

Significant Pb-Zn assays came from line 48N, 750'E-500'E, and line 40N, 550'E-250'E. The highest "B" sample assays were 2400 ppm Pb, 130 ppm Zn, 5 ppm Ag at 48N, 750'E, and 820 ppm Pb, 260 ppm Zn at 40N, 550'E. On both lines assays gradually decrease downslope from these peaks, towards the west. Hence, the zone represents downslope movement from a narrow mineralised source at surface, which produced I.P. anomaly A2. Minor pyrite-galena was noted in an old working at 48N, 730'E.

3. Rocks

(i) Selina Grid

Pits were blasted on line 128N over Pb-Zn-Ag soil anomalies and on lines 144N and 184N over I.P. anomalies caused by the eastern pyrite zone. Soil and rock chip samples were taken from the pits. Assays are given in Appendix F. Significant rock chip assays are given in Table 4.

The soil profile samples confirmed previous soil anomalies and showed no significant variations within the profiles.

The pyritic rock samples from lines 144N and 184N were low in base and precious metals, the highest values being 380 ppm Cu, 220 ppm Pb, 500 ppm Zn, 5 g/t Ag and 0.3 g/t Au. Cobalt assays were also quite low, the highest being 120 ppm Co from a massive pyrite sample from 144N, 290 mE. This is significant as samples from the western pyrite zone showed high Co values in proportion to the amount of pyrite (Hutton, 1980, p21).

Rock samples taken from the line 128N pits assayed up to 160 ppm Cu (at 60 mE), 2500 ppm Pb (120 mE), 710 ppm Zn (60 mE) and 14 g/t Ag (60 mE). The samples contained patchy magnetite, of probable secondary origin, but no visible sulphides.

(ii) Rolleston Grid

Two rock chip samples from the Rolleston Grid area were submitted for assay during 1980-81 (Appendix F). One sample was composed of several pieces of pyritic drill core found at the LSI drill site. The other came from an old working at 48N, 730'E. Neither gave significant assays.

(iii) Dora Grid

Six rock chip samples from old workings near Walford Peak were submitted for assay during 1980-81 (Appendix F). Significant assays are given in Table 4.

TABLE 4

Selina-Dora, Rock Chip Geochemistry 1980-81. Significant Assays

Sample Number	Field Location *	Type of Sample	Lithology	Cu %	Pb %	Zn %	Ag g/t
27384	LS 128N, 60 mE	Random	Lithic tuff	.02	.17	.07	14
27386	LS 128N, 120 mE	Random	Lithic tuff	.01	.25	.06	3
27341	LD 72S, 900'W	Picked	Altered xl tuff	.19	.03	.08	4
27332	LD 76S, 50'E	Random	Altered ? lava	.02	.53	.09	5
27331	LD 78S, 500'W	Random	Altered ? lava	.03	.17	.36	3

* LS = Selina Grid; LD = Dora Grid