

Table B.11.1
Cumberland Resources Ltd. - Meadowbank Gold Project
2002 Evaporation Pan Data

Date	Water		Rain Gauge at Pan mm	Water Temperature		Comments
	Added mm	Removed mm		Max (°C)	Min (°C)	
24-Jun-02						Pan set up at 19:45
25-Jun-02	4.78		0	17	7	Partly cloudy
26-Jun-02	5.34		0	17	4	Sunny; windy
27-Jun-02	2.2		0.2	15	4	Cloudy; windy
28-Jun-02		1.6	2.9	15	5	Rain last night; foggy most of the day; became sunny and warm
29-Jun-02	2.8		0	14	11	Mostly cloudy and some wind
30-Jun-02	2.15		0	14	6	Cloudy; calm wind
1-Jul-02	5.4		0	21	6	Sunny all day; calm wind
2-Jul-02	7.3		0	24	8	Sunny all day; calm wind; very warm
3-Jul-02	9.7		0	21	12	Sunny and windy
4-Jul-02	7.6		0	16	15	Sunny and windy
5-Jul-02		0.2	2.5	11	9	Cloudy and foggy with some showers
6-Jul-02		7.5	8	5	4	Cloudy with some showers
7-Jul-02		3.8	7	6	5	Showers in the morning; cloudy and windy
8-Jul-02	3.8		0	11	9	Mainly sunny; cloudy periods in late afternoon
9-Jul-02	1.4		0	18	6	Mostly sunny
10-Jul-02		9.2	11.4	17	7	Rain last night and during the day
11-Jul-02	5.2		0	15	6	Sunny and windy
12-Jul-02	4.3		0	15	13	Overcast
13-Jul-02						Missed day
14-Jul-02	2.6		3	15	14	Sunny in morning; overcast in afternoon
15-Jul-02	3.2		0	13	7	Cloudy; overcast
16-Jul-02	3.9		0	16	4	Sunny; breezy
17-Jul-02	0.6		1.4	15	8	Rainy and cloudy
18-Jul-02	5.2		0	14	6	Sunny and windy
19-Jul-02	3.6		3.2	8	5	Sunny and windy
20-Jul-02	4.7		0	13	4	Sunny and windy
21-Jul-02	2.5		0.4	12	4	Cloudy and windy
22-Jul-02	3.1		0	18	6	Sunny
23-Jul-02	5.9		0	20	7	Sunny
24-Jul-02						Sunny
25-Jul-02	12.5		0	25	9	Sunny; accumulated over 2 days
26-Jul-02	4		0	23	13	Sunny
27-Jul-02	2.2		3	23	10	Cloudy with some showers last night
28-Jul-02	0		0.8	23	9	Sunny; partly cloudy
29-Jul-02	2.8		0.1	17	12	Cloudy; windy
30-Jul-02		1.8	2	15	2	Some showers last night; cloudy today
31-Jul-02		1.2	2.8	16	10	Cloudy; some showers
1-Aug-02		9.9	10	14	9	Rainy
2-Aug-02		3.7	4.4	12	9	Rainy; windy
3-Aug-02	3.1		0.1	14	7	Partly cloudy; windy in AM; calm in PM
4-Aug-02	3.8		0	13	8	Partly cloudy; windy
5-Aug-02	2.8		0.1	17	9	Partly cloudy; sunny in PM
6-Aug-02		0.6	0.3	15	9	Partly cloudy; showers in PM (brief)
7-Aug-02		1.1	1.1	18	7	Cloudy in AM; showers clearing to sun in PM
8-Aug-02	2.6		0	20	9	Sunny all day
9-Aug-02	3.7		0	20	8	Sunny and windy
10-Aug-02						
11-Aug-02	5.8		1	18	12	Windy with some showers; 2 days of data
12-Aug-02		1	1.9	14	11	Fog; rain; drizzle; showers
13-Aug-02	0.8		0.8	15	10.5	Morning fog; overcast; sunny periods in afternoon
14-Aug-02	5.4		0	13	8	Windy
15-Aug-02	5.2		0	12	5	Windy and sunny periods
16-Aug-02	3.7		0	17	7	Mainly sunny and windy
17-Aug-02						Missed day
18-Aug-02	4.9		2.2	15	8	Sunny; partly cloudy; rain at night
19-Aug-02	2.5		0	16	7	Sunny and windy
20-Aug-02	5.6		0.1	13	7	Partly cloudy
21-Aug-02	1.9		0	13	6	Partly cloudy; windy
22-Aug-02	1.5		0	12	4	Partly cloudy; mild wind
23-Aug-02	0.8		0	10	3	Cool; partly cloudy
24-Aug-02		3.5	3.4	12	5	Windy; rainy
25-Aug-02	3.1		0.4	12	6	Cloudy in AM; clearing in PM
26-Aug-02	0.4		0.1	12	4	Cool; slight wind; mostly cloudy
27-Aug-02	2.6		0	15	6	Partly cloudy
28-Aug-02	2.3		0	14	4	Sunny; warm
29-Aug-02	3.3		0	12	5	Sunny; very windy
30-Aug-02		10.3	8.4	10	5	Rainy; windy
31-Aug-02						
1-Sep-02	2.75		0.2	11	6	Cloudy; sunny in late PM
2-Sep-02	2.2		0.1	8	5	Mostly cloudy; some drizzle
3-Sep-02	0.2		0.05	8	4	Partly cloudy
4-Sep-02	2.8		0.05	11	4	Partly cloudy; windy
5-Sep-02	3.6		0	9	2	Sunny; windy
6-Sep-02	1.65		0	4	2	Partly cloudy and windy
7-Sep-02						
8-Sep-02	3.6		1	15	3	Sunny with showers in afternoon (2 day data)
9-Sep-02	1.5		0	14	6	Sunny with light wind
10-Sep-02	3.7		0	12	4	Cloudy AM; sunny PM
11-Sep-02	0		0	9	4	Sunny and windy
12-Sep-02	2.7		0	8	3	Sunny with some wind
13-Sep-02	1.2		0	5	3	Mostly cloudy with light wind
14-Sep-02	1.4		0	6	2	Sunny; partly cloudy and windy
15-Sep-02						
16-Sep-02	3.3		0	7	1	Sunny (over 2 days)
17-Sep-02						Sunny and windy
18-Sep-02						Overcast and windy
19-Sep-02		10.2	9.5	6	2	Rain most of the day (3 day data)
20-Sep-02	0.8		1	3	1	Showers in AM; cloudy and windy
21-Sep-02		2.8	2	3	1	Windy; overcast with showers and light snow
22-Sep-02						Very strong winds
23-Sep-02						Pan frozen over; rain gauge removed; station shut down

