010

Diamond Drilling

Area VALORA LAKE

Report Nº 45

Work performed by: Steep Rock Iron Mines Limited

Claim Nº	Hole Nº	Footage	Date	Note
PA 37553	BB-1	110.0'	Oct/66	
	BB-2	115.0'	Oct/66	
	BB-3	31.0'	Oct/66	
	BB-4	98.0'	Oct/66	
Total:-	4 DH	354 Feet		

Notes:

DIAMOND DRILL HOLE LOG

BEIDELMAN BAY

D.D. HOLE BB-1

LOCATION: Claim Pa. 37553 LAT: 9,835 North DEP: 17,611 East
340' South and 110' East of Post 4

DIP: Collar -28° AZIMUTH: 128° 30' DEPTH: 110 feet

STARTED: October 20, 1966 COMPLETED: October 23, 1966

LOGGED BY: A. T. Avison and S. J. Carryer

FROM	TO	DESCRIPTION
0'	27' 1"	Silicified Granite - Grey-green medium grained rock with coarse grained blue quartz eyes. 5% disseminated sulphides (2 - 3% chalcopyrite, 2% pyrite and minor pyrrhotite and molybdenite). 17' 7" to 17' 11" - quartz vein with minor chalcopyrite and molybdenite. 18' - 1" quartz vein with 3% chalcopyrite, 19' - ½" quartz vein with 1% chalcopyrite and 1% pyrite and pyrrhotite. 24' 3" to 24' 5" - quartz veins with 5% chalcopyrite and pyrrhotite, core angle 30°. 24' 6" - quartz vein; barren. 26' 11" to 27' 1" - band fine grained feldspar with chlorite, barren.
27' 1"	40' 0"	Feldspar Granite - Grey-green fine grained chloritic rock with minor sulphides (chalcopyrite, pyrrhotite and pyrite) concentrated along narrow silicified bands. Faint foliation with core angle at 45° - 60° caused by alignment of chloritic blebs. 35' - 1" quartz vein, 36' 6" - 1" quartz vein.
40' 0"	38' 2"	Silicified Granite - Similar to 0' to 27' 1" but with only 1 - 2% sulphides (in proportions estimated at 2 parts chalcopyrite, 2 parts pyrite and 1 part pyrrhotite). Pyrite disseminated through the rock and as stringers along weak shearing. 44' 6" to 44' 9" - fine grained pale grey-green feldspar with 1/16" band of chalcopyrite and molybdenite. At 45' and 46' are 4" quartz veins.
48' 2"	51' 3"	Dark Schist - Hornblende and biotite bands alternating with quartz feldspar bands (proportion 3:2). Core angle 50° - 70° with minor irregularities in the banding. No sulphides.
51' 3"	53' 6"	Silicified Granite - Similar to 40' 0" to 48' 2" with weak shearing at core angle 45°.
53' 6"	55' 6"	Dark Schist - Similar to 48' 2" to 51' 3" with core angle 60° - 70°. ½" quartz vein barren of sulphides at 55' 6".

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D.D. HOLE BB-1 (cont.)

FROM	TO	DESCRIPTION
55' 6"	110'	Silicified Granite - Similar to 0' to 27' 1" but with less than 1% sulphides. Occasional 1/16" - 1/4" bands of 10% sulphides (chalcopyrite, pyrite and pyrrhotite). At 73' is a weak shearing at core angle 65°. 78' - faint foliation at 35°. 97' 4" to 99' - is fine grained with weak foliation at 45° and some quartz tourmaline replacing the granite. 71' 0" to 71' 2" - barren quartz vein at core angle 30°. At 73' 6" and 74' 2" are 2" barren quartz veins with contacts at core angle 55°. 79' 0" to 79' 3" - quartz-pyrite vein. 80' - 1½" quartz pyrite vine. 105' - weak shearing at core angle 70° - 80°.
110'		END OF HOLE

