

APPENDIX E

2004 SNOW SURVEY DATA SHEETS

AMEC Earth & Environmental

Snow Survey Notes

Transect #: 1
 Waypoint: 3 To Waypoint: 1S
 Drainage Basin: 3PL
 Party: AMC, Larry Mannik, Kevin Martee
 Date of Survey: 22-May-04 Began: 915 Ended: 1158

Sta. (m)	Depth of Snow		Weight of Tube & Core (in)	Weight Empty Tube (in)	Water Equiv (in)	Density (%)	Slope (%)	Notes
	Snow Probe (in)	Core Length (in)						
0	8.75	6.3						2 tubes
10	4.0							+Thread Saver
20	4.75							+Driving wrench
30	7.75	5.1						
40	5.75							
50	1.75							
60	5.0	5.1	35.5	29	6.5	39.3%		overcast, snowing and windy from N
70	8.5							
80	6.5							
90	6.0	5.1						
100	3.25							
110	2.0							
120	1.25							
130	5.0	4.3	33	29	4	42.3%		
140	1.5							
150	2.0							
160	0.25							
170	6.5	3.5						
180	1.0							
190	0.5							
200	2.0							
210	1.75							
220	2.75							
230	0.0							
240	1.0							
250	2.0							
260	1.0							
270	6.0	5.5						
280	4.0							
290	1.75							
300	5.25	5.1	34	29	5	35.3%		
310	6.75							
320	0.25							
330	30.5	28.3	39.5	29	10.5	37.1%		
340	32.5							
350	89.5							
360	100	98.0	123	70	53	54.1%		4 tubes +TS +DW
370	120							
380	85.5							
390	92.5							
400	90.0	94.5	110.5	70	30.5	32.3%		
410	65.5							
420	31.5							
430	40.0							
440	12.0	11.4	34	29	5	43.9%		
450	20.5							
460	11.5							
470	13.25							
480	9.0	9.4	32.5	29	3.5	37.2%		lake ice
490	10.25							
500	9.0							
510	3.25							
520	3.0							
530	6.75	7.1						
540	6.0	6.7	34.5	29	5.5	39.9%		WP 'A1S'

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Snow Survey Notes

Transect #: 2E
Waypoint: 2E **To Waypoint:** 2W
Drainage Basin: 3PL
Party: AMC, Larry Mannik, Kevin Martee
Date of Survey: 22-May-04 **Began:** 1535 **Ended:** 1745

Sta. (m)	Depth of Snow		Weight of Tube & Core (in)	Weight Empty Tube (in)	Water Equiv (in)	Density (%)	Slope (%)	Notes
	Snow Probe (in)	Core Length (in)						
0	0							
10	2.75							
20	7.75	7.5	35	29	6	37.2%		
30	0.25							
40	8.5							
50	17.25	8.7						
60	6.25							
70	6.5							
80	4.0	3.9	34	29	5	28.9%		
90	0							
100	0							
110	4.0	3.5						
120	8.75							
130	2.75							
140	11.25	9.8						2 tubes +TS +DW
150	0.25							
160	1.75							
170	0.25							
180	4.0							
190	0							land
200	19.75							
210	77.0	65.7	76	46	30	45.7%		3 tubes +TS +DW
220	62.0							lake ice
230	34.0							
240	26.5	26.8	40	29	11	41.1%		
250	22.0							
260	13.0							
270	10.5	10.6	33.5	29	4.5	42.3%		
280	9.5							
290	7.5							lake ice
300	13.5	13.0	34	29	5	38.5%		2 tubes+TS +DW

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Snow Survey Notes

Transect #: 2W
 Waypoint: 2 To Waypoint: 2W
 Drainage Basin: 3PL
 Party: AMC, Larry Mannik, Kevin Martee
 Date of Survey: 22-May-04 Began: 1535 Ended: 1745

