



42E10NF0102 2.14442 CROLL

010

ASSESSMENT REPORT

M. SWEREDA PROPERTIES.

GERALDTON, ONTARIO

SEPTEMBER 21, 1991



42E16W0102 2.14442 CROLL

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INTRODUCTION:

This report is on behalf of Melvin Swerda for assessment credit on his properties within the Geraldton Beardmore Gold Belt. These properties were surveyed by B. Docherty and G. Royer in August and September, 1991. All the claims are registered under M. Swerda of Geraldton, Ontario, who staked all lands in question. The surveyed properties are located within Ashmore and Croll townships near the town of Geraldton, Ontario and include the following claims: TB1093416, TB1093418, TB1093419, TB1093420, these claims are referred to as the North Ashmore property. The Croll claims include the following: TB1093411, TB1093412, TB1093413, TB1139984, TB1139985, TB1139986, TB1139987, TB1173047, TB1173048, TB1173049, TB1173050. The remaining claims are located in south east Ashmore Township and include the following claims: TB1139988, TB1139989, TB1139990, ~~TB1139991~~, TB1139992, TB1139993, TB1139994, TB1139995, TB1139996, TB1139997, TB1139882, TB1139883.

The surveys included geological mapping of all properties and VLF-EM on all properties except claims TB1139882 and TB1139883 where a ground magnetic survey was conducted. The surveys were performed on chained grids and all work is referenced to a north baseline. Geophysical values were taken at 25 metre intervals with lines at 100 to 200 metre separation depending on the property. Mapping was also done between lines. The instruments used were a Geometrics precession magnetometer and a Geonics EM-16 VLF unit. The transmitter used for the VLF survey was NAA at 24Khz, except on the southern Ashmore claims where NLK at 24.8Khz was used. The change of transmitter was necessary since NAA at Cutler, Maine was off the air due to a hurricane (BOB) on the east coast in August of 1991.

Access to the Croll and South Ashmore claims is via Highway #11 to the Eldee Lake Road. This road divides these two properties. The North Ashmore claims are reached by secondary road north of Geraldton and then by a older road which can be attained by 4 wheel drive vehicle. All posts have been tagged and all grid lines have been blazed.

GEOLOGY: NORTH ASHMORE

Metavolcanic rocks are by far the most abundant on the claim group although universally distributed, they are especially prominent on the northern areas. Most of the outcrops are subdued, no cliffs exist on the property. The majority of the claims are covered by dry muskeg. The main criterion used for dividing the metavolcanics is colour; the second is the presence or absence of amygdules and phenocrysts. Although the latter two components are probably ubiquitous, they are often sufficiently rare to the extent that the rock is virtually aphyric. Colour may not be a very reliable parameter, as it is often due to alteration. Nevertheless, one is able to distinguish between Basalts which vary from dark green to black; Andesites which are medium shades of green and Dacites which are light to medium grey. The rock types are mentioned in order of decreasing abundance. Chlorite alteration is almost pervasive. These chlorite schists are probably derived from volcanics. Epidotization, silicification and carbonatization are of secondary importance whereas Hematite and Sericite occur more locally. Reddish-brown carbonate (Ankerite?) is often quite prominent on external surfaces. The so called "Dacites" may actually be strongly silicified volcanics of intermediate composition. Veining is common but almost never abundant. Quartz and carbonate compose the majority of the veins, though Epidote and Chlorite occur also. Mafic phenocrysts, usually chloritized and epidotized are more numerous in Basalts, while feldspars are dominant within the Andesites. Amygdules which may be up to 1 cm. in diameter are usually infilled by Quartz and Calcite.

The aforementioned rock types can be generally described as "lavas". Tuffaceous beds are found sporadically within these rock types but rarely is Tuff a dominant component. It is finely bedded in layers, up to 1 cm. thick and is usually grey coloured. Where the mafic and intermediate

metavolcanics are strongly sheared and/or foliated they grade into Chlorite Schist. The strike is uniformly east-west and the dip steeply south. All the lithologies on the claims conform to this orientation. The more felsic volcanics grade to a grey somewhat soft Phyllite; it is similar to the Chlorite Schists except for the colour. One single narrow Diabase dyke was mapped on the extreme east edge of the claim group. It is massive, medium grained and trends in a north-south direction.

The sedimentary rocks are restricted to the southern portion of the claim region. The bedding of the sediments is conformable to that of the volcanics. Most of the Greywackes are so fine grained that many of them might be better described as Siltstones. The sediments are frequently intercalated with Slates and in one location are minor lenses of Iron Formation. The mineral Graphite is very common within the sediments. These latter characteristics were noted only at the main trench, near the south edge of the property.

The mineral Pyrite is major sulphide found through out the claim group. It is fairly ubiquitous but occurs in concentrations of less than 1%, although locally it can compose up to 5% of the rock. It is found in disseminated cubes 1-8 mm in diagonal length. Pyrite is much more abundant at the main trench, where it uniformly constitutes 5-20% of the sediments. The trench which measures approximately 15 metres east-west and 3 metres north-south has been drilled and the core did encounter sulphide mineralization. At an approximate distance of 25 metres from the trench is a exposed region where 1-5% Chalcopyrite and traces of Sphalerite are present. Graphite is generally associated with these sulphides. As this region of the property lies at the contact between the sediments and volcanics it is worthy of further consideration.

GEOLOGY: CROLL--SOUTH ASHMORE

Metavolcanic rocks are the most prominent on the claim group. Though generally quite subdued they often form low ridges up to 6 metres higher than the surrounding terrain. The major criteria used for dividing the metavolcanics is colour and/or the presence or absence of amygdules and phenocrysts. Although the latter two components are virtually ubiquitous, they are sufficiently rare to the extent that the rock appears aphyric. Colour may not be very reliable as a identifier, as it is often a product of alteration. Despite these hazards in classification it is possible to distinguish between Basalts, which are dark green to black and Andesites which are lighter shades of green. Mafic phenocrysts (usually chloritized and epidotized) are most common in Basalts, while feldspars dominate the Andesites. Amygdules, which may be up to 5 mm in diameter are infilled by Quartz, Carbonate and Epidote. All the metavolcanics are altered to some extent. Chloritization seems to be the prevalent form of alteration. Locally the volcanics grade to Chlorite Schist with a orientation east-west and a steep north or south dip. Silicification, epidotization and carbonatization are also of major importance, while Limonite is locally developed. Veining is common but only locally abundant. Quartz is the major component of the veins but occasionally contain Tourmaline and Carbonate. Rare veins contain feldspar but these might be narrow apophyses of the porphyry. The veins locally host sulphide mineralization. Rare pillow lava is also present in the region. Dark green fine to medium grained Amphibolites are located on the north portion of the claim group. They are probably a metamorphosed phase of the Gabbro. Hornblende and more rarely Actinolite are the sole phases discernable in hand specimen. The Gabbro is also restricted to the northern section of the property. The Gabbro is generally fine grained to rarely medium grained.

The colour index varies from 30-50 and many of these rocks have a diabasic aspect. They are generally less altered and more massive than the metavolcanics; they are dark grey and occasionally porphyritic. A few rare Lamprophyre dykes with a maximum width of 2 metres were mapped on the Croll claims. These dykes seem to be associated with shear zones. One extremely rare rock type was mapped on the Croll-Ashmore boundary on the northern portion of the property. This unusual rock is a soft sooty black, poorly foliated argillaceous appearing, possible slate?. Granodiorite and porphyry are very common on the east and south sections of the Croll claims. The porphyry is much more widely distributed, with minor amounts found on the Ashmore property. These porphyries generally occur as fairly narrow dykes (1-10 metres), intruding into the volcanics. They are light grey in colour and rarely contain phenocrysts. These characteristics give the porphyry a rhyolitic or quartzitic appearance. Quartz is the most common phenocryst except on the eastern side where feldspar is often predominant. The porphyritic aspect of the rock is much more apparent here with the phaneritic components constituting up to 35% of the rock. Grey to pink, fine to medium grained granodiorite is restricted to the eastern part of Croll township. Its colour index is approximately 15, in which biotite is the chief mafic mineral. This rock type is massive and relatively fresh.

A lot of surface work such as trenching has been accomplished on the Croll claims. This work revealed barren quartz and tourmaline veins, although a little pyrite is commonly found. The occurrence of pyrite is quite universal in the volcanics, though only rarely does it exceed 1% of the rock. It mainly occurs in disseminated cubes (.5-10 mm) and is often common in rusty quartz veins or rarely in epidote veins. Other sulphides are much rarer and have a more restricted distribution. Traces of arsenopyrite were noted in a few locations on the Croll property. Rare stringers of Molybdenite, 1mm wide is noted on both Ashmore and Croll claims.

The latter mineral seems to be restricted to the quartz-feldspar porphyry. Cupriferous minerals are relatively abundant in a stripped off region on the western edge of Croll township. In a zone 1.5 metres wide, Chalcopyrite occurs in blebs up to 2 cm. in diameter, and constitutes up to 5% of the host rock. Associated with Chalcopyrite but in a much lower concentration are the minerals Bornite, Malachite and Azurite. The copper occurs at a shear zone between massive amphibolites and sheared chlorite schist, although the schist maybe a phase of the amphibolite. The shear zone is conformable to the orientation of the schists, that is a east-west strike. Approximately 350 metres south of this stripped area is another outcrop which has recieved much attention. Here a Quartz porphyry, intensely quartz veined is at contact with sheared porphyritic andesite and a narrow lamprophyre dyke. There is little visible mineralization at the surface, even pyrite is less than 1%. The structure encountered here makes this region a viable drilling target.

Fewer trenches were noted on Ashmore and many of these are very shallow and overgrown, although 5% pyrite does occur in one trench. Many of the old trenches are located just west of the property adjacent to the old Roche Long Lac occurrence. This particular region is worthy of more detailed work as, a previous producing mine lies immediately west of it. A major contact exists between volcanics and plutonic rocks and there is a zone of semi-massive copper and apparently visible gold mineralization, on both the southwest Croll and the old Roche Long Lac properties.

GEOPHYSICS:

On the North Ashmore claims the responses are a direct reflection of the diversity of the underlying lithology. In the southern portion of the group between lines 9W, 7+50S and 3W, 8+75S the profiles suggest the presence of a structural feature such as a lithologic contact. Along this contact seems to be the best anomalous feature. Narrowing the target it is noticed that between L6W at stations 5+25S to 6+00S the crossovers indicate the possibility of sulphide mineralization. This idea collaborates well with the observed geology of the region, where anomolous amounts of sulphides ^{are} ~~is~~ directly observable in the rock. The Fraser contours highlight the conductive zones in a more comprehensible manner. The contours indicate that this contact trends northwest and that conductivity is strongest just west of the trench. This region is probably the best location for further work. Another region of interest is the one located between lines 3W to 5W at stations 2+00S. The weak conductor located here suggests a shear zone which may continue westwards out of the property. This region also is worthy of some followup investigation.