Net Loss Calculated mm	Net Loss Adjusted mm	Cumulative Adjusted Loss mm
4.78	4.78	4.8
5.34	5.34	10.1
2.4	2.4	12.5
1.3	1.3	13.8
2.8	2.8	16.6
2.15	2.15	18.8
5.4	5.4	24.2
7.3	7.3	31.5
9.7	9.7	41.2
7.6	7.6	48.8
2.3	2.3	51.1
0.5	0.5	51.6
3.2	3.2	54.8
3.8	3.8	58.6
1.4	1.4	60.0
2.2	2.2	62.2
5.2	5.2	67.4
4.3	4.3	71.7
	2.8 d	74.5
5.6	2.8 d	77.3
3.2	3.2	80.5
3.9	3.9	84.4
2	2	86.4
5.2	5.2	91.6
6.8	6.8	98.4
4.7	4.7	103.1
2.9	2.9	106.0
3.1	3.1	109.1
5.9	5.9	115.0
	6.2 d	121.2
12.5	6.3 d	127.5
4	4	131.5
5.2	5.2	136.7
0.8	0.8	137.5
2.9	2.9	140.4
0.2	0.2	140.6
1.6	1.6	142.2
0.1	0.1	142.3
0.7	0.7	143.0
3.2	3.2	146.2
3.8	3.8	150.0
2.9	2.9	152.9
-0.3	-0.3	152.6
9.9	9.9	162.5
2.6	2.6	165.1
3.7	3.7	168.8
	3.4 d	172.2
6.8	3.4 d	175.6
0.9	0.9	176.5
1.6	1.6	178.1
5.4	5.4	183.5
5.2	5.2	188.7
3.7	3.7	192.4
	3.5 d	195.9
7.1	3.6 d	199.5
2.5	2.5	202.0
5.7	5.7	207.7
1.9	1.9	209.6
1.5	1.5	211.1
0.8	0.8	211.9
-0.1	-0.1	211.8
3.5	3.5	215.3
0.5	0.5	215.8
2.6	2.6	218.4
2.3	2.3	220.7
3.3	3.3	224.0
-1.9	-1.9	222.1
	1.45 d	223.5
2.95	1.5 d	225.0
2.3	2.3	227.3
0.25	0.25	227.6
2.85	2.85	230.4
3.6	3.6	234.0
1.65	1.65	235.7
	2.3 d	238.0
4.6	2.3 d	240.3
1.5	1.5	241.8
3.7	3.7	245.5
0	0	245.5
2.7	2.7	248.2
1.2	1.2	249.4
1.4	1.4	250.8
	1.6 d	252.4
3.3	1.7 d	254.1
	-0.3 d	253.8
	-0.2 d	253.6
-0.7	-0.2 d	253.4
1.8	1.8	255.2
-0.8	-0.8	254.4

