

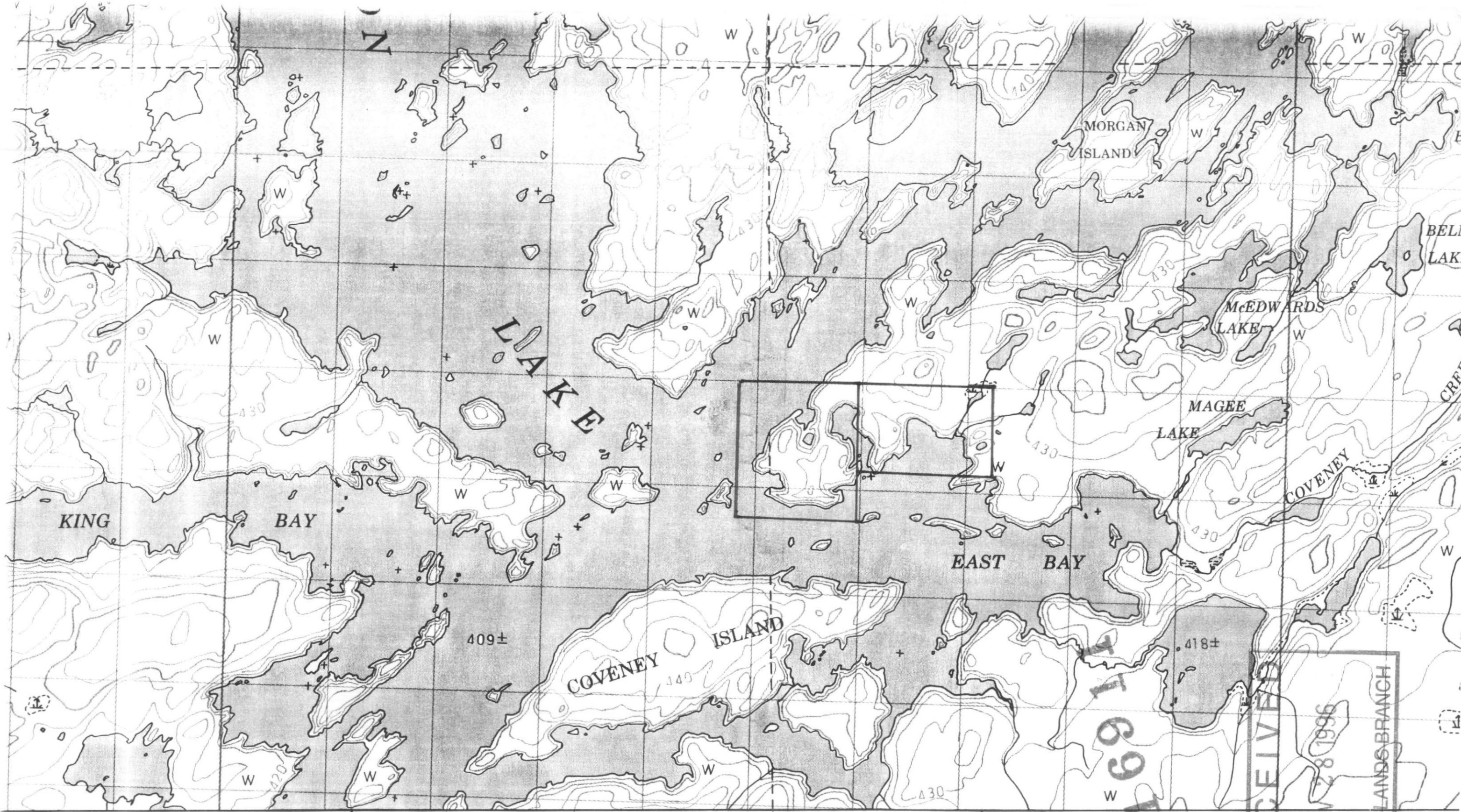


PROSPECTING AND ASSESSMENT REPORT
 ON EAST BAY AREA
 STURGEON LAKE G-3140
 GOLD AND BASE METALS
 PROSPECT
 CLAIMS HELD BY:
 EQUATOR MINING CORP

