Project Knox mining Date 10/12/73

From WAR

Summary Mag Dike : Hole 90E40N - Calderwood's ground

Drills Working	Shifts Working	Total Shifts	Footage This Week	Total Footage	Feet/Shift This Week	Feet/Shift To Date
1	4	71	306	5675	77	80

Holes Drilled

#	Coordinates	Elevation Collar	Elevation Ground	Angle	Azmuth	Advance	Depth	Core Recovery
90E-40N	90E-40N	73.9	70.8	45°	N40°W	306	306	yes

Summary Log

Hole Number	From	To	Formation	Ore Intersections From	To	%Sulf	Notes
90E-40N	0	8	ob				
	8	197	bio musc sch w/ Amphib			+	resembles Clary Hill and Penobscot (both)
	197	257	granite			+	graphic qtz - K-spar
	257	277	gabb. dio porph minor mag, sulfides w/ minor py, cp.	267	273	5%+	resembles basalt Porph of 36-15.7 core strongly mag.
	277	(306)	hb Needle Monzonite - Syenite Porphyry 1% diss py, 1% mag.				

Comments

Because of proximity to end of budget, the drill will be moved to S end area S of for the completion of the Calderwood hole.

It appears that the "mag dike" is more mineralized in this area. The presence of cp is encouraging.

Project Knox mining Date 10/19/73

From WAR

Summary Mag Dike

Drills Working	Shifts Working	Total Shifts	Footage This Week	Total Footage	Feet/Shift This Week	Feet/Shift To Date
1	2	73	250	5925	125	81

Holes Drilled

#	Coordinates	Elevation Collar	Elevation Ground	Angle	Azmuth	Advance	Depth	Core Recovery
90E - 40N	90E - 40N	73.9	70.8	45°	N40°W	250	556	Some

Summary Log

Hole Number	From	To	Formation	Ore Intersections From	To	%Sulf	Notes
90E - 40N	(306)	424	Hb Needle Monzonite (Syenite) porph.				
	424	470	basalt Porphyry - fng gabbroic lamprophyre 3-5% mag - core strongly magnetic				magnetite + 3% Po + Py explains magnetic and IP anomalies.
	470	502	chl, Ser p musc sch				
	502	525	granite				
	525	556	plag hb granulite + bio musc (sill) sch				
		T.D.					

Comments

IP and magnetic anomalies are explained by high magnetite and Po, Py in the basalt Porphyry unit. No economic mineralization was recognized.

Date Submitted 11/27/73
Date Reported 11-30-73

Sample Submittal/Report Form
Hanna Research Lab

Project 646-145
Send Report To: EWK

Lab No.	Sample No.	KNOX -100m Sample Description	Requested Analyses (Please Check) % Wt. Fe$_t$	Ni	Co	Cu	S			
14845	90E-40N	267-273'		0.046	0.013	0.036	1.02			
14846	"	273-278'		0.010	0.009	0.008				
14847	"	424-434'		0.018	0.012	0.009				
14848	"	444-454'		0.016	0.012	0.010				
14849	"	454-466'		0.013	0.010	0.006				
14843	90E-40N	219.5-230'		0.006	0.005	0.006				
14844	"	257-267'		0.008	0.012	0.004				

DRILL LOG

Hole No.: E-1
Location: 42 S + 4.0 E
Crawford Pond
Ice Grid

Azmuth: Vertical
Angle: -90°
Depth: 356'
Elevation: 110' a.s.l. (water level)
Logged by: D. E. Wyke
3/4/60 To 3/17/60

Drill Hole Data:

0' 0" - 78' 0"	BX casing (removed)
78' 0" - 356' 0"	AX core

Depth	Lithology
0' 0" - 78' 0"	Ice, water, mud and sand.
78' 0" - 79' 5"	Pegmatite: quartz, biotite; occassional sulfide crystal, pyrrhotite and chalcopyrite.
79' 5" - 88' 0"	Schist: hornblende, biotite; quartz veinlets in fractures; pyrrhotite -1% and minor chalcopyrite in top 2'; more schistose and increased quartz below top 2'.
88' 0" - 96' 2"	Schist: quartz, biotite; minor sulfide parallel to schistosity, pyrrhotite -1%.
96' 2" - 107' 11"	Schist: quartz, biotite, chlorite, serpentine; minor garnet; narrow quartz bands: Pegmatite: 98' 3" - 98' 6" 99' 3" - 99' 4" 102' 4" - 102' 7" 103' 1" - 104' 0" 104' 8" - 105' 10" 106' 5" - 107' 11"
107' 11" - 123' 0"	Schist: quartz, chlorite, serpentine; minor garnet; generally 1% to 5% sulfide. 108' 4" - 110' 2" pegmatite 110' 5" - 111' 4" fine-grained garnet gneiss 111' 4" - 112' 1" pegmatite 112' 1" - 113' 0" quartz, garnet, serpentine, pyrrhotite 20% to 30% 113' 0" - 123' 0" pegmatized schist; minor graphite lower 2'.
123' 0" - 125' 9"	Schist: quartz, serpentine; graphite 1% to 3%.

123'

Drill Log E-1

Depth	Lithology
125' 9" - 131' 4"	Schist: quartz, biotite, serpentine, graphite 5% to 15%; schistosity has 45° angle with core axis.
131' 4" - 135' 4"	Schist: quartz, biotite-rich; minor graphite 1% to 2%; sulfide along fractures and parallel to schistosity 5% to 10% in top 1'.
135' 4" - 137' 9"	Schist: quartz, biotite.
137' 9" - 152' 5"	Schist: biotite-rich, minor garnet; chlorite and serpentine present; minor graphite.
152' 5" - 154' 0"	Schist: quartz, biotite, hornblende; minor garnet; poor schistosity.
154' 0" - 154' 9"	Pegmatite: quartz, biotite.
154' 9" - 157' 10"	Schist: biotite, chlorite, serpentine; minor garnet; minor graphite; lower 2' pegmatized.
157' 10" - 160' 5"	Schist: hornblende, quartz, biotite; minor garnet; fine-grained.
160' 5" - 164' 0"	Pegmatite: quartz, muscovite, minor tourmaline.
164' 0" - 171' 6"	Gabbro: pyroxene, biotite, feldspar; minor chlorite; pyrrhotite to 1%.
171' 6" - 172' 11"	Quartz: minor feldspar; minor pyrrhotite.
172' 11" - 174' 1"	Gabbro: pyroxene, biotite; pyrrhotite 1%.
174' 1" - 175' 3"	Gabbro: ditto with quartz veins and calcite on fractures.
175' 3" - 189' 2"	Gabbro: generally 1% pyrrhotite visible; 178' 9" - 179' 2" Pegmatite 180' 9" - 182' 4" Pegmatite 188' 8" - 189' 2" Pegmatite
189' 2" - 192' 10"	Schist: hornblende; minor biotite and garnet.
192' 10" - 196' 2"	Schist: quartz, chlorite; generally 2% graphite; 195' 6" - 196' 2" graphite 10% to 30%.
196' 2" - 197' 2"	Pegmatite
197' 2" - 205' 2"	Schist: hornblende, biotite; minor quartz.

Depth	Lithology
205' 2" - 224' 1"	Gabbro: pyroxene, biotite, feldspar; generally 1% pyrrhotite; 209' 3" - 209' 6" pegmatite with biotite, coarse-grained; 210' 6" - 211' 10" pegmatite with minor biotite.
224' 1" - 230' 3"	Schist: hornblende, biotite; pyrrhotite 1%.
230' 3" - 239' 4"	Schist: quartz, biotite, chlorite; graphite generally 1% to 5%; 234' 10" - 235' 9" hornblende schist.
239' 4" - 241' 0"	Pegmatite: quartz, biotite.

Core barrel accidentally dropped down the drill hole. Fishing procedure was unsuccessful. Began reaming hole. Drill hole lost during reaming at approximately 200' depth. AX core saved below 208' 0".

208' 0" - 208' 5"	Gabbro: biotitic; pyrrhotite to 1%.
208' 5" - 209' 3"	Pegmatite: quartz, minor biotite.
209' 3" - 214' 7"	Schist: hornblende, biotite; fine-grained; schistosity angle 10° to 20° to core axis.
214' 7" - 218' 0"	Pegmatite: 214' 7" - 215' 5" quartz, minor biotite, striated feldspar present, minor chlorite. 215' 5" - 215' 8" quartz with 20% biotite. 215' 8" - 218' 0" quartz, minor biotite.
218' 0" - 228' 4"	Gabbro: minor biotite; pyrrhotite to 1%. 222' 0" - 222' 6" pegmatite.
228' 4" - 235' 3"	Schist: hornblende, biotite; 1% pyrrhotite lower 1'.
235' 3" - 248' 0"	Gabbro: with biotite and chlorite; 1% pyrrhotite; [illegible]. 238' 10" - 239' 0" pegmatite; quartz, muscovite. 240' 11" - 241' 1" pegmatite; quartz, biotite. 247' 9" - 248' 0" pegmatite, quartz, biotite.
248' 0" - 264' 6"	Schist: quartz, biotite, chlorite; minor graphite.

