nickel	0.001	< 0.001	< 0.001	<2 RDL
Selenium	0.002	< 0.002	< 0.002	<2 RDL
Silver	0.00009	< 0.00009	< 0.00009	<2 RDL
Strontium	0.001	0.39	0.4	3
Thallium	0.00005	< 0.00005	< 0.00005	<2 RDL
Titanium	0.005	< 0.005	< 0.005	<2 RDL
Tungsten	0.001	< 0.001	< 0.001	<2 RDL
Uranium	0.0001	0.0002	0.00022	<2 RDL
Vanadium	0.0005	0.00052	< 0.0005	<2 RDL
Zinc	0.005	< 0.005	< 0.005	<2 RDL
Zirconium	0.001	< 0.001	< 0.001	<2 RDL

<b>May 17, 2023</b>				
<b>Parameter</b>	<b>RDL</b>	<b>Original SUMP 2</b>	<b>Duplicate DUP</b>	<b>RPD</b>
T S S	10	< 10	< 10	<2 RDL
Hardness	1	330	320	3
Colour	2	< 2	< 2	<2 RDL
Alkalinity	1	220	220	<1
Chloride	1	92	93	1
Sulphate	1	8.1	7.9	2
Calcium	0.2	56	57	2
Magnesium	0.05	38	39	3
Sodium	0.1	31	30	3
Potassium	0.2	3.1	3	3
Nitrate	0.1	1.46	1.43	2
Nitrite	0.01	0.022	0.016	<2 RDL
Ammonia	0.05	< 0.05	< 0.05	<2 RDL
T K N	0.1	0.13	0.14	<2 RDL
T P	0.004	< 0.004	< 0.004	<2 RDL
Aluminum	0.0049	0.017	0.019	<2 RDL
Antimony	0.0005	< 0.0005	< 0.0005	<2 RDL
Arsenic	0.001	< 0.001	< 0.001	<2 RDL
Barium	0.002	0.012	0.011	9
Beryllium	0.0004	< 0.0004	< 0.0004	<2 RDL
Boron	0.01	0.036	0.036	<2 RDL
Cadmium	0.00009	< 0.00009	< 0.00009	<2 RDL
Chromium	0.005	< 0.005	< 0.005	<2 RDL
Cobalt	0.0005	< 0.0005	< 0.0005	<2 RDL
Copper	0.0009	< 0.0009	< 0.0009	<2 RDL
Fluoride	0.1	0.19	0.18	<2 RDL
Iron	0.1	< 0.1	< 0.1	<2 RDL
Lead	0.0005	< 0.0005	< 0.0005	<2 RDL
Manganese	0.002	0.0023	0.0024	<2 RDL
Molybdenum	0.0005	0.00053	0.00056	<2 RDL
Nickel	0.001	< 0.001	< 0.001	<2 RDL
Selenium	0.002	< 0.002	< 0.002	<2 RDL
Silver	0.00009	< 0.00009	< 0.00009	<2 RDL
Strontium	0.001	0.38	0.38	<1
Thallium	0.00005	< 0.00005	< 0.00005	<2 RDL
Titanium	0.005	< 0.005	< 0.005	<2 RDL
Tungsten	0.001	< 0.001	< 0.001	<2 RDL
Uranium	0.0001	< 0.0001	< 0.0001	<2 RDL
Vanadium	0.0005	< 0.0005	< 0.0005	<2 RDL
Zinc	0.005	< 0.005	< 0.005	<2 RDL
Zirconium	0.001	< 0.001	< 0.001	<2 RDL

<b>May 17, 2023</b>				
<b>Parameter</b>	<b>RDL</b>	<b>Original BC CONTROL</b>	<b>Duplicate DUP 2</b>	<b>RPD</b>
T S S	10	10	< 10	<2 RDL
Hardness	1	300	280	7
Colour	2	11	12	9