Sta. (m)	Depth of Snow		Weight of Tube & Core (in)	Weight Empty Tube (in)	Water Equiv (in)	Density (%)	Slope (%)	Notes
	Snow Probe (in)	Core Length (in)						
0	0							
10	0							
20	0.5							
30	4.75	4.3						top of hill
40	18.5							
50	7.5							
60	12.75	7.5						
70	17.0							
80	19.75							
90	11.5	11.4	37	29	8	34.4%		
100	3.25							
110	12							
120	10.25	7.9						
130	1.5							
140	9.5							
150	46.0	42.1	50	29	21	42.0%		
160	16.25							
170	5.75							
180	0.5							
190	1.5							plateau
200	1.75							
210	3.0	2.8						
220	4.0							
230	2.25							
240	1.0							
250	16.5	8.7						
260	11.5							
270	8.25							
280	12.5	11.4	36.5	29	7.5	32.8%		bend
290	9.0							
300	33.75							
310	32.0	31.1	41.5	29	12.5	40.2%		
320	10.25							
330	7.5							
340	16.25	13	34.5	29	5.5	42.3%		
350	13.75							
360	13.75							
370	7.75	5.51						
380	17.5							
390	24.0							
400	20.75	19.3	37.5	29	8.5	34.3%		
410	18.5							
420	19.75							ice
430	11.5	11.8	33.5	29	4.5	38.1%		
440	8.5							

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Snow Survey Notes

Transect #: 3E
 Waypoint: 3 To Waypoint: 3E
 Drainage Basin: 3PL
 Party: AMC, Larry Mannik, Kevin Martee
 Date of Survey: 22-May-04 Began: 1415 Ended: 1500

Sta. (m)	Depth of Snow		Weight of Tube & Core (in)	Weight Empty Tube (in)	Water Equiv (in)	Density (%)	Slope (%)	Notes
	Snow Probe (in)	Core Length (in)						
0	8.75							
10	3.25							
20	4.25							
30	9.5	7.0						
40	2.0							
50	4.5							
60	3.5	4.3						
70	5.0							
80	4.0							
90	0.25							
100	2.25							
110	6.25	4.0	35	29	6	39.3%		
120	5.75							
130	11.5							
140	13.0	10.6	33.5	29	4.5	42.5%		
150	16.0							
160	24.5							
170	26.25	25.2	40	29	11	43.7%		
180	35.25							
190	33.5							
200	26.0	26.4	41	29	12	45.5%		
210	38.75							
220	16.5							
230	14.75	12.6	34	29	5	39.7%		
240	28.0							
250	27.25							
260	19.0	16.1	36	29	7	43.5%		
270	23.25							
280	15.5							
290	18.5	14.6	35	29	6	41.1%		
300	32.0							
310	22.25	20.1	37.5	29	8.5	42.3%		lake ice
320	19.5							
330	9.5							
340	8.0	6.3						
350	11.75							
360	7.75							
370	8.75	8.7	36	29	7	46.7%		

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Snow Survey Notes

Transect #: 3W
Waypoint: 3 **To Waypoint:** 3W
Drainage Basin: 3PL
Party: AMC, Larry Mannik, Kevin Martee
Date of Survey: 22-May-04 **Began:** 1310 **Ended:** 1400

Sta. (m)	Depth of Snow		Weight of Tube & Core (in)	Weight Empty Tube (in)	Water Equiv (in)	Density (%)	Slope (%)	Notes
	Snow Probe (in)	Core Length (in)						
0	8.75							2 tubes + TS + DW
10	8.5							
20	4.0							Lt snow, 20 - 40 kph
30	8.0	6.0						wind
40	2.5							
50	3.0							
60	7.5	6.3						
70	10							
80	3.5							
90	1.0							
100	16.0	11.8	37.5	29	8.5	35.4%		
110	6.0							
120	7.5							
130	14.5							
140	17.5	14.2	34.5	29	5.5	38.7%		
150	19.5							
160	6.75							
170	6.75							
180	15.5	12.6	33.5	29	4.5	35.7%		
190	34.5							
200	24.0							
210	15.0							
220	9.5	7.1	32.5	29	3.5	49.3%		
230	7.75							
240	5.5							
250	1.0							
260	7.0	5.5						
270	17.0							
280	16.5							
290	21.5	17.7	38.5	29	9.5	40.9%		
300	24.5							
310	16.0							
320	16.5	10.6	33	29	4	37.7%		
330	9.5							
340	12.0							
350	9.5							
360	21.75	13.6	34.5	29	5.5	40.4%		
370	13.5							
380	25.0							

