Table B.12.1
Cumberland Resources Ltd. - Meadowbank Gold Project
2002 Lake Evaporation Data

Date 2002	Pan Evap (mm)	Water Temperature, Tw Max (°C)	Min (°C)	Average (°C)	Mean Air Temp, Ta (°C)	Ave. Wind Speed (km/h)	Up (km)	Alpha	T	Lake Evap (mm)	Pan Coeffcient
25-Jun	4.78	17.0	7.0	12.0	7.7	10.7	256.1	0.58	3.62	4.3	0.90
26-Jun	5.34	17.0	4.0	10.5	7.5	13.1	314.9	0.58	2.61	4.5	0.85
27-Jun	2.4	15.0	4.0	9.5	5.5	16.8	403.4	0.58	3.39	2.9	1.21
28-Jun	1.3	15.0	5.0	10.0	7.3	11.6	277.2	0.56	2.42	1.6	1.21
29-Jun	2.8	14.0	11.0	12.5	6.4	16.1	385.2	0.61	4.92	3.8	1.35
30-Jun	2.15	14.0	6.0	10.0	7.9	5.8	139.8	0.53	1.93	1.8	0.86
1-Jul	5.4	21.0	6.0	13.5	11.4	7.4	176.4	0.57	1.95	4.2	0.78
2-Jul	7.3	24.0	8.0	16.0	14.2	6.5	155.3	0.60	1.67	5.5	0.75
3-Jul	9.7	21.0	12.0	16.5	14.3	14.6	349.7	0.65	2.03	7.5	0.78
4-Jul	7.6	16.0	15.0	15.5	15.0	19.3	463.0	0.65	0.53	5.6	0.73
5-Jul	2.3	11.0	9.0	10.0	10.0	10.2	244.8	0.56	-0.06	1.6	0.69
6-Jul	0.5	5.0	4.0	4.5	7.2	19.5	467.5	0.54	-2.43	-0.6	-1.12
7-Jul	3.2	6.0	5.0	5.5	5.7	29.9	716.4	0.56	-0.19	2.1	0.67
8-Jul	3.8	11.0	9.0	10.0	7.1	17.1	411.4	0.59	2.56	3.6	0.95
9-Jul	1.4	18.0	6.0	12.0	11.3	9.3	222.7	0.57	0.75	1.2	0.83
10-Jul	2.2	17.0	7.0	12.0	8.0	13.2	316.1	0.59	3.36	2.6	1.18
11-Jul	5.2	15.0	6.0	10.5	9.4	18.9	454.3	0.60	1.10	4.1	0.79
12-Jul	4.3	15.0	13.0	14.0	8.3	7.2	172.8	0.58	4.61	4.0	0.93
14-Jul	2.8	15.0	14.0	14.5	8.8	8.5	205.0	0.59	4.60	3.1	1.09
15-Jul	3.2	13.0	7.0	10.0	6.3	14.7	352.3	0.58	3.13	3.3	1.02
16-Jul	3.9	16.0	4.0	10.0	9.2	14.2	341.0	0.58	0.84	3.0	0.77
17-Jul	2	15.0	8.0	11.5	9.3	17.3	415.0	0.60	2.04	2.2	1.09
18-Jul	5.2	14.0	6.0	10.0	9.6	20.9	501.1	0.60	0.43	3.8	0.74
19-Jul	6.8	8.0	5.0	6.5	6.2	29.7	712.6	0.57	0.34	5.0	0.73
20-Jul	4.7	13.0	4.0	8.5	8.5	32.1	771.1	0.60	0.05	3.3	0.71
21-Jul	2.9	12.0	4.0	8.0	7.2	24.3	583.2	0.58	0.80	2.4	0.83
22-Jul	3.1	18.0	6.0	12.0	9.2	14.3	343.0	0.60	2.45	3.0	0.96
23-Jul	5.9	20.0	7.0	13.5	12.2	6.3	151.4	0.58	1.24	4.4	0.74
