

## Vermillion Township Gold Project

### LOCATION AND ACCESS

Currently Green Forest Management Inc. is constructing logging roads that will provide access from highway #72 to the south side of claim # 3016215. The property may also be reached by boat via Vermillion Lake off highway #116 about 2 miles east of the town of Hudson.

### CLAIM STATUS

Claims 3016215 – 8 units and 4206937 –14 units cover the gold showing and are held on a 50/50 basis by Ivar Joseph Riives and Alexander Glatz.

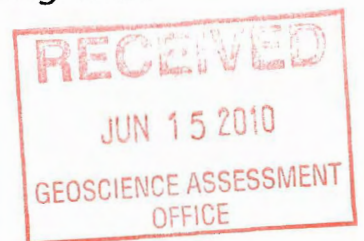
2.45447

### EXPLORATION HISTORY

Gold was discovered in the area in the late 1920's. In 1928 four (4) mining claims k2227, k2228, k2230, and k2234 were staked and patented and are currently situated in claim 3016215 with surface rights only.

During 1930, twenty-five (25) tons of ore produced 15.75 oz. of gold (Rogers and Yonge) in claim k2230. The most recent companies to work the property are: Stuartson Resources 1998-99; Nahani Mines Ltd., 1983 – diamond drilling; Kenco Exploration Ltd. 1995- line cutting, mapping, geophysical surveys and sampling.

Claim 3016215 was staked by I.J. Riives and A. Glatz on June 29<sup>th</sup>, 2006 followed by prospecting and sampling, including humus sampling, with very encouraging results east of the old trenches on a clay covered peninsula. Several of the silica- ser.- py altered rocks along the contact of quartz porphyry and sediments along the old workings assayed over one (1) oz. of gold per ton along with minor silver values.



## GEOLOGY

The regional geology is entirely underlain by Archean rocks of Superior Province of the Canadian Shield. The claim area falls within the Wabigoon subprovince consisting of volcano genic materials occurring in the North which are intruded by quartz porphyry and felsite.

The South boundary of the intrusive, clastic metasediments unconformably overlie the intrusive. Numerous shear zones occur across the property, but the main ones are contact related, including the wide shearer alteration zone that strikes easterly from the old workings at Vermillion Lake across a clay covered peninsula for 340 meters. It continues from there underwater and along the shore line.

## RECENT WORK

Ryan Cooke P.Geol. consulted with the claim owners regarding the potential of the property and recommended a thorough and professional exploration strategy. The unusually low lake water levels (1 meter +) this spring enabled prospecting and sampling of several reefs and shore line that is normally under water. 8 chip samples were taken by Mr. Cooke in altered felsite with sample #155562 assaying 29.85 gpt au over .75m (check assayed 13.53 and 37.76 gpt au.) and continuous sample #155561 assayed 11.45 gpt au over .60 m in 10% disseminated sulphides and mariposite. (Check assay 10.46 and 14.78 gpt au)

8 grab samples were also taken in altered felsite with sample #155569 assaying 8.32 gpt au (Check assay 15.60 and 8.23 gpt au) in disseminated sulphide.

## CONCLUSIONS AND RECOMMENDATIONS

Recent prospecting and sampling confirms the presence of high grade gold in a favorable geological setting and the potential for an economically viable ore body.

This claim has had only water access by Big Vermilion Lake. Current timber management plans have been approved to commence road construction and wood harvesting operations to the south side of claim 3016215.

This will facilitate road access and enable the use of excavating equipment along the contact at the north end of the claim and other targets.

Mr. Cooke has recommended:

- a winter line construction project at 100 meter spacing over the entire claim including the lake
- a geophysical winter program in order to include the many swamps and lake area
- detailed geophysical mapping at a scale of 1:500
- mechanical stripping and power washing of target areas including some of the areas identified through humus sampling at the north end of the claim
- prospecting and sampling the new road areas and cut-overs as the construction work progresses.

## VERMILION TOWNSHIP GOLD

## SAMPLING

## SUMMARY

2010

DATE	SAM #	TYPE	MINERALS	LITHOLOGY	AU GPT	COMMENTS
APRIL 28	155560	60cm CHIP	DISS. PY-4%	FELSITE	1.99	
"	155561	60cm CHIP	10% DISS. SULP. + FUCHITE	FELSITE	11.45	CHECK-1046 - 1478 G/T. AU.
"	155562	75cm CHIP	15% DISS. PY, CPY	FELSITE	29.85	CHECK-1353 - 37.76 G/T. AU.
"	155563	GRAB	MINOR SULP.	FELSITE	0.45	
"	155564	60cm CHIP	DISS. PY, CPY, GAL.	FELSITE	0.96	
"	155565	60cm CHIP	4% DISS. PY, CPY, GAL.	FELSITE	2.09	
"	155566	60cm CHIP	DISS. PY, CPY, GAL.	FELSITE	0.84	
"	155567	60cm CHIP	DISS. PY, CPY, GAL.	FELSITE	0.81	
"	155568	GRAB	MINOR PY, SULP.	FELSITE	1.47	FLOAT? LAKE SHORE
"	155569	GRAB	8% PY, CPY, GAL.	FELSITE	8.32	CHECK 1560, 823 SHOT ROCK.
"	155570	GRAB	MINOR DISS. PY	FELSITE	0.17	30m. WEST OF TRENCH.
"	155571	GRAB	MINOR DISS. PY.	FELSITE	0.27	4m. W. WEST END TRENCH.
"	155572	GRAB	DISS. SULP.	FELSITE	0.36	CHECK 0.41 G/T.
"	155573	GRAB	ARSENOPYRITE?	FELSITE	0.07	
"	155574	60cm CHIP	SOME BROWN STAINING	QTZ, PORP.	0.03	REEF ON LAKE (4'x6')
"	155575	GRAB	5% PY	FELSITE	0.03	
APRIL 30	610778	GRAB	8% PY	FELSITE	0.03	MULTI MINERAL ASSAY
APRIL 30	610779	GRAB	4% PY	QTZ, PORP.	0.09	SHEARED



