

**Valley Lake**

**Final Report**

(OEC GRANT 2010-002)

Submitted by Patrick Dick  
November 2010

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### Attachments

Grid Sample Map with Geology, Scale 1:2500

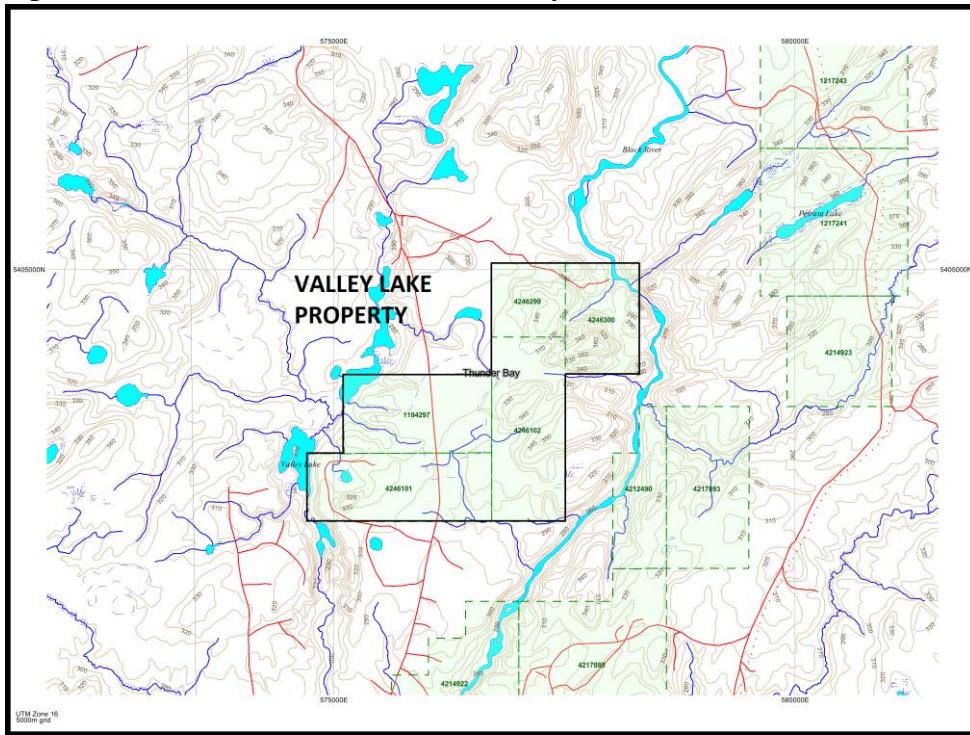
## Introduction

The property covers the western portion of a pyritic, silicified sericite horizon that hosts the high-grade Kusins occurrence (10.7% zinc, 8.9% lead and 77.8 grams/ton silver) which W.T. Kusins discovered in 1962. Kusins put down four small pits on the occurrence in 1964 before he optioned his claims to Cominco in 1965 who drilled 6 shallow holes on the occurrence in 1965. Pryme Energy staked the occurrence in 1983 during the Hemlo rush and optioned it to Noranda Exploration who conducted geological mapping and soil sampling. In 1988 Dolphin Explorations and Corona Corp performed additional geological mapping and soil sampling. In 1991 and 1992, prospectors Saunders and Simoneau performed stripping, trenching, mapping, soil sampling and geophysical surveys around the zinc occurrence. The property containing the showing was allowed to lapse and re-staked by Hemlo North Shore Inc in 2007. In April 2008, Harte Gold Corp acquired the property from Hemlo North Shore Inc but allowed the claims to lapse, at which time we re-staked them. Kaminak Gold Corp holds a large block of claims in the area but have done little exploration to date.

## Location and Access

Wabikoba Lake Area G-0620, Schreiber - Hemlo District, Thunder Bay Mining Division  
NTS 42C/13SW, NAD83 UTM Zone 16, 576069m E, 5403504m N (center of the property)  
The Valley Lake property consists of 38 claim units located in the Wabikoba Lake area of the Thunder Bay Mining District. The claims are located approximately 9 km northwest of the Hemlo gold deposit and can be accessed by travelling 24 km down the Swede Lake forest access road, which turns off Highway 614 approximately 26 km south of the town of Manitouwadge.