25-Jul	6.3	25.0	9.0	17.0	18.1	9.5	229.0	0.62	-1.12	4.1	0.65
26-Jul	4	23.0	13.0	18.0	16.8	15.7	376.1	0.66	1.20	3.3	0.82
27-Jul	5.2	23.0	10.0	16.5	10.9	21.0	505.0	0.66	4.56	5.9	1.13
28-Jul	0.8	23.0	9.0	16.0	13.6	10.7	256.8	0.62	2.18	1.2	1.48
29-Jul	2.9	17.0	12.0	14.5	13.5	11.3	270.5	0.61	1.04	2.3	0.80
30-Jul	0.2	15.0	2.0	8.5	13.3	12.5	300.5	0.55	-3.98	-1.0	-4.92
31-Jul	1.6	16.0	10.0	13.0	13.3	14.4	345.8	0.61	-0.35	1.0	0.63
1-Aug	0.1	14.0	9.0	11.5	10.4	19.8	474.5	0.61	1.05	0.5	5.24
2-Aug	0.7	12.0	9.0	10.5	10.8	24.4	585.6	0.61	-0.31	0.3	0.48
3-Aug	3.2	14.0	7.0	10.5	11.1	22.0	528.0	0.60	-0.61	2.0	0.61
4-Aug	3.8	13.0	8.0	10.5	9.9	24.1	577.7	0.61	0.68	3.0	0.79
5-Aug	2.9	17.0	9.0	13.0	12.0	17.7	425.3	0.62	1.02	2.4	0.84
6-Aug	-0.3	15.0	9.0	12.0	12.6	19.6	470.4	0.61	-0.59	-0.5	1.55
7-Aug	9.9	18.0	7.0	12.5	13.4	14.5	348.5	0.60	-0.88	6.6	0.67
8-Aug	2.6	20.0	9.0	14.5	13.3	9.0	217.0	0.60	1.18	2.1	0.81
9-Aug	3.7	20.0	8.0	14.0	14.7	14.8	354.2	0.62	-0.68	2.3	0.63
11-Aug	3.4	18.0	12.0	15.0	9.9	21.5	516.0	0.65	4.22	4.4	1.31
12-Aug	0.9	14.0	11.0	12.5	11.8	18.7	448.6	0.62	0.76	0.9	1.05
13-Aug	1.6	15.0	10.5	12.8	11.3	14.2	340.6	0.61	1.41	1.6	1.00
14-Aug	5.4	13.0	8.0	10.5	9.4	35.9	861.6	0.62	1.10	4.6	0.85
15-Aug	5.2	12.0	5.0	8.5	7.3	24.9	598.6	0.59	1.17	4.2	0.81
16-Aug	3.7	17.0	7.0	12.0	11.6	16.4	393.6	0.60	0.43	2.7	0.74
18-Aug	3.6	15.0	8.0	11.5	8.7	10.7	256.8	0.57	2.48	3.2	0.88
19-Aug	2.5	16.0	7.0	11.5	11.4	18.5	443.0	0.61	0.15	1.8	0.73
20-Aug	5.7	13.0	7.0	10.0	9.6	18.9	452.6	0.59	0.43	4.2	0.73
21-Aug	1.9	13.0	6.0	9.5	8.1	18.4	441.1	0.58	1.34	1.9	0.98
22-Aug	1.5	12.0	4.0	8.0	8.7	8.9	212.6	0.53	-0.74	0.9	0.59
23-Aug	0.8	10.0	3.0	6.5	9.5	7.3	174.2	0.50	-2.66	0.1	0.09
24-Aug	-0.1	12.0	5.0	8.5	9.2	19.6	469.9	0.58	-0.71	-0.4	3.59
25-Aug	3.5	12.0	6.0	9.0	7.4	15.7	376.6	0.57	1.54	3.0	0.85
26-Aug	0.5	12.0	4.0	8.0	7.7	9.3	224.2	0.53	0.35	0.4	0.85
27-Aug	2.6	15.0	6.0	10.5	8.1	11.6	278.2	0.57	2.14	2.4	0.93