2 - 302 48th Street - Saskatoon, SK - S7K 6A4  
P (306) 931-1033 F (306) 242-4717 E info@tsllabs.com

Company: Gossan Resources Ltd.  
Geologist: R. Cooke  
Project: Vermillion

TSL Report: S37767  
Date Received: May 05, 2010  
Date Reported: May 10, 2010  
Invoice: 57570

**Remarks:**

Sample Type:	Number	Size Fraction	Sample Preparation
Rock	16	Reject ~ 70% at -10 mesh (1.70 mm) Pulp ~ 95% at -150 mesh (106 µm)	Crush, Riffle Split, Pulverize
Pulp	0		None

Pulp Size: ~250 gram

**Standard Procedure:**

Samples for Au Fire Assay/Gravimetric (g/tonne) are weighed at 2 AT (58.32 g).

Element Name	Unit	Extraction Technique	Lower Detection Limit	Upper Detection Limit
Au	g/tonne	Fire Assay/Gravimetric	0.03	100%

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Liability is limited to the analytical cost for analyses.*

**CERTIFICATE OF ANALYSIS**

**SAMPLE(S) FROM**

Gossan Resources Ltd.  
404 - 171 Donald Street  
Winnipeg, MB R3C 1M4

**REPORT No.**  
S37767

**SAMPLE(S) OF**

16 Rock/0 Pulp

INVOICE #: 57570  
P.O.:

R. Cooke  
Project: Vermillion

	Au g/t	Au1 g/t	File Name
155560	1.99		S37767
155561	10.46	11.45/14.78	S37767
155562	13.53	29.85/37.76	S37767
155563	.45		S37767
155564	.96		S37767
155565	2.09		S37767
155566	.84		S37767
155567	.81		S37767
155568	1.47		S37767
155569	8.32	15.60/8.23	S37767
155570	.17		S37767
155571	.27		S37767
155572	.36	.41	S37767
155573	.07		S37767
155574	<.03		S37767
155575	<.03		S37767
GS-10C	10.36		S37767
GS-10C	9.36		S37767

COPIES TO: Gossan Res.  
INVOICE TO: Gossan Resources - Winnipeg

May 10/10

SIGNED



Mark Acres - Quality Assurance



2 - 302 48th Street • Saskatoon, SK • S7K 6A4  
 P (306) 931-1033 F (306) 242-4717 E info@tsllabs.com

Company: Gossan Resources Ltd.  
 Geologist: R. Cooke  
 Project: Vermillion  
 Purchase Order:

TSL Report: S37767  
 Date Received: May 05, 2010  
 Date Reported: May 20, 2010  
 Invoice: 57570

Sample Type:	Number	Size Fraction	Sample Preparation
Rock	16	Reject ~ 70% at -10 mesh (1.70 mm) Pulp ~ 95% at -150 mesh (106 µm)	Crush, Riffle Split, Pulverize
Pulp	0		None

**ICP-MS Aqua Regia Digestion HCl-HNO<sub>3</sub>**

*The Aqua Regia Leach digestion liberates most of the metals except those marked with an asterisk where the digestion will not be complete.*

Element Name	Lower Detection Limit	Upper Detection Limit	Element Name	Lower Detection Limit	Upper Detection Limit
Ag	0.1 ppm	100 ppm	Mn *	1 ppm	10000 ppm
Al *	0.01 %	10 %	Mo	0.1 ppm	2000 ppm
As	0.5 ppm	10000 ppm	Na *	0.001%	10 %
Au	0.5 ppb	100 ppm	Ni	0.1 ppm	10000 ppm
B *	1 ppm	2000 ppm	P *	0.001%	5 %
Ba *	1 ppm	1000 ppm	Pb	0.1 ppm	10000 ppm
Bi	0.1 ppm	2000 ppm	S	0.05 %	10 %
Ca *	0.01%	40 %	Sb	0.1 ppm	2000 ppm
Cd	0.1 ppm	2000 ppm	Sc	0.1 ppm	100 ppm
Co	0.1 ppm	2000 ppm	Se	0.5 ppm	1000 ppm
Cr *	1 ppm	10000 ppm	Sr *	1 ppm	10000 ppm
Cu	0.1 ppm	10000 ppm	Te	1 ppm	2000 ppm
Fe *	0.01%	40 %	Th *	0.1 ppm	2000 ppm
Ga *	1 ppm	1000 ppm	Ti *	0.001%	10 %
Hg	0.01 ppm	100 ppm	Tl	0.1 ppm	1000 ppm
K *	0.01%	10 %	U *	0.1 ppm	2000 ppm
La *	1 ppm	10000 ppm	V *	2 ppm	10000 ppm
Mg *	0.01%	30 %	W *	0.1 ppm	100 ppm
			Zn	1 ppm	10000 ppm

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 Liability is limited to the analytical cost for analyses.*

