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APPENDIX E (Continued)GEOCHEMISTRY (Continued)TABLE 25Rolleston Soil Sampling 1980-81

<u>Line</u>	<u>West end</u>	<u>East end</u>	<u>Distance</u>	<u>"A" Samples</u>	<u>"B" Samples</u>
56N	1100'W	2000'E	945 m	47	38
48N	1400'W	1500'E	885 m	40	38
40N	1000'W	1500'E	760 m	36	36
		TOTALS	2590 m	123	112

All samples collected with 1 m hand augers and stored in calico bags. After drying they were sieved to obtain a -80# fraction (the +80# fraction was retained and kept in storage at Mount Lyell).

0.25 g of sample was heated in 5 ml of 1:3 nitric acid/perchloric acid. After digestion the solution was topped up to 25 ml with distilled water and analysed by AAS for Cu, Pb, Zn, Ag, Mn and Co at Mount Lyell.

Rock chip samples were crushed and pulverised in the Mount Lyell sample preparation room. To prevent contamination from Mount Lyell ore, several blanks, consisting of quartz sandstone from a road quarry near the Queenstown aerodrome, were used to clean out the crushers prior to crushing the exploration samples. The pulverised fraction was assayed at Mount Lyell in the same manner as for soil samples. Sample locations and assays are listed in Appendix G.

4. GEOPHYSICS(i) Gradient ArrayTABLE 26Selina Gradient Array Electrodes 1980-81

<u>Array No.</u>	<u>A.M.G. Co-ordinates</u>		<u>Lines Surveyed</u>
	<u>West electrode</u>	<u>East electrode</u>	
1	5364025N	5364225N	184N-160N
	384770E	386570E	West ends
2	5363020N	5363480N	160N-136N
	384725E	386785E	West ends
3	5362370N	5362810N	136N-112N
	384960E	387015E	West ends
4	5363975N	5364495N	184N-160N
	385500E	387575E	East ends
5	5362930N	5363470N	152N-128N
	385715E	387450E	East ends
6	5362465N	5363090N	120N- 96N
	385530E	388000E	East ends