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ORFORD

F. WEISS

1835-37

2
D. 5
No. 1. commencing 26th May 1837.

Journal & Field Book
of the
Recovery & Retravcing of the Old Boundaries
and Subdivisions
of the
Township of Oxford
in conformity
with the Instructions from the Surveyor General's Office
dated 23rd June 1835.

Began 29th October 1835, suspended and resumed
by order of Government and finished
in October 1837.

By
J. H. [Signature]
[Signature]

Magnetic Course.	Mag. Change	Mag. Lat.	Distance	
			Ch.	Sts.

Notes & Remarks.

+ ♀ 26th May 1837.
 Rectified the range part X.XI in the Annapolis line making
 the depth of X range 71.86. From part IX. & spruce tree C. also made
 calculation from diff of lat. & departure made good on last range
 and from the depths of ranges gives the course to be run on
 the line between X & XI ranges S 17° 51' W. hence +
 S 17° 51' W. 11. 1. 28. 70. marked a part of Birch tree 1.2.XXI. level stony land, spruce, birch
 and hemlock
 do do 2. 20. a brook 8 lbs wide runs E.
 28. 70. marked a part 2.3.XXI. low swampy land. Spruce timber
 do do 3. 28. 70. marked a part 3.4.XXI. and Newboth tree 3 lbs. W. stony land.
 do do 4. 20. a dead spruce swamp. the length of the haul obliged us to
 return to camp.

♂ 27th May.

The weather having been wet this morning, cleared up about noon
 28. 70. marked a part of spruce tree 4.5.XXI.
 do do 5. 19. a brook 22 lbs wide runs N.E.
 28. 70. marked a part of spruce tree 5.6.XXI. and returned to camp
 spruce swamp timber

○ 28th May -

▷ 29th May.

Moved the camp and resumed the line
 do do 6. 28 70. marked a part 6.7.XXI. Wet swamp. Ash, spruce & cedar - Lake
 Webster distant about 19 or 24 obs. to W.
 do do 7. 28 70. marked a part 7.8.XXI. and a spruce tree 7 lbs N.E.
 do do 8. 28 70. a part and spruce tree 8.9.XXI. - Returned and fixed the
 Camp at the brook on N.5.

♂ 30th May.

Measured West at right angles from part 6.7. to East shore of
 Lake Webster 13. obs. and returned to part 8.9. and continued the line
 do do 9. 28 70. marked a part of spruce tree 9.10.XXI. stony land, spruce timber
 do do 10. 23. 50. a blazed line intersecting ours at right angles probably Mr. Wells
 explored route for a road from Putchely to this brook some few
 year ago
 28 70. marked a part of spruce tree 10.11.XXI.

Magnetical Course	No of Days	No of Miles	Distances		Notes and Remarks.
			Act.	Est.	
					♀ 31 st May 1834.
S 19° 55' W.	11	11	28	70	Reached the camp and returned the line at post 10. 11.
"	"	12	11	"	marked a post of Cedar tree 11. 12. I. X. Spruce & Cedar swamp.
"	"	13	28	70	ascend to a ridge of dry stony land. Birch, Spruce & hemlocks.
"	"	13	3	19	marked a post of Spruce tree 12. 13. I. X.
					to middle of the road. On which measured as follows.
					1. N 75° 40' E — 21. 74.
					2. N 75° 7' E — 17. 60. to 20 th mile post —
					3. N 74° 20' E — 35. 57. to I. X. th mile post —
					Some deviation must have taken place from great attraction and the above line to be corrected.
					24 1 st June 1834.
S 12° 55' W.	10	11	22		Began at post 13. 14. I. X. th running
			28	70	a small brook running S. E. Wet swampy land. Ash, Fir and Spruce
Corrected height			28	43	marked a post 14. 15. I. X. and an old tree 10 lbs W.
"			3	50	a brook 6 lbs wide runs S. E.
Corrected height			28	70	a post and spruce tree marked 15. 16. I. X. 26 lbs W of my line —
			28	43	
					♀ 2 nd June.
			28	70	marked a post of Spruce tree 16. 17. I. X. 26 lbs East of old line —
Corrected height			28	43	bad land — Spruce timber —
			8	"	a brook 20 lbs wide runs S. E.
			10	"	ascend to a small ridge of dry stony land; Birch, Spruce & hemlocks.
			28	70	marked a post of Spruce tree 17. 18. I. X. 117 lbs E. Spruce swamp.
Corrected height			28	43	
			17	"	ascend, stony land, large spruce & hemlocks.
			24	43	found a decayed spruce tree marked by Killbuck 18. 19. I. X. 60 lbs E.
Corrected height			28	43	making a deficiency of 3. 75 lbs from post 10. 11. or 27 lbs for each of the last 8 lbs or 28. 23 consisted — Land as above described —
			28	50	found a spruce tree marked by Killbuck 19. 20. I. X. 83 lbs E of my line planted a post of renewed the marks on the old tree —
					♂ 3 rd June —
					Rainy nearly all day — sent for provisions to Sherbrooke.
					♂ 4 th June —

Magnetical
Records.

Height of
Magnet

Distances
Ch. Lns.

Notes and Remarks.

25th June

Received provisions this morning and moving the Camp to the South, employed in erecting & shifting the posts, and marked the following trees & post -

- at 11. 12. a post & spruce tree -
- 12. 13. a post -
- 13. 14. a post & spruce tree -
- 14. 15. a. Fir tree -
- 15. 16. - post -
- 16. 17. a and spruce tree -
- 17. 18. post -

which having finished and the Camp fixed, this day was too far advanced to admit of beginning the line again, and set therefore to put the fishhook in water, which becomes difficult from the quantity of flies -

26th June

Resumed the line, renewing the marks on Kilburns old tree 19. 20. IXX. and took a fresh departure therefrom, beginning with descent to an ash swamp

S 17° 35' N. 10. 20. 5. 17. 28. 70.

end of a - dry stony land, Birch, spruce & hemlock -
crossed a winter road (Sauger's probably)
marked a temporary post 20. 21. IXX. 53 lbs E of ch^r line.

Corrected breadth 28. 35.

So So 21. 28. 18. 35.

found a Maple tree marked by Kilburn 21. 22. IXX. 127 lbs E making a deficiency of 35 lbs for each of the last trees lost on 28. 35. which corrected and renewed the marks on the old tree -

So So 22. 28. 5. 23. 21. 28. 67.

found Kilburn's spruce tree marked 22. 23. IXX. Low stony land. Spruce timber, planted a post & renewed the marks.
a brook 3 lbs wide runs E.
Kilburn's Birch tree marked 23. 24. IXX which renewed with post - 30 lbs N. of ch^r line.

27th June

Remained Camp and resumed

So So 24. 28. 33.

Kilburn's spruce tree & marked 24. 25. IXX. 39 lbs W. planted a post and renewed marks. Stony land, spruce and hemlock

So So 25. 28. 70.

marked a post 25. 26. IXX. 5 lbs W.

So So 26. 28. 70.

So 26. 27. IXX. 77 lbs W. of my line, spruce swamp.

So So 27. 28. 70.

temporary post 27. 28. IXX. 38 lbs W of ch^r line, where the lateness of the hour obliges us to return to Camp, not finding a trace as yet of the Bolton line -

5
 Magnetic Courses
 No of Range
 No of Lot
 Distance
 Ch. Lin.

Notes and Remarks

24 8th June. 1837

N 72 55 W	10	28.	28	70.	Resumed and at found a temporary post marked 28.29. IX. X. 56 Ch. N. of Phoenix line
S	S	24.	23.	70.	The ^{Bottom} line bearing N 78° W. Measured West 60 links the distance between the lines when we lost the blaze - put up a temporary post marked 29. IX. X. - 20 links East of this post is a tree marked by me the winter before last 80 chains from the Nagay Lake. Consequently the depth of this range (10 th) from the lower line is only 66.16, the lower line being 13.64 from the Lake. - Sent some of the party back for the Camp equipage which with the rest we measured West in the ^{Bottom} line -
N 78° W.	11.	11.	10.	35.	a brook 19 Ch. wide runs South. gentle ascent - dry barren land, small spruce fir -
N 77° 35' W.	.	57.	72.		found a line running North at right angles with the lower line and a temporary post marked by me IX. X. 37. ^{Bottom} line, and at the distance of 131.85 from the lake - Took down this post and proceeded with the measurement. Stony land, Spruce, Birch and Hem locks.
		71.	86.		marked a temporary post X. XI. 27. ^{Bottom} line -
N 76° 30' W.	12.	58.	91.		found a post marked by me as 191.20. from the Lake - Thence low swampy land
		79.	76.		to a temporary post put up last winter at 73.18 East of the former's post XII. XIII.

♀ 9th June -

Giving therefore to the 10th Range the same depth at the Bottom line as it had in the Prompton line, and the 11th range being considerably deficient there I thought it proper to leave it greater in the Bottom line to recompense, and therefore returned to post XXI which I found perpendicular and marked a Fir tree 10 Ch. N. E. thereof and running

N 72 57 E	11.	77	28	70.	marked a post and Birch tree 27. 26. XXI. low stony land - Spruce
S	S	26	28.	70	marked a post and Fir tree 26. 25. X. XI. Birch spruce & hem locks

Magnetic
Courses.

N. of Range

N. of Tot.

Distances
Ch. Ms

Notes and Remarks.

N 12° 57' E.	11.	25.	28.	70.	a part and spruce tree marked 25. 24. XXI.
"	"	24.	28.	70.	a part and spruce tree marked 24. 23. XXI. Spruce Swamps.
10 th June - Resumed Camp.					
"	"	23.	28.	70.	marked a part and spruce tree 23. 22. XXI. Spruce & Cedar Swamps
"	"	22.	28.	70.	a part of Cedar tree 22. 21. XXI. Swamps continues
"	"	21.	28.	70.	a part marked 21. 20. XXI. Do Do
11 th June -					
12 th June -					
"	"	20.	28.	70.	Resumed Camp of continued line marked a part 20. 19. XXI. Swamps
"	"	19.	28.	70.	a part of spruce tree 19. 18. XXI. Stony land, Spruce & hemlock
"	"	18.	28.	70.	a part of spruce tree 18. 17. XXI. Heavy fanned water in this vicinity sent the party for the Camp of June 10
13 th June - Resumed line					
"	"	17.	5.	"	ascend of a ridge of stony hard sand land bearing a mixture of Beech, Birch, Spruce & hemlock
"	"	9.	"	"	Sawyer's road
"	"	28.	70.	"	marked a part 17. 16. XXI. Gentle descent
"	"	16.	28.	70.	a part marked 16. 15. XXI.
"	"	15.	3.	"	descent to a brook 10 Ch. mile running East of ascent
"	"	6.	55.	"	
"	"	12.	20.	"	Spruce of cedar Swamps
"	"	28.	70.	"	part of spruce tree marked 15. 14. XXI.
"	"	14.	10.	"	end of Swamps.
"	"	15.	"	"	descent to a brook 8 Ch. mile running East through spruce Swamps
"	"	28.	70.	"	a part of spruce tree marked 14. 13. XXI. Stony land. Spruce
14 th June - Resumed line					
"	"	11.	13.	22.	crossed a small brook running S.E.
"	"	26.	"	"	recrossed D. of Sw.
"	"	28.	70.	"	a part 13. 12. XXI - Swamps. Fir & Spruce

Notes and Remarks.

N 19° 51' E. 11. 12. 13. 15.

to middle of the road, at 12.24 h. west of where I came and coming from the north, which according to previous calculations agrees and therefore continue correcting the error caused by local attraction about the post 8.9. in this line — and in order to know when to start the next range line, measured on the road

1. S 73° 15' W. — 17.70.
2. S 70° W — 10.12.
3. S 71° 40' W — 10.24.
4. S 88° 45' W. 12.11.
5. S 74° W — 18.60.
6. S. 74° 25' W — 18.20.