**Gossan Resources Ltd.**

Attention: R. Cooke

Project: Vermillion

Sample: 16 Rock/0 Pulp

**TSL LABORATORIES INC.**

2 - 302 48th Street East, Saskatoon, Saskatchewan, S7K 6A4

Tel: (306) 931-1033 Fax: (306) 242-4717

Report No: S37767

Date: May 20, 2010

**MULTIELEMENT ICP-MS ANALYSIS**

Aqua Regia Digestion

Element Sample	Ag ppm	Al %	As ppm	Au ppb	B ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %
155560	1.1	2.00	1591.7	918.7	<20	67	0.4	2.78	<0.1	27.3	83.0	71.7	4.53	5	0.04	0.08	42	1.68	816	0.6	0.002	61.4	0.134
155561	2.8	0.35	>10000.0	>5000.0	<20	51	0.9	3.43	0.1	21.2	67.0	86.0	3.58	1	0.05	0.09	19	1.54	655	0.7	0.009	44.0	0.063
155562	1.2	0.11	>10000.0	3275.8	<20	38	0.2	3.29	0.1	18.4	52.0	32.7	3.15	<1	0.03	0.07	15	1.38	566	0.4	0.012	38.6	0.049
155563	0.3	0.15	>10000.0	269.4	<20	46	<0.1	3.98	<0.1	22.8	25.0	21.6	3.98	<1	0.02	0.10	26	1.55	631	0.3	0.017	53.4	0.101
155564	0.5	0.59	8889.9	963.9	<20	36	<0.1	5.42	0.1	24.9	46.0	27.3	4.12	2	0.02	0.09	24	2.55	797	0.3	0.018	57.1	0.080
155565	0.7	0.14	>10000.0	2444.2	<20	42	0.2	5.71	0.3	26.0	36.0	10.4	4.10	<1	0.02	0.09	21	2.30	735	0.3	0.012	50.9	0.070
155565 Re	0.6	0.14	>10000.0	1531.2	<20	41	0.2	5.58	0.2	25.8	35.0	12.6	4.06	<1	0.03	0.08	20	2.28	726	0.3	0.012	51.6	0.070
155566	0.3	0.16	>10000.0	515.0	<20	44	0.2	5.35	0.1	21.5	28.0	8.5	3.84	<1	0.01	0.08	22	2.30	777	0.3	0.011	48.2	0.074
155567	0.9	0.27	>10000.0	954.3	<20	39	0.3	5.48	<0.1	23.4	30.0	24.4	3.91	<1	0.02	0.08	21	2.58	797	0.3	0.010	48.2	0.072
155568	0.6	0.24	>10000.0	2744.7	<20	33	<0.1	5.97	<0.1	23.9	24.0	8.6	4.25	<1	0.01	0.10	18	2.65	761	0.3	0.013	50.0	0.078
155569	1.0	0.10	>10000.0	>5000.0	<20	28	0.1	5.00	<0.1	22.5	39.0	15.7	3.76	<1	0.02	0.08	14	2.19	631	0.5	0.013	47.4	0.056
155570	0.5	0.19	3662.1	56.8	<20	60	<0.1	4.01	<0.1	23.6	23.0	60.4	2.58	<1	0.02	0.12	29	0.89	457	1.0	0.013	46.8	0.118
155571	<0.1	0.19	7236.5	178.5	<20	49	<0.1	5.43	<0.1	24.9	21.0	7.4	4.34	<1	0.02	0.10	20	2.09	793	0.2	0.016	54.2	0.086
155572	0.4	0.55	8111.9	52.7	<20	45	0.4	5.48	0.2	18.6	55.0	70.6	3.14	1	<0.01	0.09	28	2.50	1159	0.4	0.016	51.8	0.227
155573	<0.1	0.14	4738.5	8.6	<20	46	<0.1	0.73	<0.1	5.6	55.0	10.3	0.84	<1	<0.01	0.10	11	0.24	198	0.8	0.023	13.9	0.018
155574	<0.1	0.15	76.2	2.9	<20	30	<0.1	0.69	<0.1	10.1	39.0	2.1	0.41	<1	0.06	0.07	9	0.06	84	0.3	0.034	5.6	0.032
155575	<0.1	0.20	24.4	<0.5	<20	30	<0.1	6.08	<0.1	20.4	36.0	5.2	2.07	<1	0.02	0.07	29	2.44	752	<0.1	0.013	84.4	0.057
BLK	<0.1	<0.01	<0.5	<0.5	<20	<1	<0.1	<0.01	<0.1	<0.1	<1	<0.1	<0.01	<1	<0.01	<0.01	<1	<0.01	<1	<0.1	<0.001	<0.1	<0.001
STD DS7	1.1	0.96	53.0	45.9	40	423	4.9	0.90	6.7	8.4	153.0	99.3	2.26	4	0.24	0.46	12	0.99	597	19.1	0.083	52.0	0.082
STD OREAS45PA	0.4	3.13	6.4	37.4	<20	225	0.2	0.26	0.2	100.6	724.0	582.8	15.66	18	0.04	0.08	18	0.10	1098	1.0	0.003	283.0	0.039
STD DS7	1.0	0.98	49.0	63.0	35	381	4.7	0.93	6.1	9.8	176.0	108.7	2.29	4	0.22	0.43	11	1.03	591	20.2	0.087	55.5	0.072
BLK	<0.1	<0.01	<0.5	<0.5	<20	<1	<0.1	<0.01	<0.1	<0.1	<1	<0.1	<0.01	<1	<0.01	<0.01	<1	<0.01	<1	<0.1	<0.001	<0.1	<0.001
STD OREAS45PA	0.3	2.80	4.3	36.5	<20	153	0.2	0.23	0.1	99.4	690.0	515.1	15.54	16	0.02	0.06	13	0.09	1024	0.8	0.005	247.5	0.030

A 0.5 g sample is digested with 3 ml 3:1 HCl-HNO<sub>3</sub>  
at 95°C for 1 hour and diluted to 10 ml with DI H<sub>2</sub>O.