Drill Log E-1

Depth	Lithology
264' 6" - 272' 0"	Pegmatite: quartz, muscovite; 267' 3" - 270' 1" minor muscovite.
272' 0" - 273' 5"	Schist: quartz, biotite, chlorite; minor graphite.
3' 273' 5" - 276' 5"	Schist: quartz, biotite: pyrrhotite 10% to 15%.
4'10" 276' 5" - 282' 3"	Gabbro: pyroxene, biotite, feldspar; serpentine and hornblende present; pyrrhotite 5% to 10%.
4'6" 282' 3" - 286' 9"	Peridotite: pyroxene; pyrrhotite 15% to 25%.
1'3" 286' 9" - 288' 0"	Peridotite: soft, altered, serpentine present; pyrrhotite 10% to 20%.
9'7" 288' 0" - 298' 5"	Peridotite: chloritic; pyrrhotite 2% to 10% with progressive decrease toward bottom of section. 297' 2" - 298' 0" biotite-rich quartz. 298' 0" - 298' 5" pyrrhotite 10% to 15%.
296' 3" -	
298' 5" - 303' 10"	Pegmatite: quartz, biotite; top 10" biotite-rich.
303' 10" - 305' 0"	Anthophylite: minor biotite; pyrrhotite to 2%.
305' 0" - 314' 10"	Schist: quartz, biotite, chlorite; graphite 2% to 5%.
314' 10" - 324' 10"	Schist: quartz, biotite; minor garnet; graphite 2% to 5%.
324' 10" - 325' 5"	Pegmatite: quartz, biotite.
325' 5" - 334' 5"	Schist: hornblende with veins of quartz 1/8" to 1/4" in thickness; pegmatite veins present from 4" to 10" in thickness.
334' 5" - 337' 0"	Gabbro: pyrrhotite to 1%.
337' 0" - 338' 8"	Pegmatite: quartz, biotite.
338' 8" - 343' 0"	Schist: quartz, biotite; very minor graphite. 343' 0" - 344' 1" hornblende schist
343' 0" - 344' 1"	Schist: hornblende, quartz 349
344' 1" - 349' 7"	Schist: quartz, biotite.
349' 7" - 351' 3"	Dolomite: with talc and serpentine present.
351' 3" - 356' 0"	Schist: quartz, biotite.

Total Depth 356' 0"

Assays

		Cu	S	Ni	Co	Fe
E-1-1	282'8"–287'8"	0.126	4.60	0.301	0.029	10.0

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

DRILL LOG

Hole No.: E-4
Location: 60.00 S + 5.50 E
Crawford Pond
Ice Grid

Angle: -41°
Azimuth: N. 63° 30' W.
Depth: 495'
Elevation: 320' (water level + 10')
Logged by: R. R. Holmes
5/30/60 to 6/13/60

Drill Hole Data:

0' 0" - 22' 0"	BX casing
18' 0" - 22' 0"	BX core
22' 0" - 495' 0"	AX core

Depth	Lithology
0' 0" - 18' 0"	Overburden.
18' 0" - 34' 10"	Schist: quartz, biotite, chlorite; calcite in fractures; 26' 11" - 27' 6" quartz-biotite pegmatite; 28' 7" - 29' 3" quartz-biotite pegmatite; 30' 3" - 31' 2" quartz-biotite pegmatite; pegmatites are biotite-rich; schistosity angle of schist 60° to 70° with core axis.
34' 10" - 40' 2"	Dolomite: numerous bands of biotite-rich schist.
40' 2" - 46' 6"	Schist: quartz, biotite; abundant basic feldspar; calcite in fractures; schistosity angle 65°.
46' 6' - 49' 9"	Dolomite: few biotite-rich bands of schist in lower 18".
49' 9" - 52' 4"	Schist: quartz, biotite; minor pyrrhotite; calcite in fractures; 49' 10" - 50' 1" dolomite with pyrrhotite.
52' 4" - 57' 1"	Dolomite: some 1/4" pyrrhotite crystals apparently replacing feldspar in pegmatized area; serpentine present; 53' 11" - 54' 7" altered and biotite-rich; 56' 3" - 57' 1" altered and biotite-rich.
57' 1" - 59' 3"	Schist: quartz, biotite; graphite minor; core fracturing during drilling.
59' 3" - 75' 8"	Pegmatised marble or dolomite: zones of micaceous and calcareous schist at: 60' 4" - 60' 10" 62' 0" - 63' 2" 63' 7" - 65' 0" 69' 7" - 75' 6" core fractured.

Drill Log: E-4

Depth	Lithology
75' 8" - 98' 6"	Marble: minor mica; 97' 7" - 98' 6" abundant mica.
98' 6" - 100' 0"	Pegmatite: quartz, biotite.
100' 0" - 103' 10"	Schist: quartz, biotite; schistosity angle 50° to 70°; 103' 6" - 103' 10" marble.
103' 10" - 107' 5"	Schist: quartz, hornblende, minor biotite.
107' 5" - 120' 7"	Schist: quartz, biotite.
120' 7" - 121' 8"	Pegmatite: quartz, biotite.
121' 8" - 127' 7"	Sand: cemented by calcite on top and bottom of section.
127' 7" - 132' 8"	Marble: with mica, probably phlogopite; minor pyrrhotite crystals.
132' 8" - 137' 3"	Schist: quartz, biotite, muscovite; schistosity angle 60° to 80°.
137' 3" - 143' 1"	Schist: quartz, biotite, chlorite.
143' 1" - 144' 5"	Schist: quartz, biotite; calcareous in top 6".
144' 5" - 148' 8"	Schist: quartz, biotite, chlorite.
148' 8" - 149' 8"	Pegmatite: quartz, biotite.
149' 8" - 150' 7"	Schist: quartz, biotite, chlorite.
150' 7" - 152' 6"	Marble: with bands of chlorite, mica schist.
152' 6" - 154' 7"	Schist: quartz, biotite, chlorite.
154' 7" - 163' 3"	Schist: quartz, biotite, chlorite; calcareous to 20%; 154' 9" - 154' 11" quartz-biotite pegmatite.
163' 3" - 164' 9"	Pegmatized marble: minor pyrrhotite.
164' 9" - 165' 6"	Pegmatite: quartz, biotite.
165' 6" - 172' 6"	Schist: quartz, biotite, chlorite; 171' 10" - 172' 6" quartz-biotite pegmatite.

Drill Log: E-4

Depth	Lithology
172' 6" - 191' 11"	Schist: quartz, biotite, muscovite; minor chlorite; abundant garnet; strong pegmatization; calcite in fractures; 172' 6" - 183' 10" zone of abundant garnet; 173' 10" - 174' 7" quartz-muscovite pegmatite; 175' 4" - 176' 9" quartz-muscovite pegmatite; 177' 1" - 177' 8" quartz-muscovite pegmatite.
191' 11" - 205' 11"	Schist: quartz, biotite muscovite; garnet present; several 2" to 6" bands of quartz-biotite pegmatite; schistosity angle 50°.
205' 11" - 207' 0"	Pegmatite: quartz, biotite, muscovite; minor garnet.
207' 0" - 236' 5"	Schist: quartz, biotite, muscovite; garnet present; several bands of quartz-biotite-muscovite pegmatite; minor calcite in fractures; schistosity angle 40° to 60°.
236' 5" - 268' 9"	Pegmatite: quartz, muscovite; minor garnet; 251' 0" - 256' 9" core fractured.
268' 9" - 274' 5"	Schist: quartz, biotite, chlorite; pyrrhotite to 5% parallel to schistosity; minor serpentine in fractures; schistosity angle 60° to 70°; 269' 7" - 271' 3" quartz-muscovite pegmatite with minor pyrrhotite.
274' 5" - 312' 8"	Schist: quartz, biotite, chlorite; graphite locally to 5%; garnet and serpentine present; minor pyrrhotite; several 2" to 6" bands of quartz-biotite pegmatite.
312' 8" - 314' 0"	Schist: quartz, biotite, hornblende; minor pyrrhotite.
314' 0" - 334' 9"	Schist: quartz, biotite, chlorite; graphite to 5% locally.
334' 9" - 348' 4"	Gabbro: with 2" to 6" bands quartz-biotite pegmatite; minor pyrrhotite.
348' 4" - 350' 3"	Pegmatite: quartz, biotite.
350' 3" - 357' 10"	Gabbro: with several bands quartz-biotite pegmatite; minor pyrrhotite.
357' 10" - 362' 11"	Peridotite: pyroxene, chlorite; minor biotite; serpentine in fractures; minor calcite in fractures; pyrrhotite 25% to 30%.

