Date: October 29, 1979 Our File:

## Re: Chu Chua Samples

Three sets of drill core samples from the Chu Chua massive sulphide deposit (NTS 92P/8) have been submitted for analysis.

The first set of 7 are for X-ray analysis. The second set of 32 from section 10100 N and 21 from 9950 N are for silicate and selected trace elements analysis. The third set are massive sulphide samples (ll from 10100 N and 8 from $9950 \mathrm{~N})$ for assay and selected trace element analysis. A list of sample numbers and capsule comments is appended.

The silicate analysis samples should be done for LOI and $\mathrm{CO}_{2}$ - most have carbonate veinlets in them.

Several of the massive sulphides should be analysed semi-quantitatively by emission spec as I can intelligently choose trace elements of interest.

At least preliminary results would be appreciated in late December - I need them for the GAC Symposium in January. The study is being undertaken to see what effects alteration have had on the country rocks at Chu Chua and to understand better the metal distribution and abundances in the massive sulphide pods.

WJM/dlb
Encl.
CC: N.C. Carter

## W.J. McMillan <br> CHEM Analses

## 1979

Samples and comments
SECTION 9950 N Pocks

126.5 Pervasive take (?) alteration of basalt
143.5 Bleached besolt
159.5 Bleached pillow basalt

| cc26 | 8.5 | Pillow basel |
| ---: | :---: | :---: |
| 27.4 | "1 | " |
| 30.5 |  |  |

caI 9.3 Bleached basalt
28.5 Altered basalt
39.5 altered brecciated beset

Massive Sulphede Samples


Massive sulpitide stmples
SECTION 10100 N

| DDA | Fotage | Comments |  |
| :---: | :---: | :---: | :---: |
| $C C 1$ | 68.7 | Masowie sulphide |  |
|  | 71.5 |  |  |
|  | 75.5 |  |  |
|  | 79.5 |  |  |
|  | 83.5 |  |  |
|  | 119.5 |  |  |
| CC17 | 19.9 | Massive Sulphides (was This incladed?) |  |
|  | 22.5 |  |  |
|  | 31.5 |  |  |
|  |  |  |  |

cci2 217.5 Masswe sulphides

Rocks
SECTION 10100 N
DDH Footage
CC1 10 "Spotted" basalt
25 Feldsputhic basalt
40 Pilew bescet
58.5 Feldspattic boselt

67 Pillow basoet adfacint to massivie sulphide laper 915 attered basalt (small sample)
99.9 Pyritic siliceous "chert"
124.5 Tak(i) altered basalt

129 slightly altered besoct
CCI7 45.1 Pyritic "chest" (or is it silicified basalt?)
52.3 actered basalt
69.7 Black altered and veened besalt
74.5 Carbonate (?) altered basalt
99.0 Chloritised feldspathic besaet
cc22 15.5 Chert breccia
38.7 Casbonate altered basalt
54.5 Bleached basalt
ca12 19.5. very finely crystalline pillow besolt
29.5 Fenily
39.5 "chilled" pillow baselt

60
80 Finely crystalline Pillow Besoct
100
120 very finely arystallie "

POCKS (CONTD)
SECTION 10100 N
cc|2 140 Microdiovipic textured basalt (altered)
160 Finely crystalline bosaet
178 Pillow basalt

X ray samples