The Croll claims indicate no major conductive zones. The profiles are reflective of the underlying geology of the region. Contacts between the Basaltic and Andestic volcanics and the Gabbroic rocks are responsible for the uniform pattern through all the survey lines. There is weak conductive zone between lines 0 and 1E from stations 4+00 to 6+00 N. This region may contain a small shear structure and may contain minor sulphide material. Visible sulphides were noted in the stripped region 100 metres northwest. Further survey work would be advisable from the trench through this zone. Provincially sponsored airborne surveys failed to detect any high conductive zones in this region of Croll Township.

The southern Ashmore claims show several weak conductive zones. The region between lines 2W and 3W at stations 3+00 to 4+00S contain two crossovers, with the one on L2W being the one with the best response. Sulphides were observed in outcrop 100 metres east of this station and thus the response is most likely a result of the continuation of this sulphide bearing rock. This zone, however quickly dissipates westward. A northeast trending structure is located in north western portion of the claim group. This feature is most likely a result of resistivity differences between the Dioritic and volcanic lithologies. The airborne survey referred to earlier does show some weak conductors within the property at the edges of the magnetic high, which corresponds to the Diorite or Gabbro intrusive rock. The only suggestion for further work on these claims would be a ground magnetic survey to complement the present survey, to further define any zones of interest.

The magnetic survey covers two claims, one of which is the site of the Roche Long Lac shaft, where visible gold was noted in previous years (Mason et al 1986). The southwest trending anomalous zone is a reflection of the mafic intrusive which is traceable further eastwards and is observable in places on surface. This unit weakens in amplitude toward the west. The magnetic contours outline this zone quite clearly and indicates that the best location for further investigation would be on line 7+00 W, 150 metres north of the shaft. There is a small anomalous zone around the shaft itself but not of the magnitude of the more northern one.

RECOMMENDATIONS:

From the data acquired from these surveys it is suggested that a ground magnetic survey be conducted throughout all properties. This type of survey would greatly assist in defining more precisely the location of conductive zones. Litho geochemistry, with emphasis on whole rock analysis should be performed to determine if the rock near the outlined shear zones is susceptible to Gold concentration.

Enclosures; 4 geological maps
3 VLF-EM profile maps
1 magnetic profile map
1 magnetic contour map
1 fraser contour map
2 claim maps

BIBLIOGRAPHY

Kresz, D.U. and Zayachivsky, B.

1991: Precambrian geology, northern Long Lake area;
Ontario Geological Survey, Report 273, 77p

Mason, J. and White, G

1986: Gold Occurrences, Prospects, and Deposits of the
Beardmore-Geraldton Area, Districts of Thunder Bay
and Cochrane; Ontario Geological Survey, Open File
Report 5630, 680p., 21 figures, 11 tables, and 1 map
in back pocket.

Ontario Geological Survey

1989: Airborne Electromagnetic and Total Intensity Magnetic
Survey. Tashota-Geraldton-Longlac Area. District of
Thunder Bay by Aerodat Limited for the Ontario Geological
Survey. Geophysical/Geochemical Series Map 81326, 81327
Scale 1:20000. Survey and Compilation, June to December
1988.

CERTIFICATION:

This report and all field work mentioned in report was performed by Guy Royer and Brian Docherty who at the date of this report are employed as Geologists for The Cayuga Syndicate of Winnipeg, Manitoba.

I Guy Royer acquired an advanced B.Sc. in Geology from the University of Saskatchewan. I have been active in this profession since 1979 and have worked within the Geraldton-Beardmore Gold belt for the past two years.

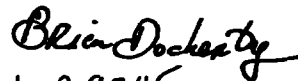
I, Brian Docherty, Geologist/Geophysicist have acquired various degrees ranging from Geology to Electronics. I am a member of Association of Exploration Geochemists as well a member of The Institute of Electronic and Electrical Engineers. I have worked within the Geraldton-Beardmore Gold Belt since 1985 as Exploration Manager for The Cayuga Syndicate.

GUY ROYER



Qual. 2.14350

B. DOCHERTY



Qual. 2.9545
September 21, 1991

EM16 SPECIFICATIONS

MEASURED QUANTITY	In-phase and quad-phase components of vertical magnetic field as a percentage of horizontal primary field. (i.e. tangent of the tilt angle and ellipticity).
SENSITIVITY	In-phase : $\pm 150\%$ Quad-phase : $\pm 40\%$
RESOLUTION	$\pm 1\%$
OUTPUT	Nulling by audio tone. In-phase indication from mechanical inclinometer and quad-phase from a graduated dial.
OPERATING FREQUENCY	15-25 kHz VLF Radio Band. Station selection done by means of plug-in units.
OPERATOR CONTROLS	On/Off switch, battery test push button, station selector switch, audio volume control, quadrature dial, inclinometer.
POWER SUPPLY	6 disposable 'AA' cells.
DIMENSIONS	42 x 14 x 9cm
WEIGHT	Instrument: 1.6 kg Shipping : 4.5 kg



Ministry of
Northern Development
and Mines

Report of Work (After Recording)



42E10N0102 2.14442 CROLL

900

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, 150 Gedar Street, Sudbury, Ontario, P3E 6A5, telephone (705) 670-7284.

2.14442

- Instructions:**
- Please type or print and submit in duplicate.
 - Refer to the Mining Act and Regulations for requirements of filing assessment work or consult the Mining Recorder.
 - A separate copy of this form must be completed for each Work Group.
 - Technical reports and maps must accompany this form in duplicate.
 - A sketch, showing the claims the work is assigned to, must accompany this form.

Recorded Holder(s) MELVIN SWEREDA		Client No. 199458
Address Box 936, GERALDTON, ONT. P0T 1M0		Telephone No. 854-0535
Mining Division THUNDER BAY	Township/Area ASHMORE / CROLL	M or G Plan No. G-472, G-491
Dates Work Performed	From: AUGUST, 1991	To: SEPTEMBER, 1991

Work Performed (Check One Work Group Only)

Work Group	Type
Geotechnical Survey	GEOLOGICAL MAPPING, UF-EM
Physical Work, Including Drilling	RECORDED
Rehabilitation	JAN 28 1992
Other Authorized Work	
Assays	MINING DIVISION
Assignment from Reserve	

Total Assessment Work Claimed on the Attached Statement of Costs \$ **4781.32**

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
BRIAN DOHERTY	563 RIDGE RD. RIDGEWAY, ON. L0S 1M0
Guy Royce	Box 211, ST. LOUIS, SASK. S0T 2C0

(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 Jan 20/92	Recorded Holder or Agent (Signature) M J Swereda
--	--------------------------	--

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 MELVIN SWEREDA, Box 936, GERALDTON, ON		
Telephone No.	Date Jan 20/92	Certified By (Signature) M J Swereda

RECEIVED
 THUNDER BAY
 MINING DIVISION
 22 JAN 92 PM 2 26

For Office Use Only

Total Value Cr. Recorded \$4781.32	Date Recorded Jan 22/92	Mining Recorder [Signature]	Received Stamp
	Deemed Approval Date April 20/92	Date Approved	
	Date Notice for Amendments Sent		

Work Report Number for Applying Reserve	Claim Number (see Note 2)	Number of Claim Units
TB 1139984		1
1139985		1
1139986		1
1139987		1
1173047		1
1173048		1
1173049		1
1173050		1
1139988		1
1139989		1
1139990		1
1139992		1
1139993		1
1139994		1
1139995		1
1139996		1
TB 1139997		1
Total Number of Claims		

Value of Assessment Work Done on this Claim	Value Applied to this Claim
800.00	800.00
800.00	800.00
800.00	800.00
800.00	800.00
201.33	201.33
115.00	115.00
115.00	115.00
115.00	115.00
115.00	115.00
115.00	115.00
115.00	115.00
115.00	115.00
115.00	115.00
115.00	115.00
115.00	115.00
115.00	115.00
115.00	115.00
Total Value Work Done	Total Value Work Applied
	4781.33

Value Assigned from this Claim	Reserve: Work to be Claimed at a Future Date
Total Assigned From	Total Reserve

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:

- Credits are to be cut back starting with the claim listed last, working backwards.
- Credits are to be cut back equally over all claims contained in this report of work.
- Credits are to be cut back as prioritized 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 unrecorded 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
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Ministry of
Northern Development
and Mines

Ontario

Report of Work Conducted After Recording Claim

Mining Act

Transaction Number

W9240-00018

Mining Lead

2.11142

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, 150 Cedar Street, Sudbury, Ontario, P3E 6A5, telephone (705) 670-7264.

- Instructions:**
- Please type or print and submit in duplicate.
 - Refer to the Mining Act and Regulations for requirements of filing assessment work or consult the Mining Recorder.
 - A separate copy of this form must be completed for each Work Group.
 - Technical reports and maps must accompany this form in duplicate.
 - A sketch, showing the claims the work is assigned to, must accompany this form.

Recorded Holder(s) <i>MELVIN SWEREDA</i>		Client No. <i>199458</i>
Address <i>Box 936, GERRARDTON, POB 1MO.</i>		Telephone No. <i>854-0535</i>
Mining Division <i>THUNDER BAY</i>	Township/Area <i>ASHMORE GERARDTON</i>	M or G Plan No. <i>#6472</i>
Dates Work Performed From: <i>AUGUST 1991</i>		To: <i>SEPTEMBER 1991</i>

Work Performed (Check One Work Group Only)

Work Group	Type
<input checked="" type="checkbox"/> Geotechnical Survey	<i>GEOLOGICAL MAPPING, VLF-EM</i>
<input type="checkbox"/> Physical Work, including Drilling	
<input type="checkbox"/> Rehabilitation	
<input type="checkbox"/> Other Authorized Work	
<input type="checkbox"/> Assays	
<input type="checkbox"/> Assignment from Reserve	

Total Assessment Work Claimed on the Attached Statement of Costs \$ *1738.68*

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
<i>BRIAN DOHERTY</i>	<i>563 RIDGE RD. RIDGEWAY, ON. L0S 1N0</i>
<i>GUY ROYER</i>	<i>Box 211, St. Louis, SASK S0J 2C0</i>

(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 <i>Jan 20/92</i>	Recorded Holder or Agent (Signature) <i>M. Swereda</i>
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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 <i>MELVIN SWEREDA Box 936, GERRARDTON, ON.</i>		
Telephone No.	Date <i>Jan 20/92</i>	Certified By (Signature) <i>M. Swereda</i>

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Total Value Cr. Recorded <i>\$1738.68</i>	Date Recorded <i>Jan 22/92</i>	Mining Recorder <i>[Signature]</i>	Received Stamp <i>RECEIVED THUNDER BAY MINING DIVISION JAN 22 PM 2:25</i>
	Delegated Approval Date <i>April 20</i>	Date Approved	
	Date Notice for Amendments Sent		

REGIONAL GEOLOGY

These properties are contained within the Beardmore-Geraldton metavolcanic-metasedimentary Archean assemblage. This arrangement consists of two sedimentary belts separated by a volcanic sequence of mafic massive to pillowed flows. The sediments are epiclastic in nature and are found to be mainly Greywacke in lithology. Chemical sediments in the form of Banded Iron Formation are also located in various sites within the region. These formations are composed of interbedded layers of Magnetite, Jasper, siltstone and greywacke. Intrusive rocks are also located within the belt. These consist of Quartz-Feldspar Porphyritic dikes, mafic to ultramafic varieties and felsic stocks and sills of granitic composition. Airborne surveys indicate north-west striking diabase dikes which intrude all Archean rocks.