Here being myself obliged to go to their racks for a supply of provisions Mr. Geaffres computes the course to be run on next range line & finds by diff. of latitude & departure that the end of the line is within

14 lbs of the middle between the two compasses.

4 15th June —

Se.	11.	12.	13.	25	28	70.	joined the road and marked a temporary post 12.11. X.XI. Cedar & spruce swamp.
Se.	11.	28.	70.				Se Se — 11.10. X.XI. Strong land, spruce & hem lock.
Se	10.	10.			18.		ascend of a knoll —
					28	70.	top of cedar swamp.
					28	70.	a temporary post 10.9. X.XI. continuation of swamp.
Se.	9.	27.	30				joined the Northern part of the line 1.16. south of post 9.10 — consequently there are 27 full lots and 28.46 measured in this line between the Prompter & Bottom lines.

The points must therefore be altered with regard to the numbers making the part in the Bottom line N° 28 instead of N° 27. which will give 28.70 to all the lots except N° 10 which is 28.24. On his way to camp changed post 9.10 to 10.11 and marked a spruce tree. The next post 11.12. marked a post 12.13. and a birch tree — from south of the road to be altered on a future occasion —

♀ 16th June —

Started the Xth & XII range line from the point ascertained the day before yesterday on the road — true course of adjacent range lines 73° 53', and this range being shorter at the Prompter

Magnetic Courses. Day's March. No. of Sticks. Distance The One

Notes and Remarks

then at the Bottom line Mr Geopffer adopts the course N 13° 15' E. as the nearest approximation from the result of his calculations - Course

N 13° 15' E. 12. 14. 24 72. marked a temporary post 14. 13. XI XII. Stony land, spruce & hemlock

" " 13. 25 " gentle descent

" " 28. 76. a temporary post marked 13. 12. XI XII. Edge of an ash swamp.

" " 11. 12. 15. cross a blazed line running N 75° W. Descent, stony land, spruce birch, hemlock

" " 28 70 a temporary post - 13. 11. XI XII. Descent spruce

17th June

Having returned with provisions, remained camp to where Mr Geopffer left off yesterday, and after fixing the camp I thought proper before going farther on the course adopted by Mr Geopffer, to calculate myself the proper course, as I found in his calculation that he had not thought of the greater difference existing in this connection between the Prompton & Bottom lines. The result of my calculation gives 14° 30' to be the proper course - All this occupied us the whole day nearly -

18th June

Went this day with some of the party to examine the country, & having from information that the big creek lake improperly so called was not far off.

19th June

Resumed the line at 12. 11. running

N 14° 30' E 12. 11. 6 " spruce swamp.

14. " the S.E. shore of a small pond 3 ch. W.

18. " pond 2 ch. W.

22. " end of swamp, green timber

25. " ascent, good land. Birch, white birch spruce & hemlock

28 70. a post marked 11. 10. XI XII. Head of pond 6 ch. W.

do. do 10. 15. descent, dry stony land but good - Birch, Birch, Poplar, spruce and hemlock of large size -

28 70. a post 10. 9. XI XII.

9

Magnetic
Courses.Mag. Course
Mag. Dist.Distances
On the

Notes & Remarks.

N 14° 30' E.

16 9

3. 50.

South Shore of Lake Webster and sent the party
back for the Camps & stores

X

20th June —

Heavy rain all day —

21st June —

The weather having still been wet in the morning, and clearing up at about 9 AM, I looked out for a pine or two for making canoes, and as we could not find any that would afford one of sufficient size, we set about making two small ones in order to lash them together, which we completed towards evening and brought them to near the Camp

22nd June —

Resuming the Survey of the Lake by measuring a base of 77° E. 2,780 ft. from the end of the line with which it makes an angle of 88° 30' and marking conspicuous points at its extremities A & B and at other prominent points round the Lake and establishing convenient objects in the bays &c. — As it blew too hard for our frail embarkation in the afternoon, could not proceed further than C. 4.

23rd June —

Proceeded fixing the Station posts as far as N. 15 — from which returning by the Islands, from the blowing weather I could hardly keep the canoes afloat as they both filled as fast as I could bail the water out of them, so that we were in very great danger, and got back to the Camps as wet as could be —

24th June —

Heavy rain all day —

25th June —

Weather dull and heavy —

26th June —

Weather blowing from West & W. proceeded to complete the Stations and

in getting round a point we struck on a rock and before we could get off the canoes filled and sank from the high waves, but fortunately nearly close to the shore and not in deep water so that we escaped with a good ducking. Succeeded however to haul the canoes ashore and emptying them, after which we tried once more, but on going round the next point I thought it most prudent to leave them and went by land round, completing the Station to A 15. on that side with difficulty as the swamp and woods are so thick as to penetrate the woods.

27th June -

Proceeded to take the angles at the different Stations beginning at No 11 -

<p>021 to 02. — 360°</p> <p>to 03 — 6° 11'</p> <p>5 — 10° 34'</p> <p>7 — 21° 0'</p> <p>9 — 23° 58'</p> <p>adjt 9a — 29° 44'</p> <p>litt. S.P. a — 34° 9'</p> <p>0-10 — 37° 48'</p> <p>13 — 45° 0'</p> <p>14 — 52° 9'</p> <p>15 — 54° 54'</p> <p>18 — 63° 36'</p> <p>19 — 46° 27'</p> <p>adjt 19a — 121° 51'</p>	<p>021 continued</p> <p>to 19 — 78° 18'</p> <p>adjt 19a — 120° 35'</p> <p>20 — 123° 36'</p>	<p>019 continued</p> <p>7 — 150° 29'</p> <p>8 — 153° 38'</p> <p>9 — 156° 15'</p> <p>9a — 164° 9'</p> <p>litt. S.P. a — 167° 0'</p> <p>10 — 171° 3'</p> <p>12 — 176° 6'</p>
<p>021 to 02. — 360° 0'</p> <p>3 — 6° 6'</p> <p>5 — 10° 33'</p> <p>7 — 20° 54'</p> <p>9 — 24° 44'</p> <p>adjt 9a — 30° 37'</p> <p>litt. S.P. a — 34° 18'</p> <p>0-10 — 37° 51'</p> <p>12 — 41° 28'</p> <p>13 — 45° 48'</p> <p>14 — 52° 48'</p> <p>15 — 55° 44'</p>	<p>020 to 021. — 360° 0'</p> <p>21 — 12° 36'</p> <p>2 — 49° 45'</p> <p>3 — 56° 9'</p> <p>5 — 60° 54'</p> <p>7 — 71° 39'</p> <p>9 — 76° 12'</p> <p>9a — 83° 3'</p> <p>litt. S.P. a — 85° 51'</p> <p>10 — 89° 30'</p> <p>19 — 97° 24'</p> <p>13 — 181° 18'</p>	<p>018 to 22 — 360° 0'</p> <p>22a — 15° 30'</p> <p>to B — 27° 12'</p> <p>2 — 62° 18'</p> <p>3 — 73° 12'</p> <p>4 — 76° 3'</p> <p>5 — 82° 15'</p> <p>7 — 101° 27'</p> <p>8 — 108° 6'</p> <p>9 — 113° 27'</p> <p>9a — 126° 18'</p> <p>litt. S.P. a — 127° 54'</p> <p>10 — 138° 45'</p> <p>9d — 140° 0'</p> <p>12 — 142° 42'</p> <p>13 — 150° 24'</p> <p>Victoria head — 150° 24'</p>
<p>019 to 020 — 360° 0'</p> <p>20a — 14° 18'</p> <p>21. — 38° 30'</p> <p>22 — 61° 18'</p> <p>22a — 87° 0'</p> <p>1. — 101° 54'</p> <p>2 — 123° 48'</p> <p>3 — 131° 45'</p> <p>5 — 137° 44'</p>		

Survey of Lake Webster continued

017 to 0B.	360° 0'
to 0A	4° 24'
2	27° 9'
3	29° 9'
4	34° 12'
5	35° 30'
7	49° 27'
8	57° 57'
8a	60° 45'
9	65° 57'
1. 210a	75° 45'
10	80° 45'
9d	92° 10'
12	101° 6'
13	114° 54'
14	130° 59'
15	139° 12'
15a	152° 3'

016 to B	360° 0'
A	3° 36'
2	16° 45'
3	21° 39'
5	26° 9'
7	35° 0'
8	42° 0'
9	49° 9'
8a	47° 3'
11	63° 6'
9b	65° 18'
12	74° 57'
13	91° 30'
14	106° 3'

015 to 016	360° 0'
16a (Lin 78)	9° 24'
17	22° 18'
11	89° 57'
14	96° 0'
12	100° 9'
13	116° 25'
15a	329° 3'

013 to 15	360° 0'
14	9° 3'
16	33° 0'
16a	48° 0'
17	61° 0'

013 continued	
11	126° 42'
1. 210b	130° 57'
12	133° 50'

As it rains the Station can be but imperfectly seen.

012. to 13	360° 0'
15	29° 45'
14	31° 0'
15a	41° 30'
16	61° 33'
16a	79° 54'
17	93° 21'
11.	163° 24'
1. 210b	174° 24'
8	175° 39'
9	183° 36'
9b	214° 0'
9c	226° 45'

011 to 12	360° 0'
13	9° 18'
14	34° 48'
15	36° 9'
15a	47° 45'
9	209° 45'
1. 210b	211° 51'
9b	235° 15'
9c	288° 51'
9d	325° 30'

♀ 28th Janus

0A to 01.	360° 0'
2	57° 12'
3	61° 57'
5	64° 57'
comps. Lin XLII	73° 6'
7	73° 48'
9b	77° 18'
9d	82° 21'
1. 210a	84° 48'
10	88° 45'
13	92° 30'
14	100° 0'
15	102° 21'
15a	107° 18'
17	117° 24'

0A continued	
B	161° 36'
Aa	338° 39'
Ad	354° 21'

0B to A	360° 0'
2	59° 30'
5	72° 40'
3	67° 36'
7	84° 9'
9	85° 24'
9b	90° 39'
9c	96° 0'
1. 210a	97° 27'
9d	99° 6'
10	101° 30'
13	106° 48'
14	114° 39'
15	117° 15'
15a	122° 18'
18	143° 30'
19	187° 12'

01 to 18	360° 0'
19	28° 0'
A	36° 45'
Aa	51° 51'
Ab	80° 48'
Ac	127° 6'
d	203° 3'

Ad to 01.	360° 0'
Aa	13° 21'
b	24° 12'
c	60° 6'

02. to 010	360° 0'
14	9° 27'
15	11° 38'
15a	17° 21'
17	34° 4'
18	59° 0'
19	92° 0'
19a	97° 42'
20	100° 42'

02 continued

21	108° 33'
22	113° 12'
B	120° 0'
A	136° 6'

03 to 04 — 360° 0'

5	68° 18'
9c	85° 38'
l. SP a	90° 48'
10	95° 46'
14	104° 21'
15	106° 30'
15a	112° 33'
17	132° 15'
18	161° 6'
18a	175° 36'
19	191° 9'
19a	195° 18'
20	198° 9'
21	205° 42'
22	210° 24'
B	219° 12'
A	231° 49'

04 to 17 — 360° 0'

10	16° 54'
18a	39° 15'
3	43° 3'
3a	104° 30'

05 to 17 — 360° 0'

18	31° 33'
18a	44° 51'
19	58° 36'
19a	61° 43'
20	64° 27'
21	71° 42'
22	76° 24'
B	85° 42'
A	96° 21'
3	109° 45'
3a	133° 42'
16a	356° 0'

