# DRILL LOG

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| Hole No.: | E-55-2 | Angle: | -45° |
| Location: | 54.9 S + 5.65 E<br>Crawford Pond<br>Ice Grid -<br>Coordinates | Bearing: | N 72° W |
| | | Depth: | 420' 0" |
| | | Elevation: | 120' above sea level |
| | | Logged by: | D. E. Wyke<br>October 1 to 15, 1961 |

Drill Hole Data:

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| 0' 0" - 10' 0" | AX casing - left in hole by request. |
| 0' 0" - 10' 0" | Overburden, no core. |
| 10' 0" - 420' 0" | AX core |

| Depth | Lithology |
|---|---|
| 0' 0" - 10' 0" | Overburden |
| 10' 0" - 13' 3" | Schist: quartz, biotite; strong pegmatization; variable schistosity angle. |
| 13' 3" - 19' 8" | Pegmatite: quartz with abundant biotite. |
| 19' 8" - 27' 2" | Mica Schist: biotite; soft, represents 60% core loss. |
| 27' 2" - 49' 8" | Schist: quartz, biotite; variable chlorite; 4" to 6" veins quartz-biotite pegmatite. |
| 49' 8" - 58' 1" | Limey schist: abundant mica. |
| 58' 1" - 59' 2" | Schist: biotite; minor quartz; section is fine-grained; veinlets of calcite. |
| 59' 2" - 68' 3" | Pegmatite: quartz, biotite; abundant feldspar. |
| 68' 3" - 79' 0" | Dike: probably altered gabbro; minor biotite serpentine; basic feldspar; possible olivine very minor calcite; thin veins quartz. |
| 79' 0" - 80' 8" | Pegmatite: dominantly quartz; minor biotite. |
| 80' 8" - 83' 1" | Dike: probably altered gabbro; minor biotit serpentine; basic feldspar; possible olivine very minor calcite; quartz-biotite pegmatite veins lower 8". |
| 83' 1" - 85' 7" | Pegmatite: quartz, biotite. |

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|---|---|
| 85' 7" - 88' 2" | Schist: quartz, biotite; fine-grained; no schistosity. |
| 88' 2" - 94' 10" | Schist: quartz, biotite;<br>88'2" - 88'4" quartz vein;<br>89' schistosity angle 55°;<br>92' schistosity angle 35°. |
| 94' 10" - 98' 0" | Schist: hornblend; abundant biotite; minor quartz; schistosity angle variable but generally 45° to 50°;<br>96'9" - 97'4" quartz-biotite schist. |
| 98' 0" - 113' 10" | Schist: quartz, biotite; schistosity angles:<br>98'0" - 101'6" angle 0° in drag;<br>101'6" - 102'0" angle 30°;<br>102' - 104' angle variable in drag;<br>104' - 106' angle 30°;<br>106' - 114' angle variable. |
| 113' 10" - 115' 6" | Limey schist: abundant mica. |
| 115' 6" - 118' 5" | Schist: quartz, biotite; minor calcite. |
| 118' 5" - 145' 0" | Marble: micaceous; soft; broken core. |
| 145' 0" - 170' 4" | Limey schist: micaceous; some 4" to 8" zones micaceous marble; soft; broken core. |
| 170' 4" - 171' 10" | Limey schist: garnet; schistosity angle 50°. |
| 171' 10" - 185' 9" | Limey schist: mica, serpentine, abundant disseminated garnet; chloritic to 183' in some zones; abundant calcite veins; schistosity angle:<br>178' angle 35° to 45°;<br>181' angle 52°. |
| 185' 9" - 187' 2" | Marble: white. |
| 187' 2" - 210' 0" | Limey schist: mica, serpentine, abundant disseminated garnet; schistosity angle:<br>191' angle 55°;<br>203' angle 60°. |
| 210' 0" - 233' 6" | Schist: serpentine; disseminated garnet; micaceous; calcite veins; graphite to 2% in some zones. |