28-Aug	2.3	14.0	4.0	9.0	8.0	7.5	179.5	0.53	1.03	1.8	0.79
29-Aug	3.3	12.0	5.0	8.5	8.1	24.8	595.7	0.59	0.50	2.6	0.77
30-Aug	-1.9	10.0	5.0	7.5	8.7	22.0	528.7	0.57	-1.18	-1.9	0.97
1-Sep	1.5	11.0	6.0	8.5	6.7	10.4	248.9	0.54	1.67	1.5	0.97
2-Sep	2.3	8.0	5.0	6.5	5.6	20.4	489.8	0.56	0.87	2.0	0.85
3-Sep	0.25	8.0	4.0	6.0	5.9	17.7	425.0	0.55	0.16	0.2	0.93
4-Sep	2.85	11.0	4.0	7.5	7.5	18.7	449.8	0.56	-0.03	2.0	0.70
5-Sep	3.6	9.0	2.0	5.5	2.3	19.7	471.8	0.55	2.78	3.6	1.00
6-Sep	1.65	4.0	2.0	3.0	2.1	16.6	397.4	0.51	0.92	1.4	0.88
8-Sep	2.3	15.0	3.0	9.0	10.3	16.6	398.2	0.57	-1.23	1.2	0.51
9-Sep	1.5	14.0	6.0	10.0	8.9	9.3	222.2	0.55	1.12	1.3	0.87
10-Sep	3.7	12.0	4.0	8.0	6.6	8.6	205.9	0.52	1.31	2.9	0.77
11-Sep	0	9.0	4.0	6.5	5.9	16.3	391.4	0.55	0.60	0.2	-
12-Sep	2.7	8.0	3.0	5.5	3.3	11.1	265.9	0.51	2.00	2.4	0.88
13-Sep	1.2	5.0	3.0	4.0	3.9	8.1	193.7	0.48	0.17	0.9	0.73
14-Sep	1.4	6.0	2.0	4.0	3.9	9.4	225.8	0.49	0.15	1.0	0.72
16-Sep	1.7	7.0	1.0	4.0	2.5	15.8	379.4	0.52	1.47	1.6	0.97
19-Sep	-0.2	6.0	2.0	4.0	3.5	21.3	510.5	0.53	0.57	0.1	-0.44
20-Sep	1.8	3.0	1.0	2.0	2.1	25.7	616.8	0.52	-0.17	1.2	0.66
21-Sep	-0.8	3.0	1.0	2.0	1.5	41.4	993.6	0.54	0.56	-0.2	0.20
Sum	233.6									191.0	0.82

Notes: Elake=0.7*(Epan+0.00642*P*Alpha*(0.37+0.00255*Up)*T)
P=station pressure (kilopascal), P=101.325*(1-0.00002257*Z)^5.25, Z=station elevation, Z=58 m here, P=100.6306 kpa
Alpha=fraction of advected energy (Class A Pan) used for evaporation.
Alpha=0.35+0.01044*Tw+0.000559*Up; when 0<=Up<161
Alpha=0.35+0.01044*Tw+0.08+0.000249*(Up-161); when 161<=Up<322.
Alpha=0.35+0.01044*Tw+0.12+0.000124*(Up-322); when 322<=Up<483
Alpha=0.35+0.01044*Tw+0.14+0.000062*(Up-483); when Up>=483
Up=daily wind run across pan (km). Up=average wind speed*24
T=mean water and air temperature difference function.
T=(Tw-Ta)^0.88, when Tw>Ta; T=-[(Ta-Tw)^0.88], when Tw<Ta; T=0, when Tw=Ta
Tw=mean water temperature; Ta=mean air temperature.