Signed: 

Mark Acres - Quality Assurance



**Gossan Resources Ltd.**

Attention: R. Cooke

Project: Vermillion

Sample: 16 Rock/0 Pulp

**TSL LABORATORIES INC.**

2 - 302 48th Street East, Saskatoon, Saskatchewan, S7K 6A4

Tel: (306) 931-1033 Fax: (306) 242-4717

Report No: S37767

Date: May 20, 2010

**MULTIELEMENT ICP-MS ANALYSIS**

Aqua Regia Digestion

Element Sample	Pb ppm	S %	Sb ppm	Sc ppm	Se ppm	Sr ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
155560	84.7	0.47	3.9	2.4	<0.5	303	<1	5.8	0.003	<0.1	0.5	30	<0.1	96
155561	570.2	1.33	8.6	1.8	<0.5	384	<1	3.0	0.002	<0.1	0.5	7	<0.1	53
155562	126.0	1.34	8.0	1.8	<0.5	312	<1	2.4	<0.001	<0.1	0.4	4	0.2	41
155563	8.4	2.04	3.8	2.0	<0.5	383	<1	3.9	<0.001	<0.1	0.4	5	<0.1	34
155564	57.4	1.36	2.8	3.3	<0.5	599	<1	3.3	0.001	<0.1	0.3	14	<0.1	74
155565	139.1	1.59	3.7	2.2	<0.5	560	<1	3.1	<0.001	<0.1	0.4	5	0.1	66
155565 Re	143.8	1.56	3.5	2.1	<0.5	532	<1	3.0	<0.001	<0.1	0.3	5	<0.1	69
155566	157.4	1.61	2.9	2.0	<0.5	538	<1	3.1	<0.001	<0.1	0.4	5	0.1	42
155567	537.2	1.68	3.6	2.3	0.7	570	<1	3.2	0.001	<0.1	0.4	7	<0.1	33
155568	21.1	1.53	3.6	2.3	<0.5	652	<1	3.0	<0.001	<0.1	0.3	7	0.1	48
155569	81.4	1.52	4.4	2.7	<0.5	534	<1	2.4	<0.001	<0.1	0.4	5	<0.1	49
155570	11.7	0.85	3.1	1.5	<0.5	299	<1	4.2	<0.001	<0.1	0.6	5	<0.1	40
155571	21.4	1.79	1.9	2.2	<0.5	513	<1	3.2	<0.001	<0.1	0.4	6	<0.1	37
155572	132.1	0.40	1.7	2.6	<0.5	865	<1	8.1	0.003	<0.1	1.4	10	0.2	40
155573	15.0	0.27	1.1	0.2	<0.5	89	<1	3.5	<0.001	<0.1	0.6	<2	<0.1	6
155574	5.3	0.06	0.4	0.1	<0.5	40	<1	1.2	<0.001	<0.1	0.2	<2	0.1	14
155575	9.1	<0.05	<0.1	1.2	<0.5	283	<1	3.8	0.001	<0.1	0.7	5	<0.1	53
BLK	<0.1	<0.05	<0.1	<0.1	<0.5	<1	<1	<0.1	<0.001	<0.1	<0.1	<2	<0.1	<1
STD DS7	66.4	0.19	5.0	2.0	3.4	70	1	4.2	0.098	3.9	4.1	78	3.7	394
STD OREAS45PA	18.7	<0.05	0.2	41.8	0.6	16	<1	6.6	0.116	<0.1	1.2	214	<0.1	129
STD DS7	72.0	0.19	4.5	2.4	3.4	67	1	4.2	0.117	3.8	4.9	78	3.2	383
BLK	<0.1	<0.05	<0.1	<0.1	<0.5	<1	<1	<0.1	<0.001	<0.1	<0.1	<2	<0.1	<1
STD OREAS45PA	17.2	<0.05	0.2	38.9	0.6	12	<1	5.6	0.117	<0.1	1.0	197	<0.1	114

A 0.5 g sample is digested with 3 ml 3:1 HCl-HNO3 at 95C for 1 hour and diluted to 10 ml with DI H2O.

Signed: 

05/27/2010 11:27 2043425454



Established 1928

# Swastika Laboratories Ltd

Assaying - Consulting - Representation

Page 1 of 1

## Assay Certificate

**Certificate Number: 10-1473**

Company: **I.J. Riives**

*VERMILION L.*

Project: **VL**

Report Date: **11-May-10**

Attn: **I.J. Riives**

*We hereby certify the following Assay of 2 rock samples submitted 05-May-10 by I.J. Riives*

Sample Number	Au	Au Chk	Au	Au Chk
	FA-AAS	FA-AAS	FA-GRAV	FA-GRAV
	ppb	ppb	ppb	ppb
610778	36			
610779	96			