Submitted by: Edward A. Barkauskas
 November 18, 1996

RECORDED
 & INDEXED
 DIVISION

NOV 23 1996



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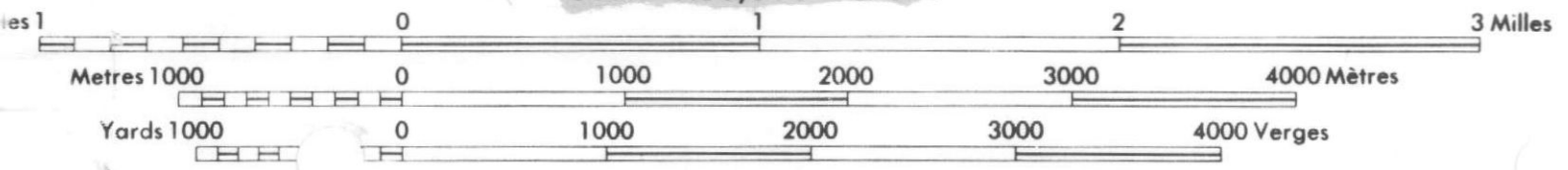
SAVANT LAKE

ONTARIO

Equator Mine Corp.
Assessment Blocks

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 MINING LANDS BRANCH

Scale 1:50,000 Échelle



ÉLEVATIONS EN MÈTRES AU-DESSUS DU NIVEAU M
ÉQUIDISTANCE DES COURBES

SYSTÈME DE RÉFÉRENCE GÉODÉSIQUE NORD-AMÉRI
PROJECTION TRANSVERSE DE MERCATOR

PROPERTY NAME: Equator Mining Corp

CLAIMS: 1162854 (9 units) Held 100% by Equator Mining Corp

LOCATION: East Bay Area, Squaw Lake Map G3140

PATRICIA MINING DIVISION

APPROXIMATE LOCATION: Lat 50 ° 01' 36"

Long 90 ° 41' 10"

This ground was staked by Edward A. Barkauskas for Equator.

ACCESS: From Sioux Lookout the claims can be accessed via Hwy 516 East for 110 km to the junction of Hwy 599 and then south along Hwy 599 for 40 km to Whisky Jack Lodge. From this point the distance to claims is 20 km by boat or skidoo access, along the lake only.

OBJECTIVE: To strip overburden material to expose quartz veins or anomalies that grab samples can be assayed. Targeting Gold and Base metals.

METHOD: Mark III Wajax High pressure waterpump to strip light organic soils to expose bedrock for mineral identification. Seven sites were selected that were ground truthed prior to stripping and appeared promising. Also, other hand tools were used to assist in the trenching and stripping of overburden material. One day was devoted to locating target sites followed up by five days of stripping and trenching.

HISTORY: In the past fifty years there has been extensive work done in the area especially on sites 4, 5 & 7 (see Map 1C). In the 1970's ground Electromagnetic work was performed by means of the H.E.M. method horizontal loop. It was found there was various conductor's such as pyrite and pyrrhotite anomalies (Iron Duke Adit). On sites 1, 2, 3 & 6 (see Map 1C). No detectable disturbances of overburden was noted. The geology will be referred to as per work site. Also, all work sites have been double flagged, Red, Orange and quite visible from the lake.

WORK LOCATIONS:

Site 1: Located 27 meters south of claimpost PA 1162854 (East - West claim line) along the shore of Sturgeon Lake (see Map 1C). The stripped area from the lakeshore is 21 metres in length, 3 metres wide, and on a bearing of 160 magnetic. The stripping of moss and duff layers of 1" to 4", down to bedrock on slopes up to 20% was performed on this site. It was indicated the geology is Mafic to Intermediate Metavolcanics and fine to medium

grained flows. It was found the bedrock was solid greenstone with narrow bands of Quartz imbedded primarily into granite. No mineralization was detected.

- Site 2: Located in the south end of bay, off Sturgeon Lake (see Map 1C). It was indicated, geology consisted of Mafic to Intermediate Metavolcanics with schists, phyllites, (chlorite, carbonate), tremolite, and chloritoids. It was found at this site solid to broken greenstone with slight mineralization. Iron was present with a rustic zone and flecks of pyrite. It was situated on a 12% slope, with sporadic stripping down to bedrock (1" to 6" layer). From the lake on a bearing 160 Magnetic, 28 metres long and 5 meters wide was stripped. no samples taken.
- Site 3: Located along a finger-like peninsula off a bay (see Map 1C), geology indicated same in site 2. Found on this site, granite outcrops with ribbon-like quartz veins in layers and no mineralization. Also a solid greenstone belt further away from the shoreline. An area of 70 metres long and 10 meters wide was stripped on a bearing 205 Magnetic (from shoreline) duff layer 1 to 3 inches in thickness and no grab samples taken.
- Site 4: Located on a point in East Bay, north of Coveney Island (see Map 1C), geology indicates Metavolcanics and metasediments (sulphide facies iron formation) unsubdivided. It was found that this site had been worked and stripped at an earlier date. There was iron sulphates with heavy mineralization and a distinct rustic coloured zone that could easily be seen from the lake. Slope was 80% and grab samples were taken off the rock face.
- Site 5: Located on a point in East Bay (see Map 1C) 120 metres east of work site. 4. An old bulldozer trail was still usable and visible from the lake. Geology indicated Metavolcanics and metasediments unsubdivided. It was found the duff layer was too thick for power pumps to strip and a bulldozer would have been more suitable. Heavy mineralization of Iron sulphates and pyrite was found but work site was abandoned due to difficulty of removing overburden.
- Site 6: Located on a point in East Bay (see Map 1C). Geology indicated same as site 5. Three rock outcrops were stripped, 10 meters in length and 3 meters in width. One to three inches of duff was removed on a 3% slope, at 360 Magnetic from the lakeshore. Exposed bedrock was granite with ribbons of white quartz in layers with no mineralization occurring. Also portions of solid greenstone was present.