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Snow Survey Notes

Transect #: 4
Waypoint: 4S **To Waypoint:** 4N
Drainage Basin: 3PL
Party: AMC, Larry Mannik, Kevin Martee
Date of Survey: 23-May-04 **Began:** 830 **Ended:** 915

Sta. (m)	Depth of Snow		Weight of Tube & Core (in)	Weight Empty Tube (in)	Water Equiv (in)	Density (%)	Slope (%)	Notes
	Snow Probe (in)	Core Length (in)						
0	10.25	9	32.5	29	3.5	38.9%		
10	2.5							
20	1.75							
30	4.75	4.25	33.5	29	4.5	35.9%		
40	2.25							
50	2.75	4.3						
60	1.25							
70	2.25							
80	3.0	4						
90	4.25							
100	12.75							
110	16.25	15.4	35.5	29	6.5	42.2%		
120	11.5							
130	21.0							
140	26.5	21.7	37.5	29	8.5	39.2%		
150	1.0							
160	10.75							
170	39.75							
180	42.25	45.6	50	29	21	46.1%		
190	40.0							
200	37.25							
210	36.5	33.5	41	29	12	35.8%		
220	30.5							
230	23.0							
240	20.5	19.75	36.5	29	7.5	38.0%		
250	17.5							
260	19.75							
270	8.75	8.25	32.5	29	3.5	42.4%		

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Snow Survey Notes

Transect #: 5
 Waypoint: 56 To Waypoint: 5W
 Drainage Basin: 3PL
 Party: AMC, Larry Mannik, Kevin Martee
 Date of Survey: 23-May-04 Began: 1020 Ended: 1110

Sta. (m)	Depth of Snow		Weight of Tube & Core (in)	Weight Empty Tube (in)	Water Equiv (in)	Density (%)	Slope (%)	Notes
	Snow Probe (in)	Core Length (in)						
0	5.0							2 tubes +TS + DW
10	7.5	9						snowing
20	0.5							
30	1.5							
40	4.0	4.25						
50	0							
60	5.5							
70	16.5	12.6	40	29	11	42.6%		
80	2.0							
90	6.25							
100	9.25	8.7	32	29	3	34.5%		
110	4.25							
120	28.0	22.4	34	29	5	22.3%		
130	8.25							
140	2.25							
150	8.25	6.7						
160	0.5							ridge crest
170	35.0							
180	74.0	66.1	72.5	45	27.5	37.8%		3 tubes +TS + DW
190	101.0							
200	62.25							
210	33.0	33.5	44.5	29	15.5	46.3%		
220	27.5							
230	20.25							
240	15.0	15.4	35.5	29	6.5	42.2%		
250	4.5							lake ice
260	4.25							
270	5.5	5.5						
280	2.25							
290	14.5	14.5	38.5	29	9.5	47.5%		

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Snow Survey Notes

Transect #: 6
 Waypoint: 56 To Waypoint: 6N
 Drainage Basin: 3PL
 Party: AMC, Larry Mannik, Kevin Martee
 Date of Survey: 23-May-04 Began: 1315 Ended: 1415

Sta. (m)	Depth of Snow		Weight of Tube & Core (in)	Weight Empty Tube (in)	Water Equiv (in)	Density (%)	Slope (%)	Notes
	Snow Probe (in)	Core Length (in)						
0	5.0							
10	0.25							
20	2.25							
30	4.25	4						
40	13.0							
50	3.0							
60	3.0	3.75						
70	0							
80	4.25							
90	17.5	18	38	29	9	35.0%		
100	15.5							
110	5.75							
120	1.75	1.75						
130	2.25							
140	5.75							
150	2.5	5						
160	0							
170	3.0							
180	1.25	3						
190	2.25							
200	8.25							
210	1.25	1.5						
220	0.25							
230	0.75							
240	0.75							
250	0							
260	4.5	3	33	29	4	28.1%		
270	12.5							
280	0.5							
290	4.0	2.75						
300	17.5							
310	59.0							
320	50.5	48.4	51	29	22	43.0%		
330	49.0							
340	23.0							
350	46.5	41.3	46	29	17	41.2%		
360	60.5							
370	88.5							
380	62.5	63	71	45	26	41.3%		3 tubes +TS + DW
390	48.0							
400	41.0							3 tubes +TS + DW
410	26.25	26.8	58.5	45	13.5	50.4%		lake ice
420	26.5							
430	20.0							
440	18.5	19.25	36.5	29	7.5	39.0%		
450	16.75							
460	17.75							
470	14.25	14.25	35	29	6	42.1%		
480	6.0							
490	5.5							
500	2.75	2.75						
510	6.5	5.9	33.5	29	4.5	52.0%		