Table B.12.2
Cumberland Resources Ltd. - Meadowbank Gold Project
2003 Lake Evaporation Data

Date 2003	Pan Evap (mm)	Water Temperature, Tw Max (°C)	Min (°C)	Average (°C)	Mean Air Temp, Ta (°C)	Ave. Wind Speed (km/h)	Up (km)	Alpha	T	Lake Evap (mm)	Pan Coeffcient
18-Jun	2.9	11.0	4.0	7.5	4.1	21.0	503.5	0.57	2.94	3.3	1.13
19-Jun	5.9	11.0	0.0	5.5	1.7	28.8	690.7	0.56	3.27	5.9	1.00
20-Jun	2.9	8.5	2.0	5.3	3.2	15.2	365.0	0.53	1.91	2.6	0.90
21-Jun	2.9	13.5	4.5	9.0	8.2	4.8	115.0	0.51	0.86	2.2	0.74
22-Jun	4.6	16.0	7.5	11.8	9.4	7.9	188.6	0.56	2.12	3.7	0.80
23-Jun	4.7	17.0	5.0	11.0	4.2	13.2	316.3	0.58	5.43	5.0	1.06
24-Jun	2	9.0	4.5	6.8	4.0	17.7	424.3	0.55	2.47	2.3	1.14
25-Jun	4.8	10.0	1.0	5.5	3.5	23.6	566.9	0.55	1.85	4.2	0.87
26-Jun	4.1	13.0	4.5	8.8	6.9	10.1	241.4	0.54	1.74	3.3	0.80
27-Jun	5.6	15.5	4.0	9.8	8.4	9.8	235.9	0.55	1.31	4.2	0.76
28-Jun	5.2	18.0	7.5	12.8	8.1	14.9	357.8	0.61	3.84	5.0	0.96
29-Jun	4	14.0	5.0	9.5	5.9	22.6	542.6	0.59	3.06	4.2	1.06
30-Jun	2.2	11.0	5.0	8.0	6.1	14.5	347.0	0.56	1.75	2.1	0.95
1-Jul	3.8	13.0	4.5	8.8	7.0	24.8	595.4	0.59	1.60	3.5	0.91
2-Jul	4.6	14.0	6.5	10.3	5.8	13.6	325.9	0.58	3.70	4.4	0.95
3-Jul	3.1	12.0	4.5	8.3	6.8	15.9	381.1	0.56	1.41	2.6	0.85
4-Jul	4.8	16.0	5.0	10.5	9.2	10.4	248.9	0.56	1.30	3.7	0.77
5-Jul	5.5	17.0	9.0	13.0	11.8	7.5	179.3	0.57	1.18	4.1	0.75
6-Jul	4	21.0	11.5	16.3	13.8	4.8	114.7	0.58	2.17	3.2	0.79
7-Jul	4	23.0	11.0	17.0	12.7	8.4	202.3	0.62	3.59	3.7	0.92
8-Jul	7.6	18.0	12.0	15.0	11.8	9.4	226.6	0.60	2.82	6.0	0.80
9-Jul	4.6	21.0	8.0	14.5	8.5	13.2	317.8	0.62	4.86	4.8	1.05
10-Jul	4.5	15.0	7.0	11.0	8.8	13.8	330.7	0.59	2.03	3.8	0.84
11-Jul	2.5	15.0	7.0	11.0	7.3	16.7	399.8	0.59	3.14	2.9	1.17
12-Jul	2.4	11.0	6.0	8.5	5.2	15.7	375.8	0.57	2.90	2.7	1.11
13-Jul	4.2	7.0	4.0	5.5	5.9	28.4	681.4	0.56	-0.47	2.7	0.64
14-Jul	3.4	14.0	6.0	10.0	11.0	24.9	597.1	0.60	-1.03	1.9	0.55
15-Jul	7.8	16.0	7.0	11.5	10.7	17.5	419.5	0.60	0.82	5.8	0.74
16-Jul	4.9	17.0	7.0	12.0	12.6	9.0	215.0	0.57	-0.59	3.3	0.67
17-Jul	4.2	19.0	11.0	15.0	17.4	11.9	286.3	0.62	-2.16	2.3	0.54
18-Jul	7.6	22.0	13.0	17.5	18.5	15.3	368.2	0.66	-1.03	4.9	0.65
19-Jul	5.8	22.0	13.0	17.5	14.6	17.0	408.5	0.66	2.58	5.1	0.89