Site 7: Located on a point in East Bay near entrance to bay. Believe this to be called the Iron Duke UTM Zone 15 Northing 5543939 Easting 665737. There has been work performed at this adit as early as 1934. Later in 1986 several drill holes were added to the already workings of a 50 foot long adit carved into the rock face. Geology indicates Ferruginous metasediments, metavolcanics and metasediments with gold, quartz, and sulphide mineralization present. Trees and wood debris were cut and removed on east and west faces of this adit. Furthermore, both faces 5 meters each side were cleaned down to bedrock exposing quartz veins. Area was stripped and trenched on east side of adit. It was found quartz veins were stratified and widened out on a East-Southeast dip towards the lake. Quartz were heavily mineralized with Iron sulphates and pyrite. Also 5 meters south of each face was excavated and cleaned down to a solid quartz vein. Grab samples were taken for Gold and multi-element assay's to follow. Forty kilograms of samples were taken and insignificant amounts of Gold was present (.001 oz/ton). In the multi-element assay's major elements indicated 20% Fe; 440 ppm Cr; 1300 ppm Mn; 85 ppm As; 120 ppm P. The mineralization occurred in quartz - sulphide vein.

OTHER ASSOCIATED ROCK TYPES:

- 1) Metabasalt
- 2) Graphitic sediments
- 3) Feldspar porhyro-crystic metabasalt
- 4) Magnetic-pyrite iron formation

ECONOMIC MINERALS:

- 1) Pyrite
- 2) Magnetite
- 3) Gold
- 4) Chalcopyrite

CONCLUSION: In the past fifty years, there has been enough work performed at this adit with no economic value seen at this time. Although this area has not provided glaring results, there is still enough interest to warrant more work in the area. The work location should be shifted further south under the water following the quartz vein (Sturgeon Lake). There are significant widths in the quartz veins (20 meters) for further exploration. More comprehensive work is needed to further substantiate this claim.