07 to 010 — 360° 0'

14	5° 3'
15	7° 9'
15a	14° 36'
16a	37° 48'
17	44° 24'
18	81° 15'
18a	91° 33'
19	101° 45'
19a	102° 57'
20	105° 36'
21	112° 24'
22	117° 12'
B	127° 39'
A	135° 45'
l. SP a	352° 30'

08 to 09 — 360° 0'

9b	15° 42'
9c	29° 3'
9d	31° 57'
12	45° 18'
l. SP a	55° 12'
10	61° 9'
15a	67° 39'
16a	92° 15'
17	99° 51'
18	134° 51'
8a	298° 48'

09 to 012 — 360° 0'

l. SP b	7° 6'
11	7° 33'
l. SP a	24° 24'
10	24° 42'
16a	44° 9'
17	52° 30'
18	84° 48'
B	120° 21'
D	124° 36'
8a	194° 39'
9d	343° 36'

010 to 017 — 360° 0'

19	37° 48'
21	53° 42'
22	58° 18'
B	69° 18'
A	74° 53'
3	91° 57'

010 continued 12

7	104° 18'
D	118° 27'
8a	134° 30'
9a	137° 27'
16a	346° 21'

11 & 12 range line to 011. 360° 0'

l. SP b	14° 50'
3	32° 46'
D	38° 51'
A	27° 20'

24 29 June
 Pushed the Lake and proceeded
 through the woods to post
 XI, XII in the Brompton line
 and ran as on the other
 side

Magnetic Courses	Height of spots -	Distances		Notes & Remarks		
		Am	Ch			
S 14° 30' 10"	12	1		24 24 th June — Crossed the Lake and proceeded through the woods to part XI XII in the Brompton line where we beginning with steep descent 3 " descent more gradual. 10 " ascent — 13 " top So. 15 " descent again 22 " ascent on the E side of a hill. 28. 70. marked a part 1. 2. XI. XII on the brow of the hill and descent returned to town line and fixed a temporary camp.		
				♀ 30 th June — Resumed the line —		
			12	2	10. "	Cedar & Spruce swamp.
				28. 70.	a part of Fir tree marked 2. 3. XI. XII. continuation of swamp Spruce timber —	
			12	3	15. "	cedar & Spruce swamp, again —
				28. 70.	a part of Fir tree marked 3. 4. XI. XII. Swamp continues —	
			12	4	28. 70.	a part of Birch tree marked 4. 5. XI. XII. Cedar & Spruce swamp good soil
			12	5	10 "	ascent
		11. 50	descent to a Spruce swamp, extending to the North shore of the Lake			
		18. 34.	to Lake, from which point to CA p ^o trig. computation the distance is 104. ch 5 th, which makes 4 lots, 7 ch 59 th from part 4. 5. The situation of part 9. 10. is therefore 21 ch 11 th south of the Lake, and the path to the road must therefore be established accordingly — Returned to Camp —			
S 14° 30' 10"	12	14	5	64. to middle of the road		
			28. 70.	marked a part of hemlock tree 14. 15. XI. XII. Bad land, Cedar Spruce & hemlock. — A heavy shower with peals of thunder obliged us to leave off and fix the camp in order to shelter the stores as well as ourselves from the storm —		

Magnetical
Course.

of Change
of Alt.

Distances
Ch. Cr.

Notes and Remarks.

C 2nd July - Raining part of the day -

D 3rd July -
marked a part of hemlock trees 15, 16, XI, XII. and obliged to return to camp which our utmost efforts could not secure against torrents of rain which continued pouring the rest of the day - and all night -

E 4th July -
Retained the line
ascend, stony land, spruce, birch, hemlock -
marked a part 16, 17, XI, XII. land level, soil of timber as above
The rain recommencing in heavy showers about noon and continuing to pour, obliged to abandon again - employed the afternoon putting the Journal in ink -

F 5th July - Retained
good land, spruce, white birch, ash, & cedar -
poor land, spruce -
marked a part 17, 18, XI, XII.

G 6th July -
marked a part of hemlock trees, 18, 19, XI, XII. beginning of
good land, Birch, Birch, & Hemlock

H 7th July -
bad stony land, spruce timber -
a part and fir tree marked 19, 20, XI, XII. spruce & hemlock

I 8th July -
a part of fir tree marked 20, 21, XI, XII. spruce swamps -

4 6th July - Continued line

J 9th July -
end of swamp.
gradual descent
part of undulating stony land
a part marked 21, 22, XI, XII. small cedar & spruce swamps.

K 10th July -
beginning of alluvial swamp or beaver meadows.
a brook 20 lbs wide runs S.E.
an other brook 15 lbs wide runs E.
meadows terminated by cedar & spruce swamps.
a part of tamarack tree marked 22, 23, XI, XII. Tamarack bog -

L 11th July -
a River 100 wide running W. - obliged to return for camp, and put it up at the beaver meadow brook

Magnetic Courses	Mag. Change	H. of Lat.	Distances		Notes and Remarks.
			M.	Ch.	
					♀ 7 th July —
N 11° 30' W.	12.	23.	28.	70.	Passing the river at 21.60 with difficulty marked a part 23.24. XI. XII. Continuation of bog —
Se	Se	24.	19.	28 70	end of bog, bad land, spruce timber — a part of spruce tree marked 24.25. XI. XII. stony land. Spruce
Se	Se	25.	7.	28 70.	thick spruce swamp. a part marked 25.26. XI. XII. swamp continues
Se	Se	26.	20.	70.	a part marked 26.27. XI. XII. Swamp continues
Se	Se	27.	28.	70.	a part marked 27.28. XI. XII. Swamp continues — put up a temporary camp for the night
Se	Se	28.	28.	62.	♂ 8 th July — The ^{water} Bottom land 1.50 Ch. West of the temporary part XII XIII which joins the ^{range} 79. 76 Ch. to the 11 th and 73 18 to the 12 th range in the ^{range} Bottom line — Marked a part and spruce tree 28. Bottom XI. XII. 17. 14. 8.
					While the party returned by the line with me, sent Coffey to alter & rectify the parts in 10 & 11 range line from Bottom to part 13.14, and after joining again at the Road, proceed with the camp & stores to Hobbs' — A heavy shower gave us a good ducking —
					♂ 9 th July. Spent the day at Hobbs' mending clothes & grinding the axes. —
					♂ 10 th July — Supplies having arrived on Saturday, employed this day in moving the Pump and stores to Lake Head, and constructing a small shed for them. The carriage from Hopp's taking the party two trips so as to render it too late to begin work in line running —
					♂ 11 th July — Began this morning at part 9. 10. XIV. XV. running

Notes and Remarks.

Magnetic Course	No. of Days	No. of Obs.	Distances	
			Obs	Th.
N 13° 45' E.	15.	9.	15	
		17.		
		28.	70.	
S.	8.	21.		
		25.		
		28.	70.	
S.	7.	4.		
		8.		
		18.		
		23.		
		26.		
		28.	70.	
S.	6.	2.		
		3.	50	
		10.		
		15.		
		22.		
28.	70.			

Cedar & Spruce Swamp —
 ascent. Spruce & fir —
 top — — —
 marked a part of G. D. XIV. XV. continuation Swamp
 a small brack river E. Gentle ascent, Stony land, Spruce & hemlock —
 descent —
 a part of Spruce tree marked 8. 7. XIV. XV. land 2/3 timber as above —
 Ash & Cedar Swamp —
 steep ascent spruce timber —
 descent
 end of S.
 steep ascent —
 a part of Spruce tree marked 7. 6. XIV. XV. on the brow of the hill —
 steep descent
 more gradual S^w along the foot of a mountain
 end of descent, the mountain close to the line on the West presents
 large perpendicular crags of granite — On the East Hard wood
 and seemingly good soil according to the Swamp on the banks
 of the Broomfield Lake —
 gentle ascent —
 end of S^w.
 a part marked 6. 5. XIV. XV. As the 5th first lots of the
 15th range extend to the lake I thought it unnecessary to
 continue this line further to the North. Willbourn had
 not in his survey, carried it further than Lake Innes.
 Returned therefore to the Camp —

19th July —

Employed people to make a raft and began fixing the Stations for the survey of the Lake —

20 13th July —

The wind blowing exceedingly hard all day, we could not proceed on the Lake — went round by land to finish fixing Stations —

21 14th July —

Blowing still too hard to venture on the Lake proceeded to look out for the 15th & 16th Range line at the head — and

Magnetical
Course

of Magnetic
of Lat

Distance
in M.

Notes and Remarks

N 13° 45' E. 10.

and on finding the blaze started from the road beginning descent
1 " fact of descent - Cedar & Spruce swamp.
6. 43 a ridge 90 links wide running N.E.
This Ridge in Killbuck's Field book is noted at 24 chains from
post 10.11. consequently the next post 9.10 must be 31.12.
from the road
9 " end of swamp. bad stony land, Spruce timber
15 " ascent, Spruce kind of hem. larch
18 " descent to a cedar & Spruce swamp.
23 " to cedar & Spruce swamp

Course breadth

28 70. marked a part of Cedar tree N. 9. XV XVI. 100 lbs. West of 1st line
end of swamp

do

do

9. 28 70 marked a part 9. 8. XI. XVI on the shore of a small lake on
pond 3.27. W of 1st line - bad swampy land through timber

Course breadth

98 70 It being too late to go round the lake and continue the line
on the other side, we returned to camp, and having found
a canoe on the river as said we dragged her through the
woods and along the road to Lake Fraser, where she
might serve as a much more expeditious conveyance
than the raft, for Lake Sarney

15th July

Sent Mr. Goffers with the party to continue the line
though the weather increased with thunder showers, while
I myself with one man went to take angles on the
Lake from which I saw however prevented by the succeeding weather

N 13° 45' W. 10.

Mr. Goffers beginning at the Road ran
beginning with ascent of a knoll, Spruce timber

11. 6 " top of knoll
10 " a ridge of Hard wood land, Birch, Birch & Spruce
14 50. ascent of a hill
28 70 a temporary part marked 11. 12. XV XVI. declivity of hill - rocky
and ascent

Course breadth

98 70
12. 3 50 end of ascent - thence along the declivity
28 70 a part of beech tree 14 lbs. N. marked 12. 13. XV XVI.

Course breadth

28 70 a succession of the most vivid flashes of lightning and
peals of thunder, accompanied by heavy showers obliged him
to abandon and return to camp - dripping wet

16th July

D 17th July 1837.

Went myself of the calm weather to take the angles on Lake Hudson —
the base AB having been before measured 37.50 —

18

on the Island

OB to OI	360° 0'
to OA	28° 28'
to a	22° 3'
Aa	48° 54'
At	81° 9'
OZ	104° 6'
Za1.	109° 45'
Za2.	119° 6'
b	133° 15'
c	152° 48'
d	186° 14'
e	219° 30'
f	245° 3'
g	265° 57'
h	281° 15'
i	297° 51'
k	310° 0'
l	322° 39'
m	351° 6'

OI to OA	360° 0'
Aa	36° 15'
At	65° 12'
OZ	75° 9'
Zt	82° 16'
c	98° 30'
B	114° 47'
Zd	117° 57'
e	135° 36'
f	154° 57'
g	165° 39'
h	174° 13'
i (inlet)	195° 57'
k	205° 14'
l not visible	
m	208° 45'
la	350° 9'

OZ to OB	360° 0'
i	8° 30'
k	15° 30'
l	23° 6'
m	32° 39'
OI.	36° 21'
OZa1.	219° 45'
Zt	232° 18'
c	275° 9'
d	311° 42'
e	327° 18'
f	336° 57'
g	349° 57'
h	358° 27'

Base 37.50

OA to OB.	360° 0'
e	4° 39'
f	18° 24'
g	21° 56'
OI.	36° 48'

Magnetical
Courses.

