

COMPARISON OF WELLINGTON DISTRICT TRIANGULATIONS—*continued*.

Surveyor and Survey District.	Average Error in Summation.	Side.	Bearings.	Distances.	Discrepancy per Mile.	Remarks.
J. Baber, jun., Wai-opehu, Arawaru, and Mount Robinson	18"	M-Cliff No. 3	...	lks. 48,260.6 66.9 diff. 6.3	1.0	Polygonal closes within the work.
		C-N	...	29,086.3 80.8 diff. 5.5	1.5	
		H-E	...	23,922.2 25.7 diff. 3.5	1.2	
		C, Tawirikohu, to G, Mount Dundas	...	29,185.0 90.0 diff. 5.0	1.4	To bring Mr. Baber's work into harmony with the major triangulation, an angular correction of only 3" was required.
		D, Makahika, to H4, Ngapuketerua	...	28,918.9 13.5 diff. 5.4	1.5	
		A, Tepaki, to K, The Peaks	...	21,504.1 01.0 diff. 3.1	1.2	

NOTE.—The mean discrepancy derived from the foregoing comparisons, without any attempt at selection, between the major and minor triangulations throughout the Wellington Provincial District, being the work of numerous surveyors, founded upon many independent bases, amounts to 0.87 link per mile.

SURVEYS IN WELLINGTON PROVINCIAL DISTRICT, 1881-82.—TRAVERSE CLOSURES.

Surveyor.	Survey District.	Traverse.		Length in Miles.	Closing Error.		Error per Mile.		Average Length of Lines in Chains.
		From	To		Mn.	Pr.	Mn.	Pr.	
A. Dundas and C. W. Thompson	Pohangina ...	Stream traverse	Stream traverse	3½	4.3	17.3	1.2	4.6	5½
		Cliff 3 ...	Cliff 4 ...	2	4.1	4.9	2.0	2.4	5½
		" 6 ...	" 7 ...	1	3.4	1.0	3.4	1.0	5½
		Beehive Creek traverse	...	5	0.9	13.0	0.2	2.6	5½
		R peg ...	Trig. AA ...	3½	3.9	14.4	1.2	4.4	3½
		Peg LIII ...	" CC ...	2	2.1	1.9	1.0	1.0	3½
		R peg ...	R peg ...	1	5.5	7.5	5.5	7.5	3½
		" ...	" ...	1½	4.4	6.4	3.0	4.3	3½
		" ...	" ...	2	3.3	2.0	1.6	6.0	3½
		Peg XIV ...	Peg LXXXVIII ...	2	7.0	5.6	3.5	2.8	3½
		Trig. D ...	Township ...	2½	8.3	9.6	3.7	4.3	3½
		Township ...	Cliff No. 4 ...	1½	2.6	1.3	1.5	1.0	3½
		Cliff 4 ...	Peg XX ...	2½	2.8	10.2	1.2	4.5	3½
		Peg XCVIII ...	" LXVII ...	2½	2.3	16.5	1.0	7.3	3½
		" LXVII ...	" XCVI ...	1	2.6	4.8	2.6	4.8	3½
		" XCVI ...	Trig. H ...	¾	3.7	1.2	4.8	1.6	3½
F. W. Knowles ...	Waitohu and Wai-opehu	Trig. H ...	" I ...	5½	11.3	4.6	2.1	0.8	3½
		Peg XC ...	" O ...	1½	7.9	8.3	4.5	4.7	3½
		Trig. Beaven ...	Peg X ...	2	7.9	8.4	3.9	4.2	
		" Poroporo ...	V ...	2½	5.4	12.8	2.2	5.1	
		IT ...	Peg XL ...	3	1.5	0.4	0.5	0.1	
				1½	2.5	0.5	2.0	0.4	
		Sandy ...	Peg I ...	2	2.3	2.3	1.1	1.1	16
		" I ...	" VIII ...	1½	2.4	0.0	1.6	0.0	16
		" I ...	" XIV ...	1½	0.8	1.3	0.5	0.7	16
		" VII ...	Block D ...	4½	1.8	2.7	0.4	0.6	16
E. R. Foster ...	Kopuaranga ...	" VII ...	Trig. Gray ...	2½	4.5	11.4	2.0	5.0	4
		Trig. Hewi-iti ...	" ...	2½	7.4	14.8	3.0	6.0	4
		Peg CXXIX ...	Peg CXLII ...	1½	3.9	5.9	7.8	11.8	4
W. Snowden ...	Port Nicholson...	Peg XCII ...	Hewi-iti ...	1½	7.4	9.2	4.2	5.3	4
		D ...	T ...	5½	19.4	6.8	3.7	1.3	3
		Printers' Flat ...	G ...	1½	8.1	0.9	4.6	0.5	3
		G ...	H ...	1½	10.6	6.3	8.5	5.0	3
		H ...	I ...	½	1.9	0.9	3.8	1.8	3
		I ...	No. 80 ...	2½	0.6	5.9	0.3	4.7	3
		Peg I ...	Peg X ...	¾	6.0	0.8	8.0	1.1	3
		" X ...	G ...	1	1.9	2.2	1.9	2.2	3
		" X ...	Grave flag ...	1½	12.2	1.4	7.0	0.8	3
		Waiariki Stream ...	...	2½	8.7	6.3	3.2	2.3	3
		J ...	Ohau Bay ...	1	2.6	0.2	2.6	0.2	3
		J ...	Kaminaru ...	1.7	3.7	1.6	3.7	1.6	3