DRILL LOG

Hole No.:	E-52-2	Angle:	-60°
Location:	52.2 S - 6.2E	Azimuth:	N 72° W
	Crawford Pond	Depth:	420'
	Ice Grid	Elevation:	120' (water level - 10')
	Coordinates	Logged by:	D. E. Wyke
			5/14/61 to 5/31/61

Drill Hole Data:

0' 0" - 20' 0"	BX casing
0' 0" - 0' 6"	Soil (no core)
0' 6" - 290' 0"	BX wireline core
290' 0" - 420' 0"	AX core (water recovery for sludge)

Depth	Lithology
0' 0" - 0' 6"	Soil.
0' 6" - 4' 3"	Pegmatite: quartz, biotite, muscovite.
4' 3" - 6' 0"	Schist: quartz, biotite.
6' 0" - 11' 1"	Pegmatite: quartz, biotite, muscovite.
11' 1" - 12' 4"	Schist: quartz, biotite, chlorite, hornblende; minor pyroxene evident.
12' 4" - 49' 5"	Pegmatite: quartz, muscovite; minor biotite; 46' 0" - 47' 3" quartz-biotite schist.
49' 5" - 84' 10"	Pegmatized marble: quartz-muscovite pegmatite.
84' 10" - 94' 7"	Pegmatite: quartz, muscovite.
94' 7" - 116' 3"	Marble: pegmatized; lower 1' contains quartz-biotite schist and dark gray marble.
116' 3" - 120' 3"	Pegmatized limey hornblende schist: transition zone.
120' 3" - 127' 9"	Schist: quartz, hornblende; some biotite; calcite in fractures; becomes limey in lower 1'.

Depth	Lithology
127' 9" - 149' 1"	Marble: pegmatized; some bands of limey schist; shistose 136' - 149'.
149' 1" - 150' 3"	Pegmatite: quartz, muscovite.
150' 3" - 175' 0"	Schist: quartz, biotite; bands of garnet; pegmatized; 156' 6" - 157' 3" hornblende schist; 166' 10"- 168' 2" pegmatite; 172' 6" - 173' 0" mica schist; 168' 2" - 175' 0" limey.
175' 0" - 181' 8"	Schist: mica, chlorite; limey; disseminated garnet.
181' 8" - 183' 1"	Pegmatite: quartz, muscovite.
183' 1" - 190' 11"	Schist: mica, chlorite; talcose; abundant desseminated garnet; 188' 2" - 189' 2" minor disseminated copper.
190' 11" - 195' 6"	Schist: quartz, garnet; some chlorite; limey; probably dolomitic or altered dolomite.
195' 6" - 224' 9"	Schist: mica, chlorite, garnet; talcose; calcite in fractures; very minor disseminated copper; below 206' graphite present with associated pyrite; pyrrhotite parallel to schistosity - 1%; schistosity angle generally 90° to core axis.
224' 9" - 251' 3"	Schist: quartz, biotite, garnet; graphite; minor pyrite and pyrrhotite.
251' 3" - 280' 10"	Schist: quartz, chlorite; white mica abundant; minor biotite; minor pyrite and pyrrhotite; graphite 1% to 2%; schistosity angle generally 60° to 80°; 261' 2"- 262' 3" biotite rich.
280' 10" - 287' 7"	Pegmatite: quartz, muscovite; 282' 3" - 283' 2" mica schist.
287' 7" - 288' 2"	Schist: quartz, biotite, chlorite; garnet and graphite present; pyrite associated with graphite; minor pyrrhotite parallel to schistosity; schistosity angle 60°.

Depth	Lithology
288' 2" - 293' 6"	Pegmatite: quartz, muscovite.
293' 6" - 302' 5"	Schist: quartz, biotite; minor garnet; poor schistosity.
302' 5" - 308' 4"	Pegmatite: quartz, muscovite; 2" to 3" bands quartz-biotite schist.
308' 4" - 335' 7"	Schist; Quartz, biotite, chlorite; disseminated garnet; graphite and associated pyrite; pyrrhotite 1% parallel to schistosity; pegmatized to 18"; broken 310' 8" - 318' 3"; lower 9" biotite rich; some 4" to 6" bands quartz-biotite pegmatite.
335' 7" - 350' 3"	Schist: quartz, biotite, hornblende; probably mostly norite; minor pyrrhotite; lower 9" serpentinized.
350' 3" - 400' 0"	Peridotite: pyroxene, chlorite, minor biotite; top 16" barren; generally high copper content; 350' 3" - 351' 9" pyrrhotite 1% to 2%; 351' 9" - 353'5" pyrrhotite 5% to 10%; 353' 5" - 354'6" quartz vein with 10% to 25% pyrrhotite; 354' 6" - 359' 0" pyrrhotite 20%; 359' 0" - 361' 0" pyrrhotite 25%; 361' 0" 362' 1" pyrrhotite 20% to 25%; 362' 1" - 362' 2" pyrrhotite massive; 362' 2" - 363' 3" quartz-biotite schist with 10% pyrrhotite; 363' 3" - 365' 8" pyrrhotite to 30%; 365' 8" - 366' 2" Quartz vein; 366' 2" - 371' 8" pyrrhotite to 25%; 371' 8" - 372' 9" quartz, serpentine; pyroxene, pyrrhotite to 15%; copper to 5%; 372'9" - 375' 4" gabbroic; pyrrhotite 10%, copper to 5%; 375' 4" - 376' 3" dominantly quartz with semi-massive pyrrhotite, high copper; 376' 3" - 376' 7" quartz-biotite schist; 376' 7" - 377' 1" rose quartz; 377' 1" - 378' 0" pyrrhotite to 10%; 378' 0" - 378' 2" pyrrhotite massive;

Depth	Lithology
	378' 2" - 379' 11" pyrrhotite to 30%; 379' 11" - 383' 0" quartz top 10" then gabbroic with pyrrhotite to 15%; 383' 0" - 384' 7" pyrrhotite to 15%; 384' 7" - 385' 3" pegmatite with pyrrhotite to 20%; 385' 3" - 388' 0" pyrrhotite 30%; 388' 0" - 397' 6" pyrrhotite to 15%; 397' 6" - 398' 3" quartz with 10% pyrrhotite; lower 1/2" massive; 398' 3" - 400' 0" pegmatized peridotite; pyrrhotite to 5%.
400' 0" - 420' 0"	Schist: quartz, biotite, chlorite; graphite 1% to 3%; associated pyrite; pyrrhotite to 1% parallel to schistosity decreasing to ~1% at bottom of hole.

* * * TDA 420' 0" * * *

ASSAYS:

E-52-2-1	350' 3" - 355' 0"
E-52-2-2	355' 0" - 360' 0"
E-52-2-3	360' 0" - 365' 0"
E-52-2-4	365' 0" - 370' 0"
E-52-2-5	370' 0" - 375' 0"
E-52-2-6	375' 0" - 380' 0"
E-52-2-7	380' 0" - 385' 0"
E-52-2-8	385' 0" - 390' 0"
E-52-2-9	390' 0" - 395' 0"
E-52-2-10	395' 0" - 400' 0"