Angle of Change
Angle of Sighting

Distances
Chs Chs

Notes and Remarks.

18th July -

S 13 25 W. 15. 13

10
28. 21.

Crossed the Lake with the Camp etc. and began at
point 12. 13. XIV. XV. ascending with gentle ascent -
Stony land, Spruce & hemlock
good land, Beech, Birch & Maple -
found Kilburn's Beech tree marked 13. 14. XIV. XV. 26 Chs East
of chained line. good land. gentle descent to West - second marks
a temporary post marked 14. 15. XIV. XV. 13 Chs E. of this line -
Kilburn's line between lots 14 & 15. therefore mark the post
up to this. Land and timber as before -

14. 28. 70

31. 20.

end of ascent
gentle descent

28. 70.

28. 70.

marked a post 15. 16. XIV. XV. Very stony. Spruce & hemlock
with a mixture of Beech. blaze line 25 Chs East of mine -
marked a post 16. 17. XIV. XV. land and timber as before -

16. 28. 70.

28. 17.

19th July -

17. 17.

28. 70.

returned line
good land. Beech, Birch & Maple -
marked a post 17. 18. XIV. XV. 80 Chs E. of this line. very good land.
The weather having become very bad encamped to shelter from storm

28. 17.

20th July -

18. 6.

28. 70.

Being confined to the camp by a severe fall I am unable
to move myself from the great pain in my knee, but
Geoffrey continues to do his work returning, and at
ascent -

28. 70.

28. 17.

marked a post 18. 19. XIV. XV. descent South East only. good land
Beech, Birch & Elm. blaze line 105 Chs East

19. 28. 70.

28. 17.

a post 19. 20. XIV. XV. stony land. Beech, Spruce & Hemlock

20. 25. 57.

28. 17.

Found a birch tree blazed injudicially on all four sides, but mark
obliterated which I take for Kilburn's post 20. 21. XIV. XV
which marks I renewed. This gives therefore a deficiency
of 53 Chs per lot in the last 6 lots or 28. 17 per lot measure
and wants to be altered accordingly - put up a post
marked as above and took a fresh departure - stony land
Spruce birch & hemlock

Magnetic Cards.	No. of Range	No. of Post	Distances		Notes and Remarks.
			Ch.	lbs	
S 13 15' W.	15.	21.	15	.	steep descent -
		24	80.	.	a brook 6 lbs wide runs East, gentle ascent -
		28.	70.	.	marked a post 21. 22. XIV. XV. - Maple Sugar -
do	do	27.	2	50.	a clearing extending nearly 18 ch. East by 3 ch in breadth
		7	"	"	descent -
		9	50	"	to a small brook running N.E.
		10	"	"	ascent - Birch timber -
		23	"	"	descent -
		28.	70.	"	a post marked 22. 23. XIV. XV. Underlying Stony Land. Birch, Birch & Maple -
♀ 21 st July.					
do	do	23.	29.	20.	Removed Camp and continued the line - found Kilburn's Spruce tree marked 23. 24. XIV. XV. 114 lbs East of my line. Descent throughout Stony Land, Spruce & hemlock -
		do	do	24.	11
18	"			"	end of S. gentle ascent spruce timber -
20	"			"	gentle descent - Fir, Spruce & hemlock -
25	"			"	swampy. mixed timber
28	70.			"	a post 24. 25. XIV. XV. 104 lbs East. continuation of Swamp.
do	do	25	3	"	end of swamp.
		4	50.	"	Hay's High road - Stony Land, Spruce timber -
		28.	70.	"	marked a post 25. 26. XIV. XV. Edge of a brook.
do	do	26.	2	"	steep descent to a cedar & spruce swamp.
		11	"	"	60 links west to a brook 30 lbs wide running South
♂ 22 nd July.					
do	do	20	"	"	swamp terminated by good alluvion - mixed timber Ash and Birch -
		29	27.	"	marked a post 26. 27. XIV. XV. this being the situation indicated by Kilburn near the river before crossing it. Old line 236. lbs E. -
do	do	27	25	36.	^{marked} the Bolton line, 150 lbs West of the brook, which together with S. 12. to temporary post on the East side of the brook makes the W. range 79. 80. in the Bolton line. marked post and Birch tree 27. Bolton, XIV. XV. - walked

walked up to the settlements in order to obtain information from the Mayor, and on my return to camp an express arrived who informed me that Government papers & despatches were received at home, which seemed to be of importance and that my presence was wanted at home to attend to them, as Mr. W. did not like to entrust them to any man to carry them to me to the woods. Though much fatigued I had to start immediately and got to Robert Orms' at 8 o'clock in the evening, where my servant was to be the next morning to take me down in my Calash to Sherbrooke — while I left the party in charge of Mr. Geoffrey.

July 23rd —

On my arrival at home found the despatches to be unimportant see for the District Survey Classification —

July 24th —

Heavy rain commenced about 9 o'clock in the morning and continued without intermission until noon when a temporary cessation enabled Mr. Geoffrey to send some of the party to the road for provisions which were brought up yesterday to Orms' — At 3 P.M. rain set fast again as in the morning —

July 25th —

The party being out of provisions spend a hungry day as the people sent to the road for supplies are prevented returning by the excessive rain till late in the evening —

July 26th —

Got Charles Hayt this morning to show us the line at the Southern extremity of his clearing. Traced the cleared line southward to the ~~bottom~~ ^{bottom} line and marked first and Hemlock tree 27. Boston XV. XVI. 2 ch. 36 links west of the temporary post which gives 68.93 ch. to the 15th Range in the ~~bottom~~ ^{range} line, thence running — X

Magnetic
Courses.

Height
of Mt. St. Helens

Distances
W. to E.

Notes and Remarks.

N 13 45' E. 16.

27. 25

stony land, Spruce, birch & hemlock -
marked a part 26. 27. XV. XVI. soil and timber as above -
Gentle descent eastward

Corrected
27. 50.

26. 10

good land, hemlock, birch & maple -
28. 70 marked a part 26. 25. XV. XVI. 80 lbs. W. of old line. (Descent
Spruce timber)

31. 20

found Wilson's fir tree marked 26. 25. XV. XVI. but
decayed and fallen to the ground, which had prevented
our observing it at first coming from the North -
Removed the part to this place and made new marks on
a fir tree - The part 27. 26 must therefore be removed
2.50. to the North -

25 4

a brook of 1/2 mi wide running East - ascent, Spruce timber
edge of Hays' clearing -

20 70

marked a part 25. 24. XV. XVI. 8 lbs. W. of old line dist. last blazes
continuation of clearing. dry stony land, but tolerable soil
that part of the clearing in the 16 range is better -

Corrected
28. 40.

Considerable improvements (or betterments as the Indians
call it) but no building to denote the name on this
Farm

24 11

end of clearing bounded by a brook 30 lbs wide running
S.E. (called Cherry river) to the next range line which it
crosses on the 27th lot -

Returned to Camp.

27th July -

Went to change part 26. 27. XV. XVI, while the party
removed Camp to where we left off yesterday - A strong
appearance of rain obliged us to fix it immediately
to shelter stores &c, but during that time as it rained a
little, resumed the line taking a fresh departure from the
part - Blaz. line 80 lbs W. of mine - Gentle ascent

22 50

end of ascent & gradual descent -

25 "

Cedar and ash swamps.

28 70

marked a part 24. 23. XV. XVI. end of swamps & ascent
Spruce & hemlock

Corrected
28. 40.

Showers prevailing and increasing both in frequency
and violence obliged us to return to Camp

Magnetic Courses	No. of Changes	No. of Lots	Distances		Notes and Remarks.
			Ch.	Ln.	
N 13° 45' E.	16.	23	9	.	♀ 28 th July — Resumed line —
			11	.	descent. Spruce, birch & hemlock
			28.	70.	Flag's road — begins ascendency of a mountain which has an easterly declivity to an excellent maple sugar — and flat beautiful land extending the breadth of two lots along the feet of the mountain —
Corrected bearing	16.	23	28.	70.	marked a post 23. 23. XV. XVI. 56 Ch. W. of Ch. line. thence along the brow of the hill Birch & hest timber —
			28.	40.	
do	do	22	6	.	top of hill & gradual descent
			14	.	steep descent —
			16	.	level, good land, mixed timber —
			28	70.	marked a post 22. 21. XV. XVI. On looking out for the old blazes, found Kilburn's Spruce tree marked 22. 21. XV. XVI. 108 Ch. west of Ch. line, and 122 Ch. short of the measurement from last post found (26. 25) corrected bearing to lot is therefore 28. 40, and posts to be altered accordingly —
Corrected bearing	do	22	28.	40.	
			28.	40.	
do	do	21	1	.	dry swamp. Stony bottom, mixed timber, Birch, Spruce, cedar
			6	.	ascent of a knoll
			8	50.	a small swamp.
			11	.	ascent — Birch, birch, Spruce & hemlock —
			16	.	ascent of a steep rocky mountain
			25	.	end of ascent —
			26	.	steep descent —
			28.	70.	a post marked 21. 20. XV. XVI. 12 Ch. W. of Ch. line. gradual
Corrected bearing	do	21	28.	68.	descent, Spruce birch & hemlock —
			28.	68.	
do	do	20	8	.	high mountain to meet —
			15	.	a perpendicular high ledge stopped us for the moment. climbed the mountain with difficulty, by a circuitous route in search of the blazes, but could not find them —
<p>♂ 29th July — Moved the camp to the 14th lot 15th range with a view of taking the line where we had left off between lots 12 & 13, and continuing as far as practicable to the South — and being obliged to send some of the party for provisions were forced to suspend —</p>					
<p>♂ 30th July Frequent Showers throughout the day —</p>					

Magnetical
Course

of Changes

Mag. Lat. -

Distances
Ch. Sta.

Notes and Remarks.

31st July

Heavy rain continuing all day makes it impossible to work

1st August

Proceeded this morning to Redoubt, and sending a man with a flag up the mountain which is very steep, in his ascent he fell on the blaze line which therefore we followed with very steep ascent, being obliged to proceed with only 10 links of the chain at a time in some

N 13 45 E. 16. 20. 28 70.

Corrected breadth 20. 60.

2 2 19 6 .

28 70.

Corrected breadth 18 60.

places and at
marked a part 30. 19. XV XVI. Side of the mountain
Spruce hemlock and beginning of steep descent
gradual ascent
marked a part 19. 10. XV XVI. Rough uneven land
Spruce, birch, & hemlock - Rain begins again in torrents and forced to relinquish and return to Camp -

2nd August

Redoubt this line at 19. 14 -
marked a part of Birch tree 18. 17. XV XVI. Scarcely of steep rocky ledges
edge of a swamp at the foot of the hill -
a track of the river runs E.
marked a part of Spruce tree 17. 10. XV XVI. various strong
land, Spruce birch & hemlock
steep ascent
perpendicular descent
zigzag line becomes again impracticable, and little or no direction having been made since last departure continue along blaze line
gradual descent
steep rocky precipice of 100 ft.
marked a part 16. 15. XV XVI. a small tree 6 hrs. S. edge of a small swamp extending S.E.

2 2 18 28 70.

2 2 17 22 .

28 50

28 70.

Corrected breadth 20 60.

2 2 16 6 .

8 50.

10 .

19 .

24 .

28 70.

Corrected breadth 20 60.

2 2 15 1 .

10 .