Drill Log: E-4

Depth	Lithology
362' 11" - 371' 3"	Pegmatite: quartz, biotite; fine-grained to 365' 11"; 367' 4" - 368' 0" biotite-rich peridotite; 369' 3" - 371' 3" pyrrhotite veins to 30% of volume;
371' 3" - 372' 4"	Gabbro: pyrrhotite 1% to 2%.
372' 4" - 373' 9"	Schist: quartz, hornblende, biotite; minor pyrrhotite.
373' 9" - 375' 6"	Gabbro: pyrrhotite to 1%.
375' 6" - 376' 11"	Pegmatite: quartz, biotite.
376' 11" - 392' 6"	Gabbro: 376' 11" - 384' 0" pyrrhotite to 2% 384' 0" - 388' 0" pyrrhotite 15% to 20% with high copper content; 388' 0" - 392' 6" pyrrhotite 20% with high copper content.
392' 6" - 444' 0"	Peridotite: pyroxene, chlorite; serpentine in fractures; altered; 392' 6" - 393' 1" pyrrhotite 20%; 393' 1" - 393' 8" pyrrhotite veins to 30% of volume; 393' 8" - 396' 2" pyrrhotite to 25%; 396' 2" - 397' 0" pyrrhotite veins to 60% volume; 397' 0" - 399' 2" pyrrhotite 15% to 30%; 399' 2" - 399' 6" pyrrhotite massive; 399' 6" - 399' 10" pyrrhotite 25%; end of altered zone; 399' 10" - 407' 7" pyrrhotite 30% to 40%; 407' 7" - 415' 7" pyrrhotite 40% to 70%; 415' 7" - 423' 3" pyrrhotite 40% to 50%; 423' 3" - 424' 10" quartz-biotite pegmatite with 25% pyrrhotite; 424' 10" - 435' 3" pyrrhotite 25% to 35%; 435' 3" - 441' 8" pyrrhotite 25% to 30%; 441' 8" - 444' 0" pyrrhotite 15% to 20%.
444' 0" - 444' 9"	Schist: hornblende, biotite; 1/4" vein copper; pyrrhotite to 20% of volume of section.
444' 9" - 474' 5"	Schist: quartz, biotite, chlorite; 444' 9" - 445' 6" pyrrhotite to 12% parallel to schistosity; 445' 6" - 474' 5" pyrrhotite to 5% parallel to schistosity.
474' 5" - 475' 0"	Schist: hornblende; minor quartz.

Drill Log: E-4

Depth	Lithology
475' 0" - 477' 0"	Schist: quartz, biotite; 475' 10" - 476' 3" quartz-biotite pegmatite.
477' 0" - 484' 4"	Schist: quartz, hornblende; quartz in 1/8" veinlets; mumerous 1" to 2" bands quartz-biotite pegmatite.
484' 4" - 485' 4"	Pegmatite: quartz, biotite.
485' 4" - 495' 0"	Schist: quartz, biotite; 491' 4" - 492' 8" quartz-hornblende-biotite schist.

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Total Depth 495' 0"

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Assays	Ni	Cu	Co	S	Fe	
E-4-1	0.475	0.138	0.073	8.00	15.6	(357'10" - 362'4"
E-4-2	0.784	0.302	0.088	12.43	25.8	(398'4" - 403'4"
E-4-3	0.967	0.333	0.110	15.81	31.2	(403'4" - 408'4"
E-4-4	1.077	0.396	0.117	19.53	32.2	(408'4" - 413'4"
E-4-5	0.998	0.655	0.117	17.99	29.6	(413'4" - 418'4"
E-4-6	0.601	0.422	0.073	9.38	20.6	(418'4" - 424'0"
E-4-7	0.459	0.207	0.051	7.24	17.8	(424'0" - 429'0"
E-4-8	0.534	0.258	0.051	8.50	20.0	(429'0" - 434'0"
E-4-9	0.435	0.370	0.044	7.08	18.4	(434'0" - 439'0"
E-4-10	0.274	0.245	0.044	4.07	12.4	(439'0" - 445'0"
E-4-11	0.528	0.189	0.051	7.78	16.6	(393'0" - 398'4"
E-4-12	0.347	0.453	0.036	5.64	12.0	(388'0" - 393'0"
E-4-13	0.345	0.119	0.044	4.47	12.8	(383'0" - 388'0"

E-4-4 for tin = none

Line 42S

Assayed Hole: E-1

E-1	Interval	Interval Length	% Ni	$/ton Ni	ft x $/ton Ni	% Co	$/ton Co	ft x $/ton Co	% Cu	$/ton Cu	ft x $/ton Cu
-1	282'8" - 287'8"	5.00	0.301	4.45	22.25	0.029	0.87	4.35	0.126	0.82	4.10
	Ft assayed	5.00									

Ni value $\frac{22.25}{5}$ = $4.45/ton Co value $\frac{4.35}{5}$ = $0.87/ton Cu value $\frac{4.10}{5}$ = $0.82/ton

Line 52S

Assayed Hole: E-3

E-3	Interval	Interval Length	% Ni	$/ton Ni	ft x $/ton Ni	% Co	$/ton Co	ft x $/ton Co	% Cu	$/ton Cu	ft x $/ton Cu
-1	259'8" - 265'0"	5.33	0.792	11.72	62.47	0.073	2.19	11.67	0.283	1.85	9.86
-2	265' - 270'	5.00	0.686	10.15	50.75	0.073	2.19	10.95	0.308	2.01	10.05
-3	270' - 275'	5.00	0.873	12.92	64.60	0.088	2.64	13.20	0.289	1.88	9.40
-4	275' - 281'	6.00	0.802	11.87	71.22	0.080	2.40	14.40	1.026	6.69	40.14
-5	282' - 287'	5.00	0.684	10.12	50.60	0.080	2.40	12.00	0.598	3.90	19.50
-6	287' - 291'6"	4.50	0.703	10.40	46.80	0.073	2.19	9.85	0.844	5.50	24.75
-7	291'6" - 297'6"	6.00	0.371	5.49	32.94	0.036	1.08	6.48	0.233	1.52	9.12
	Ft assayed	36.83			379.38			78.55			122.82
	Not assayed	1.00									
	Total ft.	37.83									

Ni value $\frac{379.38}{37.83}$ = $10.028/ton Co value $\frac{78.55}{37.83}$ = $2.076/ton Cu value $\frac{122.82}{37.83}$ = $3.246/ton

Ni value $\frac{379.38}{36.83}$ = $10.30/ton Co value $\frac{78.55}{36.83}$ = $2.133/ton Cu value $\frac{122.82}{36.83}$ = $3.335/ton

Line 60S

Assayed Hole: E-4

E-4	Interval	Interval Length	% Ni	$/ton Ni	ft x $/ton Ni	% Co	$/ton Co	ft x $/ton Co	% Cu	$/ton Cu	ft x $/ton Cu
-1	357'10" - 362'11"	5.08	0.475	7.03	35.71	0.073	2.19	11.13	0.138	0.90	4.57
-2	398'4" - 403'4"	5.00	0.784	11.60	58.00	0.088	2.64	13.20	0.302	1.97	9.85
-3	403'4" - 408'4"	5.00	0.967	14.31	71.55	0.110	3.30	16.50	0.333	2.17	10.85
-4	408'4" - 413'4"	5.00	1.077	15.94	79.70	0.117	3.51	17.55	0.396	2.58	12.90
-5	413'4" - 418'4"	5.00	0.998	14.77	73.85	0.117	3.51	17.55	0.655	4.27	21.35
-6	418'4" - 424'	5.67	0.601	8.89	50.41	0.073	2.19	12.42	0.422	2.75	15.59
-7	424' - 429'	5.00	0.459	6.79	33.95	0.051	1.53	7.65	0.207	1.35	6.75
-8	429' - 434'	5.00	0.534	7.90	39.50	0.051	1.53	7.65	0.258	1.68	8.40
-9	434' - 439'	5.00	0.435	6.44	32.20	0.044	1.32	6.60	0.390	2.54	12.70
-10	439' - 445'	6.00	0.274	4.06	24.36	0.044	1.32	7.92	0.245	1.60	9.60
-11	393' - 398'4"	5.33	0.528	7.81	41.63	0.051	1.53	8.15	0.189	1.23	6.56
-12	388' - 393'	5.00	0.347	5.14	25.70	0.036	1.08	5.40	0.453	2.95	14.75
-13	383' - 388'	5.00	0.345	5.11	25.55	0.044	1.32	6.60	0.119	0.78	3.90
	Ft assayed	67.08			592.11			138.32			137.77
	Not assayed	20.09									
	Total ft.	87.17									

Ni value $\frac{592.11}{87.17}$ = $6.792/ton Co value $\frac{138.32}{87.17}$ = $1.586/ton Cu value $\frac{137.77}{87.17}$ = $1.580/ton

Ni value $\frac{592.11}{67.08}$ = $8.827/ton Co value $\frac{138.32}{67.08}$ = $2.062/ton Cu value $\frac{137.77}{67.08}$ = $2.053/ton

Line 94S

Assayed Hole: S-1

S-1	Interval	Interval Length	% Ni	$/ton Ni	ft x $/ton Ni	% Co	$/ton Co	ft x $/ton Co	% Cu	$/ton Cu	ft x $/ton Cu
-1	51'6" - 54'6"	3.00	0.934	13.82	41.46	0.088	2.64	7.92	0.170	1.11	3.33
-2	54'6" - 59'	4.50	1.446	21.40	96.30	0.117	3.51	15.80	0.466	3.04	13.68
-3	60'6" - 62'7"	2.08	0.365	5.40	11.23	0.058	1.74	3.62	0.809	5.27	10.96
-4	66'4" - 68'4"	2.00	0.710	10.51	21.02	0.080	2.40	4.80	0.176	1.15	2.30
	Ft assayed	11.58			170.01			32.14			30.27
	Not assayed	5.25									
	Total ft.	16.83									