blank = Not recorded.
d = Accumulated data distributed over accumulation period.

Table B.11.2
Cumberland Resources Ltd. - Meadowbank Gold Project
2003 Evaporation Pan Data

Date	Water		Rain Gauge at Pan mm	Water Temperature		Comments
	Added mm	Removed mm		Max (°C)	Min (°C)	
1-Jun-03						
2-Jun-03						
3-Jun-03						
4-Jun-03						
5-Jun-03						
6-Jun-03						
7-Jun-03						
8-Jun-03						
9-Jun-03						
10-Jun-03						
11-Jun-03						
12-Jun-03						
13-Jun-03						
14-Jun-03						
15-Jun-03						
16-Jun-03						
17-Jun-03						
18-Jun-03	2.5	0	0.4	11	4	wind from north, sunny with scattered cloud
19-Jun-03	5.9	0	0	11	0	wind from north, sunny with scattered cloud
20-Jun-03	2.9	0	0	8.5	2	wind from north, sunny with scattered cloud
21-Jun-03	2.9	0	0	13.5	4.5	sunny thin scattered clouds, no wind
22-Jun-03	4.6	0	0	16	7.5	sunny thin scattered clouds, light wind
23-Jun-03	0.2	0	4.5	17	5	rain light wind
24-Jun-03	0.8	0	1.2	9	4.5	sunny with clouds light rain, wind from NW
25-Jun-03	4.5	0	0.3	10	1	sunny, few clouds, wind from north
26-Jun-03	4.1	0	0	13	4.5	sunny, few clouds, light wind
27-Jun-03	5.6	0	0	15.5	4	sunny, scattered clouds, light wind
28-Jun-03	5.2	0	0	18	7.5	cloudy wind from south east
29-Jun-03	4	0	0	14	5	cloudy wind from north east
30-Jun-03	0.4	0	1.8	11	5	cloudy wind from north
1-Jul-03	3.8	0	0	13	4.5	sunny scattered cloud, wind from north
2-Jul-03	4.6	0	0	14	6.5	cloudy, wind from south east
3-Jul-03	3.1	0	0	12	4.5	sunny wind from south east
4-Jul-03	4.8	0	0	16	5	sunny light wind
5-Jul-03	5.5	0	0	17	9	sunny light wind, 15C
6-Jul-03	4	0	0	21	11.5	sunny no wind
7-Jul-03	4	0	0	23	11	overcast
8-Jul-03	7.6	0	0	18	12	sunny light wind
9-Jul-03	0	4.8	9.4	21	8	rain all night and early morning, partly cloudy, wind all day
10-Jul-03	4.5	0	0	15	7	
11-Jul-03	0	1.9	4.4	15	7	rain overcast fog with cool temp
12-Jul-03	0	0.8	3.2	11	6	rain overcast fog with cool temp
13-Jul-03	0	1.9	23.2	7	4	Heavy rain, high winds, nasty
14-Jul-03	0	0	3.4	14	6	sunny cloudy high winds rain yesterday and last night
15-Jul-03	7.8	0	0	16	7	partly cloudy, high winds past 24 hr
16-Jul-03	4.9	0	0	17	7	partly cloudy.
17-Jul-03	4.2	0	0	19	11	hot sunny windy (20 C +)
18-Jul-03	7.6	0	0	22	13	hot sunny windy (20 C +)
19-Jul-03	5.8	0	0	22	13	hot sunny windy (20 C +)
20-Jul-03	6.9	0	0	16	10	hot sunny windy (20 C +)
21-Jul-03	4.2	0	0	20	10	cloudy periods, wind