Certified by

*Denis Chartre*  
Denis Chartre



**Assayers Canada**  
 8282 Sherbrooke St., Vancouver, B.C., V5X 4R6  
 Tel: (604) 327-3436 Fax: (604) 327-3423

Report No : 0W1473PJ  
 Date : May-14-10  
 Sample type : PULP

**I.J.Riives**

Project : VL

Attention : I. J. Riives

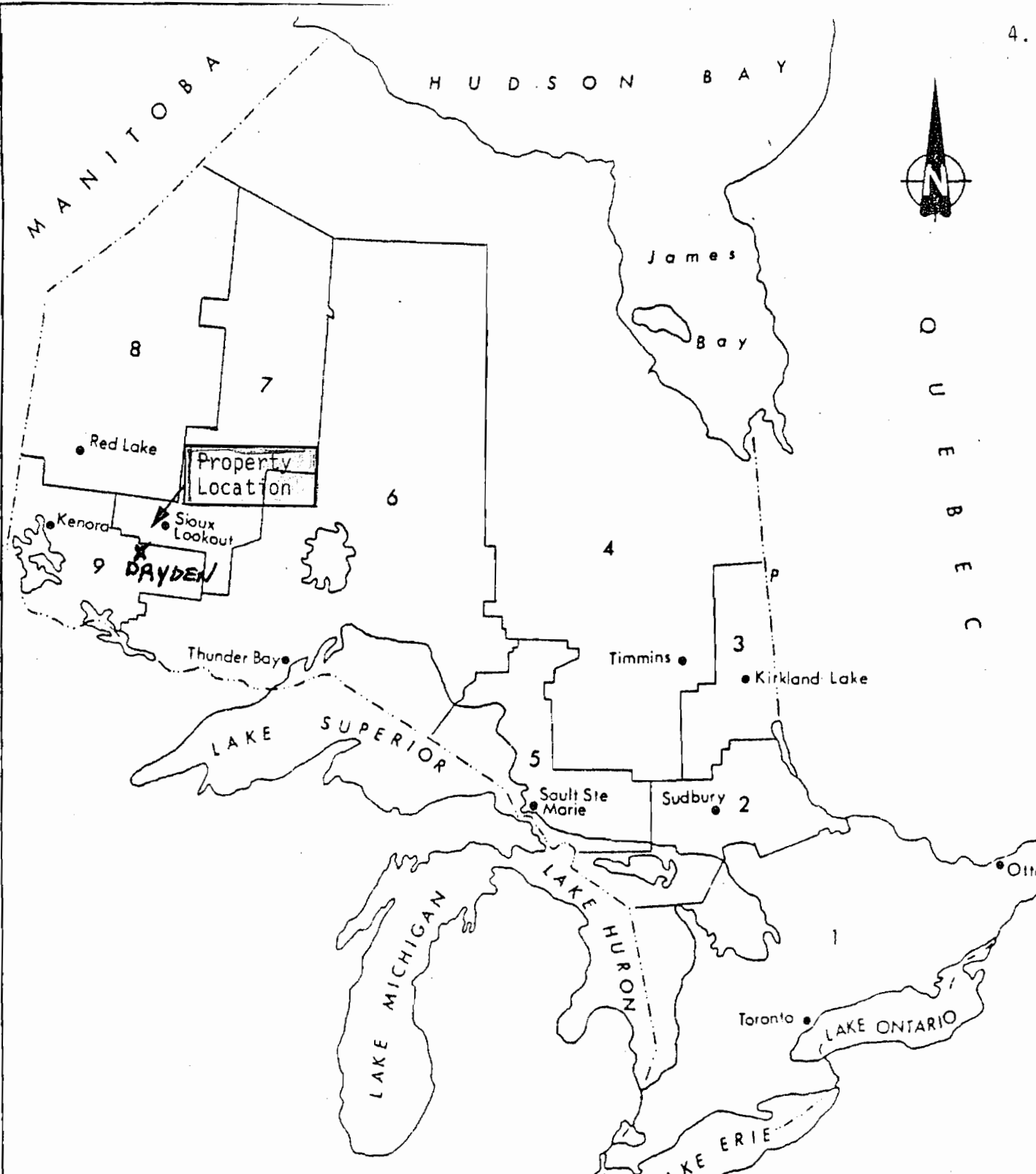
**Multi-Element ICP-AES Analysis**  
 Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Zr ppm	
610779	0.3	0.22	5805	34	<0.5	5	6.05	1	13	18	24	2.95	<1	0.07	39	2.31	1461	<2	0.02	50	0.271	117	0.35	<5	3	1218	11	<0.01	15	<10	13	<10	29	25	
<b>Duplicates:</b>																																			
610779	0.3	0.22	5586	33	<0.5	5	6.09	1	12	19	24	3.00	<1	0.07	37	2.34	1478	<2	0.02	51	0.269	118	0.36	<5	3	1222	11	<0.01	15	<10	11	<10	32	24	
<b>Standards:</b>																																			
Blank	<0.2	<0.01	<5	<10	<0.5	<5	<0.01	<1	<1	<1	<1	<0.01	<1	<0.01	<10	<0.01	<5	<2	<0.01	<1	<0.001	<2	<0.01	<5	<1	<1	<5	<0.01	<10	<10	<1	<10	<1	<1	
CH-4	2.0	1.79	11	290	<0.5	<5	0.57	5	29	111	2164	4.31	<1	1.46	13	1.18	322	3	0.05	57	0.077	20	0.62	<5	7	8	<5	0.19	13	<10	84	<10	204	10	

2

5 gm sample is digested with 5 ml 3:1 HCl/HNO3 at 95°C for 2 hours and diluted to 25ml.