20-Jul	6.9	16.0	10.0	13.0	13.7	14.2	340.8	0.61	-0.71	4.6	0.67
21-Jul	4.2	20.0	10.0	15.0	14.5	15.8	379.2	0.63	0.54	3.1	0.75
22-Jul	6.8	20.0	13.0	16.5	14.4	13.2	316.1	0.64	1.95	5.4	0.80
23-Jul	4.7	20.0	11.0	15.5	16.0	6.8	163.3	0.59	-0.50	3.2	0.68
24-Jul	4.7	24.0	14.0	19.0	17.7	7.1	170.6	0.63	1.29	3.6	0.76
25-Jul	6	26.0	12.0	19.0	15.1	16.2	389.8	0.68	3.35	5.6	0.93
26-Jul	7.4	19.0	12.0	15.5	17.3	8.3	199.7	0.60	-1.64	4.8	0.65
27-Jul	4.1	28.0	15.0	21.5	19.8	17.2	411.6	0.71	1.56	3.6	0.87
28-Jul	7.4	24.0	15.0	19.5	21.3	18.8	450.5	0.69	-1.65	4.4	0.60
29-Jul	6.5	26.0	14.0	20.0	14.6	17.7	425.5	0.69	4.39	6.5	1.00
30-Jul	6.4	20.0	10.0	15.0	15.6	16.3	391.9	0.64	-0.64	4.2	0.66
31-Jul	5.2	18.0	14.0	16.0	13.6	24.6	589.9	0.66	2.19	4.9	0.94
1-Aug	3.1	11.0	5.0	8.0	10.4	9.1	217.2	0.53	-2.19	1.7	0.55
2-Aug	4.6	18.0	10.0	14.0	15.9	25.2	605.0	0.64	-1.78	2.2	0.49
3-Aug	7.1	20.0	14.0	17.0	17.5	21.6	519.1	0.67	-0.50	4.7	0.66
5-Aug	7	19.0	9.0	14.0	8.1	19.9	477.8	0.64	4.75	7.1	1.01
6-Aug	3.9	15.0	6.0	10.5	12.8	25.7	616.6	0.61	-2.08	1.6	0.42
7-Aug	1.1	16.0	11.0	13.5	13.1	12.9	310.3	0.61	0.46	0.9	0.83
8-Aug	2.4	24.0	11.0	17.5	13.9	10.5	252.5	0.64	3.06	2.6	1.07
9-Aug	5.2	24.0	9.0	16.5	8.9	31.5	756.2	0.68	5.99	7.8	1.51
10-Aug	3.5	11.0	5.0	8.0	10.3	25.8	620.2	0.58	-2.07	1.4	-
11-Aug	4.8	15.0	10.0	12.5	12.5	13.6	326.6	0.60	0.06	3.4	0.70
12-Aug	1.8	18.5	9.5	14.0	9.1	17.0	408.0	0.63	4.04	2.9	1.59
13-Aug	0.9	15.5	7.0	11.3	13.7	12.3	296.2	0.58	-2.16	0.0	0.00
14-Aug	3.9	20.0	11.0	15.5	10.6	27.2	652.6	0.66	4.03	5.2	1.32
15-Aug	5.2	24.0	4.0	14.0	8.1	22.5	539.8	0.64	4.80	6.0	1.16
16-Aug	0	27.0	9.0	18.0	15.6	12.7	305.0	0.65	2.17	0.7	-
17-Aug	0	18.0	14.0	16.0	17.0	12.0	287.0	0.63	-0.98	-0.3	-
18-Aug	1	15.0	9.0	12.0	9.3	26.1	626.9	0.62	2.40	2.0	2.02
19-Aug	4.8	21.0	4.0	12.5	7.5	10.7	257.0	0.58	4.16	4.5	0.93
20-Aug	3.4	19.0	8.0	13.5	9.3	11.1	265.7	0.60	3.52	3.4	0.99
21-Aug	4.4	18.0	5.0	11.5	10.4	6.5	155.4	0.56	1.08	3.3	0.75
22-Aug	2	17.0	6.0	11.5	9.1	13.3	318.7	0.59	2.18	2.1	1.04
23-Aug	4.1	15.0	5.0	10.0	8.9	19.8	475.9	0.59	1.05	3.3	0.81
24-Aug	5.5	13.0	4.0	8.5	7.0	34.9	838.3	0.60	1.44	4.8	0.88
25-Aug	3.4	9.0	4.0	6.5	6.5	18.4	442.6	0.55	0.05	2.4	0.70