28 55

Corrected breadth 20 60.

ascend, Spruce timber -
descent -
found Kilburn's maple tree marked 15. 14. XV XVI. making
a deficiency of 15 links from N 22. planted a part on Promontory
or 2 hrs the

Magnetical
Azimuth.

Mag. Azimuth
of 1st
of 2d

Distance
in
Chs.

Notes and Remarks.

N 13° 45' E

16. 11. 11

28. 70.

The marks on the old tree — and continued the line with
pickets, beginning with gradual descent —
a brook & lake into running East —
marked a post and Birch tree 14. 13. XV. XVI. 50 lbs. W. of old line

Compass
bearing

20. 70

13. 15

a brook & the wide runs E. to the SW end of Lake. Inver distant
0 1/2 chains. Returned to Camp.

24 3rd August

Remained Camp and resumed the line —
steep ascent — lake dist 5 chs.

No.

20

98 70

The post 14. 13. XV. XVI. 127 lbs. west of chained line heretofore
planted coming from North & from the Road, making a
deficiency of 3 chs. from 14. 15 to 9. 8. or 50 lbs. in each lot
While the party carried the camp & stores to the little
Lake North of the Road, we proceeded to change the posts
which gives a corrected breadth of 98. 20 to each lot —

In arriving at the Lake while some of the party were
engaged in erecting the camp, with two others proceeded
to erect a post for its survey, and being stopped by a deep
muddy creek at outlet, went round by the other side to the
inlet, whence we did not reach the Camp until nearly
dark —

25 4th August

Proceeded with the survey of the Lake measuring a base
AB of 9. 10 chs. and taking angles as follows —

OA to OB	360° 0'	OB to OA	360° 0'	OB to Ba	360° 0'
to O1	22° 48'	to B	4° 3'	to 1	16° 48'
1a	41° 39'	Ba	4° 39'	1a	87° 18'
1b	73° 54'	1	16° 36'	1b	113° 48'
1c	115° 39'	1a	22° 12'	1c	140° 45'
1d	139° 7'	1b	33° 9'	1d	149° 58'
O2	165° 24'	1c	40° 22'	2	174° 15'
		1d	53° 40'	A	183° 58'

Hence by calculation the distance AC across the lake and in the line comes out
17. 38 chs. and the course made good from post 14. 15 to post 10. 11 is N 12° 35' E
therefore the edge of the lake being 20 links from post 8. 9 which ought to be here and then being 20 links
more or 50 lbs. from 8. 9 to OA, it will be 17. 38 - 20 = 17. 18 to C across the lake upon little

Magnetical
Courses

of of
of of

of of
of of

Distances
Ch. Ch.

Notes and Remarks -

8th August

While engaged in taking the angles, I sent Mr. Hooper on the Mountain East of us to examine it - He returned without being able to make any discovery about the cause of the great local attraction existing here -

The following angles were taken by me -

OA to OC. - 360° 0'	OC to OB - 360° 0'
to B - 18° 38'	M - 20° 56'
M - 55° 48'	A - 193° 3'
Aa - 239° 42'	Aa (actual) - 168° 8'
D - 256° 48'	D - 175° 30'
Cb - 271° 38'	Cb - 102° 26'
Ca - 333° 35'	Ca - 239° 37'

mountain top of altitude 11° 39'
height just above lake 5 feet

decl. 11. 10'
incl. 3 1/2 feet

In returning the line I have according to calculation as above taken 23.88 to run to complete the 6th lot: therefore running

N 14° 33' E. 16. 6. 5	from lake shore ascent - Spruce timber
9	end of ascent -
23. 88.	marked a post 6.5 XV. XVI. top of knoll - Spruce timber
<hr/>	
5. 2.	descent
3	end of desc -
4. 50	a brook 20 Ch. wide runs S.W.
10	ascent of a steep craggy hill
15. 30	very steep, difficult ascent
17. 50	more gradual do -
24.	gentle descent -
28. 70.	marked a post 5.4 XV. XVI. corner of my land, Spruce and hemlock through the outlet of the lot.
<hr/>	
4. 1. 14.	descent of a perpendicular ledge of rock
7	an alien marsh - good alluvial soil
8.	a brook 15 Ch. wide runs S.E.
9.	end of marsh, Spruce and Cedar
18.	a small swamp, good loamy soil, mixed timber
20.	gentle ascent very good land, Spruce, hemlock, beech, birch and Maple -
28. 70.	marked a post 4.3 XV. XVI. end of ascent, soil & timber as above & returned to camp

Magnetic Course	No of Rangs	No of Sats	Distances	
			Ch	Th.

Notes and Remarks.

♀ 9th August

The weather being wet all day occupied putting Fieldbook & journal in ink, and calculating some of the triangles on the lake

♀ 10th August

Rain continued all day

♀ 11th August

N 73° 35' E	16.	3.	
	26		
	28	70.	
S.	2	9	
	26		
	28	70.	
S.	2	1.	3
	28	83.	
N 81° W	16	1.	24
			25
			27
			30
			36
			39
			43
			55

Procured line at 4:30.
 found a blazed line crossing bearing N 89° W.
 marked a part and Maple tree 3. 2. XV. XVI. Good land continues
 soil loamy throughout the lot
 ash and Cedar swamp. good land.
 end of swamp. Spruce & hemlock
 marked a part 2. 1. XV. XVI. Light soil, Spruce birch & hemlock.
 good land, mixed timber, Birch birch & maple
 The Prompton line - marked a part Prompton. 1. XV. XVI.
 and a beech tree 6 links East of it, with the same mark
 Spruce in the Prompton line - west of swampy land
 end of swamp
 steep descent to a valley running S & N.
 part hill
 a brook 5 the wide runs S. - stony land, beech, birch & maple
 steep ascent of a hill
 top and descent
 Cedar and ash swamp. good land - measured an offset to
 South 2. 40. to the NW end of Long Lake - and sent
 the party back for the Camp.

♀ 12th August

Sent 3 of the party to the road for provisions and with the rest proceeded to part XV. XVI. in the Prompton line - running Spruce

S 83° 15' E.	15		4
			9
		16	15.
			36
			47

cut cedar & Spruce swamp.
 poor land - Spruce timber
 found a part marked XVII. XI. XII. Prompton Spruce line -
 beginning of good land, Beech, birch & hemlock
 a brook 6 links wide runs NE. Gentle ascent
 end of ascent - very good land, Beech, Birch & Maple

Magnetic Course	Angle of Sight	Distances Ch. M.	Distances
			Ch. M.

Notes and Remarks.

S 85° 15' E.	15.	60	descent
		64	cedar & ash swamp.
		68	descent, stony land, spruce timber
		73. 18.	marked a part Brompton to XV. XIV. and a Beech tree N. W. E.
		8. 30.	descent, stony land -

to N. shore of Brompton Lake. I W part of larger Island bearing S 22° W. Station 13 of Lake Survey S. 17° E. - Station 15 S 11° E distant 5 chains - and returned to Camp.

13th August

Engaged putting Journal & Fieldbook in ink

14th August

Redressed the traverse line at 55 M. from part XV. XVI near the Long Lake

N 77° W.	16.	58 50.	steep ascent of a hill
		65 50.	gradual descent
		73. 18.	marked a temporary part XVI. XVII. very good land, Beech, Birch, Poplar

marked a temporary part XVI. XVII. very good land, Beech, Birch, Poplar

N 77° W.	17.	20	descent, land and timber as above
		27	a brook 1/2 lbs wide runs N. E. gradual ascent
		40	end of ascent - good land continues
		47	Brompton range line part XII. XIII. XVIII.
		48	steep descent of the N. West side of hill
		56	part of hill
73. 18.	marked a temporary part XVII. XVIII. - very good land. mixed timber		

marked a temporary part XVII. XVIII. - very good land. mixed timber

N 73° W.	18.	16	a brook 1/2 lbs wide runs N.
		40 83.	found a Hemlock tree, blazed on 40 ft and on the bark marked S. W.
		47	a Cedar swamp.
		54	end of do. and gentle ascent
		73. 18.	put up a temporary part, unnumbered, and running 20 chains farther, and not finding any trace of the Hasty line returned to Camp.

put up a temporary part, unnumbered, and running 20 chains farther, and not finding any trace of the Hasty line returned to Camp.

15th August

The party engaged in constructing a raft for the Survey and work to be done on Long Lake -

In the afternoon proceeded to the temporary part XVII. XVIII in the Brompton line and not finding any trace of Millburn's line, established that part as permanent and

Magnetic Course	No of Chains	Distances	
		To	Th
N 50° W	1	2	50
		17	"
		25	"
		30	70

Notes and Remarks

marked a Beech tree 8 Chs West of it, and started the Range line, running ascent of a hill
 top of do -
 gradual descent along the side of the hill -
 marked a post and Maple tree 1.2. XVI. XVII.

S	2	18	
		20	70

steep descent. Lake 2 1/2 Ch. E.
 marked a post 2.3. XVI. XVII. foot of hill. Lake 70 Ch. E.
 to Lake -

S	3	3	50
---	---	---	----

Went to the other side of the Lake looking out for Hillburn's line - found his Spruce tree marked 2.3.16.16.

Ad. There must have been a considerable error committed by Hillburn as by the measurement on the other side of the Lake there are 10 lbs and 3 1/2 chains -

16th August

N 50° W	16	3	1	63
			25	

Started from Hillburn's post 2.3.16.16. measuring an offset at right angle 2.8 Ch to lake, put up a post A to serve as one of the base for the Lake survey, and continued same course - Birch Spruce undressed for 8 chains, thence good land, Beech Birch & Maple -

N 77° 25' W	16	3	11	60
-------------	----	---	----	----

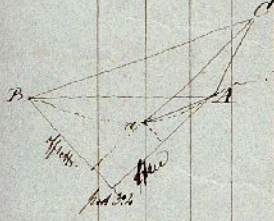
in conformity with Hillburn's old field back, ran at right angles 11. Ch to lake, to the range line between 16th & 17th ranges at 84 Ch from Lake - thence again

N 50° W	17	3	99	
---------	----	---	----	--

found Hillburn's Beech tree marked 1.3. XVI. XVII. Renewed the marks of post, and continued, very good land, Beech, Birch & Maple

S	4	3	87	
---	---	---	----	--

measured an offset at V. to Lake 8.80. when the only favorable situation for the other O of base is offered - and hence by diff. of lat & departure the base AB comes out 36.20.