SAMPLE NO.	FOOTAGE	Cu%	MoS_2%	Au oz.
2681	0' - 10'	0.85	0.023	Tr.
2682	10' - 20'	0.71	0.023	0.005
2683	20' - 27'	0.77	0.040	0.005
2684	27' - 40'	0.30	0.029	Tr.
2685	40' - 48'	0.35	0.035	0.005
2686	48' - 55' 6"	0.10	0.009	Tr.
2687	55' 6" - 70'	0.14	0.024	Tr.
2688	70' - 80'	0.14	0.017	Tr.
2689	80' - 90'	0.11	0.018	Tr.
2690	90' - 100'	0.10	0.023	Tr.
2691	100' - 110'	0.16	0.024	Tr.

29.6

DIAMOND DRILL HOLE LOG

BEIDELMAN BAY

D.D. HOLE BD-2

LOCATION: Claim Pa.37553 LAT: 9,886 North DEP: 17,556 East
290' South and 55' East of Post 4

DIP: Collar -43° AZIMUTH: 128° 30' DEPTH: 115'

STARTED: October 23, 1966 COMPLETED: October 26, 1966

LOGGED BY: S. J. Carryer

FROM	TO	DESCRIPTION
0'	13' 6"	Overburden - Sand and boulders
13' 6"	30' 0"	Feldspar Porphyry - Grey medium to fine grained rock with numerous white feldspar phenocrysts. Chlorite flecks and minor pyrite are disseminated throughout the rock. Zones of shearing typified by a fine grained chloritic rock with few feldspar eyes and shearing at a core angle of 80° - 90° occur at 21' 6" to 21' 8", 22' 10" to 23' 6", 25' 0" to 28' 8", 27' 9" to 28' 4", 28' 9" to 30' 0". Shearing becomes more intense toward the contact but no brecciation is apparent.
30' 0"	86' 0"	Silicified Granite - Grey-green fine to medium grained rock with blue quartz eyes. 2 to 5% sulphides (chalcopyrite, pyrrhotite and pyrite) are disseminated through the rock. 39' 10" - 1" quartz vein, barren. 42' 8" to 42' 10" - quartz vein cutting core at low angle (near parallel), barren. 43' 9" - 1" quartz veins at core angle 45°. 48' to 55' - faint foliation at a core angle of 40° to 50°. The sulphides tend to follow this foliation in narrow stringers. 66' 6" to 66' 9" - pink feldspar with a 1/4" band of granite cuts core at 45°. 72' 10" - ½" quartz vein at a core angle of 60°, barren. 73' 8" to 73' 10" - weak shearing at core angle 45°. 73' 10" to 86' 0" - more intense silification of the granite. 82' 3" to 83' 0" - quartz with 25% sulphides, mainly pyrrhotite with 2 to 5% chalcopyrite and minor pyrite. 85' 9" to 86' 0" - three ½" quartz veins.
86' 0"	89' 0"	Dark Schist - Hornblende-biotite schist with quartz-feldspar eyes and bands. Schistosity at core angle of 70°.
89' 0"	90' 8"	Silicified Granite - Similar to 30' to 86' but with only 1% sulphides, mainly pyrite very highly silicified with occasional narrow quartz veins. 89' 0" to 89' 4" - quartz vein at core angle 10°.
90' 8"	92' 9"	Dark Schist - as 86' to 89' with core angle 50° - 70°.

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FROM	TO	DESCRIPTION
92' 9"	115'	Silicified Granite - Similar to 30' to 86' with minor pyrite and occasional grains of chalcopyrite. Sulphide mineralization increases from 112' 8" to end. 92' 9" to 93' 0" - highly silicified. 94' 2" - 1/4" quartz vein at core angle 60°, barren. 99' 9" - minor shearing at core angle 40°. 103' 5" - 1" quartz veins at core angle 35°, barren. 106' 6" to 106' 9" - 3 narrow quartz veins. 108' 8" to 109' 0" - two ½" quartz veins. 110' 5" - ½" quartz vein at core angle 80°. 112' 6" - two ½" quartz veins at core angle 50°. 112' 8" to end increase in sulphides to 5% with chalcopyrite dominant over pyrite.
115'		END OF HOLE

