

Station	Gradient Pairs	Readgs on Rod	Resulting Distance	Height of In- strument	Difference of Level	Elevation above Datum	Check Gradient	REMARKS
1) -Bs	100 & 50	15.55 8.28	727	4.92	+17.90	3086.56 3104.46	40.6	B.M. No. 1 On side of Ridge
+Fs	11½ & 10	0.74 7.92	718 (1445)		+68.80	3173.26	10.44	On stone—Summit of ascent
2) +Bs	100 & 50	3.11 14.91	1180 (2625)	4.70	-13.39	3159.87	88	N. edge of coulee
-Fs	12½ & 11½	15.09 1.91	1318 (3943)		-115.83	3044.04	11.4	Bed of coulee—(flowing springs)
3) -Bs	50 & 33½	10.83 1.11	972 (4915)	4.80	+25.47	3069.51	38.2	S. edge of coulee
+Fs	25 & 20	2.47 11.20	873 (5788)		+37.25	3106.76	23.4	On plug
4) +Bs	0 & 100	2.70 16.00	1330 (7118)	4.88	-2.18	3104.58		N. outline of river valley
-Fs	11½ & 10	15.55 1.40	1415 (8533)		-138.02	2966.43	10.2	W.L. of river—N. shore

The above are actual readings taken in the field during the ordinary season's work.