

Appendix A-1

Daily volume of fresh Water obtained from Meliadine Lake
(MEL-1 and MEL-2)

Fresh water from Meliadine Lake in 2018

Date	Type A	Type B	Total	Date	Type A	Type B	Total	Date	Type A	Type B	Total
1-Jan-2018	22.0	29.3	51.3	1-Feb-2018	65.5	64.5	129.9	1-Mar-2018	68.0	26.6	94.6
2-Jan-2018	27.0	23.0	50.0	2-Feb-2018	48.0	38.5	86.5	2-Mar-2018	63.0	46.2	109.2
3-Jan-2018	18.0	29.9	47.9	3-Feb-2018	50.0	34.3	84.3	3-Mar-2018	67.0	36.2	103.2
4-Jan-2018	25.0	25.1	50.1	4-Feb-2018	54.5	37.1	91.5	4-Mar-2018	49.0	62.5	111.5
5-Jan-2018	38.0	31.8	69.8	5-Feb-2018	51.0	40.0	91.0	5-Mar-2018	62.0	34.6	96.6
6-Jan-2018	48.0	54.4	102.4	6-Feb-2018	58.0	28.7	86.7	6-Mar-2018	51.0	27.8	78.8
7-Jan-2018	42.0	47.9	89.9	7-Feb-2018	68.0	37.2	105.2	7-Mar-2018	55.0	42.5	97.5
8-Jan-2018	52.0	42.6	94.6	8-Feb-2018	57.0	34.8	91.8	8-Mar-2018	57.0	85.1	142.1
9-Jan-2018	34.0	29.3	63.3	9-Feb-2018	55.0	36.5	91.5	9-Mar-2018	54.6	32.8	87.4
10-Jan-2018	56.0	23.6	79.6	10-Feb-2018	56.0	33.0	89.0	10-Mar-2018	53.0	75.4	128.4
11-Jan-2018	48.0	21.5	69.5	11-Feb-2018	63.0	35.6	98.6	11-Mar-2018	54.0	54.1	108.1
12-Jan-2018	47.0	61.4	108.4	12-Feb-2018	62.0	38.5	100.5	12-Mar-2018	54.0	66.4	120.4
13-Jan-2018	67.0	30.4	97.4	13-Feb-2018	59.0	33.6	92.6	13-Mar-2018	71.0	63.9	134.9
14-Jan-2018	72.0	30.1	102.1	14-Feb-2018	63.0	54.4	117.4	14-Mar-2018	63.0	81.4	144.4
15-Jan-2018	48.0	37.3	85.3	15-Feb-2018	63.0	49.7	112.7	15-Mar-2018	63.0	67.2	130.2
16-Jan-2018	67.0	49.2	116.2	16-Feb-2018	67.0	35.1	102.1	16-Mar-2018	68.0	65.8	133.8
17-Jan-2018	62.0	61.5	123.5	17-Feb-2018	65.0	29.6	94.6	17-Mar-2018	67.0	101.7	168.7
18-Jan-2018	69.0	40.2	109.2	18-Feb-2018	54.0	48.5	102.5	18-Mar-2018	68.0	69.6	137.6
19-Jan-2018	64.0	25.9	89.9	19-Feb-2018	62.0	45.0	107.0	19-Mar-2018	78.0	90.3	168.3
20-Jan-2018	66.0	48.2	114.2	20-Feb-2018	56.0	42.9	98.9	20-Mar-2018	73.4	66.0	139.3
21-Jan-2018	61.0	57.5	118.5	21-Feb-2018	54.0	29.5	83.5	21-Mar-2018	73.0	95.1	168.1
22-Jan-2018	60.0	32.9	92.9	22-Feb-2018	67.0	35.4	102.4	22-Mar-2018	79.7	71.5	151.2
23-Jan-2018	59.0	32.4	91.4	23-Feb-2018	62.0	32.8	94.8	23-Mar-2018	72.6	115.1	187.7
24-Jan-2018	70.0	46.9	116.9	24-Feb-2018	51.0	32.6	83.6	24-Mar-2018	73.7	51.2	124.9
25-Jan-2018	58.0	23.4	81.4	25-Feb-2018	57.0	39.7	96.7	25-Mar-2018	89.0	70.8	159.8
26-Jan-2018	53.0	54.8	107.8	26-Feb-2018	53.0	29.8	82.8	26-Mar-2018	70.2	58.5	128.7
27-Jan-2018	48.0	35.1	83.1	27-Feb-2018	53.0	49.8	102.8	27-Mar-2018	71.7	36.5	108.1
28-Jan-2018	56.0	57.9	113.9	28-Feb-2018	60.0	48.0	108.0	28-Mar-2018	73.0	37.1	110.1
29-Jan-2018	55.8	38.6	94.4					29-Mar-2018	77.9	32.7	110.6
30-Jan-2018	50.4	43.0	93.4					30-Mar-2018	41.0	40.3	81.3
31-Jan-2018	58.2	31.4	89.7					31-Mar-2018	41.0	32.2	73.2
Total Jan	1601.5	1196.3	2797.8	Total Feb	1633.9	1094.9	2728.8	Total March	2001.6	1837.2	3838.8
Total Q1									5237.0	4128.4	9365.3