Alkalinity	1	250	250	<1
Chloride	1	19	19	<1
Sulphate	1	10	10	<1
Calcium	0.2	76	80	5
Magnesium	0.05	18	18	<1
Sodium	0.1	7.8	7.8	<1
Potassium	0.2	0.93	0.93	<2 RDL
Nitrate	0.1	0.49	0.52	<2 RDL
Nitrite	0.01	< 0.01	< 0.01	<2 RDL
Ammonia	0.05	< 0.05	< 0.05	<2 RDL
T K N	0.1	0.17	0.16	<2 RDL
T P	0.004	0.007	0.006	<2 RDL
Aluminum	0.0049	0.1	0.09	11
Antimony	0.0005	< 0.0005	< 0.0005	<2 RDL
Arsenic	0.001	< 0.001	< 0.001	<2 RDL
Barium	0.002	0.025	0.024	4
Beryllium	0.0004	< 0.0004	< 0.0004	<2 RDL
Boron	0.01	0.035	0.036	<2 RDL
Cadmium	0.00009	< 0.00009	< 0.00009	<2 RDL
Chromium	0.005	< 0.005	< 0.005	<2 RDL
Cobalt	0.0005	< 0.0005	< 0.0005	<2 RDL
Copper	0.0009	< 0.0009	< 0.0009	<2 RDL
Fluoride	0.1	< 0.1	< 0.1	<2 RDL
Iron	0.1	0.12	0.11	<2 RDL
Lead	0.0005	< 0.0005	< 0.0005	<2 RDL
Manganese	0.002	0.015	0.015	<1
Molybdenum	0.0005	< 0.0005	< 0.0005	<2 RDL
Nickel	0.001	< 0.001	< 0.001	<2 RDL
Selenium	0.002	< 0.002	< 0.002	<2 RDL
Silver	0.00009	< 0.00009	< 0.00009	<2 RDL
Strontium	0.001	0.25	0.25	<1
Thallium	0.00005	< 0.00005	< 0.00005	<2 RDL
Titanium	0.005	< 0.005	< 0.005	<2 RDL
Tungsten	0.001	< 0.001	< 0.001	<2 RDL
Uranium	0.0001	0.00027	0.00027	<2 RDL
Vanadium	0.0005	0.00053	< 0.0005	<2 RDL
Zinc	0.005	< 0.005	< 0.005	<2 RDL
Zirconium	0.001	< 0.001	< 0.001	<2 RDL

<b>August 30, 2023</b>				
<b>Parameter</b>	<b>RDL</b>	<b>Original Sump 2</b>	<b>Duplicate</b>	<b>RPD</b>
T S S	10	< 10	< 10	<2 RDL
Hardness	1	420	390	7
Colour	2	< 2	< 2	<2 RDL
Alkalinity	1	170	170	<1
Chloride	1	180	180	<1
Sulphate	1	9	9.4	4
Calcium	0.2	46	45	2
Magnesium	0.05	62	66	6
Sodium	0.1	46	46	<1
Potassium	0.2	6.4	6.7	5
Nitrate	0.1	1.51	1.51	<1
Nitrite	0.01	0.029	0.03	<2 RDL
Ammonia	0.05	< 0.05	< 0.05	<2 RDL
T K N	0.1	0.33	0.39	<2 RDL
T P	0.004	< 0.004	< 0.004	<2 RDL
Aluminum	0.0049	0.05	0.044	13
Antimony	0.0005	< 0.0005	< 0.0005	<2 RDL
Arsenic	0.001	< 0.001	< 0.001	<2 RDL
Barium	0.002	0.012	0.012	<1
Beryllium	0.0004	< 0.0004	< 0.0004	<2 RDL
Boron	0.01	0.087	0.09	3
Cadmium	0.00009	< 0.00009	< 0.00009	<2 RDL
Chromium	0.005	< 0.005	< 0.005	<2 RDL