Ni value $\frac{170.01}{16.83}$ = $10.101/ton Co value $\frac{32.14}{16.83}$ = $1.909/ton Cu value $\frac{30.27}{16.38}$ = $1.798/ton

Ni value $\frac{170.01}{11.58}$ = $14.689/ton Co value $\frac{32.14}{11.58}$ = $2.775/ton Cu value $\frac{30.27}{11.58}$ = $2.614/ton

DRILL LOG

Hole No.:	E-48-1	Angle:	-90°
Location:	48 S. +4.60E.	Bearing:	None
	Crawford Pond	Depth:	399'0"
	Ice Grid	Elevation:	110' above sea level
	Coordinates	Logged by:	D. E. Wyke
			8/10/61 to 8/26/61

Drill Hole Data

0' 0"	- 108' 0"	BX casing (removed)
0' 0"	- 143' 0"	AX casing (temporarily in hole - will be removed)
0' 0"	- 141' 0"	Overburden - no core
141' 0"	- 143' 0"	BX core
143' 0"	- 399' 0"	AX core

Depth		Lithology
0' 0"	- 52' 0"	Water
52' 0"	- 108' 0"	Mud
108' 0"	- 141' 0"	Sand, Cobbles, Boulders.
141' 0"	- 143' 5"	Schist: garnet; abundant biotite; carbonaceous; thin veins of quartz parallel to foliation; schistosity angle 45°.
143' 5"	- 147' 10"	Dolomite: altered; micaceous; 144' 0" - 144' 2" quartz vein; 144' 4" - 144' 9" quartz vein.
147' 10"	- 149' 3"	Schist: garnet; abundant biotite; carbonaceous.
149' 3"	- 151' 6"	Pegmatite: quartz, biotite.
151' 6"	- 156' 3"	Schist: garnet; abundant biotite; carbonaceous.
156' 3"	- 160' 7"	Pegmatite: quartz, biotite; inclusions of garnet schist.
160' 7"	- 162' 1"	Schist: garnet; micaceous, carbonaceous.

Depth	Lithology
162' 1" - 180' 11"	Schist: quartz, biotite, chlorite; minor graphite and pyrite; 173' 3" - 175' 1" garnetiferous; 176' 0" - 178' 8" garnetiferous.
180' 11" - 182' 7"	Marble: grey, impure; dolomitic.
182' 7" - 183' 10"	Schist: garnet; carbonaceous.
183' 10" - 193' 6"	Schist: quartz, muscovite, chlorite; graphite present but not consistent; 183' 10" - 185' 1" garnet present; 189' 9" - 191' 1" garnet present; 191' 1" - 192' 2" quartz vein with muscovite; 191' 4" - 191' 11" inclusion quartz-biotite schist.
193' 6" - 196' 2"	Pegmatite: quartz, abundant muscovite.
196' 2" - 202' 7"	Schist: quartz, muscovite, biotite, chlorite; minor graphite and pyrite; generally garnetiferous.
202' 7" - 223' 5"	Marble: generally white; micaceous; thin vein of quartz.
223' 5" - 268' 0"	Schist: quartz, biotite, muscovite, chlorite; intermittent chlorite; intermittent garnet; serpentine in fractures; minor graphite and pyrite; occasional calcite in fractures; 254' 5" - 260' 9" increase in serpentine and graphite, core broken; 263' 1" - 267' 6" increase in serpentine and graphite, core broken; 267' 6" - 268' 0" quartz.
268' 0" - 288' 9"	Norite: altered; biotite, chlorite, feldspar, serpentine present; pyrrhotite generally 1% but increases to 3% in some narrow 2" to 3" zones; some very narrow veinlets of pyrrhotite with copper visible.
288' 9" - 303' 5"	Schist: general rock type changing each 6" to 18" to quartz-biotite schist, biotite schist, or quartz-biotite-chlorite-schist; zones of disseminated garnet; some chloritic zones; disseminated pyrrhotite to 1%; few minor veinlets pyrrhotite cutting across core axis.

Depth		Lithology
303' 5"	- 373' 0"	Schist: quartz, biotite, chlorite; minor graphite and pyrite; serpentine in fractures; disseminated pyrrhotite to 1%; schistosity angle 55°; 311' 7" - 312' 5" quartz; 321' 4" - 322' 2" vein quartz-muscovite pegmatite; 335' 4" - 336' 11" vein quartz-muscovite pegmatite, some 2" biotite-rich zones; 367' 2" - 367' 9" impure marble.
373' 0"	- 377' 4"	Pegmatite: quartz, muscovite; minor biotite.
377' 4"	- 387' 8"	Schist: chlorite; minor biotite; narrow veins of quartz.
387' 8"	- 399' 0"	Pegmatite: quartz, muscovite; minor biotite.

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Total Depth 399' 0"

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No assays cut.....

DRILL LOG

Hole No.: E-50-1
Location: 49.90 S. + 6.88 E.
Crawford Pond
Ice Grid
Coordinates

Angle: -41°
Bearing: N. 72° W.
Depth: 565'
Elevation: 120' above sea level
Logged by: D. E. Wyke
11/1/61 to 11/30/61

Drill Hole Data:

0' 0"	- 1' 0"	Overburden - no core
1' 0"	- 77' 0"	AX casing and casing bit left in hole by request
1' 0"	- 77' 0"	Reamed for AX casing
1' 0"	- 45' 6"	AX core
45' 6"	- 75' 0"	Sand and boulders - no core except of boulders
75' 0"	- 565' 0"	AX core 12 hours cementing and drilling out cement in caving zones.

Depth		Lithology
0' 0"	- 1' 0"	Overburden, no core
1' 0"	- 27' 9"	Schist: quartz, biotite; strong pegmatization; occasional disseminated pyrrhotite; 17' 2" - 17' 9" biotite schist.
27' 9"	- 38' 2"	Pegmatite: quartz with abundant biotite lower 5'; quartz veins present.
38' 2"	- 45' 6" plus	Schist: quartz, biotite; disseminated garnet.
45' 6"	- 75' 0" minus	Schist: chlorite; serpentine present; minor calcite.
75' 0"	- 90' 8"	Pegmatite: quartz, biotite.
90' 8"	- 102' 5"	Schist: quartz, biotite; schistosity angle 60o.
102' 5"	- 138' 2"	Schist: quartz, biotite; schistosity angle increases to 80°; fine-grained; calcite on fractures.
138' 2"	- 142' 2"	Schist: hornblend, biotite; minor chlorite and serpentine.
142' 2"	- 146' 6"	Schist: quartz, biotite; angle 80°.
146' 6"	- 148' 10"	Schist: garnet; limey.
148' 10"	- 153' 7"	Pegmatite: quartz, biotite, muscovite.
153' 7"	- 157' 0"	Schist: quartz, biotite; calcite on fractures.
157' 0"	- 164' 2"	Altered dolomite: dolomite, serpentine; minor garnet; calcite on fractures; top 15" narrow bands of quartz-biotite schist and biotite schist.

Depth	Lithology
164' 2" - 166' 10"	Schist: quartz, biotite; angle 70°.
166' 10" - 169' 3"	Limey schist: calcite, biotite, chlorite; minor garnet.
169' 3" - 173' 5"	Limey schist: garnet; bands of biotite and quartz.
173' 5" - 176' 6"	Limey schist: micaceous; narrow bands of hornblend schist.
176' 6" - 188' 4"	Schist, limey: garnet; numerous bands of calcite; bands of hornblend and serpentine; 183' 5" - 184' 7" chlorite, serpentine, hornblend, angle generally 75° to 80°.
188' 4" - 191' 8"	Schist: quartz, biotite; calcite on fractures; abundant biotite; 191' 0" - 191' 8" marble.
191' 8" - 206' 1"	Schist: quartz, biotite; calcite on fractures; abundant biotite.
206' 1" - 210' 7"	Marble: impure; mica and garnet present; 208' 3" - 208' 7" garnet schist.
210' 7" - 211' 11"	Schist: garnet, limey.
211' 11" - 213' 0"	Marble and dolomite: bands of garnet schist.
213' 0" - 260' 8"	Schist: garnet; narrow bands of quartz and of calcite; narrow bands of biotite; abundant serpentine present; angle generally 60° to 80°.
260' 8" - 262' 11"	Schist: quartz, biotite; calcite veins.
262' 11" - 272' 3"	Schist: quartz, biotite, chlorite; minor graphite; minor calcite veins; angle 60° to 70°.
272' 3" - 313' 5"	Schist: quartz, biotite, chlorite; graphite to 2% parallel to schistosity; serpentine localized in 2" to 8" zones; decrease in graphite and increase in disseminated garnet below 285'; angle variable but generally 65°; occasional pyrrhotite and copper parallel to schistosity in serpentine zones.
313' 5" - 322' 4"	Schist: dominantly mica and garnet; veins of calcite; serpentine present.
322' 4" - 341' 10"	Limey schist: serpentine, garnet, calcite veins; calcite on fractures; graphite to 2%; 1" to 2" quartz veins; schistosity angle generally 70°.