Signed: \_\_\_\_\_



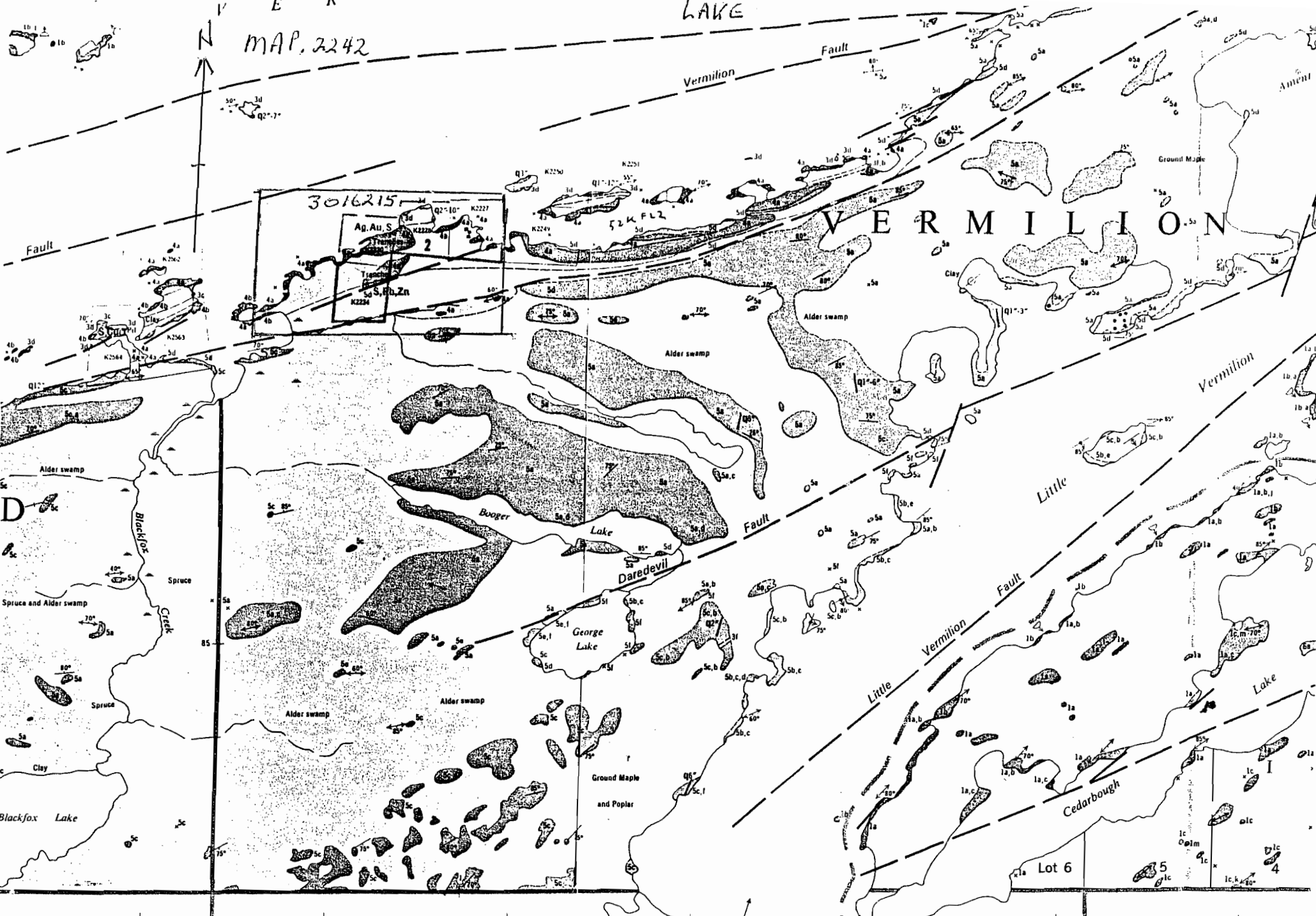
MINING DIVISION

- 1 Eastern Ontario
- 2 Sudbury
- 3 Larder Lake
- 4 Parcupine
- 5 Sault Ste Marie
- 6 Thunder Bay
- 7 Patricia
- 8 Red Lake
- 9 Kenora

VERMILION TWP. GOLD

MAP. 2242

LAKE



1" : 1/2 miles

Adjoins Map 2155

**LEGEND**

**CENOZOIC<sup>a</sup>**

**RECENT**

Lake, stream, and vegetal deposits.

**PLEISTOCENE**

Sand, gravel, clay and varved clay deposits.

**UNCONFORMITY**

**PRECAMBRIAN<sup>b</sup>**

**ARCHEAN**

**LATE INTRUSIVE ROCKS**

**GRANITIC ROCKS<sup>c</sup>**



- 7 Unsubdivided granitic rocks.
- 7a Hybrid granite and granite gneiss.
- 7b Porphyritic granite.
- 7c Quartz-eye granite, quartz porphyry.
- 7d Feldspar porphyry, granodiorite.
- 7e Trondhjemite and quartz diorite.

**INTRUSIVE CONTACT**

**MAFIC INTRUSIVE ROCKS<sup>c</sup>**



- 6 Unsubdivided mafic intrusive rocks.
- 6a Diorite, syenodiorite.
- 6b Gabbro.

**INTRUSIVE CONTACT**

**ABRAM METASEDIMENTS<sup>c</sup>**



- 5a Arkose.
- 5b Slate, varved slate, argillite.
- 5c Greywacke.
- 5d Granite and quartz porphyry conglomerate.
- 5e Chlorite schist, chloritic tuff.
- 5f Crystal tuff, tuffaceous metasediments.



Iron formation.

**UNCONFORMITY**

**EARLY FELSIC INTRUSIVE ROCKS<sup>c</sup>**



- 4a Quartz porphyry.
- 4b Felsite.

**INTRUSIVE CONTACT**

**PATARA METASEDIMENTS<sup>c</sup>**



- 3a Arkose.
- 3b Slate and argillite.
- 3c Greywacke.
- 3d Volcanic boulder and pebble conglomerate and breccia.
- 3e Chert and siliceous metasediments.
- 3f Tuffs and tuffaceous metasediments.

**MINOR UNCONFORMITY**

**FELSIC METAVOLCANICS<sup>c</sup>**



- 2a Pillowed lava.
- 2b Agglomerate.
- 2c Rhyolite and porphyritic rhyolite.
- 2d Tuff.

**INTERMEDIATE TO MAFIC METAVOLCANICS<sup>c</sup>**



- 1a Intermediate to mafic lava, schistose greenstone.
- 1b Pillowed lava.
- 1c Massive, dioritic lava.
- 1d Crystal tuff and crystal-rich flows.
- 1e Agglomerate.
- 1g Layered greenstone, amphibolite, epidote-amphibolite of probable volcanic origin.
- 1h Biotite and hornblende schists and gneiss mainly of sedimentary or tuffaceous origin.
- 1j Porphyritic basalt (leopard rock).
- 1k Variolitic lava.
- 1m Crystal-lithic tuff, tuff and tuffaceous metasediments.



Iron formation.



Carbonatized rock.

**SYMBOLS**



Glacial striae.



Small bedrock outcrop.



Area of bedrock outcrop.