26-Aug	3.6	9.0	4.0	6.5	5.9	21.1	505.2	0.56	0.61	2.8	0.77
27-Aug	0.2	6.0	4.0	5.0	5.9	19.4	466.3	0.54	-0.88	-0.2	-0.97
28-Aug	2.8	8.0	4.0	6.0	6.6	25.4	609.1	0.56	-0.65	1.6	0.59
29-Aug	0.8	7.0	5.0	6.0	6.9	26.5	635.8	0.56	-0.88	0.1	0.15
30-Aug	1.4	9.0	6.0	7.5	7.3	17.5	420.2	0.56	0.20	1.1	0.75
31-Aug	1.4	6.0	5.0	5.5	7.0	18.1	435.1	0.54	-1.39	0.5	0.34
1-Sep	1.4	10.0	5.0	7.5	9.5	10.5	251.0	0.53	-1.86	0.5	0.38
2-Sep	1.9	14.0	3.0	8.5	11.0	14.3	343.9	0.56	-2.20	0.6	0.34
3-Sep	4.6	16.0	6.0	11.0	12.3	8.2	196.3	0.55	-1.23	3.0	0.64
5-Sep	2.8	12.0	8.0	10.0	7.9	33.0	793.0	0.61	1.93	3.2	1.15
6-Sep	2.25	8.5	5.0	6.8	7.4	12.4	297.8	0.53	-0.69	1.4	0.62
7-Sep	0.6	12.0	5.0	8.5	9.3	9.6	231.4	0.54	-0.79	0.2	0.39
8-Sep	1.8	14.0	6.0	10.0	10.0	10.9	262.3	0.56	0.00	1.3	0.70
Sum	320.1									262.9	0.82

Notes: Elake=0.7*(Epan+0.00642*P*Alpha*(0.37+0.00255*Up)*T)
P=station pressure (kilopascal), P=101.325*(1-0.00002257*Z)^5.25, Z=station elevation, Z=58 m here, P=100.6306 kpa
Alpha=fraction of advected energy (Class A Pan) used for evaporation.
Alpha=0.35+0.01044*Tw+0.000559*Up; when 0<=Up<161
Alpha=0.35+0.01044*Tw+0.08+0.000249*(Up-161); when 161<=Up<322.
Alpha=0.35+0.01044*Tw+0.12+0.000124*(Up-322); when 322<=Up<483
Alpha=0.35+0.01044*Tw+0.14+0.000062*(Up-483); when Up>=483
Up=daily wind run across pan (km). Up=average wind speed*24
T=mean water and air temperature difference function.
T=(Tw-Ta)^0.88, when Tw>Ta; T=-[(Ta-Tw)^0.88], when Tw<Ta; T=0, when Tw=Ta
Tw=mean water temperature; Ta=mean air temperature.

Table B.12.3
Cumberland Resources Ltd. - Meadowbank Gold Project
2004 Lake Evaporation Data

Date 2004	Pan Evap (mm)	Water Temperature, Tw Max (°C)	Min (°C)	Average (°C)	Mean Air Temp, Ta (°C)	Ave. Wind Speed (km/h)	Up (km)	Alpha	T	Lake Evap (mm)	Pan Coeffcient
24-Jun	4.2	14.5	4.0	9.3	7.6	22.8	547.9	0.59	1.58	3.7	0.88
25-Jun	5.9	17.0	4.5	10.8	7.9	17.2	413.0	0.59	2.51	5.1	0.86
26-Jun	4.6	15.5	6.0	10.8	7.2	15.0	361.0	0.59	3.02	4.2	0.93
27-Jun	5.5	21.0	6.0	13.5	9.8	10.2	245.3	0.59	3.18	4.7	0.85
28-Jun	4.4	17.5	5.5	11.5	5.6	17.9	428.4	0.60	4.78	5.0	1.13
29-Jun	3	14.0	3.0	8.5	5.0	21.0	503.8	0.58	2.99	3.4	1.13