Depth	Lithology
341' 10" - 346' 0"	Schist: hornblend; minor garnet; calcite on fractures.
346' 0" - 348' 3"	Schist: quartz, biotite; fine-grained.
348' 3" - 349' 4"	Pegmatite: quartz, biotite.
349' 4" - 351' 5"	Altered gabbro: hornblend, biotite, pyroxene, basic feldspar; 6" band quartz-biotite schist in center of section.
351' 5" - 355' 1"	Schist: quartz, biotite, chlorite; minor graphite; garnet parallel to schistosity; minor pyrite parallel to schistosity; schistosity angle generally 75°.
355' 1" - 356' 5"	Schist: quartz, hornblend, biotite.
356' 5" - 361' 4"	Schist: quartz, biotite, chlorite; serpentine; finely banded; garnet and minor pyrite parallel to schistosity; minor graphite; angle generally 75°; 360' 5" - 361' 4" hornblend-biotite schist.
361' 4" - 366' 3"	Schist: quartz, biotite; 361' 4" - 361' 10" biotite schist.
366' 3" - 368' 4"	Marble or dolomite: pegmatized; narrow vein of pyrrhotite at 366' 4".
368' 4" - 370' 11"	Schist: quartz, biotite.
370' 11" - 375' 12"	Schist: hornblend, biotite; biotite-rich lower 6"; calcite and pyrite in fractures; 371' 9" - 372' 2" quartz vein;
375' 12" - 380' 2"	Schist: quartz, biotite, serpentine; minor chlorite; pyrite on fractures; 377' 10" - 380' 2" schist contains sulfides to 25% including high copper; 379' increase in serpentine and biotite with decrease in quartz.
380' 2" - 408' 0"	Peridotite: anthophyllite, chlorite, biotite, pyroxene; biotite-rich top 6"; sulfides generally less that 15%: 380' 2" - 384' 0" sulfides 15%; 384' 0" - 392' 1" sulfides 15%, increase in chlorite; 392' 1" - 393' 8" sulfides 25%, increase in pyroxene; 393' 8" - 408' 0" sulfides 10% to 15%.
408' 0" - 411' 10"	Pegmatite: quartz, biotite; biotite-rich top 10"; generally 10% sulfides;

Depth	Lithology
411' 10" - 413' 0"	Peridotite: pyroxene, chlorite; sulfides 15%.
413' 0" - 415' 3"	Pegmatite: quartz, biotite; 5% sulfides top 12".
415' 3" - 416' 8"	Peridotite: pyroxene, chlorite, minor anthophyllite biotite-rich lower 1"; sulfides 10% to 15%.
416' 8" - 418' 11"	Pegmatite: quartz, biotite; sulfides 2% to 5%.
418' 11" - 420' 8"	Peridotite: pyroxene, chlorite; biotite-rich top and bottom; sulfides 5% to 10%.
420' 8" - 423' 2"	Pegmatite: quartz, biotite; sulfides 2%.
423' 2" - 426' 4"	Quartz: barren.
426' 4" - 428' 0"	Peridotite: pyroxene, chlorite; biotite-rich top and bottom; sulfides 2%.
428' 0" - 429' 6"	quartz: barren.
429' 6" - 430' 4"	Peridotite: pyroxene, chlorite, biotite;barren.
430' 4" - 432' 4"	Pegmatite: quartz, biotite.
432' 4" - 433' 1"	Peridotite: talc, anthophyllite;sulfides 20%.
433' 1" - 434' 8"	Pegmatite: quartz, biotite; sulfides 2% to 3%.
434' 8" - 435' 5"	Peridotite: talc, chlorite, anthophyllite; sulfides 10% to 15%.
435' 5" - 437' 3"	Pegmatite: quartz, biotite; inclusion of peridotite parallel to core axis with sulfides 5% to 10%.
437' 3" - 439' 6"	Peridotite: talc, chlorite, anthophyllite; sulfides 20% to 25%.
439' 6" - 440' 1"	Pegmatite: quartz, biotite; sulfides 2% to 4%.
440' 1" - 442' 10"	Peridotite: talc, chlorite, anthophyllite; sulfides to 15%.
442' 10" - 445' 6"	Pegmatite: sulfides 1%.
445' 6" - 452' 4"	Peridotite: talc, chlorite, anthophyllite; 10% sulfides to 452' 0"; lower 4" biotite-rich and barren.
452' 4" - 463' 0"	Peridotite: chlorite, pyroxene; sulfides 15% to 20%.

Depth	Lithology
463' 0" - 471' 3"	Peridotite: chlorite, anthophyllite; sulfides 5%; 463' 0" - 463' 3" quartz-biotite pegmatite; 464' 2" - 464' 7" quartz-biotite pegmatite; 465' 4" - 466' 6" quartz-biotite pegmatite; 469' 2" - 469' 8" quartz-biotite pegmatite; 469' 8" - 471' 3" biotite-rich.
471' 3" - 482' 7"	Peridotite: talc, chlorite; sulfides 2% to 5%.
482' 7" - 493' 3"	Quartz: top 6" contains possible NiS.
493' 3" - 499' 5"	Gabbro: fine-grained; biotitic; very minor sulfide: 493' 7" - 493' 11" quartz vein; 494' 5" - 494' 7" quartz vein; 498' 2" - 499' 0" quartz-biotite pegmatite.
499' 5" - 511' 6"	Peridotite: chlorite, pyroxene; sulfides to 50%; 499' 5" - 504' 8" sulfides 50% with high copper; 504' 8" - 507' 7" sulfides 25%; 507' 7" - 508' 7" sulfides 30%; 508' 7" - 509' 3" quartz vein with biotite; 509' 3" - 511' 6" sulfides 10%.
511' 6" - 515' 10"	Pegmatite: quartz, biotite.
515' 10" - 516' 9"	Gabbro: fine-grained and biotitic.
516' 9" - 518' 8"	Pegmatite: quartz, biotite.
518' 8" - 530' 10"	Peridotite: fine-grained with biotite and chlorite except for top 15" of coarse-grained chlorite peridotite; generally less than 2% sulfides finely disseminated; 520' 8" - 521' 3" sulfides 5%; 524' 8" - 525' 8" quartz-biotite schist with veins of pyrrhotite and high copper; 530' 2" - 530' 5" quartz vein with 2% sulfide; lower 18" of section increase in biotite.
530' 10" - 538' 2"	Gabbro: fine-grained; biotitic; minor sulfide.
538' 2" - 540' 6"	Schist: mica and quartz; finely divided sulfides to 3% parallel to schistosity.
540' 6" - 541' 6"	Gabbro: fine-grained; minor sulfides.
541' 6" - 544' 5"	Schist: quartz, biotite; fine-grained; contains 2% pyrrhotite parallel to schistosity; pyrite on fractures.

Depth	Lithology
544' 5" - 565' 0"	Schist: quartz, biotite; some chlorite and serpentine; minor graphite; minor sulfide (5%) to 546' 3" with high copper; 550' 0" - 552' 10" quartz-biotite pegmatite; schistosity angle 45° to core axis.

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Total Depth 565' 0"

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DRILL LOG

Hole No.:	E-62-1	Angle:	-41°
Location:	61.75 S. + 4.70 E.	Bearing:	N. 72° W.
	Crawford Pond	Depth:	364'
	Ice Grid	Elevation:	110' above sea level
	Coordinates	Logged by:	D. E. Wyke
			7/1/61 to 7/18/61

Drill Hole Data:

0' 0"	- 46' 0"	NX casing (left in hole at Operator's request)
45' 0"	- 55' 0"	AX casing (left in hole at Operator's request)
55' 0"	- 249' 0"	AX casing lost in hole
0' 0"	- 46' 0"	Sand (no core)
46' 0"	- 249' 0"	BXWL core
249' 0"	- 364' 0"	AX core

Depth		Lithology
0' 0"	- 46' 0"	Sand
46' 0"	- 68' 9"	Schist: quartz, biotite; pegmatized; schistosity angle with core axis 70°.
68' 9"	- 71' 10"	Schist: quartz, chlorite; 3" altered hornblend schist near base of section; 70' 11" - 71' 4" vein quartz-biotite pegmatite.
71' 10"	- 73' 0"	Schist: quartz, biotite; schistosity angle 70° to core axis; 72' 1" - 72' 5" quartz-chlorite schist.
73' 0"	- 77' 11"	Pegmatite: quartz, biotite; 74' 7" - 75' 0" chloritic; 76' 7" - 76' 10" chloritic.
77' 11"	- 89' 5"	Schist: quartz, biotite; strong pegmatization.
89' 5"	- 91' 8"	Schist: quartz, biotite; minor chlorite; minor pyrite lower 3"; schistosity angle generally 80°; 89' 5" - 89' 9" quartz vein with pyrite; 90' 10" - 91' 5" quartz-biotite-hornblend schist.
91' 8"	- 98' 9"	Pegmatite: quartz, biotite; 3" inclusion quartz-biotite schist.