Maps

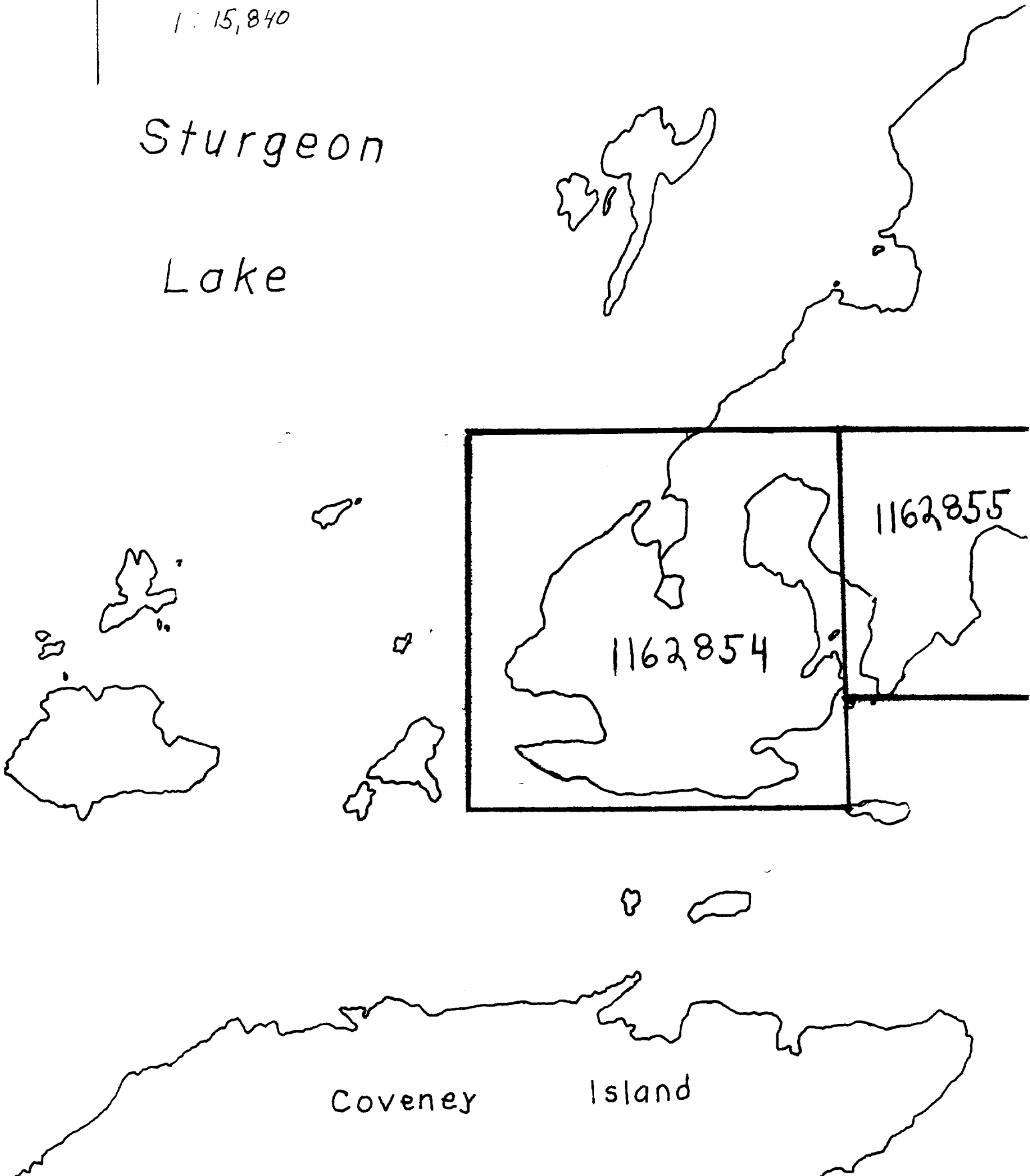
Assessment Claim Blocks



Scale
1" = $\frac{1}{4}$ mile
1 : 15,840

Sturgeon

Lake



Work Locations

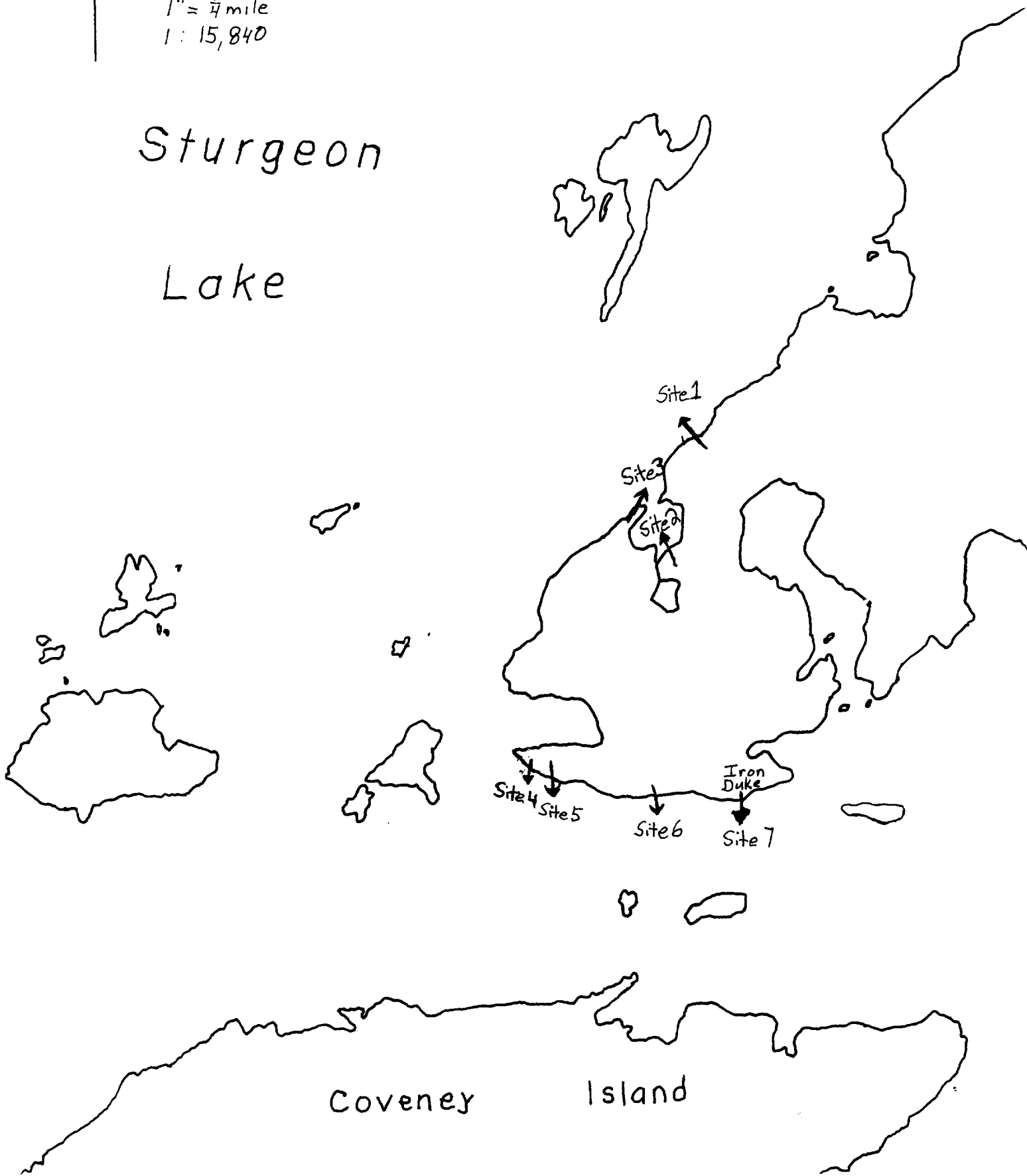
Map 1C



Scale
1" = $\frac{1}{4}$ mile
1 : 15,840

Sturgeon

Lake



Coveney

Island

Assay's



Established 1928

Swastika Laboratories

A Division of TSI/Assayers Inc.

Assaying - Consulting - Representation

Assay Certificate

6W-4651-RA1

Company: **E. BARKAUSKAS**

Date: NOV-13-96

Project:

Att: **E. Barkauskas**

We hereby certify the following Assay of 3 Rock samples
submitted NOV-04-96 by .

Sample Number	Au oz/ton	Au Check oz/ton	Multi Element
Iron Duke-001-96	0.001	0.001	Results
Iron Duke-002-96	Nil	-	to
Iron Duke-003-96	0.001	-	follow

Certified by _____

P.O. Box 10, Swastika, Ontario P0K 1T0
Telephone (705) 642-3244 FAX (705) 642-3300