SAMPLE NO.	FOOTAGE	Cu%	MoS2%	Au oz.	Ag oz
2692	13' 6" - 20'	0.02	0.023	Tr.	0.02
2693	20' - 30'	0.03	0.015	Tr.	Tr.
2694	30' - 40'	0.26	0.047	0.003	0.16
2695	40' - 50'	0.22	0.023	0.005	0.14
2696	50' - 58'	0.31	0.024	0.005	0.22
2697	58' - 66'	0.38	0.029	0.005	0.22
2698	66' - 73' 10"	0.38	0.020	0.003	0.19
2699	73' 10" - 86'	0.58	0.035	0.01	0.41
2700	86' - 92' 9"	0.05	0.015	Tr.	0.03
4684	92' 9" - 103'	0.11	0.029	Tr.	0.05
4685	103' - 115'	0.25	0.036	0.002	0.13

DIAMOND DRILL HOLE LOG

BEIDELMAN BAY

D.D. HOLE BB-3

LOCATION: Claim Pa.37553 — 290' South and 50' East of Post 4 — **LAT:** 9,385' North — **DEP:** 17,554' Eas

DIP: Collar -45° — **AZIMUTH:** 315° — **DEPTH:** 31'

STARTED: October 27, 1966 — **COMPLETED:** October 28, 1966

LOGGED BY: S. J. Carryer

FROM	TO	DESCRIPTION
0'	12'	Overburden - Sand and boulders.
12'	31'	Feldspar Porphyry - Grey fine to medium grained rock with numerous phenocrysts of white feldspar. Chlorite and minor pyrite occur throughout the rock. 26' 6" - 1/8" quartz vein with core angle 45°, barren. 30' 3" to 31' shearing at core angle of 30°. Much of rock has a weak foliation at 30° which appears to be due to alignment of chlorite along very weak shearing.
31'		END OF HOLE

SAMPLE NO.	FOOTAGE	Cu%	MoS_2%
4686	12' - 20'	0.04	0.019
4687	20' - 31'	0.02	0.020

DIAMOND DRILL HOLE LOG

BEIDELMAN BAY

D.D. HOLE BB-4

LOCATION: Claim Pa.37553 LAT: 9,914' North DEP: 17,510' East
260' South and 10' East of Post 4

DIP: Collar -45° AZIMUTH: 315° DEPTH: 98'

LOGGED BY: S. J. Carryer

FROM	TO	DESCRIPTION
0'	15' 3"	Overburden - Sand and boulders.
15' 3"	39' 11"	Silicified Granite - Grey-green medium grained rock with coarse grained blue quartz eyes. 15' 3" to 23' - 2 to 5% disseminated sulphides (chalcopyrite, pyrite and pyrrhotite). 23' to 39' 11" - sulphides decrease to 1 - 2% with pyrrhotite dominant over pyrite and chalcopyrite. 16' 3" to 16' 9" - dark grey fine grained granite with minor pyrite only. 23' 6" to 24' 0" - dark grey granite as above. Core angle of contact 70°. 25' 8" to 25' 11" - dark grey granite as above. Core angle of contact 60°. 27' 7" - 2" quartz vein at core angle 40°, barren. 30' 0" to 30' 7" - dark grey fine grained granite with no sulphides observed. Core angle of contact 50°. 38' 10" to 39' 1" - quartz vein with chloritic banding.
39' 11"	42' 3"	Sheared Feldspar Porphyry - Dark grey fine grained chloritic rock with minor sulphides (pyrrhotite, pyrite and chalcopyrite). Weak shearing at core angle 70°. Occasional narrow barren quartz veins cut the rock.
42' 3"	49' 11"	Feldspar Porphyry - Dark grey green medium to fine grained rock with numerous white feldspar phenocrysts. Minor disseminated pyrite and chalcopyrite. Some narrow shear zones similar to 39' 11" to 42' 3". 43' 9" - 1" quartz vein with minor chalcopyrite along margins. Core angle 65°. 44' 0" - 1" quartz vein with 10% chalcopyrite and some chlorite. Core angle 90°. 44' 1" to 44' 4" - shear zone. 49' 4" to 49' 6" - shear zone.
49' 11"	59' 1"	Silicified Granite - as 15' 3" to 39' 11". 1 to 5% sulphides mainly pyrrhotite, with some pyrite and chalcopyrite. The sulphides are most variable in proportion. 52' 2" to 53' 8" - dark grey fine grained granite. No sulphides observed. 54' 3" to 55' 0" - as 52' 2" to 53' 8".
59' 1"	63' 1"	Diorite - Medium to fine grained white speckled black rock. Minor foliation close to and parallel to contact at core angle 45°.
63' 1"	76' 9"	Silicified Granite - as 15' 3" to 39' 11" with 2 to 5% sulphides mainly pyrite. 63' 1" to 63' 3" - 10% pyrite in quartz stringers.