Depth	Lithology
98' 9" - 107' 10"	Marble: impure, probably dolomitic; pegmatized lower 2'.
107' 10" - 120' 6"	Schist: quartz, biotite; strong pegmatization; inclusions quartz-biotite schist and biotite schist.
120' 6" - 138' 0"	Marble: partly dissolved by ground water; abundant disseminated garnet; micaceous; narrow quartz veins; 130' 9" - 138' 0" dolomitic; 120' 6" - 130' 9" fractured core.
138' 0" - 141' 2"	Schist: garnet; calcareous; minor calcite and quartz veins.
141' 2" - 162' 0"	Schist: quartz, biotite, chlorite, garnet; calcareous; narrow quartz veins.
162' 0" - 164' 3"	Schist: quartz, biotite, chlorite; minor garnet; calcareous and micaceous.
164' 3" - 166' 0"	Pegmatite: quartz, biotite.
166' 0" - 204' 0"	Schist: quartz, biotite, chlorite; minor garnet; calcareous and micaceous; 2" to 8" quartz-biotite pegmatite veins; increase in garnet at 184'; 184' - 204' fractured core.
204' 0" - 213' 3"	Pegmatite: quartz, muscovite; minor biotite.
213' 3" - 272' 3"	Schist: quartz, chlorite, biotite; garnetiferous top 3'; irregular schistosity; calcareous and micaceous; evidence of very minor graphite; pyrite in fractures; Changed to AX core at 249' 0" for better recovery and condition of core....
272' 3" - 283' 4"	Schist: quartz, muscovite, biotite; fine-grained; poor schistosity; 3" to 8" veins quartz-biotite pegmatite; strongly pegmatized section.
283' 4" - 295' 3"	Schist: quartz, biotite, chlorite; minor graphite; minor pyrite; minor pyrrhotite below 295' 0".

Depth	Lithology
295' 3" - 302' 10"	Peridotite: pyroxene; chloritic; 295' 3" - 295' 7" pyrrhotite semi-massive with high copper content; 295' 7" - 302' 10" pyrrhotite to 25%; pyrrhotite disseminated and doubtfully interconnected.
302' 10" - 320' 0"	Pegmatite: quartz, biotite; top 6" contains 10% pyrrhotite and copper; 317' 5" - 317' 11" contains 10% pyrrhotite.
320' 0" - 325' 6"	Peridotite: pyroxene; less chlorite than above section; pyrrhotite to 40% plus; disseminated and interconnected.
325' 6" - 330' 0"	Peridotite: pyroxene; minor chlorite; pyrrhotite to 55%.
330' 0" - 334' 8"	Pegmatite: quartz, biotite; inclusions anthophylite peridotite with 5% to 15% pyrrhotite from: 330' 9" - 331' 2" 331' 8" - 332' 0" 333' 1" - 333' 10"
334' 8" - 339' 1"	Peridotite: pyroxene; chloritic; pyrrhotite generally 25%; pyrrhotite to 30%; 338' 3" - 339' 1" massive pyrrhotite.
339' 1" - 343' 0"	Schist: quartz, biotite, chlorite, graphite; graphite 2% to 3%; pyrrhotite 1% top 18"; schistosity angle with core axis 60°.
343' 0" - 364' 0"	Schist: quartz, chlorite; minor biotite; schistosity angle 60°; minor graphite and pyrite; 1" veins quartz; strong pegmatization below 362' 1".

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Total Depth 364' 0"

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ASSAYS:	E-62-1-1	295' 3" - 302' 0"	
	E-62-1-2	302' 0" - 305' 6"	
	E-62-1-3	305' 6" - 320' 0"	dike
	E-62-1-4	320' 0" - 325' 0"	
	E-62-1-5	325' 0" - 330' 0"	
	E-62-1-6	330' 0" - 335' 0"	dike
	E-62-1-7	335' 0" - 339' 2"	

DRILL LOG

Hole No.: E-64-1
Location: 63.87 S + 4.3 E
Crawford Pond
Ice Grid
Coordinates

Angle: -42°
Bearing: N. 72° W.
Depth: 550'
Elevation: 120' (water level +10)
Logged by: D. E. Wyke
6/10/61 to 6/30/61

Drill Hole Data:

0' 0"	- 50' 0"	Overburden
50' 0"	- 52' 0"	BX Core
52' 0"	- 550' 0"	AX Core

Depth	Lithology
0' 0" - 50' 0"	Overburden (sand and boulders).
50' 0" - 54' 0"	Schist: quartz, biotite-rich; poor schistosity.
54' 0" - 60' 0"	Pegmatite: quartz, biotite; 55' 8" - 55' 11" inclusion of altered pyroxene containing no sulfides; 58' - 60' biotite-rich.
60' 0" - 69' 7"	Schist: quartz, biotite-rich; strongly pegmatized lower 29"; 60' 6" - 61' 2" quartz-biotite pegmatite.
69' 7" 102' 10"	Pegmatite: quartz, muscovite; minor biotite; 101' 4" - 101' 8" inclusion of quartz-biotite schist.
102' 10" - 109' 6"	Schist: quartz, biotite-rich; poor schistosity; calcite in fractures.
109' 6" - 115' 6"	Marble and Dolomite: 115' 6" - 137' 3" white marble; 137' 3" - 155' 0" dolomite; 155' 0" - 157' 10" Grey altered dolomite; 157' 10" - 158' 0" quartz vein.

Depth	Lithology
158' 0" - 173' 10"	Schist: quartz, biotite; minor chlorite; strong pegmatization; minor garnet in bands; schistosity angle 70° to core axis; 164'7" - 165' 3" quartz vein.
173' 10" - 181' 3"	Schist: quartz, biotite-rich, hornblende; banded garnet; schistosity angle 80° to core axis.
181' 3" - 182' 10"	Schist: quartz, biotite; schistosity angle 70° to core axis.
182' 10" - 187' 2"	Schist: quartz, biotite, hornblende; banded garnet; 185' 5" - 187' 2" garnet-rich in pegmatized zone.
187' 2" - 205' 7"	Schist: quartz, hornblende; minor biotite and garnet; calcite in fractures; 193'6" - 193' 11" biotite-rich zone with 1/2" quartz vein; 1/8" pyrrhotite vein cutting core at 40° to axis; minor pyrrhotite disseminated; pyrite on fracture surface; 203' 7" - 204' 3" quartz-biotite-muscovite pegmatite with minor pyrite.
205' 7" - 208' 11"	Pegmatite: quartz, muscovite; minor biotite; 208' 2" - 208' 11" garnet-rich.
208' 11" - 217' 2"	Schist: quartz, biotite, chlorite; minor disseminated garnet; strong pegmatization.
217' 2" - 218' 4"	Pegmatite: quartz, biotite, muscovite.
218' 4" - 297' 7"	Schist: quartz, biotite, chlorite, garnet; minor graphite with associated pyrite; pyrite in veinlets, disseminated; schistosity angle generally 60° to 80° to core axis, below 280' angle is 70°.
297' 7" - 300' 0"	Schist: quartz, biotite; minor hornblende; schistosity poor.

Depth	Lithology
300' 0" - 301' 4"	Schist; quartz, biotite, chlorite, garnet; minor graphite and pyrite; top of section shows ground water present.
301' 4" - 302' 1"	Schist: quartz, biotite; schistosity poor.
302' 1" - 312' 0"	Schist; soft chlorite; 302' 2" - 309' 0" fissure with mud and sand; 309'0" - 312'0" soft mica schist with poor core recovery, broken
312' 0" - 314' 6"	Schist: quartz, biotite, chlorite; very soft; schistosity angle 70° to core axis.
314' 6" - 316' 0"	Pegmatite: quartz, muscovite.
316' 0" - 327' 2"	Schist: quartz, biotite, hornblende; 324' 6" - 326' 2" gabbro or diorite, barren.
327' 2" - 338' 5"	Schist: quartz, chlorite, minor biotite, minor graphite; pyrite to 2%; 335' 6" - 337' 0" graphite to 5%; 337' 0" - 338' 5" highly altered by pegmatite.
338' 5" - 358' 8"	Pegmatite: quartz, biotite; minor disseminated garnet; 338' 5" - 338' 10" as above; 338' 10" - 341' 4" fine grained, dark grey to black hornblende schist, abundant biotite, minor quartz; 341' 4" - 341' 5" quartz vein; 341' 5" - 342' 6" massive pyrrhotite; 342' 6" - 343' 4" semi-massive pyrrhotite in quartz-garnet-biotite pegmatite; 343' 4" - 344' 6" biotite-rich zone with chlorite and biotite containing 10% to 15% pyrrhotite and 5% copper; 344' 6" - 345' 0" massive pyrrhotite; 345' 0" - 345' 3" 5% to 10% pyrrhotite and copper in quartz-biotite-garnet pegmatite; 345' 3" - 351' 4" quartz dominant with minor biotite, two 1/8" veinlets pyrite cutting across core axis at 30°, garnetiferous from 346' 3"-346' 6";

Depth	Lithology
	351'4" - 351' 5" fine-grained black hornblende-biotite schist; 351' 5" - 351' 6" massive pyrrhotite; 351' 6" - 351' 10" biotite schist with minor hornblende; 351' 10" - 354' 0" massive pyrrhotite with high copper content; 354' 0" - 354' 11" pegmatite with quartz, biotite and minor disseminated pyrrhotite; 354' 11" - 357' 3" quartz-biotite-chlorite schist with minor garnet; pyrrhotite to 2%; schistosity angle variable but approximately 75° to core axis (probably an inclusion); lower 2" zone 25% pyrrhotite; 357' 3" - 358' 8" massive pyrrhotite with high copper content.
358' 8" - 367' 6"	Schist: quartz, biotite; minor chlorite and garnet; schistosity angle 70° to 90° variable to core axis; very minor pyrrhotite.
367' 6" - 372' 0"	Schist: quartz, hornblende, chlorite; very minor pyrrhotite; schistosity angle 50° to core axis.
372' 0" - 376' 0"	Schist: quartz, hornblende; fine-grained; 372' 0" - 372' 5" quartz vein; 375' 0" - 376' 0" quartz vein with inclusion of hornblende schist.
376' 0" - 379' 7"	Schist; garnet; quartz, biotite, chlorite present.
379' 7" - 385' 4"	Schist: quartz, biotite-rich; strongly pegmatized; schistosity angle 60° to core axis
385' 4" - 394' 0"	Schist: quartz, hornblende; minor calcite in thin fractures; biotite-rich on either side of narrow quartz veins; increase in biotite lower 12".
394' 0" - 396' 5"	Pegmatite: quartz, biotite.