E. BARKAUSKAS

TSL/ASSAYERS LABORATORIES

1270 FEWSTER DRIVE, UNIT 3 MISSISSAUGA, ONTARIO L4W-1A4

PHONE #: (905)602-8236

FAX #: (905)206-0513

REPORT No. : M8299

Page No. : 1 of 1

File No. : NV14KA

Date : NOV-15-1996

I.C.A.P. PLASMA SCAN

Aqua-Regia Digestion

6W-4651-RA1

[89] #1

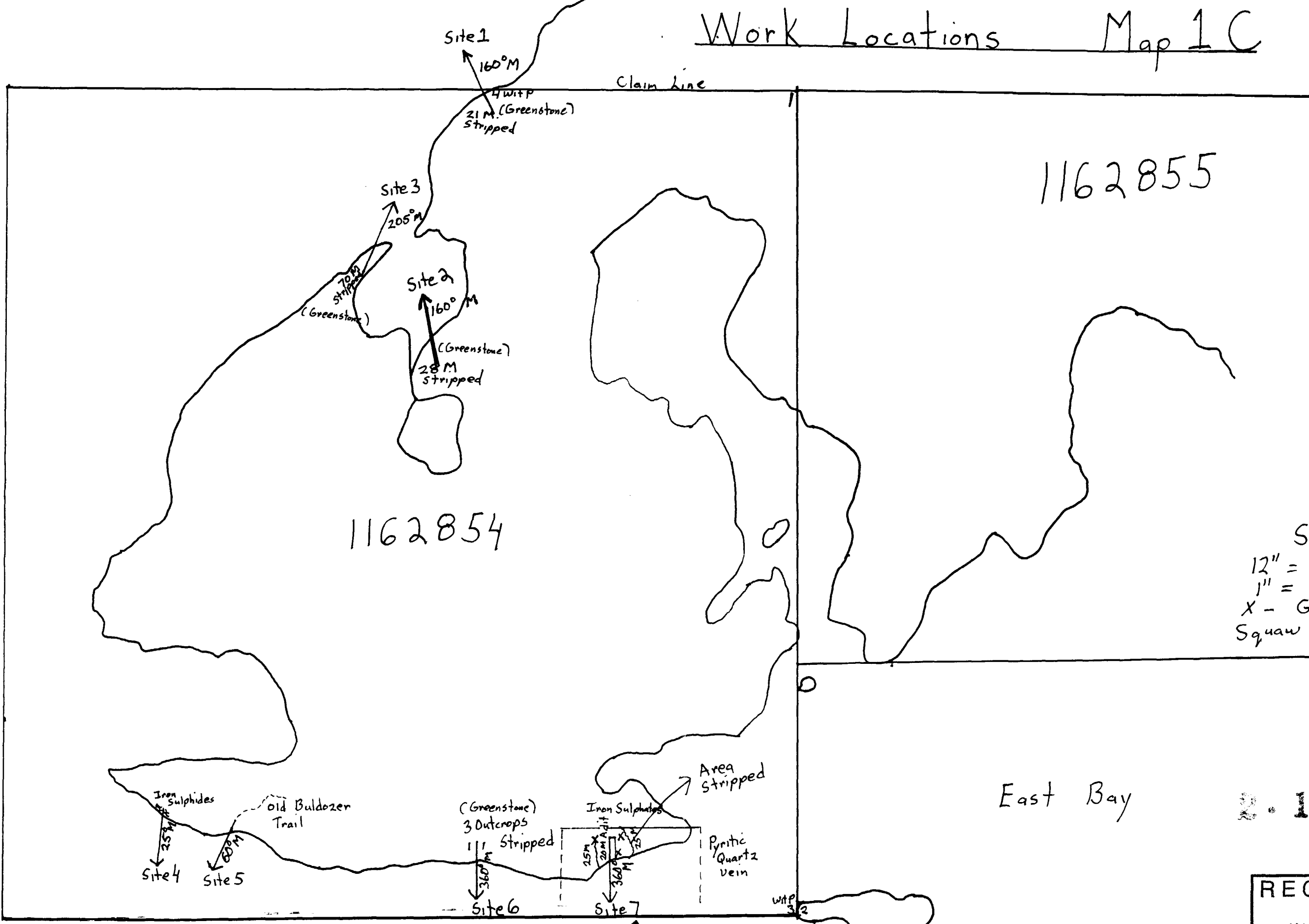
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7056423244

SAMPLE #	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sc	Sn	Sr	Ti	V	W	Y	Zn	Zr
	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
IRON DUKE-001-96	< 1	0.01	60	< 10	< 1	< 1	< 5	0.03	< 1	36	460	7	23	0.11	430	2<0.01	31	44	14	< 5	< 1	< 10	2	43	21	< 10	< 1	20	2	
IRON DUKE-002-96	< 1	0.01	70	< 10	< 1	< 1	< 5	0.04	< 1	34	570	3	8.5	0.10	450	< 2<0.01	22	40	5	< 5	< 1	< 10	3	50	16	< 10	< 1	12	4	
IRON DUKE-003-96	< 1	0.01	85	< 10	< 1	< 1	< 5	0.23	< 1	33	440	5	20	0.28	1300	6<0.01	24	120	16	< 5	1	< 10	12	62	23	< 10	1	34	6	

Work Locations Map 1C



North

Scale:
 12" = 1 mile
 1" = 440'
 X - Grab samples taken
 Squaw Lake Map 3140

East Bay

2-16911

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Sturgeon Lake

Note Area shown not to scale, for exact dimension's and nature of rocks see report

Report of Work Conducted After Recording Claim

Transaction Number
W9630.00082

Mining Act

Personal information collected on this form is obtained under the authority of the Mining Act. This information will be used for correspondence. Questions about this collection should be directed to the Provincial Manager, Mining Lands, Ministry of Northern Development and Mines, Fourth Floor, 159 Cedar Street, Sudbury, Ontario, P3E 6A5, telephone (705) 670-7264.

2.16911

- Instructions:
- Plea
 - Refe
 - Rec
 - D. A. pe
 - U. Tech
 - 00. A. eb
 - M. N.



900

assessment work or consult the Mining Group. If you are a company, this form...