D.D. HOLE BB-4 (cont.)

FROM	TO	DESCRIPTION
76' 9"	98'	Quartz Feldspar Porphyry - Dark green grey rock with numerous blue quartz and white feldspar phenocrysts in fine grained chloritic ground mass. Very minor pyrite is disseminated through the rock. Shearing at core angle 60° observed at the contact merges gradually into the massive rock.
98'		END OF HOLE

SAMPLE	FOOTAGE	Cu%	MoS_2%	Au oz.	Ag oz
4688	15' 3" - 26'	0.26	0.077	0.02	0.02
4689	26' - 39' 11"	0.08	0.032		
4690	39' 11" - 49' 4"	0.07	0.016		
4691	49' 4" - 59' 1"	0.09	0.032	Tr.	0.07
4692	59' 1" - 63' 1"	0.01	0.015		
4693	63' 1" - 76' 9"	0.06	0.029		
4694	76' 9" - 87'	0.03	0.024		
4695	87' - 98'	0.02	0.020		

D.D.H.

DIAMOND DRILLING

Southwest Sturgeon Lake, Beidelman Bay - October 1966

Total Footage - 354 feet

D.D. Hole #1 - 110' - Dip -28°, Azimuth 128° 30'

D.D. Hole #2 - 115' - Dip -43°, Azimuth 128° 30'