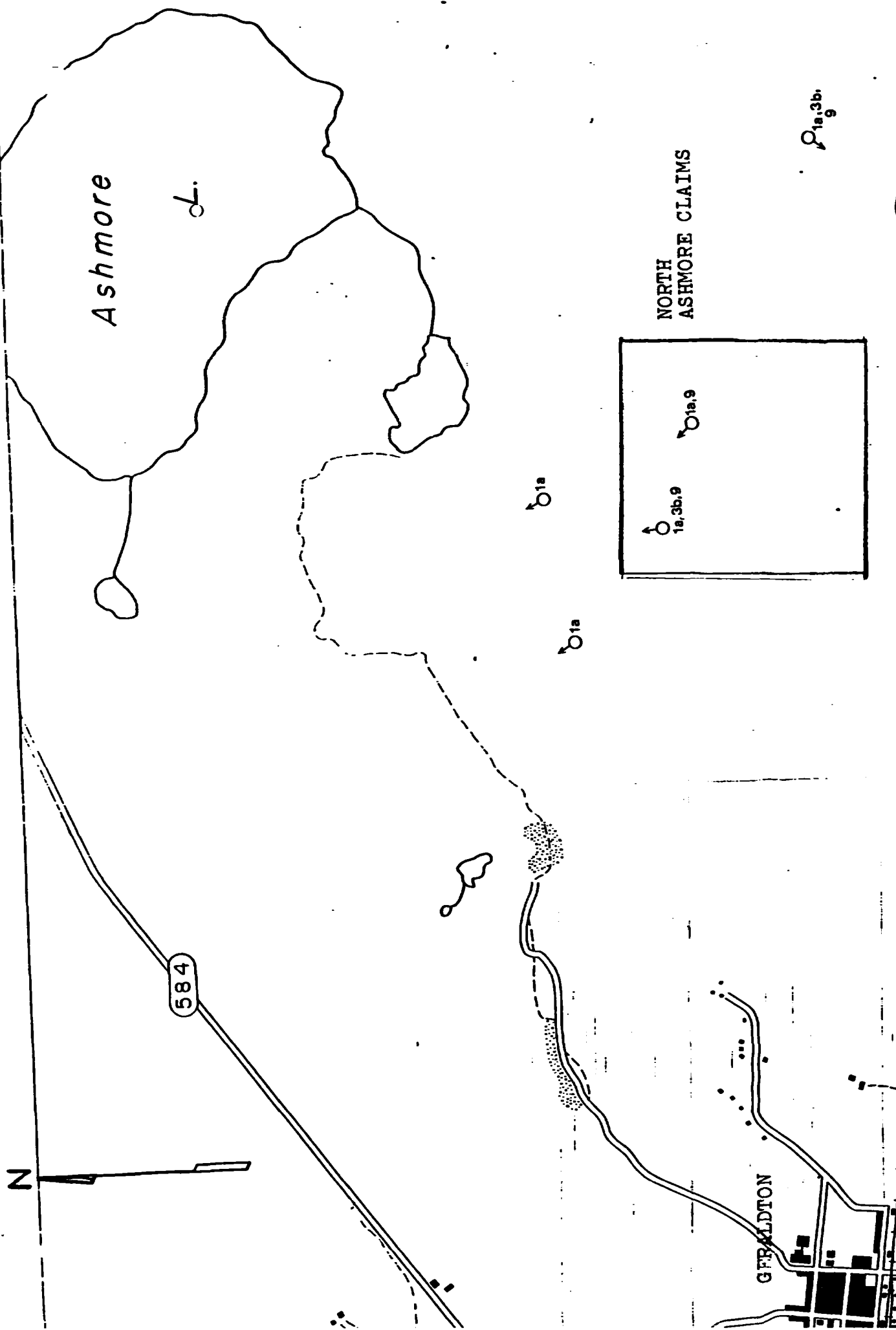
The region also contains several major structural features, such as Tombill, Paint Lake faults and Little Long Lac Syncline. Localized folding is found in Iron Formation and geophysically interpreted shear zones are also common.

The geologically recent material is comprised of sandy to silty till with smaller regions of lacustrine deposits. Muskeg and peat are prevalent throughout the entire belt. Greater detail on soil characteristics of the properties shall be presented, if soil surveys are initiated.

RECEIVED

APR 30 1992

MINING LANDS BRANCH



Location of Claims
 Ashmore Township
 Scale 1: 15840

CANADIAN NATIONAL RAILWAY

NORTH ASHMORE CLAIMS

Ashmore

584

N

GERALDTON

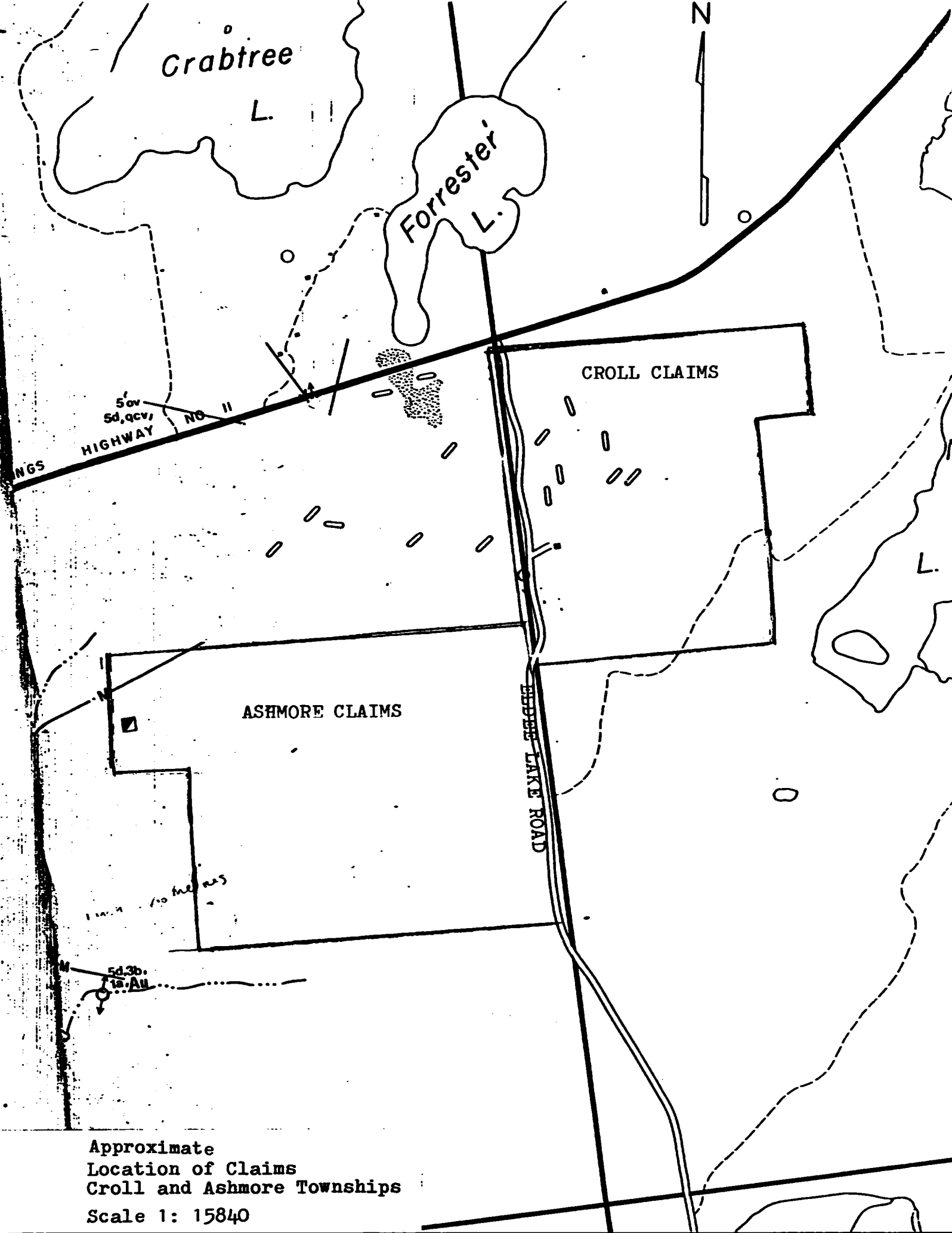
1a,3b,9

101a,9

101a

101a

1a,3b,9



Approximate
 Location of Claims
 Croll and Ashmore Townships
 Scale 1: 15840

RECEIVED

APR 30 1992

MINING LANDS BRANCH

VLF DATA-ASHMORE TOWNSHIP
CLAIMS TB1139988-90, TB1139992-97
TRANSMITTER-NLK-22.8KHz.
DISTANCE SURVEYED-6.52Km.

STATION	5+00W		6+00W	
	Inphase	Outphase	Inphase	Outphase
1+25	9	0	-12	9
1+00N	7	-2	-17	9
0+75	8	0	35	-2
0+50	8	0	57	17
0+25	9	-2	52	10
0+00	2	-3	43	6
0+25	-2	-6	33	4
0+50	-4	-5	20	7
0+75	-16	-11	15	2
1+00S	-36	-19	7	1
1+25	-11	-2	2	1
1+50	20	8	-2	0
1+75	38	19	-6	0
2+00	15	10	-12	-4
2+25	6	6	-18	-6
2+50	2	5	-4	0
2+75	-5	3	21	18
3+00S	-10	-1	4	7
3+25	-14	-4	1	8
3+50	-25	-6	-6	3
3+75	-34	-12	-10	3
4+00	-36	-11	-15	2
4+25	-38	-6	-17	-2
4+50	-19	5	-22	-3
4+75	-12	4	-27	-14
5+00S	-11	6	-18	-4
5+25	5	6	-7	2
5+50	32	14	3	9
5+75	33	18	12	14
6+00	22	21	14	16
6+25	2	8	11	18
6+50	-11	0	14	14
6+75	-4	12	0	5
7+00	-11	5	8	30
7+25	-28	5	-6	22
7+50	-26	7	-18	15
7+75	-17	10	-32	8
8+00	-10	16	-40	4
8+25	-7	17	-52	7
8+50	-11	18	-51	9
8+75	-22	15	-24	12
9+00	-18	15	-2	12
9+25	-18	24	12	7
9+50	-18	22	12	7
9+75	-27	19	12	7
10+00S	-21	18	12	7
10+25	-13	18	12	7

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VLF DATA - ASHMORE ISLAND SHIP.
 CLAIMS - BIG BROTHERS - 20
 TRANSMITTER - NAA - 24KHz.
 DISTANCE SURVEYED - 9.075Km.