Recorded Holder Equator Mine Corp	Client No. 300107
Address 201-116 Cambie St. Vancouver, B.C. V6B 2M8 <i>1235 Howe Street, Suite 420</i>	Telephone No. 687-6288
Mining Division Patricia	Township/Area Squaw Lake
M or G Plan No. G-3140	
Dates Work Performed From: Oct 18/96	To: Oct 23/96

Work Performed (Check One Work Group Only)

Work Group	Type	
Geotechnical Survey	(W20 - PTRNCH / PSTRIIP / PROSP)	10
Physical Work, Including Drilling	Prospecting, Trenching, Power Pump Stripping	10
Rehabilitation		10
Other Authorized Work		10
Assays	150 lbs of Assays Taken - Assayed for Au, Ag, Zn, and other mult Elements	10
Assignment from Reserve		10
Total Assessment Work Claimed on the Attached Statement of Costs \$ 4075.00		
Total Assessment Work Claimed on the Attached Statement of Costs \$ 13850.00 EB		

Note: The Minister may reject for assessment work credit all or part of the assessment work submitted if the recorded holder cannot verify expenditures claimed in the statement of costs within 30 days of a request for verification.

Persons and Survey Company Who Performed the Work (Give Name and Address of Author of Report)

Name	Address
Edward A. Barkauskas	123 4TH AVE N Sioux Lookout ON P8T1H4
John Perry	P.O. General Delivery Sioux Lookout

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MINING LANDS BRANCH

(attach a schedule if necessary)

Certification of Beneficial Interest * See Note No. 1 on reverse side

I certify that at the time the work was performed, the claims covered in this work report were recorded in the current holder's name or held under a beneficial interest by the current recorded holder.	Date NOV 18/96	Recorded Holder or Agent (Signature) Ed Barkauskas
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Certification of Work Report

I certify that I have a personal knowledge of the facts set forth in this Work report, having performed the work or witnessed same during and/or after its completion and annexed report is true.		
Name and Address of Person Certifying Edward A. Barkauskas, 123, 4th Ave. N. Sioux Lookout, ON P8T 1H4		
Telephone No. 807 737 4460	Date NOV 18/96	Certified By (Signature) Ed Barkauskas

For Office Use Only

Total Value Cr. Recorded \$ 4075	Date Recorded 96NOV20	Mining Recorder W. K. Hemark	Received Stamp NOV 20 11:09 AM 1996 Received
	Date Approved	Date Notice for Amendments Sent	

Work Report Number for Applying Reserve	Claim Number (see Note 2)	Number of Claim Units
1162854	9	
1162855	6	
NOTE: This report is to be filed with the Mining Act of 1970. A copy of this report must accompany the form in California. The work is assigned to that company for the purpose of this report.		

Value of Assessment Work Done on this Claim	Value Applied to this Claim
11075.00	91800.00
3850.00	600.00
Total Value Work Done: 14925.00 Total Value Work Applied: 92400.00	

Value Assigned from this Claim	Reserve: Work to be Claimed at a Future Date
600.00	1675.00
See Note 1	1450.00
Total Assigned From: 600.00 Total Reserve: 3125.00	

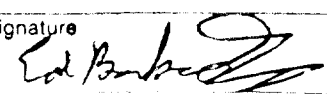
Credits you are claiming in this report may be cut back in order to minimize the adverse effects of such deletions, please indicate from which claims you wish to prioritize the deletion of credits. Please mark (✓) one of the following:

- 1 Credits are to be cut back starting with the claim listed last, working backwards.
- 2 Credits are to be cut back equally over all claims contained in this report of work.
- 3 Credits are to be cut back as provided on the attached appendix.

In the event that you have not specified your choice of priority, option one will be implemented.

Note 1: Examples of beneficial interest are recorded transfers, option agreements, memorandum of agreements, etc., with respect to the mining claims.

Note 2: If work has been performed on patented or leased land, please complete the following:

I certify that the recorded holder had a beneficial interest in the patented or leased land at the time the work was performed.	Signature 	Date NOV 18 / 96
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Personal information collected on this form is obtained under the authority of subsection 6(1) of the Assessment Work Regulation 6/96. Under section 8 of the Mining Act, the information is a public record. This information will be used to review the assessment work and correspond with the mining land holder. Questions about this collection should be directed to the Chief Mining Recorder, Ministry of Northern Development and Mines, 6th Floor, 933 Ramsey Lake Road, Sudbury, Ontario, P3E 6B5.