D.D. Hole #3 - 31' - Dip -45°, Azimuth 315°

D.D. Hole #4 - 98' - Dip -45°, Azimuth 315°

Core Diameter 7/8" 357

Drill Owner - Steep Rock Iron Mines Ltd., Steep Rock Lake, Atikokan, Ontario

Dates of Operation - October 20, 1966 to October 31, 1966

ASSESSMENT DAYS

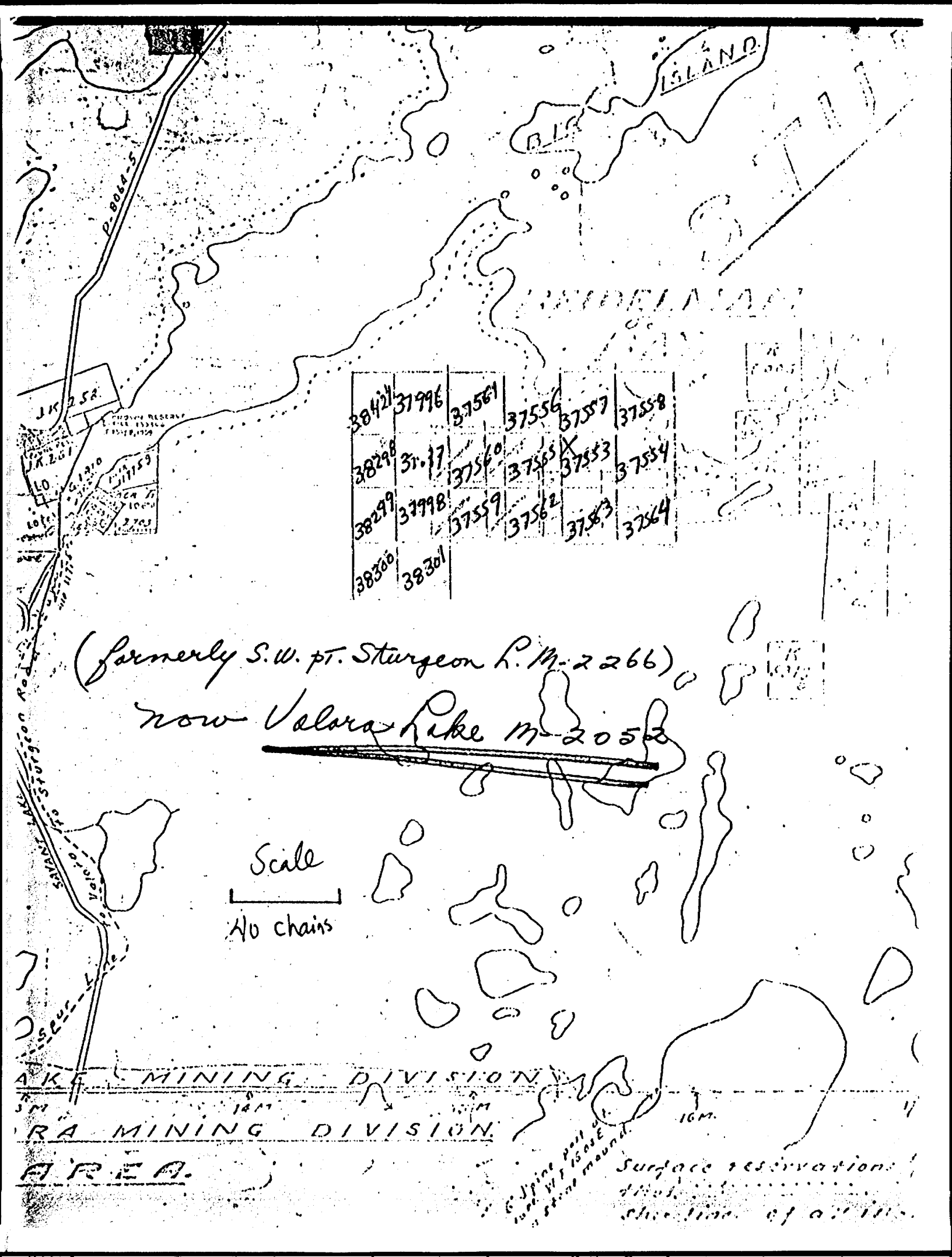
225 feet @ 1 day/foot = 225 days

129 feet @ 1 day/4 feet = 32.3 days

Total 257.3 days

S.J.C.

SJC/ma
June 1967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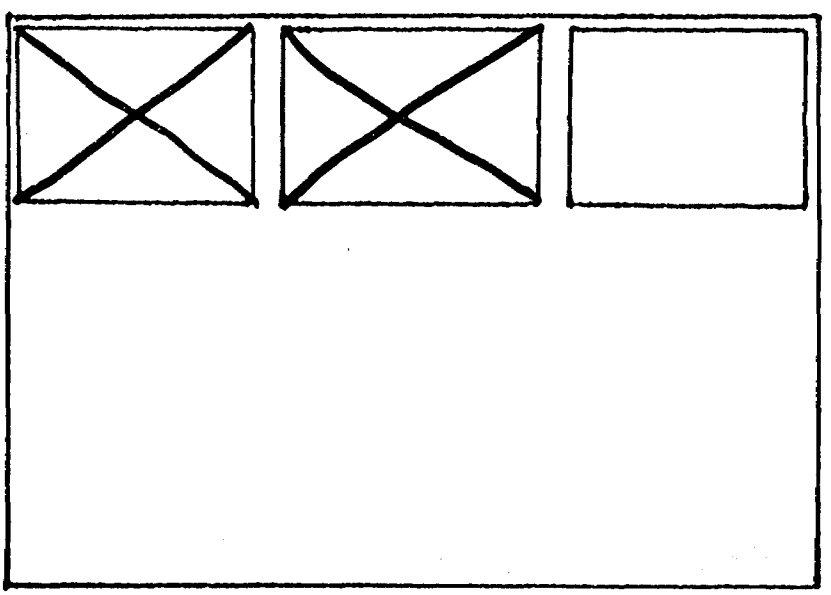
37563
37564
38300
38301
(formerly S.W. pt. Sturgeon L. M-2266)
now Velora Lake M-2052
Scale
40 chains
AKE MINING DIVISION
RA MINING DIVISION
AREA
Surface reservations