22-Jul-03	6.8	0	0	20	13	sunny cool wind
23-Jul-03	4.7	0	0	20	11	cloudy periods, calm
24-Jul-03	4.7	0	0	24	14	warm and calm
25-Jul-03	6	0	0	26	12	overcast, warm windy
26-Jul-03	7.4	0	0	19	12	warm light wind
27-Jul-03	4.1	0	0	28	15	hot light wind
28-Jul-03	7.4	0	0	24	15	hot and windy
29-Jul-03	6.5	0	0	26	14	hot and windy
30-Jul-03	4.4	0	2	20	10	warm and windy
31-Jul-03	5.2	0	0	18	14	windy overcast light rain
1-Aug-03	3.1	0	0	11	5	cool light wind
2-Aug-03	4.6	0	0	18	10	windy
3-Aug-03	7.1	0	0	20	14	windy
4-Aug-03						Missed Day
5-Aug-03	3.8	0	3.2	19	9	wind and rain
6-Aug-03	3.9	0	0	15	6	wind
7-Aug-03	0	2.7	3.8	16	11	rain
8-Aug-03	2.4	0	0	24	11	
9-Aug-03	4.8	0	0.4	24	9	windy and cool
10-Aug-03	3.2	0	0.3	11	5	cold and windy
11-Aug-03	4.8	0	0	15	10	
12-Aug-03	1.8	0	0	18.5	9.5	cool and cloudy
13-Aug-03	0	1.8	2.7	15.5	7	sunny with scattered clouds
14-Aug-03	1.8	0	2.1	20	11	cloudy and wind
15-Aug-03	5.2	0	0	24	4	sunny with wind
16-Aug-03	0	0	0	27	9	overcast and sunny
17-Aug-03	0	1.8	5.2	18	14	overcast
18-Aug-03	0	1.8	2.8	15	9	overcast and windy
19-Aug-03	4.8	0	0	21	4	sunny
20-Aug-03	3.4	0	0	19	8	overcast
21-Aug-03	4.4	0	0	18	5	cool and clear
22-Aug-03	2	0	0	17	6	cool and clear
23-Aug-03	4.1	0	0	15	5	cool and clear
24-Aug-03	5.5	0	0	13	4	cold and windy
25-Aug-03	3.4	0	0	9	4	cold and light winds
26-Aug-03	3.6	0	0	9	4	cold and moderate winds
27-Aug-03	0.2	0	0	6	4	cold and moderate winds
28-Aug-03	2.8	0	0	8	4	cold and windy
29-Aug-03	0	0.4	1.2	7	5	cold and windy
30-Aug-03	0	0	1.4	9	6	cold rain light wind
31-Aug-03	1.4	0	0	6	5	cold overcast wind
1-Sep-03	1.4	0	0	10	5	clear with minimal wind
2-Sep-03	1.9	0	0	14	3	cool and clear
3-Sep-03	4.6	0	0	16	6	clear and warm
4-Sep-03						Missed Day
5-Sep-03	0	0.2	3	12	8	cold and windy
6-Sep-03	2.05	0	0.2	8.5	5	warm and light wind
7-Sep-03	0.6	0	0	12	5	clear and warm
8-Sep-03	1.8	0	0	14	6	clear and warm
9-Sep-03						Missed Day
10-Sep-03	0	4	6	14	6	cold and rainy
11-Sep-03	0	11.4	12	9	4	cold with rain
12-Sep-03	0	0	2	9	3	cold with rain
13-Sep-03	0	0	0	8	3	sunny light wind cool
14-Sep-03	3.6	0	0	8	5	scattered clouds, sunny warm, breeze 10 - 15 km/h
15-Sep-03	0	0	0	6	6	overcast cool with light wind
16-Sep-03	0	0	0	2	1	windy, broken cloud, cold, 2-3 mm ice on evap pan
17-Sep-03	0	0	0	3	1	overcast, cold, 1 cm of ice on water

blank = Not recorded.
d = Accumulated data distributed over accumulation period.