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Snow Survey Notes

Transect #: 7
Waypoint: 789 **To Waypoint:** 7S
Drainage Basin: 2PL
Party: AMC, Larry Mannik, Kevin Martee
Date of Survey: 24-May-04 **Began:** 1045 **Ended:** 1130

Sta. (m)	Depth of Snow		Weight of Tube & Core (in)	Weight Empty Tube (in)	Water Equiv (in)	Density (%)	Slope (%)	Notes
	Snow Probe (in)	Core Length (in)						
0	10.5							
10	2.0							
20	5.25							
30	10.25	6.3						
40	0							
50	8.0							
60	3.0	3.5						
70	41.75							
80	30.0							
90	13.75	11.4	37	29	8	37.7%		
100	8.25							
110	1.5							
120	9.5	4.7						
130	6.75							
140	13.5							
150	5.0	4.0						
160	2.75							
170	1.25							
180	0							
190	2.5							
200	17.0	15.4	39.5	29	10.5	43.6%		
210	9.5							
220	10.5							
230	13.0	10.3	33	29	4	39.0%		
240	11.75							
250	7.75							
260	8.25							
270	8.0	7.9						
280	12.75							
290	4.0							
300	17.5							
310	15.5	16.0	37.5	29	8.5	35.6%		
320	23.0							
330	17.75							
340	21.5	22.0	38	29	9	40.9%		
350	5.5							
360	5.5							
370	0							
380	0.5							

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Snow Survey Notes

Transect #: 8
 Waypoint: 789 To Waypoint: 8S
 Drainage Basin: 2PL
 Party: AMC, Larry Mannik, Kevin Martee
 Date of Survey: 24-May-04 Began: 850 Ended: 1010

Sta. (m)	Depth of Snow		Weight of Tube & Core (in)	Weight Empty Tube (in)	Water Equiv (in)	Density (%)	Slope (%)	Notes
	Snow Probe (in)	Core Length (in)						
0	10.5	9.0	31.5	29	2.5	27.8%		
10	3.25							
20	7.25							
30	2.75	1.3						
40	2.0							
50	2.0							
60	3.0	2.7						
70	2.25							
80	2.0							
90	6.0	3.5						
100	0							
110	2.0							
120	2.5	1.8						
130	1.5							
140	2.75							
150	2.0	5.5	34.5	29	5.5	37.4%		
160	5.0							
170	9.25							
180	3.0	3.5						
190	14.25							
200	11.5							
210	16.25	16.1	38.5	29	9.5	48.5%		hard snow
220	22.5							
230	14.0							
240	18.5	20.0	36.5	29	7.5	37.5%		
250	24.75							
260	14.5							
270	21.5	16.5	36.5	29	7.5	45.5%		
280	14.0							
290	28.0							
300	29.0	21.3	37	29	8	37.6%		
310	34.5							
320	6.75							
330	23.5	20.9	38	29	9	43.1%		
340	5.75							
350	16.75							
360	12.0	11.0	33.5	29	4.5	40.9%		
370	7.75							
380	4.0							
390	7.0							
400	4.75	4.0						
410	11.25							
420	12.0							
430	5.0	4.0						
440	8.5							
450	11.75							
460	7.75	8.7	35.5	29	6.5	38.9%		
470	48.25							
480	41.75							
490	32.25	33.5	42	29	13	38.8%		
500	49.25							
510	51.75							
520	62.5	57.1	70	45	25	43.8%		3 tubes + TS + DW
530	57.0							
540	43.75							ice
550	26.5	27.6	41	29	12	43.5%		2 tubes + TS + DW
560	14.25							
570	12.0							
580	6.25	6.3						
590	9.25							
600	5.5							
610	4.0	4.3	32.5	29	3.5	33.2%		