Bedding, top unknown; (intical).



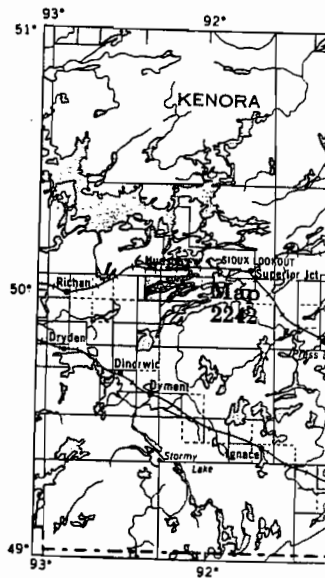
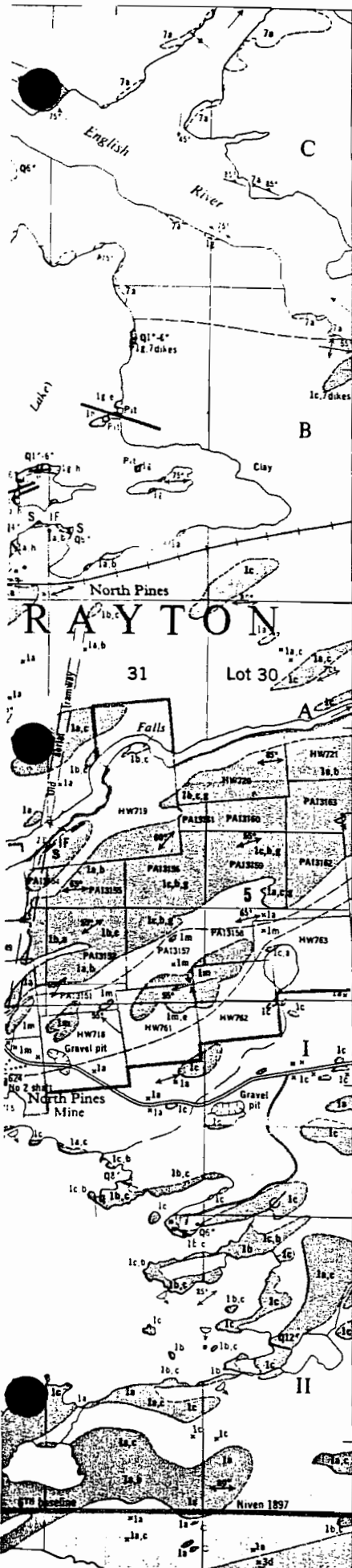
Bedding, top (arrow) from ation; (inclined, vertical, over).



Bedding, top (arrow) from ding; (inclined, vertical, over).

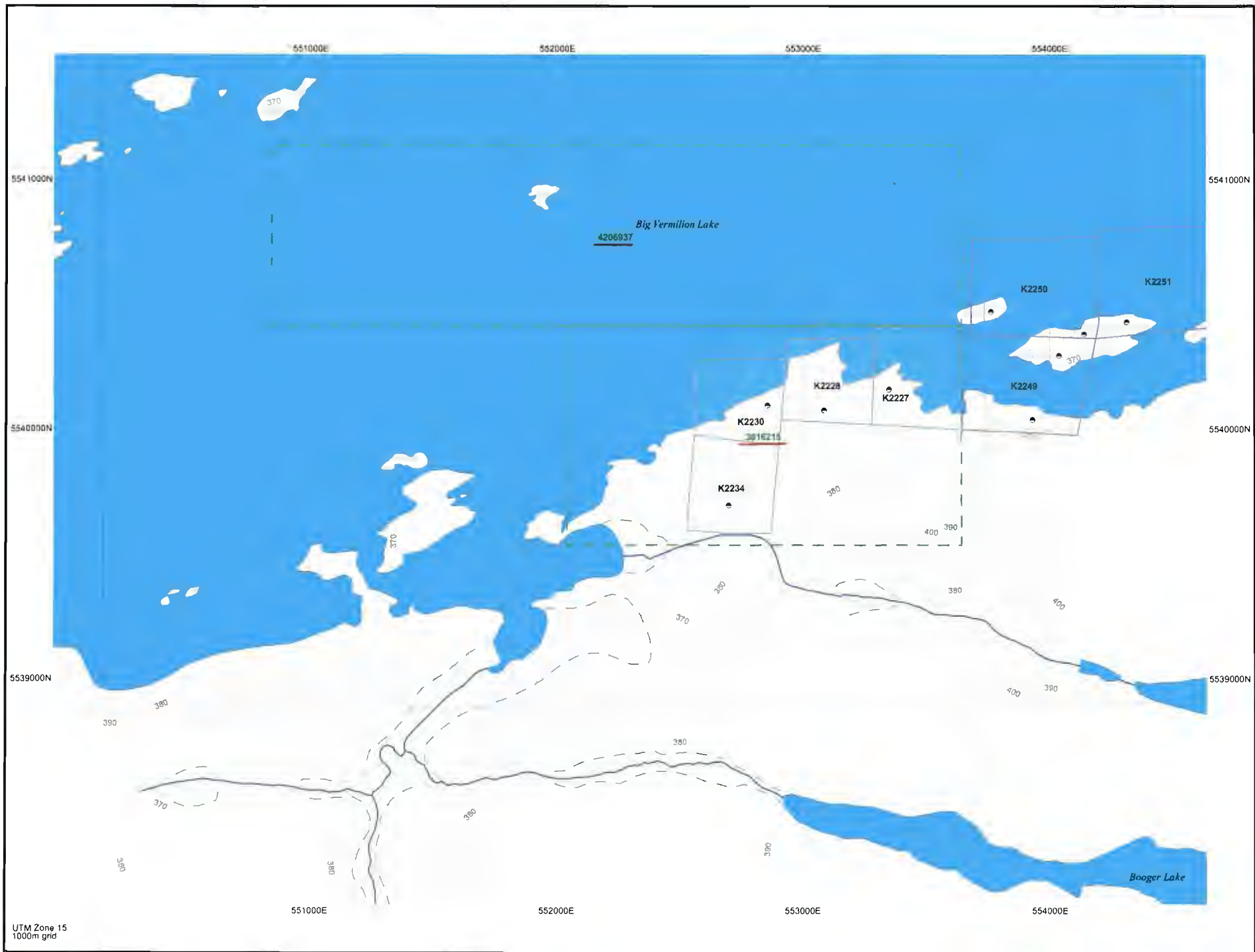


Bedding, top (arrow) from.