Date	Type A	Type B	Total	Date	Type A	Type B	Total	Date	Type A	Type B	Total
1-Apr-18	62.5	60.3	122.8	1-May-18	69.0	74.5	143.5	1-Jun-18	85.0	106.0	191.0
2-Apr-18	63.0	58.4	121.4	2-May-18	65.0	66.7	131.7	2-Jun-18	74.0	94.7	168.7
3-Apr-18	62.0	49.4	111.4	3-May-18	66.0	99.3	165.3	3-Jun-18	89.0	80.3	169.3
4-Apr-18	67.0	49.6	116.6	4-May-18	64.0	43.5	107.5	4-Jun-18	96.5	51.9	148.4
5-Apr-18	64.0	65.4	129.4	5-May-18	63.0	66.8	129.8	5-Jun-18	79.5	98.4	177.9
6-Apr-18	108.5	33.2	141.7	6-May-18	60.0	101.1	161.1	6-Jun-18	87.5	82.6	170.1
7-Apr-18	59.0	42.5	101.5	7-May-18	65.0	76.0	141.0	7-Jun-18	81.5	64.0	145.5
8-Apr-18	54.0	36.9	90.9	8-May-18	64.0	31.6	95.6	8-Jun-18	84.0	86.6	170.6
9-Apr-18	60.0	64.7	124.7	9-May-18	88.0	61.5	149.5	9-Jun-18	81.0	59.8	140.8
10-Apr-18	62.0	31.7	93.7	10-May-18	77.0	40.2	117.2	10-Jun-18	85.0	54.8	139.8
11-Apr-18	64.0	61.0	125.0	11-May-18	67.0	50.0	117.0	11-Jun-18	90.0	61.1	151.1
12-Apr-18	68.0	79.0	147.0	12-May-18	72.0	45.4	117.4	12-Jun-18	87.0	44.4	131.4
13-Apr-18	59.0	337.5	396.5	13-May-18	65.7	77.4	143.1	13-Jun-18	87.0	46.7	133.7
14-Apr-18	60.0	62.3	122.3	14-May-18	75.0	43.0	118.0	14-Jun-18	100.0	31.0	131.0
15-Apr-18	54.0	46.6	100.6	15-May-18	81.0	51.4	132.4	15-Jun-18	75.0	97.0	172.0
16-Apr-18	55.0	65.6	120.6	16-May-18	73.9	88.2	162.2	16-Jun-18	76.0	42.5	118.5
17-Apr-18	54.0	84.0	138.0	17-May-18	122.0	50.7	172.7	17-Jun-18	71.7	133.5	205.2
18-Apr-18	57.0	50.9	107.9	18-May-18	50.0	74.6	124.6	18-Jun-18	95.1	103.7	198.8