SEE ACCOMPANYING MAP(S) IDENTIFIED AS

52 G/14 SE-0012-A1 # 1-2

LOCATED IN THE MAP CHANNEL IN THE FOLLOWING SEQUENCE

(X)



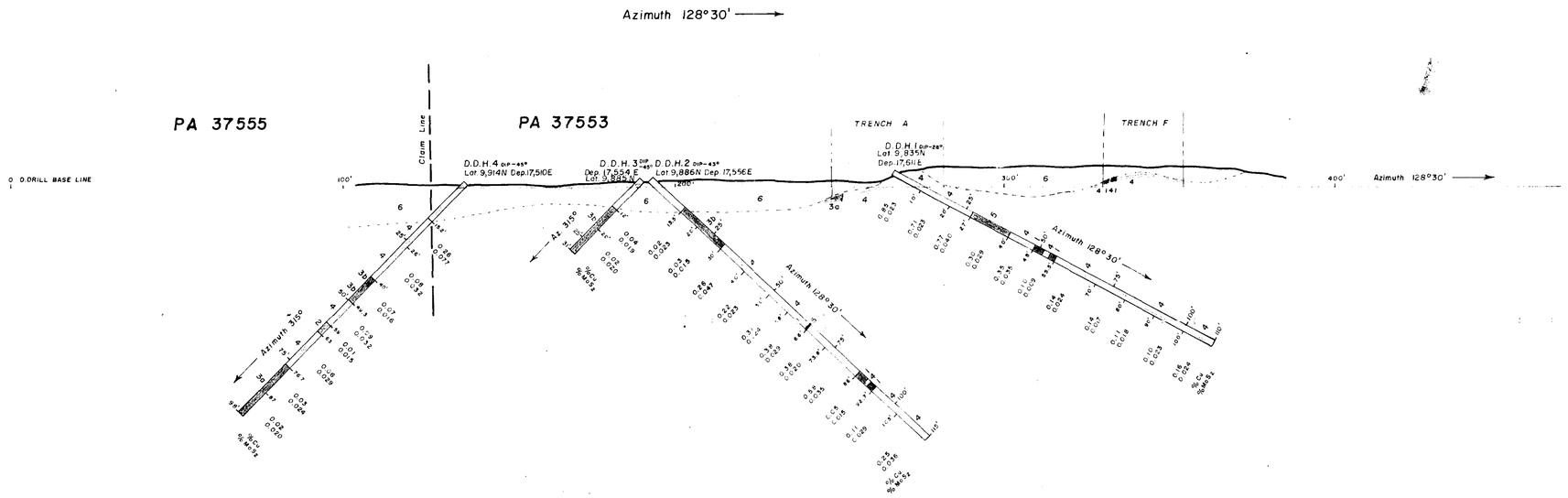
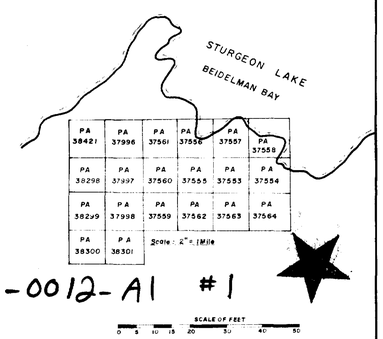


