

Canada Department of Mines

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GEOLOGICAL SURVEY

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FRASER RIVER INVESTIGATION

Issued 1921

CONTROL SHEET, C.

Triangle	Observed Angles	Adjusted Angles	Side	Length in feet
35	75 48 20.8	75 48 22.2	35-28	4560.52
37	40 19 55.8	40 19 57.2	37-35	6048.26
28	63 51 39.2	63 51 40.6	28-37	6531.61
	<u>179 59 55.8</u>	<u>180 00 00.0</u>		
28	59 41 25.8	59 41 24.4	28-37	6531.61
30	74 47 30.8	74 47 29.4	30-28	4829.28
37	45 31 07.5	45 31 06.2	37-30	5945.44
	<u>180 00 04.1</u>	<u>180 00 00.0</u>		
30	89 26 05.8	89 26 03.8	37-30	5943.44
37	45 39 14.2	45 39 12.5	32-30	5919.78
32	44 54 45.8	44 54 45.9	32-37	8276.17
	<u>180 00 05.8</u>	<u>180 00 00.0</u>		
32	92 11 57.5	92 11 58.3	32-37	8276.17
36	47 41 12.5	47 41 13.5	36-32	7050.49
37	29 06 47.7	29 06 48.4	37-36	11174.45
	<u>179 59 57.7</u>	<u>180 00 00.0</u>		
37	33 44 07.5	33 44 04.8	37-36	11174.45
39	86 10 25.6	86 10 25.8	39-37	9707.95
36	60 05 34.2	60 05 31.4	39-36	6219.58
	<u>180 00 08.3</u>	<u>180 00 00.0</u>		
39	42 54 33.3	42 54 33.3	39-36	6219.58
41	100 01 15.0	100 01 15.1	41-39	3807.17
36	37 04 11.6	37 04 11.6	36-41	4500.13
	<u>179 59 59.9</u>	<u>180 00 00.0</u>		
36	48 46 20.8	48 46 22.2	36-41	4500.13
38	66 16 28.3	66 16 29.7	38-36	4255.36
41	64 57 06.6	64 57 06.1	41-38	3532.70
	<u>179 59 55.7</u>	<u>180 00 00.0</u>		
41	64 40 11.6	64 40 12.4	41-38	3532.70
45	74 12 45.0	74 12 45.9	45-41	2414.170*
38	41 07 00.3	41 07 01.7	38-45	3318.24
	<u>179 59 57.4</u>	<u>180 00 00.0</u>		
38	41 07 03.3	41 07 03.3	38-43	3318.24
40	73 33 47.4	73 33 47.4	40-38	2145.58
43	65 19 09.2	65 19 09.3	43-40	2275.07
	<u>179 59 59.9</u>	<u>180 00 00.0</u>		
43	47 51 11.6	47 51 10.6	43-40	2275.07
45	65 45 45.6	65 45 45.6	45-43	2358.02
40	68 23 04.9	68 23 03.8	40-45	1880.55
	<u>180 00 05.1</u>	<u>180 00 00.0</u>		