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APR 30 1952

LINE	0+00		1+00		2+00		3+00	
	Inphase	Outphase	Inphase	Outphase	Inphase	Outphase	Inphase	Outphase
STATION 0								
0+25	33	-6	18	-2	15	-2	2	0
0+50	23	-14	14	-8	10	-4	-3	0
0+75	-1	-20	8	-7	10	-4	-9	-2
1+00S	11	-6	17	0	3	-2	-14	-2
1+25	33	5	7	-4	3	-2	-21	-4
1+50	15	0	3	-5	2	0	-25	-5
1+75	14	-1	-2	-6	-3	-2	-32	-5
2+00	6	-3	-6	-4	-9	-4	-42	-12
2+25	-2	-6	0	2	-18	-4	-40	-2
2+50	-16	-8	0	0	-6	3	-18	6
2+75	-2	2	-4	1	-3	5	-13	10
3+00S	-26	-5	-12	2	-6	4	-15	10
3+25	-38	-4	-20	0	-9	5	-11	15
3+50	-23	-2	-32	-3	-8	8	-22	14
3+75	-6	1	-29	2	-12	9	-26	14
4+00	30	3	-14	8	-18	9	-42	10
4+25	41	8	-7	10	-20	10	-38	9
4+50	34	10	-9	11	-35	2	-34	12
4+75	45	11	-7	10	-42	4	-25	14
	54	18	-1	10	-33	7	-25	15

5+00S	40	20	4	11	-25	9	-18	15
5+25	26	18	3	10	-21	13	-3	22
5+50	18	12	1	9	-18	12	12	37
5+75	12	16	8	11	-13	18	7	34
6+00	6	15	12	13	-14	17	3	40
6+25	4	12	8	8	-22	15	3	42
6+50	0	12	-2	16	-17	15	-16	32
6+75	-3	15	-9	10	-11	16	-9	32
7+00	-10	16	-6	10	-2	21	-12	32
7+25	-12	14	-15	12	0	25	-16	36
7+50	-14	14	-24	10	-7	23	-22	20
7+75	-20	13	-32	5	-14	18	-16	18
8+00	-20	12	-1	32	-22	16	-18	12
8+25	-23	12	-26	15	-27	12	-17	4
8+50	-10	20	-35	10	-12	19	-16	-3
8+75	-13	20	-42	3	-1	26	-8	-4
9+00S			-50	2	14	32	-4	-10
9+25			-62	-2	8	32		
9+50			-45	2	-2	26		
9+75				-2		32		
10+00				2		26		

11/11/11

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MINING LANDS BRANCH

DISTANCE SURVEYED-6.52Km.

STATION	LINE#	1+00W Inphase	1+00W Outphase	2+00W Inphase	2+00W Outphase	3+00W Inphase	3+00W Outphase	4+00W Inphase	4+00W Outphase
1+25		6	0	12	-11	17	16	-43	14
1+00N		35	-4	20	-14	3	6	-36	18
0+75		33	-4	22	-12	2	1	-32	18
0+50		48	-2	16	-17	2	1	-26	19
0+25		50	-2	25	-15	-9	-1	-14	24
0+00		46	3	12	-16	-18	-7	-16	34
0+25		39	-4	22	-12	-26	-12	-2	30
0+50		15	-10	30	-10	-23	-3	-2	26
0+75		26	-5	20	-3	-26	-3	-13	17
1+00E		14	-13	21	-11	-24	3	6	30
1+25		18	-10	16	-5	-23	6	4	16
1+50		12	-8	14	-7	-18	-1	-1	10
1+75		10	-4	20	-10	-4	0	-6	8
2+00		13	1	-10	0	6	-1	-3	6
2+25		9	0	-7	-5	14	-1	2	5
2+50		2	2	-10	-4	22	-6	4	7
2+75		3	2	-17	0	32	-2	-1	9
3+00E		10	6	-24	-4	36	3	-7	8
3+25		0	3	-26	-4	36	5	-7	8
3+50		-10	-1	-32	-7	38	8	-16	8
3+75		4	-4	-34	-10	32	12	-28	2
4+00		-2	-2	-36	-7	18	8	-31	2
4+25		-5	-3	-40	-3	18	8	-17	2
4+50		2	1	-14	4	16	8	-7	0
4+75		4	2	-8	2	12	7	-1	-4
5+00E		6	-1	-22	0	5	7	4	5
5+25		7	3	-15	5	3	8	15	8
5+50		8	4	-17	7	2	6	19	12
5+75		13	6	-10	8	-6	5	39	14
6+00		9	6	-3	9	-6	6	24	-6
6+25		8	15	10	10	-10	6	-15	-4
6+50		-7	18	8	9	-22	4	-42	-20
6+75		-8	10	166	18	-6	2	-16	-14
7+00		-5	10	12	17	14	16	-8	-9
7+25		-16	6	-4	18	22	20	-4	-5
7+50		-4	10	-11	12	12	24	2	-6
7+75		-3	12	-2	18	11	26	6	-3
8+00		-2	10	-6	25	5	24	7	0
8+25		-4	8	-22	18	4	17	4	-1
8+50		-5	8	-16	20	-11	20	4	-2
8+75		-7	12	-4	12	-25	12	12	1
9+00		-4	10	-11	11	-21	24	4	1
9+25		-15	11	-10	9	-33	16	12	1
9+50		-16	10	-16	10	-39	12	4	1
9+75		-23	10	-23	10	-43	4	12	1
10+00E		-26	5	-26	5	-46	0	12	1
10+25		-26	8	-26	8				
10+50		-21	9	-21	9				
10+75		-17	10	-17	10				
11+00		-28	6	-28	6				
11+25		-25	8	-25	8				
11+50		-8	11	-8	11				
11+75		-2	16	-2	16				

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MINING LANDS BRANCH

VLF DATA--CROLL TOWNSHIP
CLAIMS-TB1093411-13,
TRANSMITTER-NAO-24Khz.
DISTANCE SURVEYED-11.0Km.

TB1139984-87, TB1173047-50

STATION	LINE#	0+00 Inphase	0+00 Outphase	1+00 Inphase	1+00 Outphase	2+00W Inphase	2+00W Outphase	3+00W Inphase	3+00W Outphase
10+00N									
9+75				6	-6				
9+50				22	-6				
9+25				24	-5				
9+00				17	-3				
8+75				17	-2				
8+50		46	-21	7	-3				
8+25		30	-16	6	-4				
8+00		18	-12	23	0				
7+75		18	-6	27	0				
7+50		15	-6	17	-4				
7+25		20	-4	8	-6				
7+00		18	-5	5	-4				
6+75		16	-3	13	4				
6+50		16	-2	11	5				
6+25		36	9	3	3				
6+00N		32	14	1	3				
5+75		16	8	-3	0				
5+50		11	5	-15	-7				
5+25		1	4	-36	-13				
5+00		-3	2	-33	-8				
4+75		-4	0	-3	-3				
4+50		-11	2	11	-3				
4+25		-15	-1	17	-4				
4+00N				24	-3				
3+75				24	-3				
3+50				22	-6				
3+25				16	-6				
3+00				15	-8				
				13	-7				
						23	-13	63	-14
						6	-10	25	13
						-6	-10	14	-10
						-7	-7	7	-10
						2	-4	-3	-10
						-6	-6	-11	-14
						-5	-5	-14	-15
						-7	-7	-15	-12
						-6	-6	1	-8
						-8	-8	16	-4
						8	-4	17	-5
						-8	-4	20	-3
						4	-2	15	-5
						11	-2	15	-6
						16	-2	14	-8
						14	-1	11	-8
						10	0	11	-1
						3	-5	10	-7
						-3	-9	4	-8
						-5	-12	-2	-8
						-9	-10	8	-8
						11	-5	12	-4
						24	-2	35	2
						15	-8	26	-2
						13	-7	12	-4

2+00N	2	-1	2	-12	2	22	-3	10	-7	9
2+25	1	2	-8	-8	21	21	-4	6	-7	2
1+75	1	-3	-10	-8	16	16	-5	3	-10	2
1+50	1	-6	-12	-10	15	15	-8	3	-10	2
1+00	1	-7	-9	-12	13	13	-7	-1	-10	2
0+75	1	-10	-10	-10	11	11	-10	-1	-9	2
0+50	1	-19	-12	-12	7	7	-6	-4	-8	2
0+25	1	-14	-15	-12	2	2	-8	-7	-9	2
0+00	1	-28	-12	-12	0	0	-9	-9	-10	2
0+25	22	-37	-12	-12	2	2	-7	-13	-10	2
0+50	13	-22	-7	-7	-5	-5	-7	-14	-10	2
0+75	9	-6	-2	-2	-8	-8	-9	-2	-10	2
1+008	9	-9	2	2	-10	-10	-11	-4	-1	2

