DRILL LOG

Hole No.: E-3
Location: 52S + 3.75E
Crawford Pond
Ice Grid

Angle: -90°
Depth: 322' 6"
Elevation: 110' a.s.l. (water level)
Logged by: D. E. Wyke
3/25/60 to 3/30/60

Drill Hole Data:

0' 0" - 135' 0"	BX casing (removed)
134' 6" - 135' 0"	BX core
135' 0" - 322' 6"	AX core

Depth	Lithology
0' 0" - 0' 20"	Ice.
0' 20" - 58' 0"	Water.
58' 0" - 80' 0"	Mud.
80' 0" - 134' 6"	Sand, cobbles and boulders.
134' 6" - 153' 6"	Schist: quartz, biotite, muscovite; serpentine; graphite to 10%; pyrrhotite 2% to 4%.
153' 6" - 156' 0"	Pegmatite: quartz, muscovite.
156' 0" - 160' 9"	Marble: pegmatized; 2" to 6" bands of quartz-muscovite pegmatite.
160' 9" - 192' 4"	Schist: quartz, biotite, muscovite; graphite to 2%; abundant garnet; serpentine; calcite in fractures; 182' 6" - 188' 5" quartz-muscovite pegmatite with minor pyrrhotite crystals.
192' 4" - 200' 11"	Schist: quartz, biotite, hornblende; minor garnet; several 6" bands of quartz-biotite pegmatite.
200' 11" - 214' 11"	Diorite: 1" to 2" bands of quartz-biotite pegmatite; minor pyrrhotite associated with pegmatite.
214' 11" - 224' 6"	Schist: quartz, biotite; graphite 2% to 5%; two 1" bands of hornblende schist; 222' 6" - 222' 10" chlorite-rich peridotite with minor garnet and 1% pyrrhotite.
224' 6" - 241' 9"	Peridotite: [illegible], chlorite, [illegible]

Drill Log: E-3

Depth	Lithology
224' 6" - 241' 9"	Peridotite: pyroxene, chlorite, anthophylite; 1% to 10% pyrrhotite with increase toward bottom of section; 228' 3" - 229' 6" quartz-biotite pegmatite.
241' 9" - 243' 0"	Pegmatite: quartz, biotite.
243' 0" - 245' 5"	Peridotite: pyroxene, chlorite, anthophylite; minor biotite; serpentine; pyrrhotite 2% to 8%.
245' 5" - 247' 0"	Pegmatite: quartz, biotite.
247' 0" - 251' 1"	Peridotite: pyroxene, chlorite; minor biotite; pyrrhotite 5% to 15%.
251' 1" - 253' 10"	Pegmatite: quartz, biotite.
253' 10" - 254' 8"	Schist: quartz, biotite, hornblende.
254' 8" - 279' 7"	Peridotite: pyroxene, chlorite; pyrrhotite with high copper content: 254' 8" - 259' 8" 15% 259' 8" - 264' 40% to 50% 264' - 279' 7" 50% to 70%
279' 7" - 290' 1"	Altered zone: hornblende with biotite; generally fine-grained; pyrrhotite with high copper content: generally 10% to 15%; 279' 7" - 280' 0" pyrrhotite massive 280' 3" - 280' 5" pyrrhotite massive 280' 7" - 280' 8" pyrrhotite massive 283' 0" - 284' 5" pyrrhotite semi-massive 285' 6" - 285' 11" three 1" veins of massive pyrrhotite 286' 0" - 289' 0" pyrrhotite semi-massive 289' 5" - 290' 1" pyrrhotite semi-massive
290' 1" - 292' 10"	Pegmatite: quartz, biotite; 290' 5" - 290' 10" pyrrhotite semi-massive
292' 10" - 295' 3"	Schist: quartz, biotite; minor garnet; graphite to 5%; generally 5% pyrrhotite; some 1" to 2" zones with 30% pyrrhotite.
295' 3" - 296' 4"	Pegmatite: quartz, biotite.
296' 4" - 303' 0"	Schist: quartz, biotite; to 2% graphite; generally 5% pyrrhotite, decreasing toward bottom of section.
303' 0" - 312' 7"	Schist: quartz, biotite, muscovite; minor garnet; pyrrhotite 1%.

① {259'8" 265'0"
② {265'0" 270'0"
③ {270'0" 275'0"
④ (275'0"-281'0")
⑤ {282'0" 287'0"
⑥ {287'0" 291'6"
⑦ {291'6" 297'6"

Drill Log: E-3

Depth	Lithology
312' 7" - 314' 6"	Pegmatite: quartz, biotite, muscovite.
314' 6" - 322' 6"	Schist: quartz, biotite; minor garnet; abundant serpentine; graphite to 10%.

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Total Depth 322' 6"

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assays	Total Sulfide	Ni	Cu	Co	S	Fe	
E-3-1	41.01	0.792	0.283	(0.073)	13.47	26.4	(259'8"-265'0")
E-3-2	39.42	0.686	0.308	(0.073)	11.55	26.8	(265'0"-270'0")
E-3-3	49.34	0.873	0.289	(0.088)	14.89	33.2	(270'0"-275'0")
E-3-4	47.19	0.802	1.026	(0.080)	16.08	29.2	(275'0"-281'0")
E-3-5	37.79	0.684	0.598	(0.080)	12.43	24.0	(282'0"-287'0")
E-3-6	47.13	0.703	0.844	(0.073)	13.32	24.6	(287'0"-291'6")
E-3-7	22.65	0.371	0.233	(0.036)	6.21	15.8	(291'6"-297'6")

E-3-4 assay for tin = none