Depth	Lithology
396' 5" - 397' 5"	Schist: quartz, biotite; very minor hornblende.
397' 5" - 400' 0"	Pegmatite: quartz dominant; minor muscovite and biotite.
400' 0" - 409' 11"	Schist: quartz, biotite; fine-grained; resembles quartzite.
409' 11" - 421' 3"	Schist: quartz, biotite; top 3' of section pegmatized; biotite-rich; chloritic.
421' 3" - 435' 4"	Schist: quartz, biotite, hornblende; fine-grained; quartz-biotite pegmatite and quartz veins parallel to core axis; minor pyrrhotite crystals at border of pegmatite and schist.
435' 4" - 449' 10"	Pegmatite: quartz, muscovite; minor biotite; rare crystal of pyrrhotite.
449' 10" - 452' 5"	Schist: quartz, biotite; strong pegmatization.
452' 5" - 457' 2"	Pegmatite: quartz, muscovite; minor biotite.
457' 2" - 463' 1"	Schist: quartz, biotite; strong pegmatization.
463' 1" - 465' 8"	Pegmatite: quartz, muscovite; minor biotite.
465' 8" - 491' 0"	Schist; quartz, biotite; strong pegmatization; some 4" to 8" quartz-biotite pegmatite veins.
491' 0"-502' 3"	Pegmatite: quartz, muscovite, biotite; minor tourmaline.
502' 3" - 507' 6"	Schist; quartz, biotite; strong pegmatization.
507' 6" - 513' 0"	Pegmatite: quartz, biotite, muscovite.
513' 0" - 527' 9"	Schist: quartz, biotite; strong pegmatization; schistosity angle 80°.

Depth	Lithology
527' 9" - 530' 3"	Schist: quartz, biotite; minor hornblende and chlorite; schistosity angle 80°.
530' 3" - 550' 0"	Schist: quartz, biotite; few inclusions quartz-biotite schist with hornblende.

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Total Depth 550'0"

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ASSAYS:

E-64-1-1 341' 4" - 345' 3"
E-64-1-2 351' 5" - 354' 0"
E-64-1-3 357' 0" - 358' 8"

DRILL LOG

Hole No. :	E-64-2	Angle:	-60°
Location:	63.87 S. + 4.30 E. Crawford Pond Ice Grid Coordinates	Bearing:	N. 72° W.
		Depth:	T.D.A. 157' 7" (7-31-61) T.D. 399' 6"
		Elevation:	120' above sea level
		Logged by:	D. E. Wyke 7-19-61 to 8-9-61

Drill Hole Data:

0' 0"	-28' 0"	BX casing left in hole by request also 2' out of hole...total 30' BX casing.
0' 0"	-25' 10"	Overburden, no core
25' 10"	-28' 0"	BX core
28' 0"	-399' 6"	BX Wireline core.

Depth		Lithology
0' 0"	-25' 10"	Soil and sand.
25' 10"	-26' 6"	Pegmatite: quartz, muscovite; minor biotite.
26' 6"	-27' 11"	Schist: quartz, biotite; fine-grained; dark grey color, possibly hornblende; narrow irregular veinlet of chlorite and pyroxene containing very minor pyrrhotite giving positive Ni test; minor effervescence indicates presence of carbonate.
27' 11"	-139' 4"	Pegmatite: dominantly quartz; muscovite and minor biotite present; abundant large feldspar crystals, some basic; narrow carbonaceous zones containing serpentine; below 100' calcite in fractures; 28' 7" - 29' 11" inclusion quartz-biotite schist; 29' 11" - 30' 4" pegmatized marble or dolomite; 34' 8" - 35' 6" pegmatized marble or dolomite;

Depth	Lithology
	41' 8" - 42' 2" inclusion quartz-biotite schist; 44' 2" - 44' 7" inclusion quartz- biotite schist, probable hornblende; 47' 7" - 48' 0" quartz-biotite-chlorite schist inclusion; 48' 4" - 48' 9" fine-grained quartz-biotite schist, dark grey, probable hornblende; 48' 9" - 52' 6" as above but veined with quartz parallel to core axis; 112' 6" - 129' 0" increase in biotite.
139' 4" - 157' 7"	Marble: generally white; 147' 4" - 148' 7" serpentenitic; 155' 0" - 157' 0 dolomitic.

Total depth attained July 31, 1961.

157' 7" - 158' 6"	Pegmatite: quartz dominant; abundant feldspar, some basic feldspar; fractured; calcite in fractures.
158' 6" - 160' 2"	Schist: abundant quartz-biotite; calcite in fractures.
160' 2" - 165' 2"	Pegmatite: quartz dominant; muscovite present; some basic feldspar.
165' 2" - 167' 0"	Schist; biotite; fine-grained; brobable hornblende present; narrow veins of quartz; calcite in fractures; schistosity 80° to core axis.
167' 0" - 178' 1"	Pegmatite: quartz, muscovite; minor garnet; 177' 5" - 178' 1" inclusion quartz-biotite-chlorite schist; narrow quartz veins; disseminated garnet; schistosity angle 50°.
179' 5" - 192' 6"	Schist: quartz, biotite, chlorite; narrow quartz veins; disseminated garnet; 192' 0" - 192' 6" increase in biotite; schistosity angle 50° to core axis.

Depth	Lithology
192' 6" - 196' 1"	Schist: garnet; fine bands of biotite; possible hornblende; thin quartz veins; schistosity angle 60° to core axis.
196' 1" - 200' 2"	Schist: quartz, biotite chlorite, garnet; probable hornblende; calcite in fractures; 199' 8" - 200' 2" increase in biotite and hornblende.
200' 2" - 204' 7"	Pegmatite: quartz dominant; muscovite; biotite lower 18".
204' 7" - 207' 7"	Schist: hornblende; possible altered diorite; biotite-rich upper and lower 2"; fine-grained; thin quartz veins; calcite in fractures.
207' 7" - 210' 1"	Pegmatite: quartz, biotite, muscovite.
210' 1" - 228' 3"	Norite: altered; fine-grained; basic feldspar, pyroxene; minor chlorite and biotite; calcite in fractures; calcareous; 210' 1" - 214' 6" strong pegmatization; 228' 0" - 228' 3" quartz veins.
228' 3" - 229' 5"	Schist: fine-grained; hornblende; biotite; calcareous; fine bands of garnet.
229' 5" - 231' 1"	Schist: garnet; bands of quartz; calcite on fractures.
231' 1" - 268' 5"	Schist: quartz, muscovite, biotite, chlorite; garnet disseminated; 2" to 8" quartz veins; 231' 1" - 232' 6" quartz-muscovite pegmatite; 237'6" - 238' 0" Garnet schist; schistosity angle generally 70° to 80°.

Depth	Lithology
268' 5" - 275' 4"	Schist: quartz, biotite, chlorite; disseminated garnet; garnet also in thin bands; increase in biotite over above section; graphite present in minor amount; serpentine parallel to foliction; 272' 6" - 275' 4" core broken and more graphitic.
275' 4" - 278' 6"	Pegmatite: quartz, muscovite; minor biotite.
278' 6" - 290' 4"	Schist: quartz, muscovite; minor biotite; probably a pegmatized schist; increase in biotite from 288' 0".
290' 4" - 302' 8"	Schist: quartz, biotite, chlorite; disseminated garnet; braphite present; schistosity angle generally 60° to 80°; minor disseminated pyrrhotite parallel to foliation.
302' 8" - 317' 4"	Pegmatite: quartz, muscovite; minor garnet.
317' 4" - 322' 0"	Schist: quartz, biotite, chlorite; graphite; pyrite associated with graphite; increase in biotite below 320' 0"; 321' 9" - 321' 10" vein quartz-biotite pegmatite; 321' 10" - 322' 0" biotite schist.
322' 0" - 327' 10"	Massive pyrrhotite: garnet 1%; 3% other minerals identified as biotite and serpentine; occassional quartz; high copper content; section not determined to be basic with hand lens.
327' 10" - 332' 3"	Schist: quartz, biotite, chlorite; disseminated garnet; top 2" contains 20% pyrrhotite and copper.
332' 3" - 335' 4"	Pegmatite: quartz, biotite.