1+25	5	-10	4	4	-9	-8	-2	0	0
1+50	9	-6	5	5	-15	-14	-7	2	2
1+75	15	-2	12	12	-20	-19	-10	-2	2
2+00	7	-4	10	10	-23	-22	-7	-2	2
2+25	15	-6	13	13	-1	-1	-10	-2	2
2+50	15	4	15	15	-4	-3	-9	-1	2
2+75	8	0	13	13	-12	-11	-12	-2	2
3+008	-2	-2	5	5	-2	-1	-13	-1	2
3+25	-3	0	2	2	-7	-6	-12	-1	2
3+50	-3	-2	2	2	8	10	-12	0	2
3+75	6	-2	2	2	15	14	-12	-2	2
4+00	-6	-2	2	2	5	4	-12	-1	2
4+25	-4	0	2	2	-2	-3	-18	-2	2
4+50	13	4	2	2	-3	3	-8	1	2
4+75	9	4	2	2	-6	-6	-12	1	2
5+008	1	3	2	2	-8	-8	-3	4	2
5+25	-3	1	2	2	-10	-10	0	6	2
5+50	4	4	-1	-1	-11	-11	-6	3	2
5+75	4	5	4	4	-14	-12	-11	-1	2
6+00	2	4	2	2	-14	-12	-16	-2	2
6+25	2	6	0	0	-12	-15	-16	-1	2
6+50	0	5	2	2	-15	-13	-20	1	2
6+75	-2	6	2	2	-5	-6	-15	1	2
7+00	-4	4	5	5	-6	-5	-17	0	2
7+25	-4	5	4	4	-3	-2	-17	0	2
7+50	-3	8	4	4	0	1	-28	-1	2
7+75	-3	9	4	4	0	0	-17	0	2
8+00	-5	7	4	4	11	11	-17	2	2
8+25	-9	8	4	4	0	1	-17	0	2
8+50	-8	9	2	2	5	5	-5	0	2
8+75	-8	8	-2	-2	7	7	-9	0	2
9+008	-11	8	-2	-2	7	7	-15	-4	2
9+25	-14	8	1	1	2	2	-2	-2	2
9+50	-14	8	1	1	2	2	-2	1	2
9+75	-16	7	1	1	2	2	-2	1	2
10+00	1	7	1	1	2	2	-2	1	2
10+25	1	7	1	1	2	2	-2	1	2
10+50	1	7	1	1	2	2	-2	1	2
10+75	1	7	1	1	2	2	-2	1	2
11+008	1	7	1	1	2	2	-2	1	2

1+25	5	-10	4	4	-9	-8	-2	0	0
1+50	9	-6	5	5	-15	-14	-7	2	2
1+75	15	-2	12	12	-20	-19	-10	-2	2
2+00	7	-4	10	10	-23	-22	-7	-2	2
2+25	15	-6	13	13	-1	-1	-10	-2	2
2+50	15	4	15	15	-4	-3	-9	-1	2
2+75	8	0	13	13	-12	-11	-12	-2	2
3+008	-2	-2	5	5	-2	-1	-13	-1	2
3+25	-3	0	2	2	-7	-6	-12	-1	2
3+50	-3	-2	2	2	8	10	-12	0	2
3+75	6	-2	2	2	15	14	-12	-2	2
4+00	-6	-2	2	2	5	4	-12	-1	2
4+25	-4	0	2	2	-2	-3	-18	-2	2
4+50	13	4	2	2	-3	3	-8	1	2
4+75	9	4	2	2	-6	-6	-12	1	2
5+008	1	3	2	2	-8	-8	-3	4	2
5+25	-3	1	2	2	-10	-10	0	6	2
5+50	4	4	-1	-1	-11	-11	-6	3	2
5+75	4	5	4	4	-14	-12	-11	-1	2
6+00	2	4	2	2	-14	-12	-16	-2	2
6+25	2	6	0	0	-12	-15	-16	-1	2
6+50	0	5	2	2	-15	-13	-20	1	2
6+75	-2	6	2	2	-5	-6	-15	1	2
7+00	-4	4	5	5	-6	-5	-17	0	2
7+25	-4	5	4	4	-3	-2	-17	0	2
7+50	-3	8	4	4	0	1	-28	-1	2
7+75	-3	9	4	4	0	0	-17	0	2
8+00	-5	7	4	4	11	11	-17	2	2
8+25	-9	8	4	4	0	1	-17	0	2
8+50	-8	9	2	2	5	5	-5	0	2
8+75	-8	8	-2	-2	7	7	-9	0	2
9+008	-11	8	-2	-2	7	7	-15	-4	2
9+25	-14	8	1	1	2	2	-2	-2	2
9+50	-14	8	1	1	2	2	-2	1	2
9+75	-16	7	1	1	2	2	-2	1	2
10+00	1	7	1	1	2	2	-2	1	2
10+25	1	7	1	1	2	2	-2	1	2
10+50	1	7	1	1	2	2	-2	1	2
10+75	1	7	1	1	2	2	-2	1	2
11+008	1	7	1	1	2	2	-2	1	2

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MINING LANDS BRANCH

CLAIMS-TB1093411-13,
TRANSMITTER-NAA-24Khz,
DISTANCE SURVEYED-11.0km.

TB1139984-87, TB1173047-50

STATION	4+00E		5+00E		6+00E	
	Inphase	Outphase	Inphase	Outphase	Inphase	Outphase
10+00N						
9+75			5	-12		
9+50	59	-20	6	-8		
9+25	37	-13	11	-8		
9+00	26	-12	0	-10		
8+75	20	-12	-1	-9		
8+50	12	-12	3	-10		
8+25	20	-12	2	-10		
8+00	12	-12	-11	-12		-13
7+75	5	-10	-20	-14		-6
7+50	-2	-11	-8	-10		-9
7+25	-8	-12	6	-10		-12
7+00	-11	-10	4	-9		-9
6+75	-8	-10	4	-11		-2
6+50	-13	-8	0	-12		-5
6+25	8	-8	-14	-12		-12
6+00N	12	-6	-3	-12		-10
5+75	12	-7	7	-10		-8
5+50	7	-10	22	-10		-9
5+25	-10	-16	39	-6		-8
5+00	-2	-9	41	-6		-6
4+75	9	-10	50	-4		-8
4+50	16	-9	47	-4		-12
4+25	18	-10	24	-10		-14
4+00N	20	-12	31	-8		-16
3+75	20	-9	28	-8		-14
3+50	24	-6	21	-12		-15
3+25	31	-2	17	-12		-14
3+00	30	-5	7	-16		-18
2+75	27	-2	15	-11		-11
2+50	23	-4	10	-12		-12
2+25	20	-6	12	-10		-15
2+00N	10	-11	11	-10		-10
1+75	12	-9	6	-12		-4
1+50	4	-11	0	-11		-6
1+25	10	-10	-2	-12		-9
1+00	4	-12	-3	-10		-7
0+75	0	-10	-6	-11		-5
0+50	2	-10	-3	-10		-6
0+25	-2	-13	-3	-6		-8
0+00	0	-9	-7	-7		-8
0+25	0	-7	-11	-9		-5
0+50	4	-10	-19	-11		-8

1+008	-12	11
1+25	-11	8
1+50	-10	8
1+75	-10	4
2+00	1	1
2+25	10	8
2+50	3	2
2+75	6	2
3+008	9	0
3+25	10	0
3+50	10	0
3+75	11	7
4+00	18	2
4+25	15	2
4+50	11	2
4+75	3	6
5+008	12	2
5+25	15	1
5+50	2	6
5+75	10	4
6+00	12	4
6+25	10	3
6+50	5	6
6+75	6	8
7+00	20	3
7+25	18	4
7+50	18	4
7+75	11	6
8+00	6	5
8+25	0	7
8+50	1	8
8+75	3	4
9+008	3	0
9+25	7	1
9+50	3	1
9+75	6	1
10+00	8	1
10+25	8	2
10+50	13	3
10+75	8	4
11+008	3	2

OUR NUMBER

82060

DATE

OCTOBER 7/91

CUSTOMER'S ORDER

SALESMAN

Brin Daley

TERMS

F. O. B.

SOLD TO

MEL SWERDA

SHIPPED TO

ADDRESS

VIA

INVOICE

*GEOLOGICAL AND GEOPHYSICAL
SURVEYS on Crall and
Ashmore Mining Claims*

6520,00

Paid in full

2.14442

July/90 D-4. Stripping 30hrs @ 40/hr = 1200.00

July/90 14 hrs at \$75 D6 = 1050.00

July/90 Backhoe 12hrs @ 30. Pt. hr. 360.00

August/90 5 days washing rock = 500.00

Assaup 60.00

Gas, fuel 300.00

\$ 3470.00

May/91 5 days drilling, blasting, prospecting

2 men @ 200 per day 5 days 1000.00

4470.00

2.14442



Ontario

Ministry of
Northern Development
and Mines

Ministère du
Développement du Nord
et des Mines

Geoscience Approvals Section
Mining Lands Branch
159 Cedar Street, 4th Floor
Sudbury, Ontario
P3E 6A5

Telephone: (705) 670-7264
Fax: (705) 670-7262

Our File: 2.14442
Transaction #: W9240.00017
W9240.00018

May 12, 1992

Mining Recorder
Ministry of Northern Development
and Mines
435 James Street South
P. O. Box 5000
Thunder Bay, Ontario
P7C 5G6

Dear Sir:

**RE: APPROVAL OF ASSESSMENT WORK ON MINING CLAIMS TB 1139984 ET AL. IN
ASHMORE AND CROLL TOWNSHIPS.**

The Assessment Credits for Geology and Geophysics, sections 12 and 14 of the Mining Act Regulations, have been approved as of May 8, 1992.

The Assessment Credits for Report of Work W9240.00018 are as per the original submission. The Credits for W9140.00017 are as listed on the attached Assessment Work Credit Form.

If you have any questions please call Clive Stephenson at (705) 670-7251.

Yours sincerely,

Ron C. Gashinski
Senior Manager, Mining Lands Branch
Mines and Minerals Division

CDM
CDS/jl

Enclosures:

cc: Resident Geologist
Thunder Bay, Ontario.

Assessment Files Office
Toronto, Ontario.

ASSESSMENT WORK CREDIT FORM

FILE NUMBER: 2.14442

DATE: May 12, 1992

TRANSACTION NUMBER: W9240.00017

RECORDED HOLDER: Melvin Swereda

CLIENT NUMBER: 199458

TOWNSHIP: Ashmore and Croll.