Cobalt	0.0005	< 0.0005	< 0.0005	<2 RDL
Copper	0.0009	< 0.0009	< 0.0009	<2 RDL
Fluoride	0.1	0.21	0.21	<2 RDL
Iron	0.1	< 0.1	< 0.1	<2 RDL
Lead	0.0005	< 0.0005	< 0.0005	<2 RDL
Manganese	0.002	0.0034	0.0037	<2 RDL
Molybdenum	0.0005	0.00075	0.00078	<2 RDL
Nickel	0.001	< 0.001	< 0.001	<2 RDL
Selenium	0.002	< 0.002	< 0.002	<2 RDL
Silver	0.00009	< 0.00009	< 0.00009	<2 RDL
Strontium	0.001	0.62	0.62	<1
Thallium	0.00005	< 0.00005	< 0.00005	<2 RDL
Titanium	0.005	< 0.005	< 0.005	<2 RDL
Tungsten	0.001	< 0.001	< 0.001	<2 RDL
Uranium	0.0001	< 0.0001	< 0.0001	<2 RDL
Vanadium	0.0005	< 0.0005	< 0.0005	<2 RDL
Zinc	0.005	< 0.005	< 0.005	<2 RDL
Zirconium	0.001	< 0.001	< 0.001	<2 RDL

October 31, 2023				
Parameter	RDL	Original QFSW2	Duplicate DUP	RPD
T S S	10	< 10	< 10	<2 RDL
Hardness	1	410	410	<1
Colour	2	6	4	<2 RDL
Alkalinity	1	220	220	<1
Chloride	1	150	150	<1
Sulphate	1	6.4	6.7	5
Calcium	0.2	61	62	2
Magnesium	0.05	55	57	4
Sodium	0.1	37	37	<1
Potassium	0.2	4.4	4.5	2
Nitrate	0.1	1.32	1.32	<1
Nitrite	0.01	< 0.01	< 0.01	<2 RDL
Ammonia	0.05	0.12	0.11	<2 RDL
T K N	0.1	0.17	0.14	<2 RDL
T P	0.004	< 0.004	< 0.004	<2 RDL
Aluminum	0.0049	0.01	0.0085	<2 RDL
Antimony	0.0005	< 0.0005	< 0.0005	<2 RDL
Arsenic	0.001	0.0016	0.0016	<2 RDL
Barium	0.002	0.016	0.018	12
Beryllium	0.0004	< 0.0004	< 0.0004	<2 RDL
Boron	0.01	0.067	0.066	2
Cadmium	0.00009	< 0.00009	< 0.00009	<2 RDL
Chromium	0.005	< 0.005	< 0.005	<2 RDL
Cobalt	0.0005	< 0.0005	< 0.0005	<2 RDL
Copper	0.0009	< 0.0009	< 0.0009	<2 RDL
Fluoride	0.1	0.29	0.29	<2 RDL
Iron	0.1	0.15	0.15	<2 RDL
Lead	0.0005	< 0.0005	< 0.0005	<2 RDL
Manganese	0.002	0.11	0.11	<1
Molybdenum	0.0005	0.00064	0.00069	<2 RDL
Nickel	0.001	< 0.001	< 0.001	<2 RDL
Selenium	0.002	< 0.002	< 0.002	<2 RDL
Silver	0.00009	< 0.00009	< 0.00009	<2 RDL
Strontium	0.001	0.51	0.51	<1
Thallium	0.00005	0.00005	0.00005	<2 RDL
Titanium	0.005	< 0.005	< 0.005	<2 RDL
Tungsten	0.001	< 0.001	< 0.001	<2 RDL
Uranium	0.0001	< 0.0001	< 0.0001	<2 RDL
Vanadium	0.0005	< 0.0005	< 0.0005	<2 RDL
Zinc	0.005	< 0.005	< 0.005	<2 RDL
Zirconium	0.001	< 0.001	< 0.001	<2 RDL