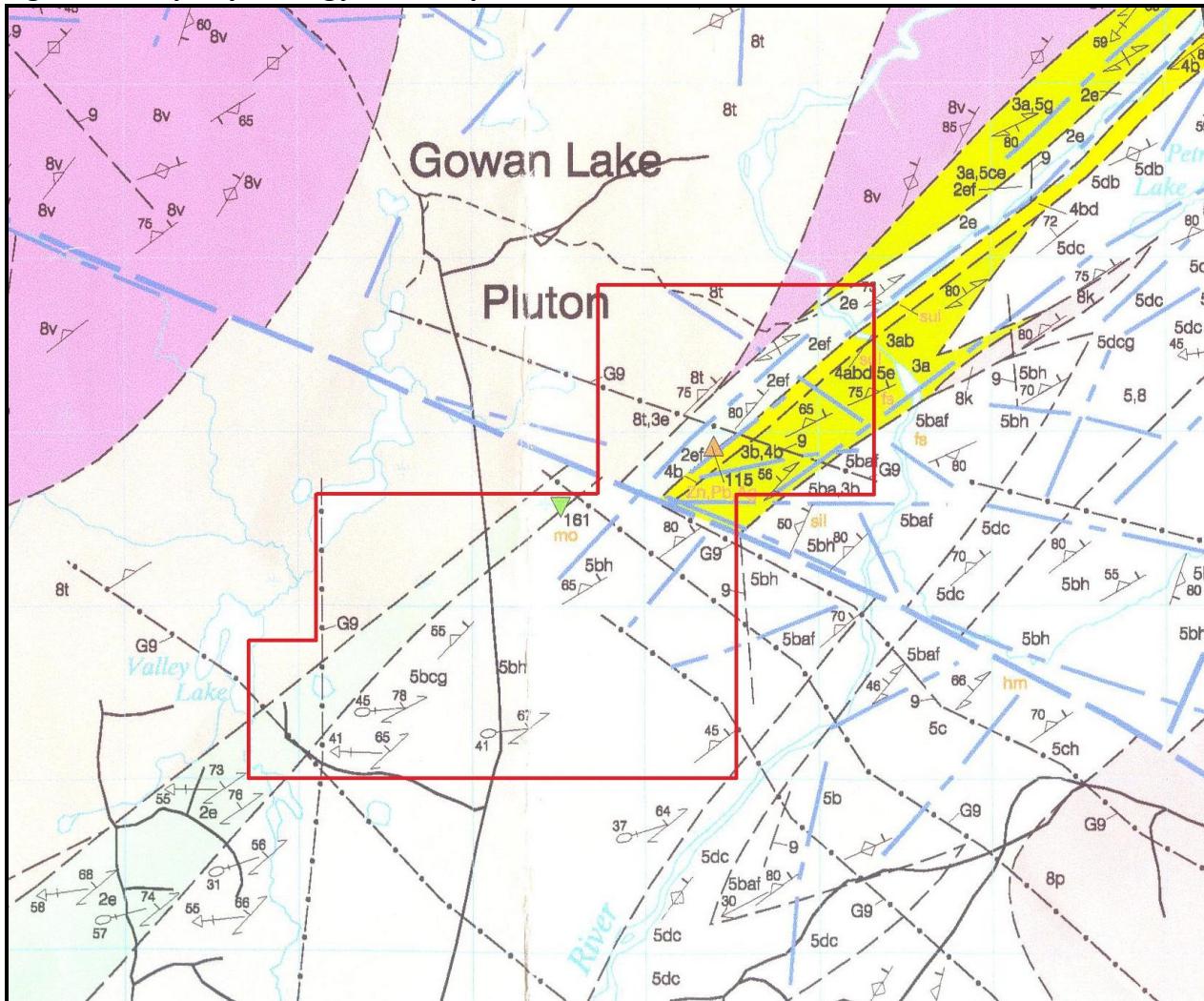
**Figure 1 - Wabikoba Lake Area. Claim Map G-620**



## Geology

The property is located within the Archean Schreiber-Hemlo Greenstone Belt that is part of the Abitibi-Wawa-Shebandowan Subprovince of the Superior Province. More specifically, it is situated on the western end of the north limb of the Hemlo synform and is dominated by south-west/north-east striking sequences of metavolcanic and metasedimentary rocks bounded to the north by the Gowan Lake Pluton. The supracrustal rocks consist principally of tholeiitic basaltic flows and subordinate turfs, intercalated with epiclastic arkosic wacke and siltstone. Feldspar porphyry dykes and sills intrude both volcanics and sediments.