* Side 43-41, check base line, measured distance 2414.069

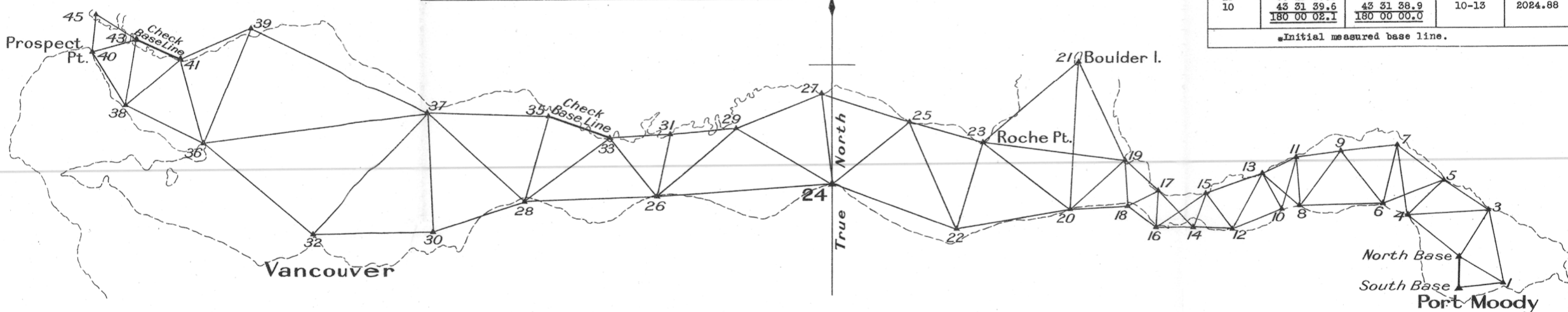
Triangle	Observed Angles	Adjusted Angles	Side	Length in feet
20	47 23 33.3	47 23 35.6	20-23	5394.98
22	63 40 57.9	63 41 00.3	22-20	5616.37
23	68 55 21.7	68 55 24.1	23-22	4430.12
	<u>179 59 52.9</u>	<u>180 00 00.0</u>		
23	89 38 48.5	89 38 46.4	23-22	4430.12
25	49 49 32.5	49 49 30.5	25-23	3767.69
22	40 31 45.0	40 31 43.0	22-25	5797.87
	<u>180 00 05.8</u>	<u>180 00 00.0</u>		
22	46 07 45.0	46 07 45.3	22-25	5797.87
25	74 42 55.8	74 42 56.1	24-22	6514.16
24	59 09 18.3	59 09 18.6	24-25	4868.29
	<u>179 59 59.1</u>	<u>180 00 00.0</u>		
25	57 07 24.6	57 07 25.0	24-25	4868.29
24	57 50 08.3	57 50 08.8	27-25	4545.66
27	65 02 25.8	65 02 26.2	27-24	4509.78
	<u>179 59 58.7</u>	<u>180 00 00.0</u>		
27	74 39 41.6	74 39 43.6	27-24	4509.78
29	52 28 53.5	52 28 53.5	29-27	4552.38
24	52 51 25.0	52 51 25.1	24-29	5483.34
	<u>179 59 59.9</u>	<u>180 00 00.0</u>		
24	34 29 00.0	34 29 00.3	24-29	5483.34
26	37 24 07.5	37 24 07.7	26-24	8580.05
29	108 06 51.7	108 06 52.0	29-26	5111.06
	<u>179 59 59.2</u>	<u>180 00 00.0</u>		
29	35 10 28.5	35 10 26.7	29-26	5111.06
26	36 40 02.5	36 40 00.9	31-29	3212.11
31	108 09 33.9	108 09 32.4	31-26	3098.62
	<u>180 00 04.7</u>	<u>180 00 00.0</u>		
31	75 59 33.0	75 59 30.6	31-26	3098.62
33	54 26 14.2	54 26 11.8	33-31	2899.57
26	49 34 20.0	49 34 17.6	26-33	3695.85
	<u>180 00 07.2</u>	<u>180 00 00.0</u>		
26	54 03 18.3	54 03 20.3	26-33	3695.85
28	34 31 02.5	34 31 04.4	28-26	6520.10
33	91 25 33.3	91 25 35.3	33-28	5280.23
	<u>179 59 54.1</u>	<u>180 00 00.0</u>		
33	55 33 56.6	55 33 56.7	33-28	5280.23
28	37 19 05.8	37 19 05.9	35-33	3205.158*
55	37 06 57.4	37 06 57.4	35-28	4560.52
	<u>179 59 59.8</u>	<u>180 00 00.0</u>		

* Side 55-33, check base line, measured distance 3205.332

Triangle	Observed Angles	Adjusted Angles	Side	Length in feet
10	82 33 11.6	82 33 12.5	10-13	2024.88
12	40 06 54.1	40 06 55.0	12-10	2645.48
13	57 19 51.7	57 19 52.5	13-12	3116.12
	<u>179 59 57.4</u>	<u>180 00 00.0</u>		
13	42 35 08.3	42 35 09.0	13-12	3116.12
15	72 20 15.0	72 20 15.8	15-13	2958.97
12	64 54 34.4	64 54 35.2	12-15	2210.94
	<u>179 59 57.4</u>	<u>180 00 00.0</u>		
12	50 38 51.0	50 38 52.9	12-15	2210.94
14	73 08 52.6	73 08 54.4	14-12	1919.77
15	55 12 10.8	55 12 12.7	15-14	1786.35
	<u>179 59 54.4</u>	<u>180 00 00.0</u>		
15	35 43 10.0	35 43 11.2	15-14	1786.35
16	34 13 00.0	34 13 01.3	16-15	2983.92
14	110 03 46.2	110 03 47.5	14-16	1854.62
	<u>179 59 56.2</u>	<u>180 00 00.0</u>		
14	45 16 53.5	45 16 53.8	14-16	1854.62
17	48 57 55.8	48 57 56.0	17-14	2533.22
16	86 45 10.0	86 45 10.2	16-17	1833.82
	<u>179 59 59.3</u>	<u>180 00 00.0</u>		
16	55 41 21.7	55 41 24.0	16-17	1833.82
18	65 05 31.1	65 05 33.4	18-16	1737.02
17	59 13 00.4	59 13 02.6	17-18	1670.07
	<u>179 59 53.2</u>	<u>180 00 00.0</u>		
17	69 55 06.0	69 55 05.3	17-18	1670.07
19	43 30 31.7	43 30 32.0	19-17	2225.82
18	66 54 22.4	66 54 22.7	18-19	2278.30
	<u>179 59 59.1</u>	<u>180 00 00.0</u>		
18	88 54 57.0	88 54 55.2	18-19	2278.30
20	39 02 20.0	39 02 18.2	20-18	2852.24
19	52 02 48.2	52 02 46.5	19-20	3616.61
	<u>180 00 05.2</u>	<u>180 00 00.0</u>		
19	49 12 30.8	49 12 28.1	19-20	3616.61
23	30 29 59.2	30 29 56.4	23-19	7011.32
20	100 17 38.3	100 17 35.5	20-23	5394.98
	<u>180 00 08.3</u>	<u>180 00 00.0</u>		
23	47 57 31.7	47 57 34.5	23-19	7011.32
19	57 38 50.8	57 38 53.6	19-21	5407.14
21	74 22 29.1	74 22 31.9	21-23	6150.35
	<u>179 59 51.6</u>	<u>180 00 00.0</u>		