Table B.11.3
Cumberland Resources Ltd. - Meadowbank Gold Project
2004 Evaporation Pan Data

Date	Water		Rain Gauge at Pan mm	Water Temperature		Comments
	Added mm	Removed mm		Max (°C)	Min (°C)	
23-Jun-04	0.35	0	0.2	10	1	Station Started @ 10:00 light rain in am, sunny > 6 PM
24-Jun-04	4.2	0	0	14.5	4	Sunny windy, N30
25-Jun-04	5.9	0	0	17	4.5	Sunny AM, N20
26-Jun-04	4.55	0	0	15.5	6	Sunny AM, overcast and windy PM, wind S (am) N (pm)
27-Jun-04	5.5	0	0	21	6	Sunny calm (AM), breezy (PM)
28-Jun-04	0	0.9	5.3	17.5	5.5	Rain in the afternoon - eve
29-Jun-04	2.8	0	0.2	14	3	Partly sunny
30-Jun-04	3.8	0	0.7	14	5	Windy, cool light rain in am
1-Jul-04	0	1.8	2.2	8	3	
2-Jul-04	0.8	0	2	10	2	windy, light rain, sunny breaks
3-Jul-04	0.8	0	0.2	10	3	windy, rain showers
4-Jul-04	1.2	0	0	11	3	warm sunny all day
5-Jul-04	12.8	0	0	12	3	cold, windy, in AM, warm sunny in PM
6-Jul-04	2	0	0	18	8	calm, warm all day, slight breeze
7-Jul-04	3.8	0	0	21	8	very warm, no wind
8-Jul-04	3.4	0	0	20	10	cold, windy, in AM, warmer with light wind in PM
9-Jul-04	4.4	0	0.2	21	9	warm and calm AM, warm and windy PM
10-Jul-04	4.8	0	0	21	9	warm windier in afternoon hazy
11-Jul-04	7.9	0	0	21	8	warm light breeze sunny
12-Jul-04	3.8	0	0.6	22	11	warm and calm
13-Jul-04						MISSED DAY
14-Jul-04	7.3	0	0	23	9	cool windy AM / warmer windy PM, sun in PM
15-Jul-04	3.2	0	0	12	7	cold windy all day
16-Jul-04	2.8	0	0	15	5	cold windy all day
17-Jul-04	3.2	0	0	16	4	cold windy AM / warm in PM
18-Jul-04	3.8	0	0	14	3	cold windy
19-Jul-04	1.6	0	0.4	13	2	cool, windy in AM/ calm in PM
20-Jul-04	1.2	0	0	12	4	cool windy,
21-Jul-04						MISSED DAY
22-Jul-04	6.7	0	2.7	12	4	cool windy
23-Jul-04	6.1	0	0	13	5	cool windy
24-Jul-04	5.8	0	0	14	3	cool windy
25-Jul-04	1.75	0	0	18	6	warm, light wind
26-Jul-04	4.6	0	0	18	6	warm, light wind
27-Jul-04	5.2	0	0	16	11	
28-Jul-04						MISSED DAY
29-Jul-04	8.8	0	0	20	11	warm, light wind
30-Jul-04	7.2	0	0	20	10	
31-Jul-04	8.9	0	0	22	10	warm, light wind
1-Aug-04	5.3	0	0	22	9	warm, light wind
2-Aug-04	5.5	0	0	22	12	warm, light wind
3-Aug-04						MISSED DAY
4-Aug-04	7.1	0	4.1	21	11	
5-Aug-04	2.2	0	0	12	4	cold, windy
6-Aug-04	1.2	0	0.8	10	4	cold, windy
7-Aug-04	2.1	0	0.3	10	6	cold, windy
8-Aug-04	1.5	0	0	11	6	cool, breezy
9-Aug-04	1.8	0	0	14	9	cold, windy
10-Aug-04	3.1	0	0	10	4	cold, windy
11-Aug-04	3.2	0	0	12	7	cool, breezy
12-Aug-04	1.7	0	1.6	11	10	cold, windy
13-Aug-04						MISSED DAY
14-Aug-04						MISSED DAY
15-Aug-04	0.9	0	4.4	14	5	cold, windy, (rain all in last 24 hours)
16-Aug-04	0	0.9	2	7	4	Cold, almost snowing
17-Aug-04	0	1.5	2.2	8	2	
18-Aug-04	0	1.9	3	8	2	frequent showers, wind all day
19-Aug-04	1.8	0	0	9	3	cool and overcast
20-Aug-04	0	0	0	10	3	cold, breezy
21-Aug-04	0	0	0.2	8	3	cool windy
22-Aug-04	0	0	0.4	11	4	
23-Aug-04	0	0	0.4	10	5	cool in AM, rain in PM
24-Aug-04	0	0	2	9	3	rain showers, cool
25-Aug-04	0	0	1.1	9	4	rainshowers, cold, wind, overcast
26-Aug-04	0	0	0	11	2	cool in AM, warmer in PM
27-Aug-04						MISSED DAY
28-Aug-04	0	1.6	5.2	10	5	
29-Aug-04	0	0.8	1.2	10	4	
30-Aug-04						MISSED DAY
31-Aug-04	3.3	0	0.4	11	4	
1-Sep-04	0	1	2.6	11	6	Cool, breezy, windy
2-Sep-04	0.8	0	0.4	12	4	Cool, breezy, windy
3-Sep-04	3.2	0	0	12	5	Cool, breezy, windy
4-Sep-04	1.8	0	0	12	4	cool and windy
5-Sep-04	0	3.4	9.8	11	4	
6-Sep-04						MISSED DAY
7-Sep-04	0	6.8	1.2	11	1	cold, snow, 50 km/hr winds
8-Sep-04	0	0	0	0	0	cold, snow, 50 km/hr winds - PAN ICED OVER
9-Sep-04						Readings Stopped - Pan Shut Down