30-Jun	4.5	14.0	5.0	9.5	4.9	20.2	485.8	0.59	3.86	4.8	1.06
1-Jul	0.4	8.0	3.0	5.5	3.5	14.1	337.7	0.53	1.83	0.8	2.04
2-Jul	2.8	10.0	2.0	6.0	3.8	27.0	647.0	0.56	2.00	3.0	1.06
3-Jul	1	10.0	3.0	6.5	3.6	24.0	575.3	0.56	2.54	1.9	1.88
4-Jul	1.2	11.0	3.0	7.0	7.7	14.5	348.0	0.55	-0.71	0.6	0.52
5-Jul	12.8	12.0	3.0	7.5	7.8	16.4	392.9	0.56	-0.30	8.9	0.69
6-Jul	2	18.0	8.0	13.0	12.0	9.9	238.1	0.58	0.99	1.7	0.83
7-Jul	3.8	21.0	8.0	14.5	16.1	12.5	300.7	0.62	-1.50	2.2	0.58
8-Jul	3.4	20.0	10.0	15.0	10.0	13.4	320.6	0.63	4.14	3.8	1.11
9-Jul	4.6	21.0	9.0	15.0	13.9	11.7	281.5	0.62	1.10	3.5	0.77
10-Jul	4.8	21.0	9.0	15.0	14.4	18.5	442.8	0.64	0.61	3.6	0.75
11-Jul	7.9	21.0	8.0	14.5	15.2	16.7	401.5	0.63	-0.76	5.2	0.66
12-Jul	4.4	22.0	11.0	16.5	15.0	6.6	159.0	0.61	1.43	3.4	0.77
14-Jul	7.3	23.0	9.0	16.0	10.7	13.9	334.4	0.64	4.32	6.6	0.91
15-Jul	3.2	12.0	7.0	9.5	7.8	16.1	386.2	0.58	1.64	2.8	0.88
16-Jul	2.8	15.0	5.0	10.0	8.6	17.3	414.5	0.59	1.34	2.5	0.88
17-Jul	3.2	16.0	4.0	10.0	5.8	15.6	374.2	0.58	3.52	3.5	1.08
18-Jul	3.8	14.0	3.0	8.5	6.2	16.7	400.3	0.57	2.04	3.4	0.89
19-Jul	2	13.0	2.0	7.5	5.2	13.2	315.6	0.55	2.08	2.0	1.00
20-Jul	1.2	12.0	4.0	8.0	4.9	22.8	546.7	0.58	2.69	2.1	1.72
22-Jul	9.4	12.0	4.0	8.0	7.8	23.3	560.3	0.58	0.26	6.7	0.71
23-Jul	6.1	13.0	5.0	9.0	9.9	18.8	450.2	0.58	-0.92	3.9	0.64
24-Jul	5.8	14.0	3.0	8.5	6.3	19.3	463.2	0.58	2.03	4.9	0.84
25-Jul	1.8	18.0	6.0	12.0	11.1	7.9	189.6	0.56	0.89	1.4	0.81
26-Jul	4.6	18.0	6.0	12.0	7.4	25.2	605.3	0.62	3.82	5.3	1.14
27-Jul	5.2	16.0	11.0	13.5	8.7	10.3	247.0	0.59	3.95	4.7	0.90
29-Jul	8.8	20.0	11.0	15.5	14.6	19.7	472.7	0.65	0.91	6.6	0.75
30-Jul	7.2	20.0	10.0	15.0	15.7	20.6	493.4	0.65	-0.72	4.7	0.65
31-Jul	8.9	22.0	10.0	16.0	14.4	11.5	274.8	0.63	1.52	6.7	0.75
1-Aug	5.3	22.0	9.0	15.5	14.2	16.6	397.4	0.64	1.25	4.2	0.79
2-Aug	5.5	22.0	12.0	17.0	14.4	9.4	226.6	0.62	2.30	4.5	0.81
4-Aug	11.2	21.0	11.0	16.0	16.1	13.4	320.5	0.64	-0.09	7.8	0.70
5-Aug	2.2	12.0	4.0	8.0	9.0	24.6	589.9	0.58	-1.00	1.1	0.48
6-Aug	2	10.0	4.0	7.0	5.9	20.6	495.1	0.56	1.06	1.8	0.92
7-Aug	2.4	10.0	6.0	8.0	6.7	22.1	529.9	0.58	1.26	2.2	0.93
8-Aug	1.5	11.0	6.0	8.5	7.5	21.1	507.4	0.58	1.04	1.5	1.00
9-Aug	1.8	14.0	9.0	11.5	10.9	18.1	433.9	0.60	0.68	1.5	0.85