AMEC Earth & Environmental

Snow Survey Notes

Transect #: 9
Waypoint: 789 **To Waypoint:** 9E
Drainage Basin: 2PL
Party: AMC, Larry Mannik, Kevin Martee
Date of Survey: 24-May-04 **Began:** 1310 **Ended:** 1630

Sta. (m)	Depth of Snow		Weight of Tube & Core (in)	Weight Empty Tube (in)	Water Equiv (in)	Density (%)	Slope (%)	Notes
	Snow Probe (in)	Core Length (in)						
0	10.5							
10	1.0							
20	3.5							
30	1.25	2.5						
40	3.75							
50	1.0							
60	2.5	2.7						
70	9.0							
80	2.0							
90	7.25	5.1						
100	4.25							
110	0.5							
120	1.75	6.7	34.5	29	5.5	32.4%		
130	0.5							
140	3.75							
150	6.5	5.9						
160	3.5							
170	8.0							
180	3.0	2.75						
190	3.5							
200	5.5							
210	4.75	5.5						
220	4.25							
230	8.25							
240	8.0	7	36.5	29	7.5	35.5%		
250	4.0							
260	18.25							
270	40.5	33	45	29	16	48.5%		
280	31.0							
290	20.75							
300	13.5	13	35.5	29	6.5	50.0%		
310	21.75							
320	14.75							
330	16.75	14.5	34.5	29	5.5	37.9%		
340	17.25							
350	10.5							
360	8.75	7						
370	17.0							
380	11.5							
390	28.0	24.4	42	29	11	35.0%		
400	25.0							
410	14.25							ice
420	13.0	14.1	34.5	29	5.5	39.0%		
430	8.25							
440	12.0							
450	4.0	4						
460	1.5							
470	4.5	5.1	32.5	29	3.5	38.5%		

AMEC Earth & Environmental

Snow Survey Notes

Transect #: 10
 Waypoint: 10S To Waypoint: 10N
 Drainage Basin: 2PL
 Party: AMC, Larry Mannik, Kevin Manee
 Date of Survey: 24-May-04 Began: 1505 Ended: 1630

Sta. (m)	Depth of Snow		Weight of Tube & Core (in)	Weight Empty Tube (in)	Water Equiv (in)	Density (%)	Slope (%)	Notes
	Snow Probe (in)	Core Length (in)						
0	6.75							
10	5.5							
20	2.25	5.5						
30	12.75							
40	1.0							
50	2.25							
60	9.75	9						
70	0.25							
80	3.25							
90	7.0	8.6	36	29	7	30.3%		
100	10.25							
110	75.75							
120	38.5	36.6	45.5	29	16.5	45.1%		
130	12.75							
140	4.75							
150	2.5	3.5						
160	1.0							
170	2.75							
180	3.0	4.7						
190	7.75							
200	8.25							
210	5.0	4.3						
220	4.75							
230	8.75							
240	4.5	4	34	29	5	30.3%		
250	6.25							
260	4.75							
270	9.0	7.5						
280	8.0							
290	18.5							
300	18.0	14.5	36.5	29	7.5	34.1%		
310	16.5							
320	12.75							
330	24.0							
340	29.75	22.8	38	29	9	39.5%		
350	19.25							
360	12.0							
370	14.25							
380	11.0							
390	12.0	11	34	29	5	45.5%		
400	14.5							
410	14.75							
420	8.75	7						
430	7.75							
440	7.5							
450	13.5	10.25	35.5	29	6.5	37.7%		
460	11.25							
470	11.75							
480	10.5	6.5						
490	7.75							
500	8.0							
510	18.75	17.3	38	29	9	37.8%		
520	19.75							
530	18.5							
540	11.25	11	32.5	29	3.5	31.8%		
550	11.5							
560	9.75							
570	4.5	4.3						
580	5.25							
590	10.25							
600	13.0	10.2	35	29	6	41.4%		
610	18.25							
620	13.5							
630	13.0	11.8	34	29	5	42.4%		
640	13.5							
650	18.0							
660	18.75	16.1	35.5	29	6.5	40.4%		
670	20.25							
680	16.0							
690	10.75	9.5	33.5	29	4.5	47.4%		
700	2.75							
710	2.5							
720	2.5							
730	0							
740	1.0							
750	1.0							