Fresh water from Meliadine Lake in 2018

19-Apr-18	56.0	72.6	128.6	19-May-18	85.0	36.7	121.7	19-Jun-18	175.5	-26.8	148.7
20-Apr-18	60.0	52.9	112.9	20-May-18	120.2	67.8	188.0	20-Jun-18	97.4	53.7	151.1
21-Apr-18	60.0	54.6	114.6	21-May-18	58.0	102.5	160.5	21-Jun-18	102.1	49.0	151.1
22-Apr-18	60.0	111.2	171.2	22-May-18	97.0	110.0	207.0	22-Jun-18	74.5	90.2	164.7
23-Apr-18	57.0	66.8	123.8	23-May-18	85.0	99.8	184.8	23-Jun-18	78.5	93.2	171.7
24-Apr-18	59.0	46.5	105.5	24-May-18	87.0	91.9	178.9	24-Jun-18	102.7	106.0	208.7
25-Apr-18	61.0	95.0	156.0	25-May-18	88.0	116.8	204.8	25-Jun-18	72.4	39.6	112.0
26-Apr-18	75.0	61.7	136.7	26-May-18	79.0	107.6	186.6	26-Jun-18	86.4	55.9	142.3
27-Apr-18	66.0	82.8	148.8	27-May-18	86.0	106.6	192.6	27-Jun-18	83.3	65.9	149.2
28-Apr-18	59.0	87.9	146.9	28-May-18	89.0	101.3	190.3	28-Jun-18	85.0	26.1	111.1
29-Apr-18	65.0	78.4	143.4	29-May-18	86.0	122.4	208.4	29-Jun-18	80.3	61.2	141.5
30-Apr-18	61.0	48.8	109.8	30-May-18	79.0	105.9	184.9	30-Jun-18	45.3	63.9	109.2
				31-May-18	82.0	52.6	134.6				
Total April	1872.0	2138.1	4010.1	Total May	2408.8	2363.8	4772.5	Total June	2608.2	2016.8	4625.0
Total Q2									6889.0	6518.6	13407.6