Depth	Lithology
335' 4" - 369' 5"	Schist: quartz, biotite, chlorite; minor graphite; strongly pegmatized to 357'; schistosity angle 70° to 90°.
369' 5" - 372' 2"	Pegmatite: quartz, muscovite; minor biotite; minor garnet.
372' 2" - 376' 6"	Schist: quartz, biotite, chlorite; disseminated garnet; very minor graphite.
376' 6" - 377' 10"	Schist: quartz, biotite; disseminated garnet; abundant basic feldspar; minor pyroxene; very minor pyrrhotite.
377' 10' - 378' 2"	Schist: garnet, biotite; chlorite and pyroxene in minor amount; 2% disseminated pyrrhotite; quartz present.
378' 2" 379' 10"	Schist: garnet, quartz; occassional radiating crystal, probable anthophylite; very minor pyrrhotite.
379' 10" - 381' 1"	Pegmatite: quartz, biotite; minor muscovite; abundant basic feldspar.
381' 1" - 384' 11"	Altered basic: chlorite, pyroxene, biotite-rich; pyrrhotite -1%; quartz representing thin irregular veins; fine-grained; dark-green color; lower 14" gradation to quartz-biotite schist; top 3" has disseminated garnet.
384' 11" - 388' 11"	Pegmatite: quartz, muscovite; minor biotite; very minor pyrrhotite associated with biotite crystals; 387' 5" - 388' 0" quartz-biotite-chlorite schist. 388' 0" - 388' 5" quartz-biotite schist; 388' 5" - 388' 11" quartz-biotite pegmatite.

Depth	Lithology
388' 11" - 389' 6"	Pegmatized basic: fine-grained; hornblend or augite, pyroxene, chlorite.
389' 6" - 399' 6"	Schist: hornblend or augite; pyroxene minor; streaked with fine quartz veins; biotite present.

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Total Depth 399' 6"

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ASSAY: E-64-2-1 322' 0" - 328' 0"

TABULATION OF ASSAYS

Hole No.	Assay No.	Interval	Cu %	S %	Fe %	Ni %	Co %
E-60-2	1	369' 9" - 374' 9"	0.497	18.17	32.8	0.951	0.095
	2	374' 9" - 379' 9"	0.371	16.66	29.8	0.886	0.103
1.08 @ 74.5'	3	379' 9" - 384' 9"	0.648	18.90	35.6	1.008	0.103
	4	384' 9" - 389' 9"	0.422	21.19	38.4	1.097 1.079	0.110
	5	389' 9" - 394' 4"	0.522	20.64	37.2	1.097	0.103
E-52-2	1	350' 3" - 355' 0"	0.063	2.82	8.4	1.5039 0.227	0.029
	2	355' 0" - 360' 0"	0.189	7.23	14.2	0.422	0.036
	3	360' 0" - 365' 0"	0.144	6.62	13.4	0.443	0.051
0.280 @ 49.7'	4	365' 0" - 370' 0"	0.434	4.01	10.4	0.256	0.029
	5	370' 0" - 375' 0"	0.623	4.88	10.6	0.307	0.029
	6	375' 0" - 380' 0"	0.359	8.08	17.8	0.530	0.014
	7	380' 0" - 385' 0"	0.201	1.46	6.2	0.122	0.036
	8	385' 0" - 390' 0"	0.207	3.65	9.4	0.274	0.022
	9	390' 0" - 395' 0"	0.126	1.51	6.0	0.140	0.014
	10	395' 0" - 400' 0"	0.195	0.87	6.2	0.079	0.014
E-55-1	1	297' 8" - 303' 0"	0.346	13.79	28.4	0.843	0.102
	2	303' 0" - 308' 0"	0.680	13.96	31.6	0.983	0.095
	3	308' 0" - 313' 0"	0.510	15.68	31.8	0.780	0.088
1.081 @ 46.4'	4	313' 0" - 318' 0"	0.283	17.37	34.6	1.079	0.088
	5	318' 0" - 325' 0"	0.176	1.92	8.6	0.156	0.014
	6	325' 0" - 330' 0"	0.415	24.29	46.8	1.593	0.073
	7	330' 0" - 335' 0"	0.617	31.98	54.2	1.914	0.095
	8	335' 0" - 340' 0"	1.012	30.97	53.0	1.719	0.110
	9	340' 0" - 344' 2"	1.315	29.24	47.4	1.662	0.117
E-55-2	1	321' 1" - 325' 0"	0.107	5.09		0.337	
	2	325' 0" - 330' 0"	0.207	7.50	16.6	0.430	0.088
	3	330' 0" - 336' 6"	0.170	8.47	18.8	0.548	0.058
	4	336' 6" - 340' 4"	0.119	3.71		0.244	
0.383 @ 64.6'	5	340' 4" - 344' 6"	0.270	9.26		0.532	
	6	344' 6" - 349' 0"	0.107	5.89	14.0	0.333	0.073
	7	349' 0" - 354' 0"	0.156	11.64	24.0	0.727	0.058
	8	354' 0" - 358' 8"	0.387	7.11	15.8	0.394	0.066
	9	365' 11" - 370' 5"	0.170	7.16		0.402	
	10	370' 5" - 372' 9"	0.321	9.40		0.394	
	11	372' 9" - 378' 10"	0.504	2.47		0.138	
	12	378' 10" - 385' 7"	0.308	11.88	23.8	0.707	0.058

TABULATION OF ASSAYS

	Hole No.	Assay No.	Interval	Cu %	S %	Fe %	Ni %	Co %
	E-55-3	1	365' 2" - 370' 0"	0.113	5.03	11.4	0.316	0.022
		2	370' 0" - 375' 0"	0.220	6.06	13.4	0.375	0.014
0.519 @ 26.2		3	375' 0" - 380' 0"	0.441	10.36	19.8	0.613	0.036
		4	380' 0" - 385' 0"	0.522	7.89	14.6	0.447	0.029
		5	385' 0" - 391' 3"	0.233	14.29	26.4	0.845	0.058
	E-62-1	1	295' 3" - 302' 0"	0.189	7.10	14.8	0.398	0.044
		2	302' 0" - 305' 6"	0.138	5.09	11.4	0.284	0.029
		3	305' 6" - 320' 0"	0.088			0.073	
0.45 @ 43.9'		4	320' 0" - 325' 0"	0.201	14.06	28.6	0.744	0.073
		5	325' 0" - 330' 0"	0.252	16.04	31.4	0.845	0.088
		6	330' 0" - 335' 0"	0.088			0.170	
		7	335' 0" - 339' 2"	0.302	12.40	24.2	0.638	0.059
1.119 @ 16.6	E-64-1	1	341' 4" - 345' 3"	0.441	23.14	38.4	1.213	0.088
		2	351' 5" - 353' 2"	0.567	29.95	47.8	1.715	0.110
		3	356' 2" - 357' 10"	0.340	27.26	44.6	1.528	0.102
							1.956	
1.503 @ 6.0	E-64-2	1	322' 0" - 328' 0"	0.655	28.88	47.6	1.503	0.117
							1.119	

TABULATION OF ASSAYS

Hole No.	Assay No.	Interval	Cu %	S %	Fe %	Ni %	Co %
E-50-1	1	378' 0" - 383' 0"	0.315			0.162	
	2	383' 0" - 388' 0"	0.081			0.174	
	3	388' 0" - 394' 0"	0.107			0.406	
	4	394' 0" - 404' 0"	0.050	0.91	6.2	0.097	0.014
	5	404' 0" - 413' 0"	0.081			0.138	
	6a	413' 0" - 415' 3"					
	b	416' 8" - 418' 11"	0.113			0.109	
0.181	c	420' 8" - 423' 2"					
(2) 148.0	7a	415' 3" - 416' 8"					
	b	418' 11" - 420' 8"	0.081			0.203	
	c	426' 4" - 428' 0"					
	8a	423' 2" - 426' 4"					
	b	428' 0" - 429' 6"				0.020	
	c	429' 6" - 430' 4"					
	d	430' 4" - 432' 4"					
	9a	432' 4" - 433' 1"					
	b	434' 8" - 435' 5"	0.113			0.211	
	c	435' 5" - 437' 3"					
	10a	433' 1" - 434' 8"	0.056			0.060	
	b	442' 10" - 445' 6"					
	11	437' 3" - 442' 10"	0.107	4.99	12.0	0.312	0.022
	12	445' 6" - 450' 0"	0.056			0.115	
	13	450' 0" - 455' 0"	0.144			0.251	
	14	455' 0" - 463' 0"	0.163	2.42	11.4	0.308	0.014
	15	463' 0" - 471' 2"	0.056			0.069	
	16	471' 2" - 477' 0"	0.094			0.125	
	17	477' 0" - 482' 7"	0.113			0.154	
	18	482' 7" - 483' 3"	0.031	0.03		0.130	
	19	493' 0" - 499' 4"	0.037			0.028	
	20	499' 4" - 504' 4"	0.434	9.04	18.8	0.694	0.051
	21	504' 4" - 511' 4"	0.056	1.13	8.2	0.134	0.014
	22	518' 4" - 526' 2"	0.220			0.079	

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