Scale, 1 inch to 50 miles

N.T.S. reference 52F/15, 52F/16, 52K/1.



UTM Zone 15  
1000m grid

I. J. Alives  
15 Keith Ave  
Site 132 Box 5  
Dryden, ON  
P8N 2Y4

VERMILION TOWNSHIP GOLD

SAMPLING MAP

CLAIM 3016215

SCALE 1:2500

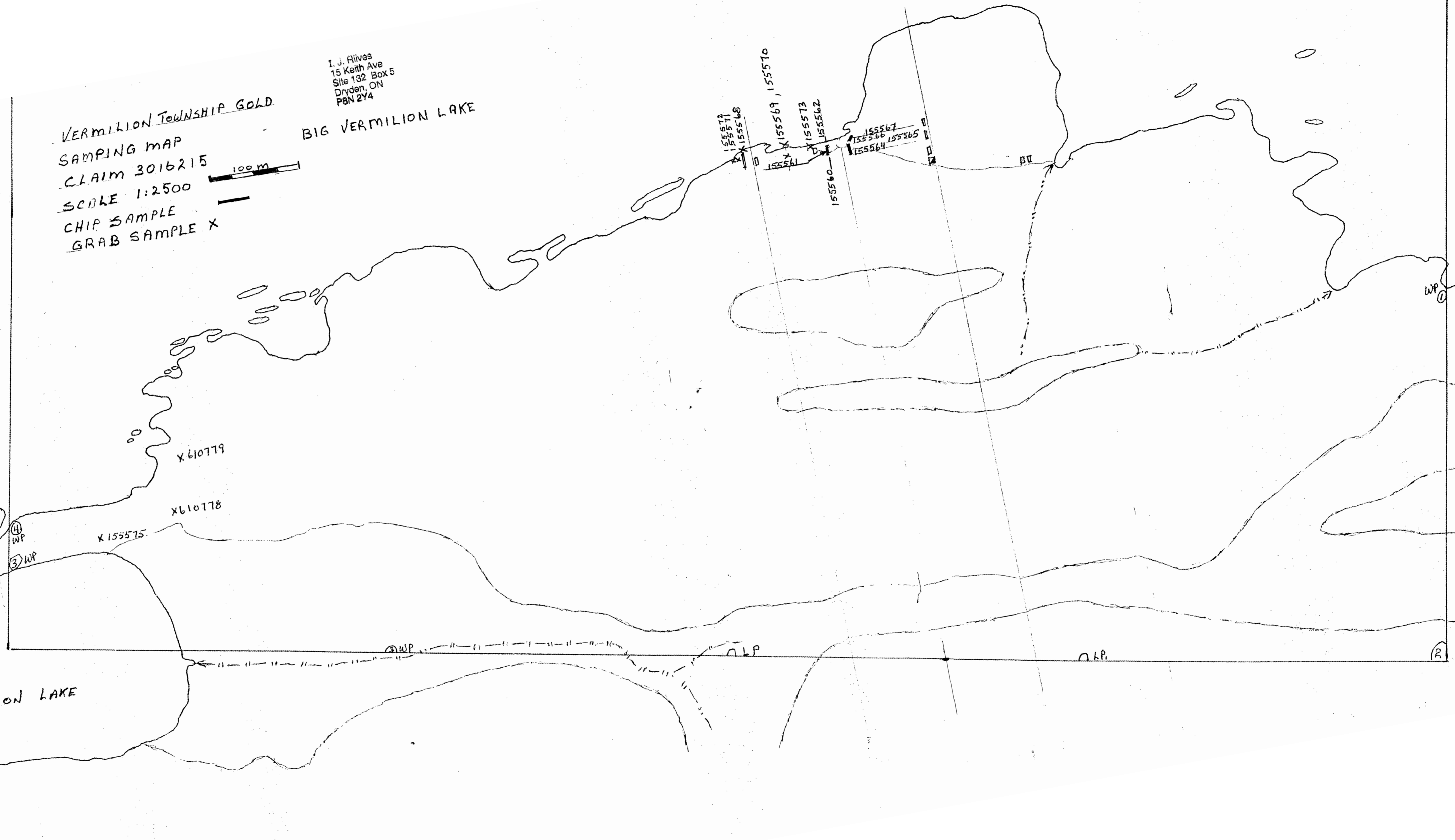
CHIP SAMPLE

GRAB SAMPLE X



BIG VERMILION LAKE

BIG VERMILION LAKE





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Dryden, ON  
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VERMILION TWP. GOLD  
CLAIM 3016215  
GEOLOGY

- 5- ABRAM METASEDIMENTS
- 5A- ARCOSE 5B- QP CONGLOMERATE
- 4- FELSIC INTRUSIVE
- 4A- QUARTZ PORPHYRY
- 4B- FELSITE
- 3- PATRA METASEDIMENTS
- 3A- TUFFS, TUFFACEOUS METASEDIMENTS
- 3B- AGGLOMERATE
- SCALE: 1:2500
- 100 m.
- SHEA ZONE

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