4. Ground E.M.

A test survey was conducted on line 128N, 4050'W-2100'W, using the Geoterrex Max-Min frequency domain ground E.M. system in the horizontal loop mode. Five frequencies were recorded for most of the survey, with a coil spacing of 150 m. The in-phase and out-of-phase responses were plotted at the mid-point of the coil configuration (Figure 43).

As is typical for this type of system the higher the frequency the better the resolution and, theoretically, the shallower the ground penetration. In this survey the 3555 Hz channel gave the strongest responses of -12% in-phase and -21% out-of-phase at 2500'W. The gradient array resistivity low was 304 ohm-m at 2575'W (Figure 44).

2.3.6 Diamond Drilling

Reassaying of old drill core continued during the early stages of 1980-81. Intervals submitted for assaying are given in Table 30 in Appendix E. Table 5 lists significant assays.

One diamond drill hole (LS8) was planned to test the eastern pyrite zone on line 184N but delays due to unavailability of a drill rig and slow progress on necessary roadworks has rescheduled the drilling to early in 1981-82.

TABLE 5

Selina-Dora Drill Core Re-assaying 1980-81 Significant Assays

Hole	Interval	Length	Significant Assays *
LS 2	645'-650'	1.5 m	10 g/t Ag
LS 3	345'-350'	1.5 m	11 g/t Ag
LS 5	700'-710'	3.0 m	11 g/t Ag
	715'-720'	1.5 m	0.25% Cu
	735'-750'	4.6 m	0.42% Cu
LS 6	385'-395'	3.0 m	0.82% Cu
	415'-425'	3.0 m	12 g/t Ag
	690'-695'	1.5 m	0.67% Pb, 0.38% Zn, 20 g/t Ag

* Cu $\geq$ 0.25%; Pb + Zn $\geq$ 1.0%; Ag $\geq$ 10 g/t

2.3.7 Conclusions

1. A significant zone of disseminated to sub-massive pyrite was located between 136N, 180 mE and 184N, 450 mE, open to the north, giving rise to strong chargeability anomalies and minor Cu soil anomalies. Rock chip samples gave insignificant base and precious metal values. A diamond drill hole (LS8) is planned to test this zone on line 184N.

2. A zone of strong Pb-Zn-Ag soil geochemical anomalies was detected between lines 128N and 104N, straddling the baseline and measuring approximately 900 m x 780 m (Figure 26). No sulphide mineralisation has been found within this zone and further detailed work is recommended to define drilling targets.