CLAIM NUMBER	VALUE OF ASSESSMENT WORK DONE ON THIS CLAIM	VALUE APPLIED TO THIS CLAIM	VALUE ASSIGNED FROM THIS CLAIM
TB1139984	\$ 240.00	\$ 800.00	\$ 0.00
TB1139985	\$ 240.00	\$ 800.00	\$ 0.00
TB1139986	\$ 239.00	\$ 800.00	\$ 0.00
TB1139987	\$ 239.00	\$ 800.00	\$ 0.00
TB1173047	\$ 239.00	\$ 202.00	\$ 37.00
TB1173048	\$ 239.00	\$ 115.00	\$ 124.00
TB1173049	\$ 239.00	\$ 115.00	\$ 124.00
TB1173050	\$ 239.00	\$ 115.00	\$ 124.00
TB1139988	\$ 239.00	\$ 115.00	\$ 124.00
TB1139989	\$ 239.00	\$ 115.00	\$ 124.00
TB1139990	\$ 239.00	\$ 115.00	\$ 124.00
TB1139992	\$ 239.00	\$ 115.00	\$ 124.00
TB1139993	\$ 239.00	\$ 115.00	\$ 124.00
TB1139994	\$ 239.00	\$ 115.00	\$ 124.00
TB1139995	\$ 239.00	\$ 115.00	\$ 124.00
TB1139996	\$ 239.00	\$ 115.00	\$ 124.00
TB1139997	\$ 239.00	\$ 115.00	\$ 124.00
TB1093411	\$ 239.00	\$ 0.00	\$ 239.00
TB1093412	\$ 239.00	\$ 0.00	\$ 239.00
TB1093413	\$ <u>239.00</u>	\$ <u>0.00</u>	\$ <u>239.00</u>
TOTALS:	\$ 4782.00	\$ 4782.00	\$ 2242.00



**Ministry of
Northern Development
and Mines**

**Ministère du
Développement du Nord
et des Mines**

**Geoscience Approvals Section
Mining Lands Branch
159 Cedar Street, 4th Floor
Sudbury, Ontario
P3E 6A5**

**Telephone: (705) 670-7264
Fax: (705) 670-7262**

**Our File: 2.14442
Transaction #: W9240.00017
W9240.00018**

May 12, 1992

**Mr. Melvin Swereda
Box 936
Geraldton, Ontario
P0T 1M0**

Dear Sir:

**RE: APPROVAL OF ASSESSMENT WORK ON MINING CLAIMS TB 1139984 ET AL. IN
ASHMORE AND CROLL TOWNSHIPS.**

**The Assessment Credits for Geology and Geophysics, sections 12 and 14
of the Mining Act Regulations, have been approved as of May 8, 1992.**

**The Assessment Credits for Report of Work W9240.00017 are as per the
original submission. The Credits for W9140.00018 are as listed on the
attached Assessment Work credit Form.**

**You did not revise the totals for, "work done on the claims", as per
the request in the Notice of Deficiency. I have therefore used the
assumption that all work was even on all the claims. Work was also
done on TB 1093411 to 413 incl., but was not listed on the form. The
form has been revised accordingly. These changes do not affect the
application of credits to the claims.**

**With future submissions it is required that a Statement of Costs Form
be submitted, an example of which is enclosed for your information.**

**Please find enclosed maps etc that were not required for this
submission.**

.../2

May 12, 1992
Mr. Melvin Swereda

If you have any questions please call Clive Stephenson at (705)
670-7251.

Yours sincerely,



Ron C. Gashinski
Senior Manager, Mining Lands Branch
Mines and Minerals Division

CDS
CDS/jl
Enclosures:

NOTES

... of the ...
 ... showing the ...
 ... within the ...
 ... of the Mining ...
 ... 1534

ATLAS WITHDRAWN FROM DISPOSITION

S.R. - SURFACE RIGHTS M.R. - MINING RIGHTS

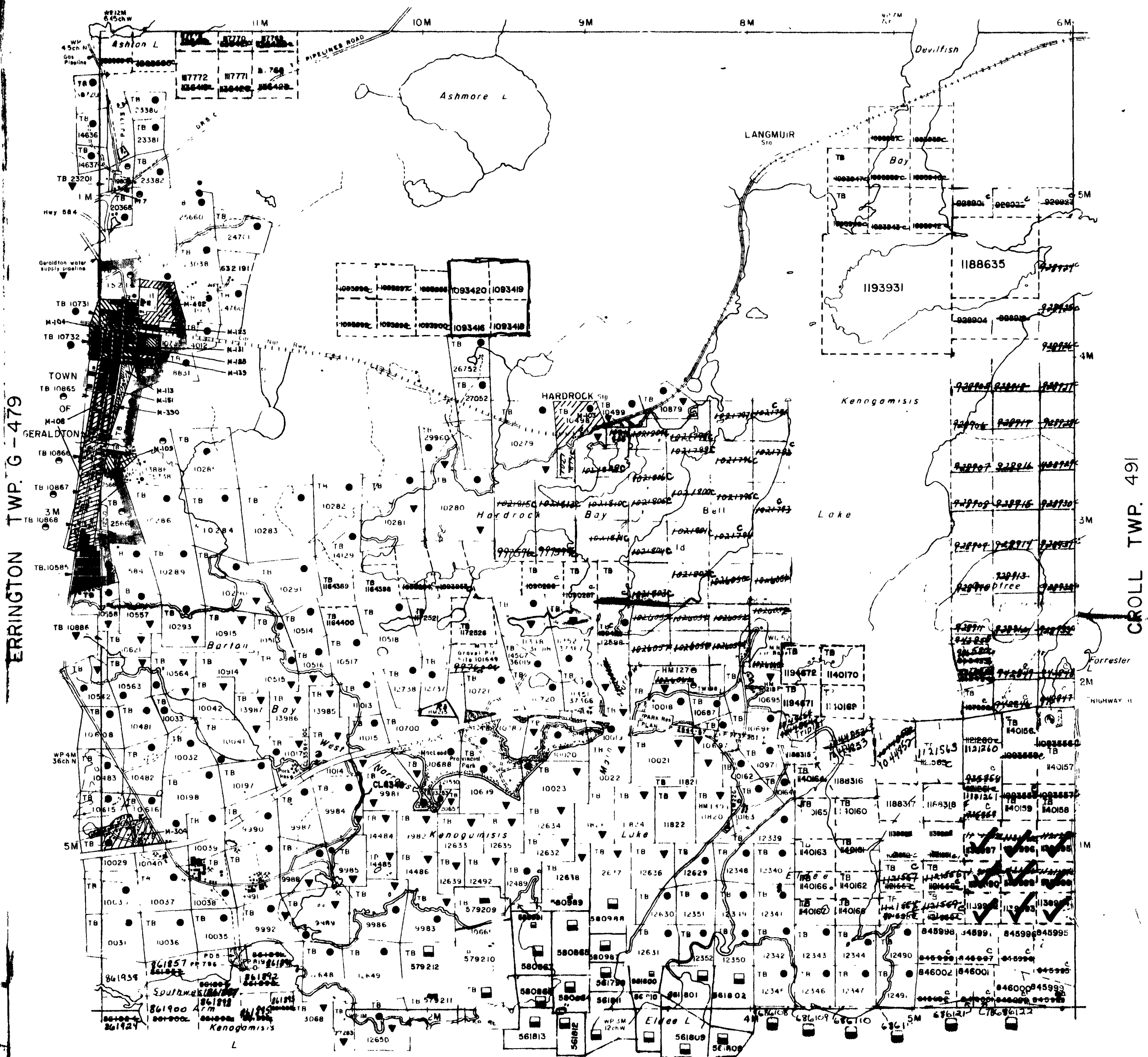
Disposition	Order No.	Date	Disposition	File
	W50/73	5/1/81	S.R. & M.R.	9479

Sec 42 of Min Act
 16.19.81
 S.R.O. 160704
 28.0 see sketch
 Linnell

(2)

THE INFORMATION THAT APPEARS ON THIS MAP HAS BEEN COMPILED FROM VARIOUS SOURCES, AND ACCURACY IS NOT GUARANTEED. THOSE WISHING TO STAKE MINING CLAIMS SHOULD CONSULT WITH THE MINING RECORDER, MINISTRY OF NORTHERN DEVELOPMENT AND MINES, FOR ADDITIONAL INFORMATION ON THE STATUS OF THE LANDS SHOWN HEREON.

McQUESTON TWP. 189



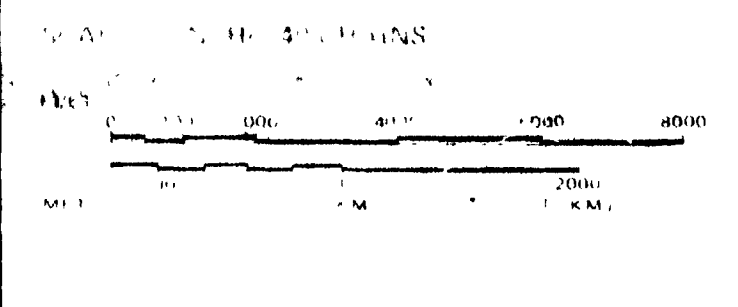
LEGEND

- HIGHWAY AND ROUTE
- OTHER ROAD
- TRAILS
- SURVEYED LINES
- TOWNSHIP BASE LINES, ETC
- LOTS, MINING CLAIMS, PARCELS, ETC
- UNSURVEYED LINES
- LOT LINES
- PARCEL BOUNDARY
- MINING CLAIMS ETC
- RAILWAY AND RIGHT OF WAY
- UTILITY LINES
- NON-PERENNIAL STREAM
- FLOODING OR FLOODING RIGHTS
- SUBDIVISION OR COMPOSITE PLAN
- RESERVATIONS
- ORIGINAL SHORELINE
- MARSH OR MUSKEG
- MINES
- TRANSVERSE MONUMENT

DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	●
" SURFACE RIGHTS ONLY	○
" MINING RIGHTS ONLY	◐
LEASE SURFACE & MINING RIGHTS	■
" SURFACE RIGHTS ONLY	◼
" MINING RIGHTS ONLY	◻
LICENCE OF OCCUPATION	▼
ORDER IN COUNCIL	OC
RESERVATION	⊙
CANCELLED	⊗
SAND & GRAVEL	⊕

LAND USE PERMITS FOR COMMERCIAL TOWN/OUTPORT CAMPS
 NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 1913, VESTED IN ORIGINAL PATENTEE BY THE PUBLIC LANDS ACT R.S.O. 1970 CHAP. 390, SEC. 63 SUBSEC. 1