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Snow Survey Notes

Transect #: 11
 Waypoint: 11SE To Waypoint: 11NW
 Drainage Basin: 3PL
 Party: AMC, Larry Mannik, Kevin Martee
 Date of Survey: 23-May-04 Began: 1520 Ended: 1745

Sta. (m)	Depth of Snow		Weight of Tube & Core (in)	Weight Empty Tube (in)	Water Equiv (in)	Density (%)	Slope (%)	Notes
	Snow Probe (in)	Core Length (in)						
0	0							
10	5.5	4.75						2 tubes + TS + DW
20	12.0							
30	19.25							cornice
40	75.0	76	80	45	35	43.3%		3 tubes + TS + DW
50	54.5							
60	44.0							
70	17.25	14.1	35.5	29	6.5	46.1%		2 tubes + TS + DW
80	3.0							
90	0							
100	0.25							
110	4.25	5						
120	3.25							
130	0.25							
140	1.25							
150	14.5	13	36	29	7	38.9%		2 tubes + TS + DW
160	33.0							
170	8.5							
180	5.75	5.1						
190	5.25							
200	9.75							
210	8.0	5.5						
220	38.75	36.6	47	29	18	38.1%		2 tubes + TS + DW
230	75.75							
240	88.75							
250	81.0	80.71	78.5	45	33.5	41.5%		3 tubes + TS + DW
260	84.5							
270	82.75							
280	75.75	73.6	79.5	45	34.5	46.9%		3 tubes + TS + DW
290	85.0							
300	68.75							
310	37.5	37.4	61	45	16	42.8%		3 tubes + TS + DW
320	25.75							
330	15.75							
340	2.5	2.7						
350	2.25							
360	2.5							
370	2.5	5.90						
380	6.75							
390	5.0							
400	3.0	3.1	33.5	29	4.5	38.5%		2 tubes + TS + DW
410	1.0							
420	2.0							
430	3.25	4.5						
440	0							
450	2.75							
460	5.25	4.5						
470	9.0							
480	7.0							
490	1.5							
500	3.0	2.75						
510	8.0							
520	0							
530	1.75	4.25	34.5	29	5.5	34.4%		2 tubes + TS + DW
540	4.0							
550	4.75							
560	0							
570	0							

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Snow Survey Notes

Transect #: 12SW
 Waypoint: 2PL To Waypoint: 12SW
 Drainage Basin:
 Party: AMC, Larry Mannik, Kevin Martee
 Date of Survey: 25-May-04 Began: 1355 Ended: 1530

Sta. (m)	Depth of Snow		Weight of Tube & Core (in)	Weight Empty Tube (in)	Water Equiv (in)	Density (%)	Slope (%)	Notes
	Snow Probe (in)	Core Length (in)						
0	0							melt occurring
10	0							
20	9.5	7						
30	2.5							
40	13.0							
50	6.75	4						
60	3.75							
70	16.0							
80	5.5	4.25	34.5	29	5.5	36.1%		2 tubes + TS + DW
90	10.0							
100	22.0							
110	0							top of ridge
120	39.0	38.6	44	29	15	38.9%		2 tubes + TS + DW
130	120.25							
140	110.5							
150	95.5							
160	109.25	118	117	70	47	39.8%		4 tubes + TS + DW
170	106.0							
180	37.75							
190	17.25	17.25	37	29	8	46.4%		2 tubes + TS + DW
200	9.5							lake ice
210	9.0							
220	1.5	1.5						
230	2.5							
240	2.25							
250	7.75	7.5						
260	1.75							
270	1.25							
280	4.0	4.25						
290	6.0							
300	7.5							
310	18.0	18	41.5	29	12.5	40.0%		
320	16.25							
330	6.75							
340	11.5	11.25	34.5	29	5.5	48.9%		
350	11.5							
360	11.0							
370	24.5	24.4	40	29	11	45.1%		
380	26.0							
390	25.5							
400	19.5							
410	25.75	22.4	39	29	10	44.6%		
420	25.25							
430	64.5							
440	13.75	14.1	36.5	29	7.5	53.2%		
450	15.0							
460	7.75							
470	13.75	11.75	34	29	5	42.6%		
480	20.0							
490	10.25							
500	3.5	3.1						
510	3.75							
520	0							
530	0							
540	2.25	3.5	32	29	3	45.5%		
550	0							

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Snow Survey Notes

Transect #: 12W

Waypoint: 12 To Waypoint: 12W

Drainage Basin: 2PL

Party: AMC, Larry Mannik, Kevin Martee

Date of Survey: 25-May-04 Began: 1010 Ended: ??