Net Loss Calculated mm	Net Loss Adjusted mm	Cumulative Adjusted Loss mm
4.2	4.2	4.2
5.9	5.9	10.1
4.6	4.6	14.7
5.5	5.5	20.2
4.4	4.4	24.6
3	3	27.6
4.5	4.5	32.1
0.4	0.4	32.5
2.8	2.8	35.3
1	1	36.3
1.2	1.2	37.5
12.8	12.8	50.3
2	2	52.3
3.8	3.8	56.1
3.4	3.4	59.5
4.6	4.6	64.1
4.8	4.8	68.9
7.9	7.9	76.8
4.4	4.4	81.2
	3.7 d	84.8
7.3	3.7 d	88.5
3.2	3.2	91.7
2.8	2.8	94.5
3.2	3.2	97.7
3.8	3.8	101.5
2	2	103.5
1.2	1.2	104.7
	4.7 d	109.4
9.4	4.7 d	114.1
6.1	6.1	120.2
5.8	5.8	126.0
1.8	1.8	127.7
4.6	4.6	132.3
5.2	5.2	137.5
	4.4 d	141.9
8.8	4.4 d	146.3
7.2	7.2	153.5
8.9	8.9	162.4
5.3	5.3	167.7
5.5	5.5	173.2
	5.6 d	178.8
11.2	5.6 d	184.4
2.2	2.2	186.6
2	2	188.6
2.4	2.4	191.0
1.5	1.5	192.5
1.8	1.8	194.3
3.1	3.1	197.4
3.2	3.2	200.6
3.3	3.3	203.9
	1.8 d	205.7
	1.8 d	207.4
5.3	1.8 d	209.2
1.1	1.1	210.3
0.7	0.7	211.0
1.1	1.1	212.1
1.8	1.8	213.9
0	0	213.9
0.2	0.2	214.1
0.4	0.4	214.5
0.4	0.4	214.9
2	2	216.9
1.1	1.1	218.0
0	0	218.0
	1.8 d	219.8
3.6	1.8 d	221.6
0.4	0.4	222.0
	1.9 d	223.9
3.7	1.9 d	225.7
1.6	1.6	227.3
1.2	1.2	228.5
3.2	3.2	231.7
1.8	1.8	233.5
6.4	6.4	239.9
	-2.8 d	237.1
-5.6	-2.8 d	234.3

blank = Not recorded.
d = Accumulated data distributed over accumulation period.