TOWNSHIP

ASHMORE

M.N.R. ADMINISTRATIVE DISTRICT

GERALDTON

MINING DIVISION

THUNDER BAY

LAND TITLES / REGISTRY DIVISION

THUNDER BAY

Ontario Ministry of Natural Resources Land Management Branch

Date: SEPTEMBER 1981
 Number: G-472



42E10N0182 2.14442 CROLL

**GEOLOGY
ASHMORE TWP.**

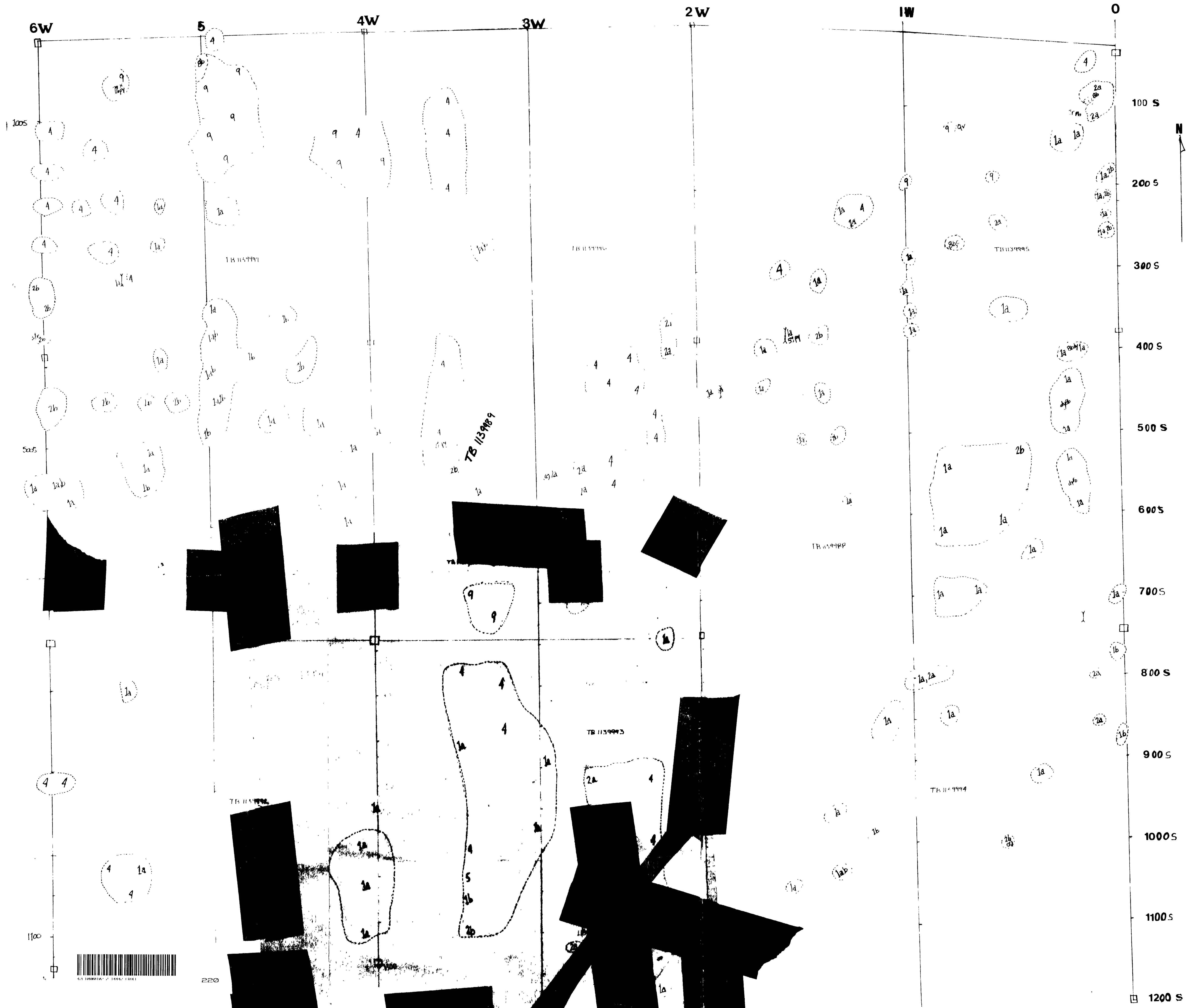
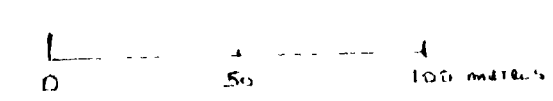
2. 1 4442

LEGEND

- 1a** APHYRIC BASALT
- 1b** PORPHYRIC / AMYGDALOID BASALT
- 2a** APHYRIC ANDESITE
- 2b** PORPHYRIC / AMYGDALOID ANDESITE
- 4** AMPHIBOLITE
- 5** CHLORITE SCHIST
- 6** SLATE (RARE)
- 8a** QUARTZ PORPHYRY
- 8b** QUARTZ FELDSPAR PORPHYRY
- 8c** GRANODIORITE
- 9** DIORITE or GABBRO

- (s)** - STRONGLY SILICIFIED
- (e)** - STRONGLY EPIDOTIZED
- Qv** - QUARTZ VEINS
- L** - LAMPORPHIRE DYKE
- d** - DYKE
- tr** - TRENCH
- str** - STRIPPED
- aspy** - ANDERSBYRITE
- mo** - MOYRBYRITE
- cpy** - CHALCOBYRITE
- ><** - TRENCH
- - POSSIBLY IN ROCK OUTCROP
- - CLAIM POST

**SCALE 1:2000
MAPPED BY G ROYER
AUGUST / 91**



LEGEND

- 1a - APHYRIC BASALT
- 1b - PORPHYRITIC AMYGDALOIDAL BASALT
- 2a - APHYRIC ANDESITE
- 2b - PORPHYRITIC ANDESITE
- 3a - APHYRIC DACITE
- 3b - PORPHYRITIC DACITE
- 3c - PHYLLITIC METADACITE
- 4 - TUFF
- 5 - CHLORITE SCHIST
- 6 - DIABASE
- 7 - GREYWACKE

□ CLAIM POST

--- TRAIL

○ OUTCROP

↖ STRIKE & DIP

↘ TRENCH

(c) CARBONATE

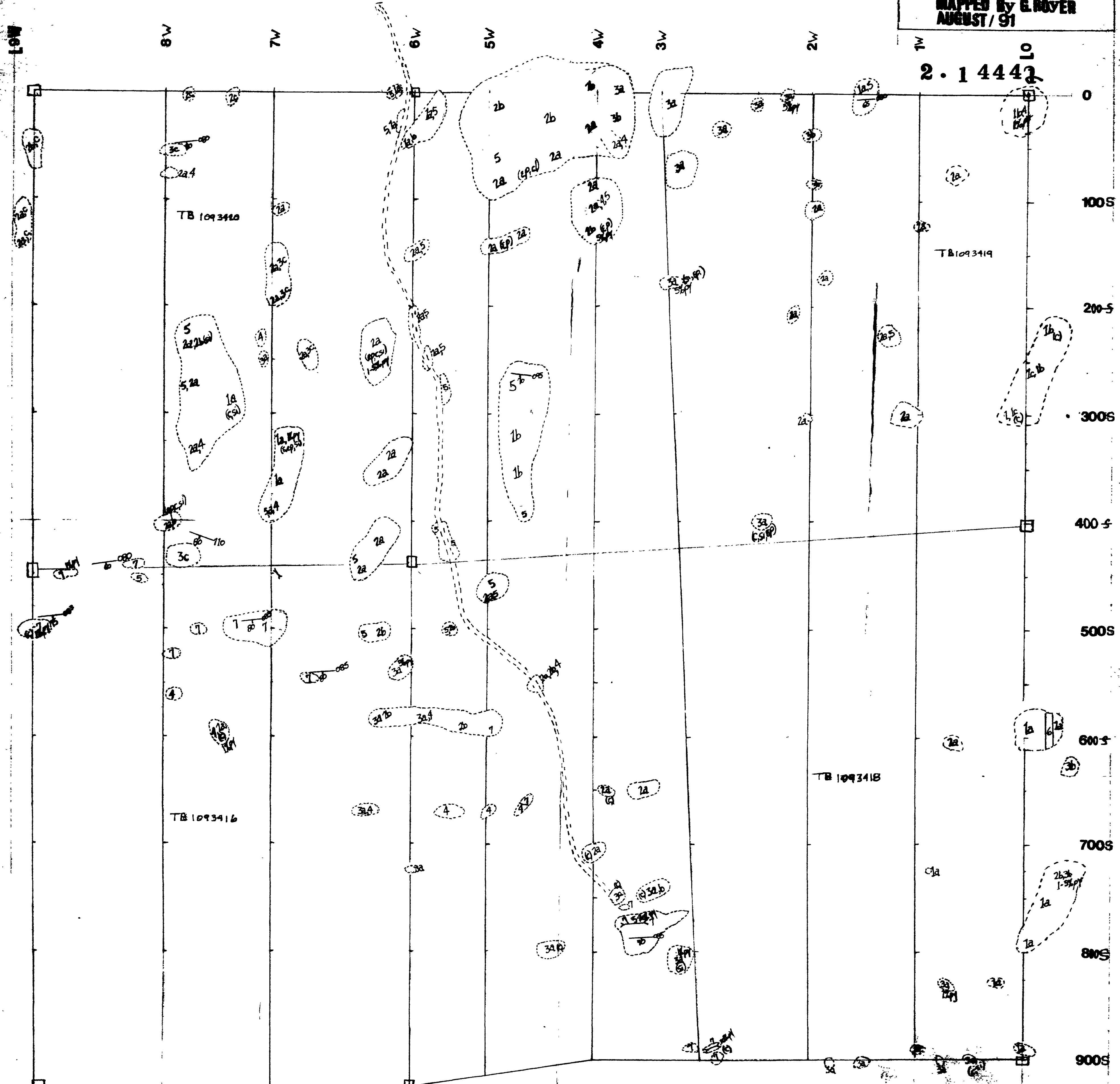
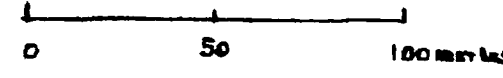
(ep) EPIDOTE