Date	Type A	Type B	Total	Date	Type A	Type B	Total	Date	Type A	Type B	Total
1-Jul-18	74.3	45.2	119.5	1-Aug-18	118.0	34.5	152.5	1-Sep-18	105.3	51.6	156.8
2-Jul-18	94.3	59.1	153.4	2-Aug-18	85.2	34.1	119.3	2-Sep-18	98.3	54.2	152.5
3-Jul-18	100.5	37.2	137.7	3-Aug-18	72.9	38.1	111.0	3-Sep-18	119.3	43.1	162.4
4-Jul-18	133.5	93.5	227.0	4-Aug-18	82.7	44.8	127.4	4-Sep-18	110.1	54.6	164.7
5-Jul-18	95.5	54.0	149.5	5-Aug-18	112.7	44.8	157.5	5-Sep-18	132.0	49.9	181.9
6-Jul-18	86.8	35.2	121.9	6-Aug-18	86.6	62.7	149.3	6-Sep-18	111.1	31.9	143.0
7-Jul-18	93.0	40.9	133.9	7-Aug-18	81.5	61.7	143.1	7-Sep-18	110.0	35.9	145.9
8-Jul-18	63.0	21.8	84.8	8-Aug-18	78.0	38.0	116.0	8-Sep-18	93.7	24.6	118.3
9-Jul-18	81.0	23.7	104.7	9-Aug-18	105.5	54.2	159.7	9-Sep-18	91.0	57.5	148.5
10-Jul-18	78.9	40.8	119.7	10-Aug-18	74.0	40.3	114.3	10-Sep-18	82.0	42.6	124.6
11-Jul-18	79.4	42.4	121.8	11-Aug-18	77.0	64.0	141.0	11-Sep-18	103.4	50.1	153.5
12-Jul-18	102.2	59.2	161.4	12-Aug-18	60.0	83.7	143.7	12-Sep-18	105.6	38.0	143.6
13-Jul-18	60.0	26.4	86.4	13-Aug-18	92.0	59.2	151.2	13-Sep-18	89.8	58.1	147.9
14-Jul-18	93.5	67.6	161.1	14-Aug-18	92.0	54.6	146.6	14-Sep-18	86.5	82.7	169.2
15-Jul-18	61.0	26.4	87.4	15-Aug-18	92.2	66.5	158.7	15-Sep-18	96.0	41.2	137.2
16-Jul-18	88.0	39.9	127.9	16-Aug-18	88.2	63.5	151.7	16-Sep-18	95.0	48.7	143.7
17-Jul-18	73.0	25.5	98.5	17-Aug-18	94.5	44.1	138.6	17-Sep-18	90.5	64.3	154.8
18-Jul-18	91.1	57.0	148.1	18-Aug-18	90.0	57.1	147.1	18-Sep-18	88.0	51.2	139.2
19-Jul-18	92.5	83.4	175.9	19-Aug-18	54.0	59.2	113.2	19-Sep-18	91.0	53.4	144.4
20-Jul-18	89.5	50.3	139.8	20-Aug-18	126.5	57.1	183.6	20-Sep-18	130.0	72.5	202.5
21-Jul-18	94.0	93.5	187.5	21-Aug-18	84.0	66.6	150.6	21-Sep-18	84.0	46.0	130.0
22-Jul-18	87.5	130.3	217.8	22-Aug-18	90.5	59.8	150.3	22-Sep-18	121.0	62.0	183.0
23-Jul-18	74.0	74.4	148.4	23-Aug-18	91.5	53.7	145.2	23-Sep-18	135.0	61.2	196.2
24-Jul-18	91.0	48.2	139.2	24-Aug-18	87.5	56.5	144.0	24-Sep-18	96.5	52.7	149.2
25-Jul-18	86.5	65.3	151.8	25-Aug-18	86.0	44.3	130.3	25-Sep-18	133.0	54.8	187.8
26-Jul-18	94.0	82.7	176.7	26-Aug-18	75.0	69.6	144.6	26-Sep-18	91.0	57.3	148.3
27-Jul-18	76.7	79.2	155.9	27-Aug-18	89.0	60.3	149.3	27-Sep-18	93.0	52.4	145.4
28-Jul-18	78.0	56.6	134.6	28-Aug-18	115.5	56.9	172.4	28-Sep-18	95.2	58.5	153.7
29-Jul-18	72.3	42.0	114.3	29-Aug-18	76.5	70.3	146.8	29-Sep-18	93.5	59.4	152.9
30-Jul-18	83.0	50.4	133.4	30-Aug-18	107.5	37.1	144.6	30-Sep-18	83.8	70.8	154.6
31-Jul-18	94.5	58.8	153.3	31-Aug-18	104.8	47.8	152.6				
Total July	2662.4	1710.6	4373.0	Total Aug	2771.1	1684.9	4456.0	Total Sept	3054.5	1581.2	4635.7
Total Q3									8487.9	4976.8	13464.7

Date	Type A	Type B	Total	Date	Type A	Type B	Total	Date	Type A	Type B	Total
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Fresh water from Meliadine Lake in 2018