Angles observed at
 C to A. 360° 0'
 a - 32° 48'
 B - 10° 37'

17th August

Angle BCA = 10° 37'
 BAC = 123° 0'
 ABC = 16° 23'
 180° 0'

Angle a CA = 32° 48'
 A a C = 19° 41'
 a A C = 127° 31'
 180° 0'

Sketch the angles this day and make the calculation.

resulting distance AB = 36.20
 AC = 15.69
 A a = 25.24
 a C = 36.51

and hence the whole distance from post 2.3. XVI. XVII on the 12th of Lake to 2.3. XVI. XVII is 42 chains

Magnetical Courses.	By Sight	Distance in Ch.	Notes and Remarks
			♀ 18 th August Return'd the line
S 13° 35' W	4.	20. 70	marked a post 4.5. XVI. XVII. Good land, mixed timber throughout the lot
	Course's breadth	20. 16.	
	5.	8	ash & cedar swamp.
	11.		end of 1 st gentle ascent - spruce & hemlock
	16.		very good land, Beech, Birch & Maple -
	27.	62.	found a hemlock tree marked by Kilbuck 5.6. XVI. XVII. 150 Ch. 10
	Course's breadth	20. 16.	renew'd marks of post; line corrected breadth 20.16 for 2 but later found part 4.5. - Heavy rain coming on, obliged to abandon and return to Camp
			♂ 19 th August
			Return'd line at post 5.6. taking new departure from post
S 19° 35' W	6.	15	ascent -
	23.		a bush 3 Ch. wind runs E
	24.		steep ascent of a hill - cross blazed line
	28.	70.	marked a post 6.7. XVI. XVII. ^{145 Ch. E of blaz'd line.} Crown of hill
	7.	6	top of hill - irregular & craggy descent -
	20.	70.	Measured last at 1 st along the foot of the hill 5.10 Ch. to the blazed line where, 2 Ch. North of the Lake (The place assigned by Kilbuck) I planted a post and marked a hemlock tree 7.8. XVI. XVII. -
	8.	8	Continued former line & course
	9.		a cedar & spruce swamp.
	18.		cross the inlet 20 Ch. wide
	25.		measured again E at 1 st 10.30 Ch. to the blazed line 1 Ch. South of the Lake. then ascent, good land, Beech, Birch & Maple
S 13° 45' W	30.	70.	5 Ch. from the Lake, agreeable to Kilbuck's post, planted a post and marked tree mark 8.9. XVI. XVII. the tree 12 Ch. S of post.
	9.	7	lily rocks
	15.		good level land, Beech, birch & hemlock
	20.		ash swamp.
	22.		end of 1 st & gradual ascent -
	26.		a perpendicular ledge of rock
	28.	70	marked a post 9.10. XVI. XVII. rocky knoll, spruce timber
	Course's breadth	20. 30	
	10.	3	descent, uneven stony land, Beech, birch & Maple.
	9.	50	steep ascent
	15.		steep descent
	21.		end of 1 st spruce & hemlock

Notes and Remarks.

Magnetic Course	No of Ranges	No of Sts	Distances	W lbs
S 13° 45' W.	17	10.	26.	50.
			20.	70.
Connected breadth		28	30.	
	11.	12.	34	
	X West			

a track 3 lbs wild runs E.
 a part 10. 11. XVI. XVII. light heavy land, spruce & hemlock -

the Montreal road, which we followed to near the XVII. XVIII range line near the 11th mile post where we encamped -

20th August

Went with some of the party to search for the 17th & 18th range line but without success.

21st August

Went again in search of the line and having found some blazes running nearly in its direction near the 11 mile post, and fixed the line N 12° 35' E very good land, Beech, Birch & Grapled Elm - did not proceed many chains before we lost the blazes all together and sent the party to search on each side of the road, without finding any others - therefore continued the course, in hopes of finding them again, and running as far as Long Lake but without success. Commenced therefore measuring from the lake - at 16 ch^s put up a temporary post 7. 8. XVII. XVIII. at 28. 70 an other 8. 9. XVII. XVIII. 30 chains S. of the road. very good land from the road -

22nd August

Being much in doubt about yester days line, a check measured from that line in the road running as follows -

- | | |
|---|--|
| 1. N 47° 10' W - 3. 63. | 15. N 8° 25' E - 3. 54 |
| 2. N 67° 25' W - 3. 63. | 16. N 7° E - 4. 43. |
| 3. N 53° 20' W - 6. 25. | 17. N 33° 40' W - 2. 64. |
| 4. N 52° W - 7. 67. | 18. N 58° 25' W - 3. as to Stake line. |
| 5. N 41° 55' W - 5. 79. | |
| 6. N 48° 45' W - 3. 92. | |
| 7. N 67° 15' W - 4. 76 | |
| 8. N 66° 10' W - 3. 23. | |
| 9. S. 57° 15' W - 2. 50. | |
| 10. S 73° 25' W - 2. 53 | |
| 11. N 83° W - 2. 87. | |
| 12. N 59° 15' W - 2. 17. | |
| 13. N 34° 10' W - 6. 74 | |
| 14. N 26° 5' W - 4. 10. (Lk 90 ch to right) | |

Then the diff. of lat. & departure made good, gave the course N 41. 46' W and distance 76. 18. and this with the course gives the perpendicular or E & W distance of the two extreme points 60 ch 01 link, which is too little for the 18th range and the 17th & 18th range line must therefore be farther down the East -

Measured in the Stake line

taken on the left Lake 2 ch to right

N 73° 35' E.

Stake

15
34
58. 50.

Stream running in the Stuckely Line -
 light strong soil, Birch, Birch, Spruce & hemlock - ascent
 end of ascent & gradual descent - land of timber as above
 crossed the blazed line (first deviation having been 90 Ch. W.)
 beginning of good land. Birch, Birch & Maple -
 Jan. 2. a Birch tree marked VIII. IX. 20. (being a range line part of
 Stuckely). 2.63 west of the line. Soil of timber as above

♀ 9th August -

The weather threatening too much to take the woods, measured
 the distance from the road to McWells's post between the 7th & 8th
 range of Stuckely, which found at 17th ch. 96 Ch. -
 Occasional showers and bad weather - sent 2 of the party to
 look out for the 17th & 18th range line about the brook, and to
 send the man I expect up with bidmit, and a shiff which
 I had ordered to be brought up from the brook for the
 survey of the two lakes, or if the man should not bring the
 shiff, to help him bringing up the canoe from Lake Innes
 The weather clearing up took 2 of the party to measure the
 road from 16th & 17th range line to the 11th mile post in order better
 to ascertain the situation of the 17th & 18th range line - met the
 2 men I had sent in the morning who had found the line
 3 rods chains below the brook. The man with the bidmit & shiff
 has not left the brook on account of the weather - running in the line

1. N 69° 50' W - 19.77	9. N 64° 28' W - 6.26
2. N 59° W - 5.95	10. N 70° 55' W - 4.14
3. N 30° 28' W - 6.82	11. N 50° 35' W - 5.00
4. N 19° W - 5.71	12. N 69° W - 1.77
5. N 64° 15' W - 3.58	13. N 54° 56' W - 5.92
6. N 76° 55' W - 4.56	14. N 72° W - 6.63
7. N 64° W - 4.87	15. N 19° 25' W - 4.88
8. N 52° 25' W - 8.24	16. N 30° 25' W - 4.81. to wrong line

Found by diff of lat & departures, the perpendicular distances between
 the respective lines are as follows -

1. From lake to true line 17th & 18th - 10.18 Ch.
 2. Inceps of 18th range - 3. Ch.
 3. Inceps 17th S - 3.44.

Notes and Remarks.

Magnetic
Compass.

of of
of of
of of

N 12° 35' E.
S 12° 35' W.

10. 7.
16 50.
8 24
28 70.
9. 14 50.
37.
28 70.

4th August
Resuming the 7th & 18th range line from the road to the Lake
renewed the blaze and began the measurement from the Lake
marked a post (according to Willburn's Fieldbook) 7. 8. XVII. XVIII.
and a maple tree 8. 10. to N. Very good land. Beech, Birch & Maple
Cedar & Ash swamp.
marked a post 8. 9. XVII. XVIII. end of swamp
steep descent
end of do
marked a post 9. 10. XVII. XVIII. low land, ash, spruce & cedar.

10. 4
10 20.

a Crotch 10 1/2 miles runs N.E. to a beaver meadow of 3 hrs
the front road — The rain pouring very heavy, glad
to return to Camp.

N.B. The lot #10 being found only to have 25.70 ch. and
lot #7. 33 chains, it may be most proper to shift the posts
7. 8, 8. 9, and 9. 10 for 3 chains to North, which would give to the
8, 9 & 10 lot the 28.70, and the 7th would then be only 31 instead
of 34 ch. consequently less discrepancy. These posts may
easily be changed on a future occasion — But as the
P. & A. Land Company lay these lands out in a different shape
it may be of no consequence —

♀ 25th August —

N 12° 35' E. Station

6.
20
23
24
28
45
65
77. 20.

Resumed the Stationery line at 849 range line of Stationery — running —
descent of 2 ch. good land, Beech, Birch & Maple —
descent of a hill —
end of do — spruce timber —
descent
very good land, Maple, Larch, Birch & Elm —
flat, loamy soil — Ash, Elm & Cedar
bad swampy land — Elm & Spruce —
a blaze line running West — found a fir tree marked IXE with number
of illegible characters except on H Dupuis — Chained line 17th to West
of blaze line. Renewed numbers on part of tree and returned to Camp
where we were pleased to see the man arrived with biscuit, having
had nothing but pea soup for the last 3 meals.

♂ 26th August —

Resumed the line leaving the measurement to commence
at the Promontory line which we fell in with at 12.35 ch. West

~~4443~~

Magnetical
Compass.

Topography
of Days
Distances
Miles
Chs.

Notes and Remarks.

N 19° 35' E.	18.	1.	18. 70.	of the temporary part at 73.18 from 17 th & 18 th range part. marked a part of Stokely 28. Orford XVIII. Brompton. 1.
	2.	2.	20.	marked a part Orford XVIII. 1.2. Stokely. Very good land. mixed timber throughout the lot. 3000 ft.
			50.	to a beach & the wide remaining S.W.
			14.	a fir tree marked 20 on the N.W. side with an inscription in red chalk nearly effaced. — (Stokely range part probably)
			20. 70.	low land, alluvial soil, mixed timber.
			20. 70.	marked a part Orford XVIII. 2.3. Stokely 28. land of timber as above
		3.	28 70	a part Orford XVIII. 3.4. dry land Spruce, Beech & hemlock.
		4.	6	beginning of bad swamp, of considerable extent with occasional change of timber, Spruce, Fir, Ash and Cedar
			28. 70.	the IX & X Range line of Stokely. planted a part marked Orford XVIII. 4.5. Stokely - Continuation swamp.
		5.	12	end of swamp. Good land, mixed timber
		28. 70.	marked a part of Beech tree Orford XVIII. 5.6. Stokely 28. — land of timber as above	
	6.	28 70.	a part of Beech tree marked Orford XVIII. 6.7. Stokely 28. a hill to the East. good hardwood land extending to West	
	7.	20 45.	the VIII & IX Range line of Stokely —	
		28 70.	a part Orford XVIII. 7.8. Stokely 28. side of hill descent	
	8.	4	fast hills.	
		28 70.	a part of hemlock tree marked Orford XVIII. 8.9. Foot of a rocky broad descent	
	9.	1	fast hill —	
		21. 35.	McWells's part on the Montreal road marked Orford. Stokely	

27th August
Putting Journal & Field book in ink

				28 th August Continued the Stokely line to the South from the road —
			28 70	on 7.25 from road marked a part Orford XVIII. 9.10 Unique stony land. Spruce timber.
			15 50.	steep ascent
			21.	gradual do.
			26.	top —
			28 70.	marked a part Orford XVIII. 10.11. land a Beech tree 6 Chs N.E. gradual descent — good land, mixed timber —