TABLE OF FORMATIONS

6	6	OVERBURDEN, Sand and Boulders
5	5	FELDSPAR GRANITE
4	4	SILICIFIED GRANITE
3b	3b	FELDSPAR PORPHYRY
3a	3a	QUARTZ – FELDSPAR PORPHYRY
2	2	QUARTZ DIORITE
1	1	SCHIST
		SHEARING
		GEOLOGICAL CONTACT

TRENCHES PROJECTED PERPENDICULAR TO SECTION LINE



SCALE OF FEET
0 5 10 15 20 30 40 50

N.T.S. REFERENCE 52 – G/14

52 G/14SE-0012-A1 #1

PATRICIA MINING DIV. RECEIVED JUN 21 1966 AM PM

STEEP ROCK IRON MINES LTD.

BEIDELMAN BAY PROPERTY, STURGEON LAKE, PATRICIA MIN. DIV.

SECTION OF D.D.H's 1,2,3,4

CLAIMS PA 37553, PA 37555

DATE: MAY, 1967

SCALE: 1INCH = 20 FEET s.s.s.

S.J.Corryer, Geologist

17,300E | 17,400E | 17,500E | 17,600E | 17,700E | 17,800E

10,200N

PA 37556

PA 37557

THE MAGNETIC DECLINATION IN THIS AREA IS N 2°00'E

N

10,100N

10,000N

BASELINE Azimuth 270°00' true

PA 37555

PA 37553

TRENCH D

TRENCH A

TRENCH B

TRENCH C

TRENCH E

TRENCH F

TRENCH G

D.D.H. 1 DIP -28°

D.D.H. 2 DIP -45°

D.D.H. 3 DIP -45°

D.D.H. 4 DIP -45°

24 FOOT CLAIM LINE

HICKEY LINE

LINE OF DRILL SECTION

9,900N

9,800N

9,700N

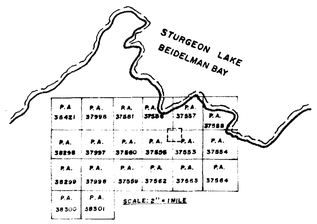


TABLE OF FORMATIONS

OVERBURDEN – GRAVEL AND BOULDERS

5 — FELDSPAR GRANITE

4 — SILICIFIED GRANITE

3b — a, QUARTZ FELDSPAR PORPHYRY. b, FELDSPAR PORPHYRY

2 — QUARTZ DIORITE

1 — SCHIST

LEGEND

- EXPOSED BEDROCK
- AREA OF INTERMITTANT BEDROCK EXPOSURE overburden 0'–2' thick
- Pit 2'x2'x2'
- DIAMOND DRILL HOLE COLLAR
- D.D.HOLE PROJECTED VERTICALLY TO SURFACE D.D.H 7/8" diameter core
- 4 — DEPTH OF OVERBURDEN
- CHANNEL SAMPLE
- CLAIM LINES WITH CLAIM POSTS

TOTAL OVERBURDEN REMOVED APPROX. 1,750 cu.ft. trenches approx. 2.5' wide

TOTAL BEDROCK REMOVED APPROX. 850 cu.ft. along 2'x2' channel

NOTE:
The measured distances shown (⟵——⟶) are to the nearest claim lines

Scale of Feet
0 5 10 15 20 30 40 50

N.T.S. REFERENCE 52 – G/14

STEEP ROCK IRON MINES LTD.

BEIDELMAN BAY PROPERTY, STURGEON LAKE, PATRICIA MIN. DIV.

PLAN OF TRENCHES

DATE: May 1967

SCALE: 1 inch = 20 Feet

APP: S.J.Corryer, Geologist

52G/14SE-0012-A1 #2

210