## **Figure 2 - Property Geology, OGS Map #2614**



## Prospecting Targets

In 1996, Mick Stares, a prospector from Thunder Bay, found a piece of float that assayed 16.20 grams/ton gold approximately 400 meters west and down-ice of the Valley Lake claims in a mafic volcanic containing 20% pyrite. The source for this float has not been found. We believe the source for the float is on our property. In addition, the high-grade Kusins occurrence (10.7% zinc, 8.9% lead and 77.8 grams/ton silver) which W.T. Kusins discovered in 1962, requires further investigation.

## **Work Done**

The grid was established prior to survey execution and consisted of 5.975 line kilometers of cut grid lines. The grid lines were spaced at 100 meter intervals with the stations picketed at 25m intervals with a baseline running at 90°N for a distance of 1800m. The magnetic and VLF EM surveys were conducted with a GSM-19 v7 Overhauser magnetometer with a second GSM-19 v7 Overhauser magnetometer as base station for diurnal correction. A total of 5.975 line kilometers of magnetometer/VLF EM survey was read on the 20th of August, 2010. This consisted of approximately 478 magnetometer/VLF EM samples with a 12.5m sample interval.

Prospecting over the grid was performed between April 12th and October 12th. A total of 28 samples were collected from the property during the field season. Harold Griggs, of Marathon, Ontario assisted the author with all of the traverses.

## **Prospecting Daily Log**

<u>Date</u>	<u>Work Performed</u>
Apr 12	- sampled an exposed rusty zone along a ridge on the east side of a local logging road just east of Valley Lake - took 2 samples (VL1-2); traverse along the north-east side of Valley Lake.
Apr 20	- traverse south of Valley Lake towards the south end of claims; no samples of interest.
Apr 21	- traverse about 1 km east of Valley Lake in vicinity of EM conductor; no areas of interest located; the staker came in on the same trip to add more claims and grabbed two samples of rusty rock along the Black River (VL3-4).
May 7	- traverse along very old logging road accessing north part of claim block; no samples of interest.
Aug 4	- prospected grid lines L12E, L13E and L14E on north side of baseline - took one sample (VL5).
Aug 19	- prospected grid lines L12E, L13E and L14E on south side of baseline - took two samples (VL6-7).
Sep 20	- Pat sampled area of old pits, while Harold prospected L15E to L18E - took a total of seven samples (VL8-14).
Oct 1	- prospected area near pits located from previous traverse and located more old pits - took nine samples (VL15-23).
Oct 12	- concentrated on Simoneau trenches 1-3 to uncover high-grade mineralization - took five samples (VL24-28).

### Project Expenditures

<u>Date</u>	<u>Recipient</u>	<u>Explanation</u>	<u>Amount</u>
Apr 30	ALS Canada Ltd.	rock sample assays	\$ 174.55
Jul 28	Katrine Exploration	line cutting	\$ 5,085.00
Sep 3	Lader Geophysics	MAG, VLF & GPS survey	\$ 3,038.29
Oct 1	ALS Canada Ltd.	rock sample assays	\$ 409.14
Oct 12	ALS Canada Ltd.	rock sample assays	\$ 445.44
Nov 1	Patrick Dick	9 days travel (1,800 km)	\$ 900.00
Nov 1	Patrick Dick	9 days food (lunches)	\$ 225.00
Nov 1	Harold Griggs	9 days helper	\$ 2,250.00
Nov 8	ALS Canada Ltd.	rock sample assays	\$ 202.34
Nov 13	Patrick Dick	Report writing	\$ 500.00
Total:			<b>\$13,229.76</b>
Grant:			\$10,000.00