Magnetic Course	No. of Chains	No. of Links	Distance		Notes and Remarks.	
			Ch	Ln		
S 12° 35' W.	10.	11	16	"	Spruce & hemlock	
		21	"	"	alder marsh, bearing a mixture of Alder, Ash & white maple —	
		26	"	"	end of marsh —	
		28	70			marked a part of Spruce tree Oxford XVIII. 11. 12. — 82 Ch West of the line
S	12.	2	2	"	good heavy soil, white Ash, birch & maple —	
		28	70			marked a part Oxford XVIII. 12. 13. — 60 Ch W. of the line. good land and mixed timber throughout the lot —
S	13.	6		"	descent. poor stony land	
		28	70			marked a part of Spruce tree, Oxford XVIII. 13. 14. — 170 Ch W. of the line continuation of descent, land and timber as above.
S.	14.	1	60		to a part marked Strickley, Oxford. 1795. on the shore of Strickley Lake — put up a part at the extremity of the line and returned to Camps. +	
		<p>A 29th August —</p> <p>Proceeded to the temporary post XVII XVIII in the Prompton line and found the old Range line 12 chains West of this post, which except in the 17th Range makes up for the deficiencies in the 11th and 12th Ranges. — marked a part Prompton. Oxford 1. XVII XVIII. Height of 12° 35' W, stony land, Birch, Spruce & hemlock</p>				
S	18.	1	21	"	steep ascent of 10 th "	
		25	"	"	Cedar & ash swamps.	
		28	70			marked a part of Cedar tree 1. 2. XVII. XVIII. Continuation of swamps
		2	2			end of swamps & ascent of rocky ground
S	19.	15	"	"	descent —	
		20	"	"	meadow West 3 1/2 Ch to a heavy meadow having a small pond in the middle about 6 Ch E and W. and 10 Ch N and S. Beginning of steep descent —	
		28	50			found Milburn's Hemlock tree marked 2. 3. XVII. XVIII. marked a part and renewed the marks on the tree — brow of hill —
		2	3			steep descent and rugged —
S	20.	28	"	"	a valley —	
		29	90			found Milburn's Birch tree 3. 4. XVII. XVIII. marked a part and renewed the old marks — Gradual ascent of second hill —
		4	30			found Milburn's Spruce tree marked 4. 5. XVII. XVIII. renewed & marked a part — ledgy descent —
S	21.	5	29	30	found Milburn's Birch tree marked 5. 6. XVII. XVIII. and his line cut at 12' which marks renewed with part — finding the line had been run no further to South, continued the picket line being impracticable with the compass	
		6	6			descent very steep
S	22.	27	"	"	Lake shore	

MSW 3

♀ 30th August
Bad weather the whole day - unable to work

♂ 31st August
Began at the road to continue the 17th & 18th range line to the South
at 15.50 from the road marked a post 10.11. XVII. XVIII. 77th Ch. E. of
found a decayed fir tree near this post, blazed on four sides, but too
old to have any marks on it; poor stony land, Spruce & hemlock
found Killbuck's Spruce tree marked 11.12. XVII. XVIII. marked
a post and renewed the old numbers. Having made a deviation
of 3 1/2 Ch. W. from blazed line, took a fresh departure & then came
stony land, Spruce timber
Spruce swamp
marked a post 13.13. XVII. XVIII. 1 Ch. W. of my line - continuation
of swamp.
Leasen meadow 6 Ch. by 9 Ch.
marked a post of hemlock tree 13.14. XVII. XVIII. 2 1/2 Ch. W. of old line
& returned to Camp

S 13 35 W	18	10	28	70	+
	do	11	28	55	+
do	12	6	28	70	
do	13	9	28	70	

♀ 1st September
Resumed the line at 13.14.
good land, mixed timber
marked a post 14.15. XVII. XVIII. land and timber as above
a post and hemlock tree marked 15.16. XVII. XVIII. good land,
Birch, hemlock, ash & maple
a brook 3 Ch. wide running NW.
measured West at 10.65 to a bay of Stethely Lake
marked a post of Spruce tree 16.17. XVII. XVIII. 20 Ch. E. of old line
stony land, Spruce & hemlock
ascend of a rocky gravel
descend to a brook 20 Ch. wide running East
measured West to a post 3.46 Ch. post 8 Ch. N. of 13 Ch. E. of W
marked a post 17.18. XVII. XVIII. 3 Ch. E. of old line
The latitude of the hour obliged us to relinquish proceeding
further. No appearance as yet of Killbuck's impracticable
mountain at the end of 18th Oct

do	14	15	28	70	
do	15	28	70		
do	16	8	50	10	
do	16	10	65		
do	16	28	70		
do	17	12	21	50	
do	17	21	25	50	
do	17	28	70		
do	18	18			

X

Notes and Remarks

Magnetic Compass.	No. of Changes	No. of Stations	Distances	
			Ch.	Ms.

X
WSEA 2.

Y 2nd September

S. 12. 35 W.	17.	11.	20.	70.	From post 10.11. north of road marked a post 11. 12. XVI. XVII. 20 Ch. E.
marked breadth	so	12.	24.	.	a break 7 Ch. miles runs N.E.
marked breadth	so	13.	2.	.	line 2.50 East of mine - stony land, mixed timber
so	so	14.	.	.	steep and rugged - zigzag line becomes impracticable
so	so	15.	50.	.	a break 10 Ch. miles runs W.
marked breadth	so	13.	2.	.	gradual ascent of a hill
so	so	14.	.	.	lost the blaze line & continued with compass
marked breadth	so	13.	2.	.	line 2.50 East of mine - stony land, mixed timber
so	so	14.	.	.	steep and rugged - zigzag line becomes impracticable
so	so	15.	50.	.	a break 10 Ch. miles runs W.

O 3rd September

D 4th September

so	so	14.	26.	39.	ascended the 13 th range line
marked breadth	so	14.	26.	31.	making a deficiency 2.38 N. runs post 8.9. ^{which 5.70 from the angle lake} making the correct
so	so	15.	26.	.	continuation of ascent along the side of the hill -
so	so	15.	26.	.	marked a post of Spruce tree 15. 16. XVI. XVII.
so	so	15.	26.	.	Kilbarn, yet it is so steep & difficult as to render progress

A 5th September

Engaged putting up Stations and marking objects for the Survey of Long Lake. progress too slow with the raft

B 6th September

completed Stations & objects, and obliged to go to Muskegon for supplies, and to get the long expected raft up -

C 7th September

Getting the supplies ready, as well as the raft, for which the party obliged to wait - went to sleep at Orme's.

X
WSEA 2

M. Anau having accompanied me to take a tour and see the highest mountains for which purpose I then take my barometer with me, and being arrived at the Camp this morning with the Skiff ready, M. Geoffroy proceeded to take the angles on the Long Lake, while I with M. Anau and two of the party went to Metchy Lake where we had to enlarge a small raft to cross the Lake to go to the mountains which operation retarded us so much as to oblige us to camp and sleep on M. Carle's Lake.

Angles taken to day by Geoffroy on Long Lake

<p>01. to 011. — 360° 0'</p> <p>11a — 5° 6'</p> <p>6 — 18° 27'</p> <p>12a — 24° 48'</p> <p>013 — 93° 18'</p> <p>13a — 124° 45'</p>	<p>04 to 010. 360° 0'</p> <p>10a — 40° 44'</p> <p>11a — 58° 42'</p>	<p>06 to 08 — 360° 0'</p> <p>A — 61° 21'</p> <p>Aa — 115° 30'</p> <p>B — 126° 9'</p> <p>05 — 155° 0'</p>
<p>02 to 10a — 360° 0'</p> <p>011 — 21° 57'</p> <p>11a — 39° 21'</p> <p>012 — 56° 24'</p> <p>12a — 83° 33'</p>	<p>05 to 08 — 360° 0'</p> <p>0A — 9° 12'</p> <p>Aa — 37° 9'</p> <p>0B — 53° 9'</p> <p>09 — 118° 36'</p> <p>9b — 156° 9'</p>	<p>NB the woods being very thick at the water's edge, only a few stations and objects are visible at a time and from each station</p>

9th September

Continuation of the angles taken by Geoffroy on Long Lake

<p>08 to 0B — 360° 0'</p> <p>uncertain — 9b — 11° 45'</p> <p>05 — 23° 24'</p> <p>6 — 41° 42'</p> <p>C — 61° 33'</p> <p>6a — 136° 57'</p> <p>7 — 167° 6'</p>	<p>360° 0'</p> <p>8° 30'</p> <p>33° 30'</p> <p>41° 48'</p> <p>61° 36'</p> <p>137° 0'</p> <p>167° 12'</p>	<p>0A to 0B — 360° 0'</p> <p>5 — 25° 15'</p> <p>6 — 95° 45'</p> <p>7 — 161° 24'</p>
<p>0B to 05 — 360° 0'</p> <p>6 — 91° 15'</p> <p>C — 94° 21'</p> <p>7 — 98° 45'</p> <p>8 — 106° 48'</p> <p>A — 110° 45'</p>	<p>09. to 4a — 360° 0'</p> <p>4b — 18° 57'</p> <p>4c — 83° 6'</p> <p>5 — 107° 54'</p> <p>6 — 138° 45'</p> <p>8 — 147° 21'</p> <p>A — 150° 24'</p>	<p>011 to 02. — 360° 0'</p> <p>3a — 47° 26'</p> <p>3 — 87° 3'</p> <p>4 — 94° 56'</p> <p>4a — 100° 18'</p> <p>10 — 120° 9'</p> <p>10a — 124° 45'</p>

Some errors having been discovered these angles were taken over again.

<p>012. to 02 — 360°</p> <p>2a — 31° 57'</p> <p>11a — 47° 12'</p>	<p>013 continued —</p> <p>to 10a — 127° 21'</p> <p>11 — 130° 46'</p> <p>11a — 132° 57'</p>	<p>taken on coming down from the mountains. The heights of the various heights as observed are laid down on the plan</p>
<p>013 to 13c — 360° 0'</p> <p>1 — 56° 0'</p> <p>1a — 82° 6'</p> <p>(uncertain) 2 — 94° 36'</p> <p>6 — 114° 64'</p>	<p>Returned myself from Victoria head, and arrived at the Camp late at night, having broken my barometer.</p>	

D and A - 11th 12th September

Rainy ground without intermission and in torrents - the tent in bad condition affords little shelter

♀ 13th September

The weather clearing up this morning, employed the party to carry the skiff down to Suckety Lake, and while the men go back for the Camp and provisions, proceeded in the skiff to select stations and fixing some the parts and objects -

♀ 14th September

Completed the fixing of parts &c for Stations & objects -

♀ 15th September

Measured West from OB to the N. E. side line 44.15 in, thence South in said line 1 ch. to the water's edge and 60 ch. more to OA in the water, which gives the Hypothenuse AB a base of 44 ch: 14 links - and observed following angles

OB to Bt	360° 0'
1c	10° 9'
2	12° 0'
2a	56° 51'
3	115° 15'
4	137° 59'
8 in visible	
9	150° 41'
9b	180° 48'
10	184° 48'
A	185° 33'

OB to OA	360° 0'
A	18° 33'
B	24° 21'
Bt	32° 27'
1c	38° 3'
2	38° 15'
4a	53° 48'
4b	79° 36'
7	116° 33'
6d	146° 0'
8	167° 30'

OB continued	
to 4a	89° 27'
7	108° 36'
8	115° 27'
9a	146° 45'
9b	171° 37'

OB to 8b	360° 0'
9	46° 18'
10	55° 42'
A	69° 54'
4a	71° 33'
7	81° 18'
5	94° 48'

OB to OA	360° 0'
1c	3° 12'
2	6° 15'
2a	19° 24'
3	40° 3'
3a	54° 33'
4	76° 21'

♀ 16th September Continuation of Lake Survey

OB to 1a	360° 0'
1b	36° 45'
1c	161° 33'
2	170° 21'
2a	175° 6'
3	181° 21'
9a	194° 45'

OB to OS	360° 0'
5a	50° 21'
5b	143° 3'
5c	177° 0'
5f	190° 0'
top mountain	136° 0'
altitude 8	8° 3'

OB to O9	360° 0'
9b	47° 15'
10	58° 30'
A	130° 36'
B	145° 9'
Bt	165° 12'
1a	167° 6'
2	171° 42'

Survey of Statutory Lake continued

07. to 2a	360° 0'
3	4° 51'
9	7° 48'
9b	27° 15'
10	31° 6'
A	33° 0'
B	37° 57'
Ba	76° 15'
Bb	104° 6'
1	169° 31'
1a	177° 13'
1b	180° 21'
1c	186° 15'

05 to 5a	360° 0'
5b	8° 36'
5c	11° 27'
5d	12° 45'
5e	27° 39'
6	23° 42'
6a	24° 21'
b	46° 0'
c	89° 18'
d	123° 27'
8	125° 6'
8a	143° 54'
top mountain to B	357° 56'
elevation S	7° 42'

07 to 6a	360° 0'
c	29° 18'
d	90° 30'
8	102° 21'
8b	131° 6'
c	186° 24'
9	202° 3'
Mount Albion	341° 6'
elevation S	7° 0'
Victoria head	81° 27'
elevation	8° 45'

07th September

Calculated the principal triangles which give the following sides

Sides	do. Ch.	Sides	do. Ch.	Sides	do. Ch.	Sides	do. Ch.
AB.	14.24.	4.10	37.56	9.B	88.97	10.8	108.15.
4.B	50.09.	B.10	43.33.	A.10	28.86.	8.9	57.72.
A.4	41.84.	9.10.	58.54.	A.8.	123.33.	7.8	15.02.

