C. Mattson

J.S. Cummings Inc.

# LITHOLOGIC LOG

**Project** Chandler North **Hole no.** CHN-12 **Dip** -45° **Started** 7/18/80 **Elev.** _____

**Job no.** 264.2 **Township** T10-R8 **Coord.** 62400N 27372E **Direction** North 21°mag **Completed** 7/21/80

| Depth | Lithotype |
|---|---|
| 0' – 16' | Overburden |
| 16' – 128' | Gabbro<br>Medium-fine grained, massive, green-grey colored. Same as other CH and CHN holes<br>Disseminated chalcopyrite and pyrrhotite<br>Visible ilmenite and magnetite<br>Some sections magnetic - others not |
| 128' – 144' | |
| 144' – 180' | Gabbro<br>Same as above |
| 180' | Bottom of hole |

Depth scale: 0', 50', 100', 200', 250', 300', 350', 400'

Depth scale: 400', 450', 500', 550', 600', 650', 700', 750', 800'

**Lithotype**

Altered Felsic Fragmental
Feldspar laths, minor quartz fragments and mostly cream colored soft fragments. Matrix shows some sericite alteration - minor calcareous veins and fragments
Pyrite and arsenopyrite in disseminated grains and blebs - calcite alteration

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# SULPHIDE LOG

Project Chandler North Hole no. CHN-12 Dip -45° Started 7/18/80 Elev. _____

Job no. 264.2 Township T10-R8 Coord. 62400N 27372E Direction North 21°mag Completed 7/21/80

| FROM | TO | INTERVAL | EST. % SULPHIDES | EST. METAL (Cu, Pb, Zn) | ALTERATION |
|---|---|---|---|---|---|
| 2' | 128' | 126' | <1% | Pyrrhotite, chalcopyrite | |
| 128' | 131' | 3' | <1% | Pyrite, arsenopyrite | Sericite |
| 131' | 144' | 13' | ± 3% | Pyrite, arsenopyrite | Sericite, calcit |
| 144' | 180' | 36' | <1% | Pyrrhotite, chalcopyrite | |
| | Bottom | | | | |
| | | | NOTE: 136' - 143' is best arsenopyrite section with 1 - 2% TCW | | |

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DDH CHN-12 - (Assays for Portion of Hole)

| DEPTH (FEET) FROM COLLAR | LENGTH | % Zn | % Cu | % Pb | Oz/Ag | Oz/Au | % Py | % Aspy |
|---|---|---|---|---|---|---|---|---|
| 134 - 139 | 5' | | | | None | 0.010 | 0.62 | 1.17 |
| 139 - 144 | 5' | | | | None | 0.010 | 1.02 | 1.24 |

Bottom of Hole: 180'