2.16911

Work Type	Units of Work <small>Depending on the type of work, list the number of hours/days worked, metres of drilling, kilometres of grid line, number of samples, etc.</small>	Cost Per Unit	Total Cost
Trenching and Power Pump Stripping	1 Person X 5 DAYS	150.00/Per Day	750.00
Power Pump Stripping	1 Person X 5 DAYS	200.00/Per Day	1000.00
Samples Taken	150 lbs / Assays (3)	Down Below with Associated Costs	
Prospecting Locations for Stripping	1 DAY, 1 Person	200. / Per DAY	200.00
Associated Costs (e.g. supplies, mobilization and demobilization).			
Wajax Mark III Power Pump Rental	5 DAYS	100.00/Per DAY	500.00
Boat Rental	5 DAYS	75.00/Per DAY	375.00
Chainsaw Rental	5 DAYS	20. / Per Day	100.00
Maps for Assessment work		25.00 /	25.00
Assays + Transportation to Lab.		150.00	150.00
Transportation Costs			
Truck Rental	5 DAYS	75.00/Per DAY	375.00
Fuel for Boat, Powerpump, Truck, chainsaw	5 DAYS	75.00/Per DAY	375.00
Food and Lodging Costs			
Total Value of Assessment Work			43850.00 4075.00

Calculations of Filing Discounts:

- Work filed within two years of performance is claimed at 100% of the above Total Value of Assessment Work.
- If work is filed after two years and up to five years after performance, it can only be claimed at 50% of the Total Value of Assessment Work. If this situation applies to your claims, use the calculation below:

TOTAL VALUE OF ASSESSMENT WORK x 0.50 = Total \$ value of work claimed.

Note:

- Work older than 5 years is not eligible for credit.
- A recorded holder may be required to verify expenditures claimed in this statement of costs within 45 days of a request for verification and/or correction/clarification. If verification and/or correction/clarification is not made, the Minister may reject all or part of the assessment work submitted.

Certification verifying costs:

I, Edward A. Barkauskas, do hereby certify, that the amounts shown are as accurate as may reasonably be determined and the costs were incurred while conducting assessment work on the lands indicated on the accompanying Declaration of Work form as Agent for Equator Mine Corp. I am authorized to make this certification.

Signature: Ed Barkauskas Date: NOV 18/96



March 27, 1997

Sharon Kemash
Mining Recorder
Queen and Fourth
P.O. Box 3000
Sioux Lookout, ON
P8T 1C6

Geoscience Assessment Office
933 Ramsey Lake Road
6th Floor
Sudbury, Ontario
P3E 6B5

Telephone: (705) 670-5853
Fax: (705) 670-5863

Dear Sir or Madam:

Submission Number: 2.16911

Status

Subject: Transaction Number(s): W9630.00082 Approval After Notice

We have reviewed your Assessment Work submission with the above noted Transaction Number(s). The attached summary page(s) indicate the results of the review. **WE RECOMMEND YOU READ THIS SUMMARY FOR THE DETAILS PERTAINING TO YOUR ASSESSMENT WORK.**

If the status for a transaction is a 45 Day Notice, the summary will outline the reasons for the notice, and any steps you can take to remedy deficiencies. The 90-day deemed approval provision, subsection 6(7) of the Assessment Work Regulation, will no longer be in effect for assessment work which has received a 45 Day Notice.

Please note any revisions must be submitted in **DUPLICATE** to the Geoscience Assessment Office, by the response date on the summary.

NOTE: This correspondence may affect the status of your mining lands. Please contact the Mining Recorder to determine the available options and the status of your claims.

If you have any questions regarding this correspondence, please contact Steve Beneteau by e-mail at beneteau_s@torv05.ndm.gov.on.ca or by telephone at (705) 670-5855.

Yours sincerely,

A handwritten signature in black ink, appearing to read "Ron C. Gashinski".

ORIGINAL SIGNED BY
Ron C. Gashinski
Senior Manager, Mining Lands Section
Mines and Minerals Division

Work Report Assessment Results

Submission Number: 2.16911

Date Correspondence Sent: March 27, 1997

Assessor: Steve Beneteau

Transaction Number	First Claim Number	Township(s) / Area(s)	Status	Approval Date
W9630.00082	1162854	SQUAW LAKE	Approval After Notice	March 14, 1997

Section:

10 Physical PTRNCH

10 Physical PSTRIIP

All deficiencies associated with this submission have been corrected. Furthermore, the information received from you dated February 14, 1997 outlining further costs, is acceptable. Accordingly, assessment credit has been approved as outlined on the original Report of Work form.

Correspondence to:

Mining Recorder
Sioux Lookout, ON

Resident Geologist
Sioux Lookout, ON

Assessment Files Library
Sudbury, ON

Recorded Holder(s) and/or Agent(s):

Edward A. Barkauskas
SIOUX LOOKOUT, ONTARIO

EQUATOR MINING CORP.
Vancouver, B.C.