1-Oct-18	103.0	69.7	172.7	1-Nov-18	93.00	61.1	154.1	1-Dec-18	94.00	52.78	146.8
2-Oct-18	118.9	65.6	184.5	2-Nov-18	95.00	31.6	126.6	2-Dec-18	87.00	72.46	159.5
3-Oct-18	101.3	59.1	160.4	3-Nov-18	95.00	85.3	180.3	3-Dec-18	85.00	32.17	117.2
4-Oct-18	81.2	38.5	119.7	4-Nov-18	121.00	68.2	189.2	4-Dec-18	98.00	35.21	133.2
5-Oct-18	91.3	58.9	150.2	5-Nov-18	97.00	82.0	179.0	5-Dec-18	74.00	36.76	110.8
6-Oct-18	99.2	51.9	151.1	6-Nov-18	134.00	108.5	242.5	6-Dec-18	90.00	82.22	172.2
7-Oct-18	112.0	48.5	160.5	7-Nov-18	106.00	78.5	184.5	7-Dec-18	77.00	58.24	135.2
8-Oct-18	96.0	52.1	148.1	8-Nov-18	87.00	86.1	173.1	8-Dec-18	112.00	50.71	162.7
9-Oct-18	97.0	42.0	139.0	9-Nov-18	90.00	70.0	160.0	9-Dec-18	86.00	49.59	135.6
10-Oct-18	119.4	58.2	177.5	10-Nov-18	85.00	71.4	156.4	10-Dec-18	90.00	38.39	128.4
11-Oct-18	113.0	40.3	153.3	11-Nov-18	77.00	62.8	139.8	11-Dec-18	96.00	34.92	130.9
12-Oct-18	92.0	48.5	140.5	12-Nov-18	98.00	85.3	183.3	12-Dec-18	89.00	43.18	132.2
13-Oct-18	103.0	42.4	145.4	13-Nov-18	79.00	89.6	168.6	13-Dec-18	104.00	44.64	148.6
14-Oct-18	102.0	51.8	153.8	14-Nov-18	90.00	61.6	151.6	14-Dec-18	88.00	52.00	140.0
15-Oct-18	91.0	36.7	127.7	15-Nov-18	100.00	68.2	168.2	15-Dec-18	94.00	51.26	145.3
16-Oct-18	71.0	48.7	119.7	16-Nov-18	84.00	69.4	153.4	16-Dec-18	76.00	40.64	116.6
17-Oct-18	105.0	40.9	145.9	17-Nov-18	93.00	94.4	187.4	17-Dec-18	95.00	33.56	128.6
18-Oct-18	109.0	43.9	152.9	18-Nov-18	99.00	74.5	173.5	18-Dec-18	93.00	19.65	112.7
19-Oct-18	94.0	61.6	155.6	19-Nov-18	90.00	88.7	178.7	19-Dec-18	128.00	46.25	174.3
20-Oct-18	85.0	37.1	122.1	20-Nov-18	103.00	67.9	170.9	20-Dec-18	122.00	22.68	144.7
21-Oct-18	83.0	68.1	151.1	21-Nov-18	93.00	98.6	191.6	21-Dec-18	82.00	25.61	107.6
22-Oct-18	102.0	84.5	186.5	22-Nov-18	103.00	54.7	157.7	22-Dec-18	76.00	18.35	94.4
23-Oct-18	102.0	74.1	176.1	23-Nov-18	96.00	58.4	154.4	23-Dec-18	71.00	24.24	95.2
24-Oct-18	106.0	82.1	188.1	24-Nov-18	86.00	77.5	163.5	24-Dec-18	71.00	20.74	91.7
25-Oct-18	111.0	62.4	173.4	25-Nov-18	95.00	47.4	142.4	25-Dec-18	76.00	19.67	95.7
26-Oct-18	101.0	74.2	175.2	26-Nov-18	100.00	45.4	145.4	26-Dec-18	74.00	23.94	97.9
27-Oct-18	103.0	64.0	167.0	27-Nov-18	96.00	56.5	152.5	27-Dec-18	67.00	15.76	82.8
28-Oct-18	95.0	31.0	126.0	28-Nov-18	93.00	38.7	131.7	28-Dec-18	66.00	29.70	95.7
29-Oct-18	110.0	70.8	180.8	29-Nov-18	91.00	62.5	153.5	29-Dec-18	67.00	13.29	80.3
30-Oct-18	93.0	67.7	160.7	30-Nov-18	86.00	74.8	160.8	30-Dec-18	77.00	40.48	117.5
31-Oct-18	106.0	83.0	189.0					31-Dec-18	86.00	21.14	107.1
Total Oct	3096.2	1758.0	4854.2	Total Nov	2855.0	2119.7	4974.7	Total Dec	2691.0	1150.2	3841.2
Total Q4									8642.2	5027.9	13670.1