10-Aug	3.1	10.0	4.0	7.0	9.4	24.2	580.1	0.57	-2.19	1.1	0.37
11-Aug	3.2	12.0	7.0	9.5	7.8	13.8	331.2	0.57	1.58	2.7	0.85
12-Aug	3.3	11.0	10.0	10.5	12.8	19.2	461.5	0.60	-2.07	1.5	0.44
15-Aug	5.3	14.0	5.0	9.5	8.8	23.6	566.4	0.59	0.75	4.1	0.77
16-Aug	1.1	7.0	4.0	5.5	4.9	29.1	698.4	0.56	0.67	1.1	1.03
17-Aug	0.7	8.0	2.0	5.0	3.1	31.9	765.8	0.56	1.78	1.5	2.18
18-Aug	1.1	8.0	2.0	5.0	4.3	19.2	461.5	0.54	0.69	1.0	0.93
19-Aug	1.8	9.0	3.0	6.0	5.6	21.3	511.0	0.55	0.47	1.5	0.81
20-Aug	0	10.0	3.0	6.5	5.7	33.0	792.7	0.58	0.85	0.5	-
21-Aug	0.2	8.0	3.0	5.5	6.5	31.1	746.2	0.56	-0.98	-0.4	-2.12
22-Aug	0.4	11.0	4.0	7.5	5.2	28.8	691.0	0.58	2.10	1.4	3.61
23-Aug	0.4	10.0	5.0	7.5	5.0	15.2	364.3	0.55	2.23	1.0	2.50
24-Aug	2	9.0	3.0	6.0	7.8	9.6	229.4	0.51	-1.69	1.0	0.52
25-Aug	1.1	9.0	4.0	6.5	7.4	9.8	235.9	0.52	-0.95	0.6	0.51
26-Aug	0	11.0	2.0	6.5	5.9	15.2	365.5	0.54	0.65	0.2	-
28-Aug	3.6	10.0	5.0	7.5	7.0	10.7	257.4	0.53	0.54	2.7	0.74
29-Aug	0.4	10.0	4.0	7.0	5.7	14.3	343.4	0.55	1.26	0.7	1.66
31-Aug	3.7	11.0	4.0	7.5	7.4	10.3	247.7	0.53	0.19	2.6	0.71
1-Sep	1.6	11.0	6.0	8.5	6.2	12.4	297.1	0.55	2.09	1.7	1.07
2-Sep	1.2	12.0	4.0	8.0	7.3	14.7	351.8	0.56	0.74	1.1	0.90
3-Sep	3.2	12.0	5.0	8.5	8.8	20.4	489.1	0.58	-0.38	2.1	0.65
4-Sep	1.8	12.0	4.0	8.0	6.0	25.2	604.1	0.58	1.84	2.2	1.21
5-Sep	6.4	11.0	4.0	7.5	6.0	22.2	532.3	0.57	1.47	5.1	0.80
7-Sep	-5.6	11.0	1.0	6.0	1.5	37.3	894.6	0.58	3.74	-1.3	0.24
8-Sep	0	0.0	0.0	0.0	-0.8	45.8	1098.0	0.53	0.82	0.6	-
Sum	234.3									197.9	0.84

Notes: Elake=0.7*(Epan+0.00642*P*Alpha*(0.37+0.00255*Up)*T)
P=station pressure (kilopascal), P=101.325*(1-0.00002257*Z)^5.25, Z=station elevation, Z=58 m here, P=100.6306 kpa
Alpha=fraction of advected energy (Class A Pan) used for evaporation.
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Alpha=0.35+0.01044*Tw+0.12+0.000124*(Up-322); when 322<=Up<483
Alpha=0.35+0.01044*Tw+0.14+0.000062*(Up-483); when Up>=483
Up=daily wind run across pan (km). Up=average wind speed*24
T=mean water and air temperature difference function.
T=(Tw-Ta)^0.88, when Tw>Ta; T=-[(Ta-Tw)^0.88], when Tw<Ta; T=0, when Tw=Ta
Tw=mean water temperature; Ta=mean air temperature.