18th September

Transported Camp & Craggy this morning to the other side of the Lake, and made some calculations from which the distance between post 13.14 to Station 8 appeared to be 134.39, making 4 lots and 20.59 ch., hence remaining in the Statutory line

Magnetic Course	Angle	Dist.	Ch.	Ch.	Notes and Remarks
S 12° 35' 10"	18.	17.	8	11.	From Lake, followed a post marked 17.18. Oxford XVIII. Statutory -
					Stony land, Spruce & hemlock
					a cedar swamp terminated at 18.00 end of it.
			28.	70.	Marked a post and Spruce tree, Oxford XVIII. 18.19. Statutory. 2 ch. E of post
					Swampy, Spruce, fir & cedar.
					gradual ascent, stony land, mixed timber
			38.	70.	marked a post Oxford XVIII. 19.20. 2 ch. E of ch. line. Part of Oxford Mountain, Victoria head

07th 19th September

					Continued the line.
					ascent of the Mountain, very steep & rugged
			28.	70.	marked a post of maple tree. Oxford XVIII. 20.21. Statutory.
					continuation of ascent along the side of the Mountain jagged line becomes impracticable.

Notes and Remarks.

Magnetical Course.	H. Change	Distances	
		No.	Mts.
112 35' W.	18.	21.	28 70.
"	2.	22.	28 70.
"	2.	23.	28 70.
"	2.	24.	5. 13. 24. 28. 70.
"	2.	25.	19. 22. 28. 70.
"	2.	26.	28 70.
"	2.	27.	13. 28 70.

marked a part Oxford XVIII. 21. 22. -
 a part and then left this marked Oxford XVIII. 22. 23. - a succession
 of rough ascent & descent, having had extremely steep -
 progress slow in consequence and difficult - returned to Camp

20th September -

Continued in the Stubby line -
 marked a part of the line Oxford XVIII. 23. 24. Steep and
 irregular descent throughout the lot
 a brook 4 1/2 m wide running S.W.
 a brook 3 1/2 m wide runs West & ascent -
 end of ascent
 marked a part 24. 25 Oxford XVIII.
 a brook 10 1/2 m wide running West -
 a brook 6 1/2 m wide running S.W.
 a part of spruce tree marked 25. 26. Oxford XVIII.
 a part marked 26. 27. Oxford XVIII.
 Put the blaze in a bush - continued line with junction
 put up a temporary post unnumbered and pointed
 towards some houses by the old horizontal road in Dalton
 with the view of gaining some information regarding
 the corner part between Oxford Stubby & Dalton -
 On descending the mountain Geoffrey fell and hurt his knee
 severely, and the day being too much advanced -

21st September -

Geoffrey's knee very stiff and sore - Being informed
 that one Blake in the neighbourhood had been engaged
 by Mr Wells in removing some of the lines hereabout
 went to see him for information concerning the
 corner in question, but his communication was too
 vague & unsatisfactory to deserve attention - was
 therefore obliged to return to the Camp at Stubby Lake
 where Geoffrey could reach with difficulty -

Magnetical
Compass

No of Range

No of Lot

Distances
No lbs

Notes and Remarks.

22nd September -

Notwithstanding his son James Geoffres attend, and proceeding to the 17th & 18th range line, began at the end of the 18th line in the 18th lot -

S 12° 35' W 10. 18. 28. 70.

a part and spruce tree marked 18. 19. XVII. XVIII. Last the old blaze had stony land, spruce timber -

S 19. 7. 50.

a bush 12 lbs and near N.E. Cedar & spruce swamp.

13.

gradual ascent, stony land, spruce timber & hemlocks -

28. 70.

marked a part 19. 20. XVII. XVIII. Land & timber as above -

S 20. 9.

steep ascent -

30.

gradual descent - spruce & hemlocks.

28. 70.

marked a part of spruce tree 20. 21. XVII. XVIII. descent - timber as above -

S 21. 2.

ascent -

12. 50.

a perpendicular, high & rocky cliff, the mountain extending to the extremity of the line so steep and rugged as to render further progress impracticable.

23rd September -

Heavy rain throughout the forenoon - The weather clearing up in the afternoon, attempted to cross the lake to proceed to the 16th & 17th range line, but it blew so hard that we were obliged to put back. Three men obliged to go home, and to send others in their stead -

24th September -

Geoffres finds his knees much better -

25th September -

Crossed the lake and over the mountain with the baggage which is tedious, and continuing the 16th & 17th range line from part 15. 16.

S 12° 35' W 17. 16. 28. 70.

marked a part 16. 17. XVI. XVII. Alternate ascent and descent, steep and craggy throughout the lot - Sought the party in search of water to fix the camp -

26th September -

Heavy rain all day - impossible to work -

Notes and Remarks.

Magnetism
 Cores
 1851
 1852
 1853
 1854
 1855

♀ 27th September -
 Descended the line -
 a part and for tree marked 17. 18. XVI. XVII. uneven stony land.
 a break 10 lbs wide runs SW.
 a part and for tree marked 18. 19. XVI. XVII
 stony land, Spruce timber -
 a part of Spruce tree marked 19. 20 XVI. XVII. Land as above
 timber mixed
 a break 8 lbs wide runs West -
 a part marked 20. 21 XVI. XVII. uneven rocky land. mixed timber
 a steep craggy ledge - finding considerable local attraction
 went to examine the rock which is of granite formation
 and many traces of oxide of iron, red and brown -
 some fragments affected the south end of the needle considerably
 a deep muddy creek 150 yards wide runs S.E. (Cherry river)
 Cedar & spruce.
 marked a part of hemlock 21. 22. XVI. XVII. ascent -
 uneven land, Spruce and hemlock.
 two men, the Bourgeois joined to replace those who left on
 Saturday. They would have joined on Monday had not
 sweeping the road and looking themselves in the wash.

24 28th September -

Very wet weather all day.

♀ 29th September -

The weather clearing about 10 AM started with the Camp &
 and returned line -
 a small clearing where ashes seem to have been burnt,
 indicates the approach to Squatterville. Uneven rocky land
 Birch, Birch and Spruce
 marked a part of Spruce tree 22. 23. XVI. XVII.
 ascent -
 a craggy cliff. a spur of Mount Victoria
 a part of Birch tree marked 23. 24. XVI. XVII.
 descent -
 a break 10 lbs wide runs N.E.
 marked a part 24. 25. XVI. XVII. ascent, stony land mixed timber.
 (Returned for baggage & encamped at the
 brook)

Magnetic Course	Angle of Slope	Distance		Notes and Remarks.
		Chs	Sta	
				30 th September
				Redound the line
N 19° 35' W	17	25	7	steep ascent
			18	top of gradual descent
			28	70. a part of Maple tree marked 25. 26. XVI. XVII. continuation of descent
	S	26	5	end of descent, level land, spruce, fir & white maple
			10	stony land, mixed timber -
			19	a crack 6 lbs wide runs S.E.
			28	70. marked a part of spruce tree 26. 27. XVI. XVII. land timbered as above
	S	27	1	20. a crack 30 lbs wide runs E.
			19	good land, Beech, Birch & Maple -
			25	dispersed the party in search of the Bottom line, and after a long hunt, when nearly despairing of success, Mr Geoffrey fell in with and followed up the blazes, (which were not renewed since Kilbuck's time) to the junction of the
			27	20. town line with ours, which is at 27. 20
				marked a part Oxford 27. XVI. XVII. Bottom.
				Then following the ^{measures} Bottom line and running
N 75° 30' W	17		6	gradual ascent, good land, mixed timber.
			14	steep do
			20	Foot of Victoria's Crown. Very difficult climbing - found the blazes again as renewed by Mr Wells.
			30	the evening coming on to rain, obliged to put up the Camp at the above intersection of the lines.

31st October 1837.

Heavy rain during all night and succession of Showers all day.

1st October

Redound the town line.

	S		73	18. marked a part Oxford 27. XVI. XVII. Bottom. Southern base of the mountain -
			10	25. beginning of a crack, extending over the SW part of the mountain
			40	a crack 10 lbs wide runs South -
			60	lost the blazes again, having hitherto traced them with difficulty among the burnt trees & stumps

Mag. Nat. Cans. d. of range Distances Alt. lbs

Notes and Remarks.

The rain which had threatened all the forenoon, coming on in torrents, was obliged to give up, and run for Mt. Jerners on the Montreal road (being the nearest place of comfort) where we were received with kindness and attention.

3rd October -

Returned to the Mountain to establish the corner post between Bolton, Oxford & Strickly, and resuming the line intersected the Strickly line through the bush, 3.02 lbs North of the temporary post making 26 full lots and 25 chs 68 lbs for the 27th lot in the Strickly line differing in all 68 lbs from Williams' report -

475° 30' W. 18 44 50 82 50

There being an excess of 21.32 lbs in the sum of the 17th & 18th ranges in the Bolton line, I give 17 chains to the 17th range to correspond with its depth in the Brompton line, which makes the 18th range 82.50 in the Bolton line, while in the Brompton line Dis 73.53

4th October -

Struck the Camp at sunrise, leaving some of the party to carry the baggage, proceeded to measure from the post between 17th & 18th ranges in the Bolton line -

475° 30' E. 16

- 2 - descent -
- 4 - foot so - good land, mixed timber -
- 21 - a brush 15 lbs wide runs S.E. very good land, ash, spruce, cedar.
- 35 - mixed timber, spruce, birch & maple -
- 43. 60 - the post between 15th & 16th ranges. good land throughout the range and proceeded to Oxen's with the party -

5th October

Proceeded to the small lake on the 18th & 19th lots in the 18th range. On arriving on the East shore measured an offset of 3.17 lbs. from point A to the range line 13th & 14th ranges, thence along said line 16.60. and thence back to Lake at B at right angle 5.09 lbs. which calculation gives a base AB of 15.70 lbs.

Marked stations & objects and observed following angles

OA to Aa	360° 0'	OB to OA	360° 0'	obliged to Sleep at this Lake
- b -	7° 30'	Aa	43° 6'	
- C -	10° 31'	b	50° 57'	
- d -	29° 42'	a	57° 57'	
- e -	79° 21'	c	110° 42'	
- B -	131° 45'			

♀ 6th October

The weather having been very wet this morning, as it cleared up about noon started and returned to Crinis, where I expected to find a Cart which I ordered up to bring the baggage down to Sherbrooke but which did not arrive till evening —

♂ 7th October

Set out for Sherbrooke, and on the way down, at every range line I put up a post where it crossed the road with the marks of the respective Ranges and arrived at Sherbrooke about sunset —

○ 8th OctoberD 9th October

Employed in making out the mens' accounts —

♂ 10th October

Having got the money out of the Banks settled with the party and discharged them paying them to this day inclusive —

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