| Depth | Lithology |
|---|---|
| 233' 6" - 241' 8" | Schist: chlorite; serpentine and biotite in 1" to 2" zones; graphite to 1%. |
| 241' 8" - 269' 10" | Schist: chlorite; serpentine, disseminated garnet; graphite 2%. |
| 269' 10" - 273' 9" | Schist: quartz, biotite; disseminated garnet. |
| 273' 9" - 278' 3" | Schist: quartz, muscovite, chlorite; minor serpentine; graphite to 2%; schistosity angle generally 55°. |
| 278' 3" - 284' 8" | Schist: quartz, biotite; fine-grained; 279' 11" increase in biotite. |
| 284' 8" - 287' 6" | Schist: mica; minor quartz. |
| 287' 6" - 291' 9" | Schist: quartz, biotite; fine-grained. |
| 291' 9" - 306' 10" | Schist: quartz, biotite, chlorite; veins of quartz; caving 298'9"-302'6", cemented. |
| 306' 10" - 312' 8" | Schist: hornblend; biotite: disseminated garnet; top 12" dominantly fine-grained biotite schist. |
| 312' 8" - 315' 4" | Schist: quartz, chlorite; minor biotite and hornblend. |
| 315' 4" - 323' 1" | Gabbro: sulfides -1%. |
| 323' 1" - 346' 3" | Peridotite: generally proxene and chlorite; zones with serpentine and biotite; some zones with talc-anthophyllite<br>323'1" - 323'3" biotite & pyroxene, barren;<br>323'3" - 323'5" serpentine and biotite, barren;<br>323'5" - 324'2" sulfides 25%;<br>324'2" - 325'0" serpentine and biotite; barren;<br>325'0" - 339'4" sulfides to 30%;<br>339'4" - 346'3" sulfides to 20%; generally 15% to 20%. |

| Depth | Lithology |
|---|---|
| 346' 3" - 347' 3" | Pegmatite: quartz, biotite; barren of sulfides. |
| 347' 3" - 358' 8" | Peridotite: pyroxene and chlorite; minor anthophyllite; sulfides 25% to 30%. |
| 358' 8" - 365' 5" | Dike: hornblend and biotite; few veins of quartz; minor pyroxene; sulfides 1%. |
| 365' 5" - 370' 5" | Pegmatite: quartz, biotite;<br>365' 9" - 365' 11" sulfides 10%;<br>365' 11" - 367' 0" semi-massive sulfides;<br>367' 0" - 368' 9" sulfides 10%;<br>368' 9" - 369' 9" barren;<br>369' 9" - 370' 3" biotite-rich, sulfides 10%;<br>370' 3" - 370' 5" quartz vein. |
| 370' 5" - 372' 9" | Peridotite: pyroxene and chlorite; sulfides 35% to 40%. |
| 372' 9" - 375' 5" | Schist: biotite-rich; quartz present; sulfides to 5%. |
| 375' 5" - 378' 10" | Pegmatite: quartz, biotite; fine-grained; sulfides 1% to 2%. |
| 378' 10" - 380' 11" | Gabbro: biotite-rich; sulfides 5%. |
| 380' 11" - 385' 6" | Schist: host rock not obvious;<br>380' 11" - 382' 2" sulfides 2% to 5%;<br>382' 2" - 383' 5" massive sulfides;<br>383' 5" - 384' 0" semi-massive sulfides;<br>384' 0" - 384' 6" sulfides 5%;<br>384' 6" - 385' 6" semi-massive sulfides. |
| 385' 6" - 387' 8" | Pegmatite: dominantly quartz with 1" to 2" bands of biotite schist; sulfides 1%. |
| 387' 8" - 392' 2" | Schist: quartz, biotite, chlorite; graphite to 2%; abundant serpentine; schistosity angles:<br>388' angle 35°;<br>390' angle 40°;<br>392' angle 45°;<br>394' angle 50°. |

| Depth | Lithology |
|---|---|
| 392' 2" - 420' 0" | Schist: chlorite; quartz present; graphite to 4% to 395' then generally 2% to bottom of section; 2" to 6" zones of serpentine-rich core in top 3'; minor pyrite parallel to foliation; 414'0" - 414'10" quartz vein. |

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Total Depth 420' 0"

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Assays:

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| E-55-2-1 | 321'1" | - 325'0" | Ni, Cu, S |
| E-55-2-2 | 325'0" | - 330'0" | Ni, Cu, S, Co, Fe |
| E-55-2-3 | 330'0" | - 336'6" | Ni, Cu, S, Co, Fe |
| E-55-2-4 | 336'6" | - 340'4" | Ni, Cu, S |
| E-55-2-5 | 340'4" | - 344'6" | Ni, Cu, S |
| E-55-2-6 | 344'6" | - 349'0" | Ni, Cu, S, Co, Fe |
| E-55-2-7 | 349'0" | - 354'0" | Ni, Cu, S, Co, Fe |
| E-55-2-8 | 354'0" | - 358'8" | Ni, Cu, S, Co, Fe |
| E-55-2-9 | 365'11" | - 370'5" | Ni, Cu, S |
| E-55-2-10 | 370'5" | - 372'9" | Ni, Cu, S |
| E-55-2-11 | 372'9" | - 378'10" | Ni, Cu, S |
| E-55-2-12 | 378'10" | - 385'7" | Ni, Cu, S, Co, Fe |