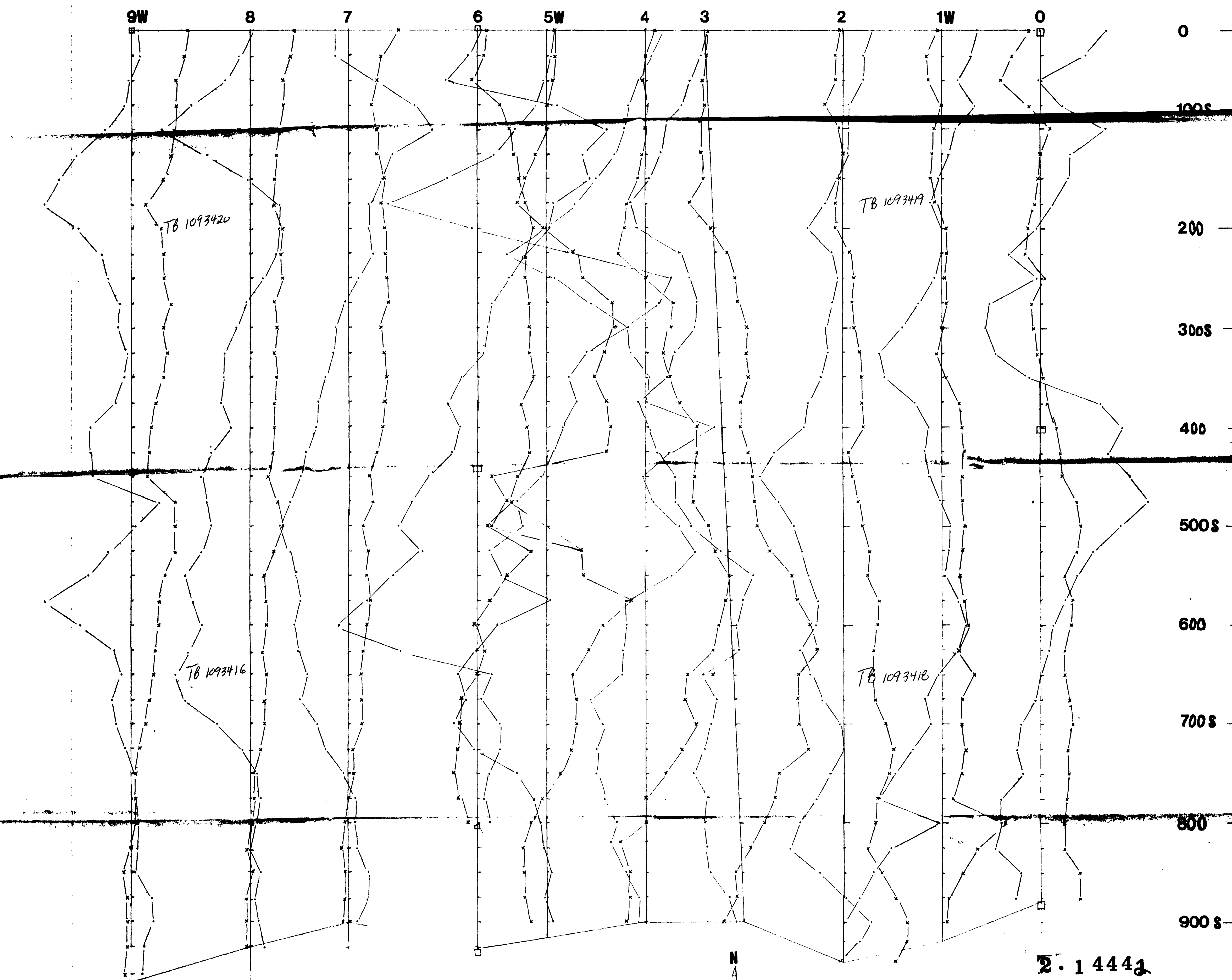
Si QUARTZ, CHERT

Py PYRITE > 1%


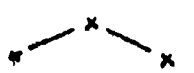
SCALE: 1cm: 20m
MAPPED BY G. ROYER
AUGUST / 91

GEOLOGY
ASHMORE TWP
CLAIMS 1093416, 18, 19, 20





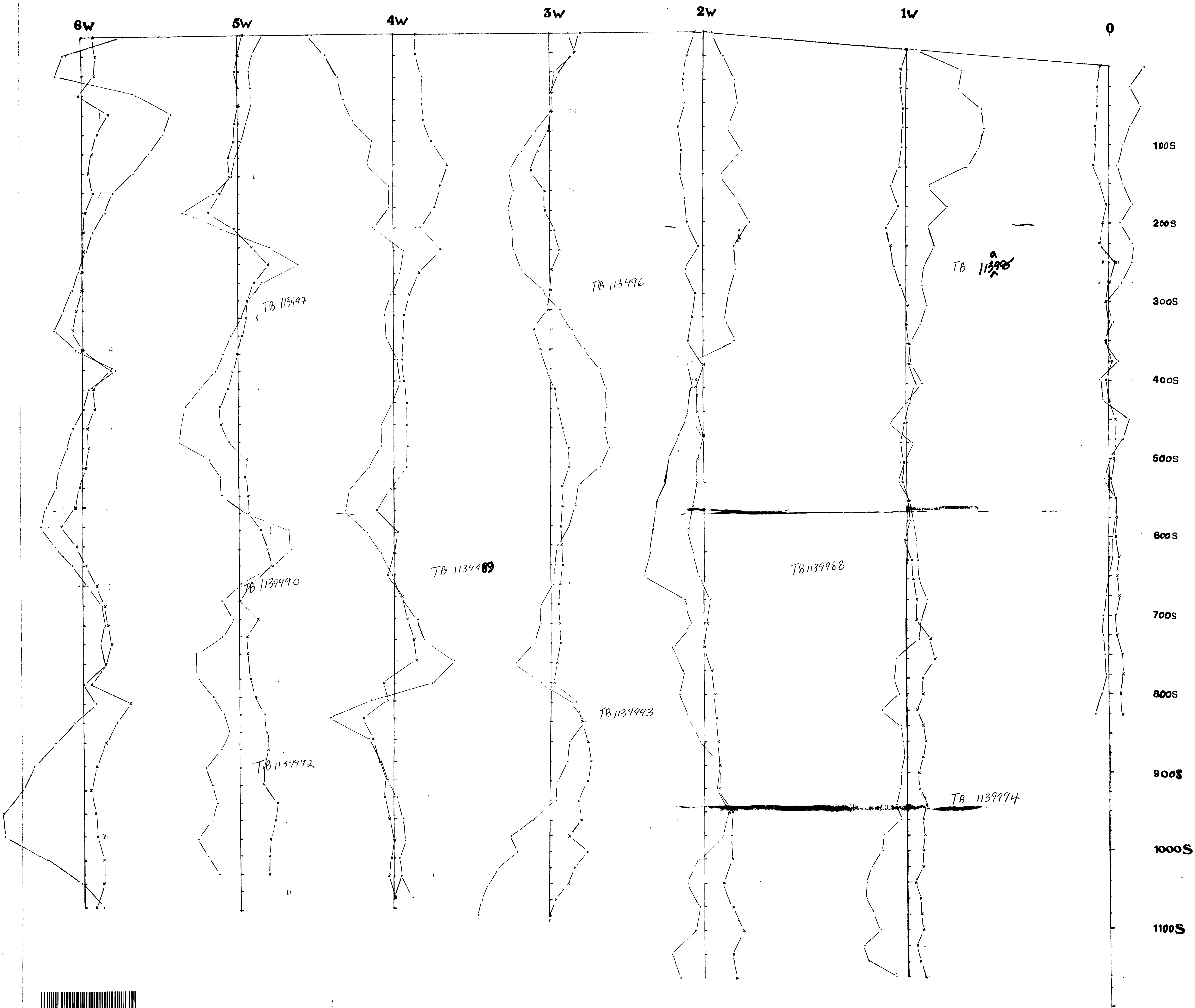
2. 1 4442

VLF EM
ASHMORE TWP. NORTH
 INPHASE 
 OUTPHASE 
TRANSMITTER NAA(24 KZ)
SCALE 1 CM = 10%



42E10W0102 2 14442 CROLL

240



100S
200S
300S
400S
500S
600S
700S
800S
900S
1000S
1100S

2.1444
VLF-EM
ASHMORE Twp.
Inphase
Outphase
Transmitter NLK
24.8 Khz.
Scale 1 CM = 10%

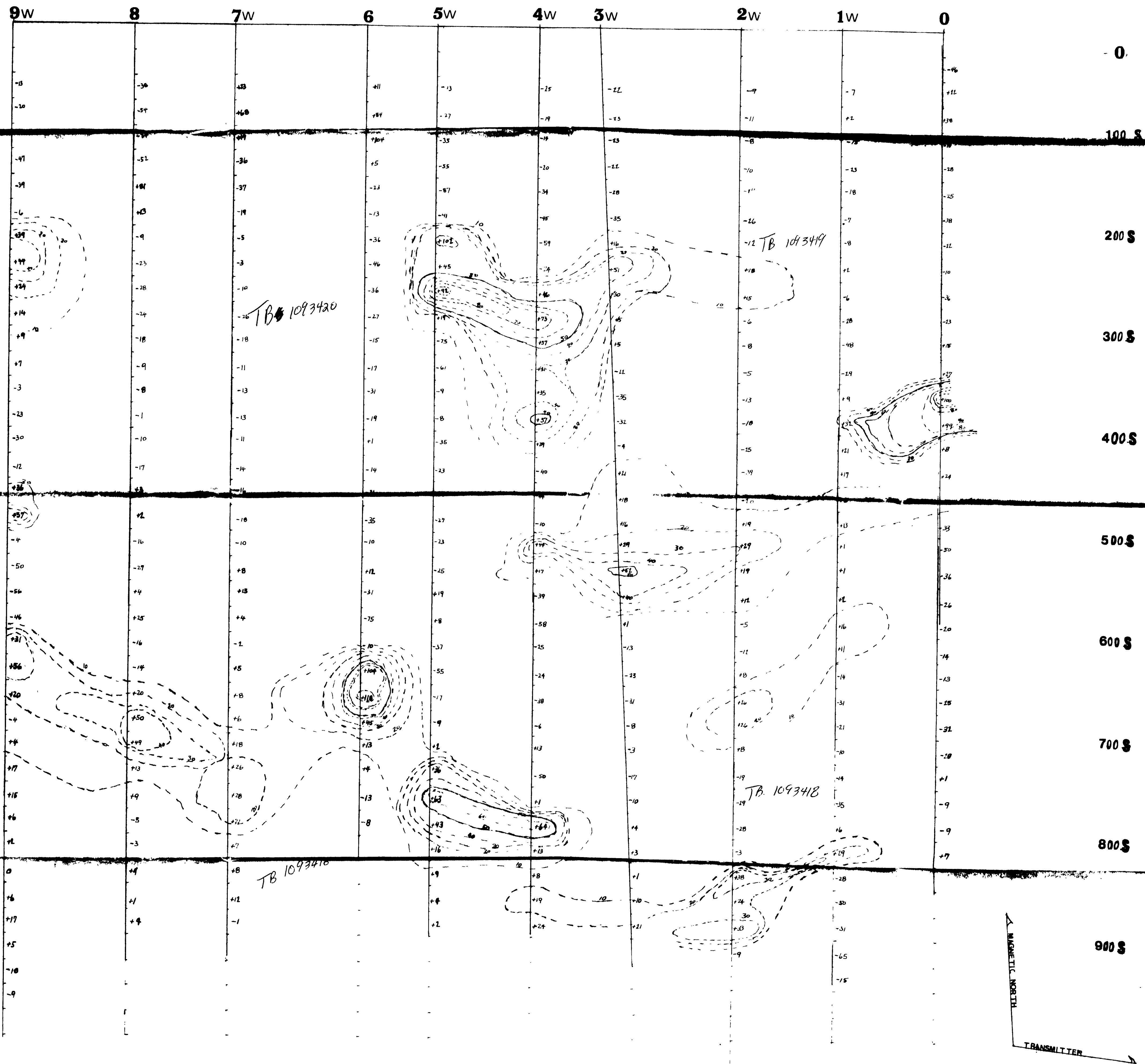
-10% 0 10%

TRANSMITTER



FRASER CONTOURS
 ASHMORE TWP
 Contour Interval 10%

2.14442



42E10N0102 2 14442 CROLL