Sta. (m)	Depth of Snow		Weight of Tube & Core (in)	Weight Empty Tube (in)	Water Equiv (in)	Density (%)	Slope (%)	Notes
	Snow Probe (in)	Core Length (in)						
0	0							
10	1.25							
20	0							
30	1.75							
40	4.0							
50	1.75							
60	8.5	6.75						
70	40.0							
80	9.0							
90	10.75	8.25	34.5	29	5.5	36.7%		
100	16.0							
110	18.0							
120	31.25	28.7	41	29	12	41.8%		
130	26.25							
140	90.0							
150	115.5	118.5	124	70	54	45.6%		4 tubes + DR + TS
160	63.5							
170	36.75							
180	19.75	20.5	38	29	9	43.9%		lake ice
190	15.25							
200	15.75							approx 0 C
210	14.5	14.5	35	29	6	41.4%		
220	8.0							
230	1.25							
240	6.0	6.25						
250	8.25							
260	7.75							
270	7.25	6.25						
280	14.0							
290	7.0							
300	12.0	12.2	38.5	29	9.5	38.5%		
310	18.0							
320	16.5							
330	24.5	24.4	39.5	29	10.5	43.0%		
340	29.25							
350	16.0							
360	17.25	17.5	37	29	8	45.7%		
370	13.5							
380	16.0							
390	16.25	8.25						land
400	15.25							
410	4.25							
420	6.25	4.75	35	29	6	46.2%		
430	6.25							
440	6.25							
450	4.75	19.75	37.5	29	8.5	43.0%		
460	17.5							
470	19.0							
480	62.75	61.0	71	45	26	42.6%		3 tubes + TS + DW
490	41.75							
500	102.0							
510	60.0	56.3	72.5	45	27.5	48.8%		
520	18.25							
530	20.5							
540	25.25	22	37.5	29	8.5	38.6%		
550	12.75							
560	20.0							
570	13.0	13	34	29	5	38.5%		
580	21.75							
590	12.25							
600	11.75	11.25	33.5	29	4.5	40.0%		
610	3.75							
620	2.0							
630	14.5	12.5	34.5	29	5.5	44.0%		
640	20.0							
650	16.25							

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Snow Survey Notes

Transect #: 12NW
Waypoint: 12 **To Waypoint:** 12 NW
Drainage Basin: 2PL
Party: AMC, Larry Mannik, Kevin Martee
Date of Survey: 25-May-04 **Began:** 915 **Ended:** 945

Sta. (m)	Depth of Snow		Weight of Tube & Core (in)	Weight Empty Tube (in)	Water Equiv (in)	Density (%)	Slope (%)	Notes
	Snow Probe (in)	Core Length (in)						
0	0							
10	4.0							party cloudy, lt snow overnight
20	4.75							
30	8.75	10.25	33	29	4	39.0%		
40	7.25							
50	23.5							
60	16.0	16	35	29	6	37.5%		
70	48.0							
80	4.0							
90	3.5	3.75						
100	6.5							
110	5.25							
120	7.75	6						
130	8.5							
140	8.75							
150	17.75	15.75	36.5	29	7.5	29.4%		
160	13.0							
170	15.5							
180	12.0	13.75	34	29	5	36.4%		
190	20.75							
200	28.0	26	40	29	11	42.3%		
210	21.25							
220	34.0							
230	24.0	24	38.5	29	9.5	39.6%		lake ice
240	21.25							lake ice
250	17.0							lake ice
260	13.25	12.75	34.5	29	5.5	43.1%		
270	12.5							
280	14.5							
290	9.0	9	32	29	3	33.3%		
300	4.25							