Triangle	Observed Angles	Adjusted Angles	Side	Length in feet
S. Base	83 16 56.6	83 16 55.6	S. B-N. B.	1522.61
N. Base	60 20 17.0	60 20 15.9	1-S. B.	2250.65
1	26 22 49.6	26 22 48.5	1-N. B.	2549.42
	<u>180 00 03.2</u>	<u>180 00 00.0</u>		
1	47 34 49.6	47 34 51.6	1-N. B.	2549.42
3	43 13 47.5	43 13 49.5	3-1	3721.76
N. Base	89 11 17.0	89 11 18.9	N. B-3	2747.80
	<u>179 59 54.1</u>	<u>180 00 00.0</u>		
N. Base	81 24 13.2	81 24 11.4	N. B-3	2747.80
4	45 55 47.9	45 55 45.2	4-N. B.	3254.42
5	54 42 04.2	54 42 02.4	3-4	3918.52
	<u>180 00 05.3</u>	<u>180 00 00.0</u>		
3	37 38 55.8	37 38 55.2	3-4	3918.52
5	101 34 19.2	101 34 18.6	5-3	2612.48
4	40 46 46.7	40 46 46.2	4-5	2443.16
	<u>180 00 01.7</u>	<u>180 00 00.0</u>		
4	53 29 20.0	53 29 19.4	4-5	2443.16
7	44 20 07.5	44 20 06.9	7-4	3463.37
5	82 10 34.2	82 10 33.7	5-7	2809.81
	<u>180 00 01.7</u>	<u>180 00 00.0</u>		
5	59 24 32.4	59 24 32.9	5-7	2809.81
6	54 19 17.5	54 19 17.9	6-5	3156.59
7	66 16 08.8	66 16 09.2	7-6	2977.64
	<u>179 59 58.7</u>	<u>180 00 00.0</u>		
7	69 50 05.1	69 50 07.1	7-6	2977.64
9	58 33 52.5	58 33 54.5	9-7	2734.94
6	51 35 56.4	51 35 58.4	6-9	3275.92
	<u>179 59 54.0</u>	<u>180 00 00.0</u>		
6	53 10 18.9	53 10 18.9	6-9	3275.92
8	51 59 35.0	51 59 35.0	8-6	4037.50
9	75 10 05.2	75 10 06.1	9-8	3343.16
	<u>180 00 00.1</u>	<u>180 00 00.0</u>		
9	45 05 22.9	45 05 23.3	9-8	3343.16
11	93 33 06.8	93 33 06.2	11-9	2213.30
8	41 21 30.0	41 21 30.5	8-11	2372.23
	<u>179 59 58.7</u>	<u>180 00 00.0</u>		
8	44 30 23.5	44 30 22.9	8-11	2372.23
13	66 03 31.7	66 03 31.0	13-8	2430.19
11	69 26 06.7	69 26 06.1	11-13	1819.45
	<u>180 00 01.9</u>	<u>180 00 00.0</u>		
11	50 02 15.0	50 02 14.3	11-13	1819.45
13	86 26 07.5	86 26 06.8	10-11	2636.74
10	43 31 39.6	43 31 38.9	10-13	2024.88
	<u>180 00 02.1</u>	<u>180 00 00.0</u>		

* Initial measured base line.



RECTANGULAR COORDINATES IN FEET
Referred to Meridian through Station 24