ANALYTICAL DATA COMPILATION
Lara-Chemainus Properties

I. BLUE FOLDER - Drill Hole Data ONLY

- Metals ONLY
- 'Assay' Data (Cu, Pb, Zn, Ag, Au, Ba)
  Lithogeochem data [SiO_2, Al_2O_3, CaO, MgO, Na_2O, K_2O, FeO_2, TiO_2 + (Al, MgNa, CuZn)]

- Minnova a) Assay Data and b) Lithogeochem Data are listed in separate sections. [(a) and (b) sourced from separate computer files].
- Falconbridge Assay and Lithogeochem are listed together, distinguished only by Assay # Prefix, A - Assay; V - Whole Rock
- Both Minnova and Falconbridge data are listed in order of
  1. Drill hole number
  2. Drill hole footage (hole coordinates not listed)

II. RED FOLDER - Drill Hole and Surface Data

- 'Oxides' and metals
- Minnova Drill Hole 'Oxides']
  Minnova Surface Sample 'Oxides'] separate sections
  Minnova Surface Sample Metals]
- Falconbridge Drill Hole Oxides]
  Falconbridge Surface Metals] separate sections
  Falconbridge Surface Oxides]

- Minnova surface samples are identified by assay # which may be:
  - *number only (no coordinates) by year
  - *number including trench reference (no coordinates) by year
  - number including grid coordinates (few only) by year

  Therefore, considerable work is needed to obtain coordinates for all samples.

  ** No serious attempt has been made to identify on maps, reports and it is not known if this is possible from the data in our possession.*

- Falconbridge surface samples identified by:
  - number]
  - coordinates] Kidd Creek
  - rock type] rock codes
  - alteration]

III. ASSAYING/ANALYSES

A. Minnova/Abermin

1985 a) Cu, Pb, Zn, Ag — HNO_3-HCl Hot extr. + AA
Au — Fire Assay — Fire Assay AA

b) (Ref. B. Smee report - lithogeochem of drill samples)
- 21 of 58 holes selected for lithogeochem
- rep. core samples from HW and FW cut by diamond saw - '2-metre shavings' (kraft bag size sample)
  Samples taken at least 10m into HW and FW in all 21 holes
- Analysed by Mauratte Res. & Services, Calgary

X-ray fluorescence [+ - 150 mesh
[+ Cu, Pb, Zn, Ag, Ba, As, S
[SiO_2, Al_2O_3, TiO_2, FeO, MnO, CaO,
[MgO, Na_2O, K_2O

1986 ↓ ?

B. Falconbridge Analytical Procedure varied between 1987 and 1990.

1987 a) Bondar Clegg
Cu, Pb, Zn, Mo, Ag, Fe, Mn, Cd, Co, Ni, As - HNO_3-HCL Hot extr. ↓ DC Plasma

Au - Fire Assay + AA

Ba - X-ray fluorescence

Base metals > 3000ppm re-analysed by standard assay techniques
Ag > 30ppm re-analysed by standard assay techniques
Au > 1000ppb re-analysed by standard assay techniques

b) X-Ray Assay Labs - Don Mills
Lithogeochemical analyses
'Standard major oxide' package including Cu, Zn, Ba

1988 Same as 1987

1989 a) Bondar Clegg
HNO_3-HCl hot extraction + 29 element ICP
Au - 10g fire assay + AA
Ba - XRF

Automatic assaying for Cu, Pb, Zn > 3000ppm
Au > 1000ppb
Ag > 30ppm

b) X-Ray Assay Labs
Lithogeochem analyses - 17 element + Cu, Zn, Ni

1990

a) Bondar Clegg, as above, but note ref. from Falconbridge 1990 report: *"Inherent to the ICP method is interference between certain elements to produce incorrect results. A high calcium content may cause erroneously high values as As, Ce, Co, and Sr, but there should be no effect on the Cu or Zn values"* (Robert Szava-Kovats, Bondar-Clegg; pers. comm. March 8, 1990).

At the beginning of the program erroneously high copper and lead ICP results were received which did not correspond with assay results (sample shipments 90-1 and 90-2). Subsequent re-analysis (ICP) of these samples appears to have corrected the problem, but the copper, silver, gold, cobalt, lead, and arsenic values for the standards are still too high. Analyses of standards in later shipments correspond reasonably well with the accepted mean values except for lead which is consistently roughly 50% too low. The only lead assay received during this program (VB00078) shows that the corresponding ICP analysis is 3.6 times too high. Analyses of the standards are listed in Table 10 (Appendix L) along with the accepted correct mean values for comparison.

b) Cominco Exploration Labs
Whole rock analyses - 16 element + Cu, Zn, Ni package
Sample - 30cm composites from 3m sections spaced < 30m

Misc. Notes

(Samples < 1.2% Na_2O - possibly altered)

Classification of rock types by SiO_2 content

Mafic	< 54%
Intermed	54-65%
Felsic	> 65%

Geochemical results at or above the following thresholds were considered to be anomalous:

Elements of Primary Interest

Cu >500ppm	Zn >1000ppm	Ag > 2.0ppm	Au > 100ppb
Pb > 35ppm	As > 50ppm	Co > 20ppm	Mn > 400ppm
Ni > 45ppm	Ba(XRF) >2000ppm	Ba(ICP) > 300ppm	Sc > 10ppm

Elements of Secondary Interest

CR >150ppm	Ga > 100ppm	Be > 20ppm	Li > 20ppm
Nb > 30ppm	Rb > 500ppm	Sb > 50ppm	V > 100ppm
Bi > 40ppm	Cd > 30ppm	Ce > 30ppm	La > 30ppm
Mo > 30ppm	Sn > 50ppm	Sr > 50ppm	Ta > 50ppm
Te > 50ppm	Y > 30ppm	Zr > 20ppm	