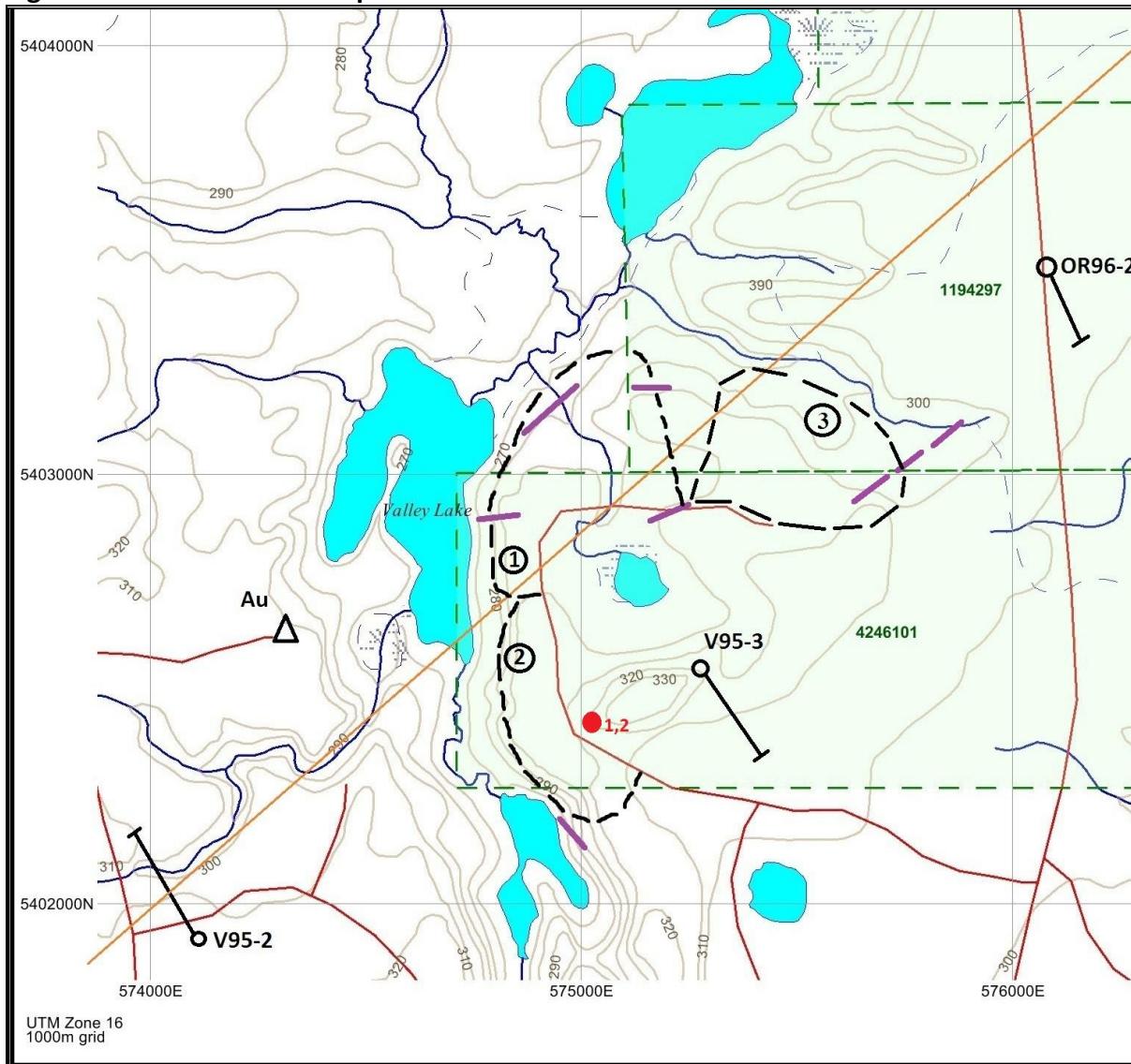
### Sample Locations and Descriptions

Number	Location	Rock Type	Description	Trench	Grid Coordinates
VL-2010-1	575032E, 5402415N	sediment	highly sheared, 10% pyrite, non-magnetic, rusty		
VL-2010-2	575057E, 5402405N	sediment	finely sheared, layered, non magnetic, 1% fine disseminated pyrite		
VL-2010-3	578221E, 5404764N	felsic volcanic	sheared, folded, rusty, calcite on fractures, sericitic on shear planes, 8-10% pyrite with minor cpy and moly, non-magnetic		
VL-2010-4	578221E, 5404764N	felsic volcanic	contact with sediment (quartzite), rusty, magnetic, sericitic on shear planes, 8% pyrite, minor pyrrhotite and moly		
VL-2010-5	577334E, 5404113N	sediment	highly sheared, rusted, 20-25% py, non-magnetic		12+95E, BLO
VL-2010-6	577240E, 5404034N	felsic volcanic	lightly porphyritic, sheared, non-magnetic, 15-20% py		
VL-2010-7	577332E, 5403951N	felsic volcanic	lightly porphyritic, highly sheared, rusted, non-magnetic, 15-20% py		
VL - 2010-8	577282E, 5404079N	quartzite	highly sheared, 10-15% py, finely disseminated and thin veinlets up to 4mm wide, small clear quartz eyes, lightly flattened, non-magnetic, rusted, minor sericite		

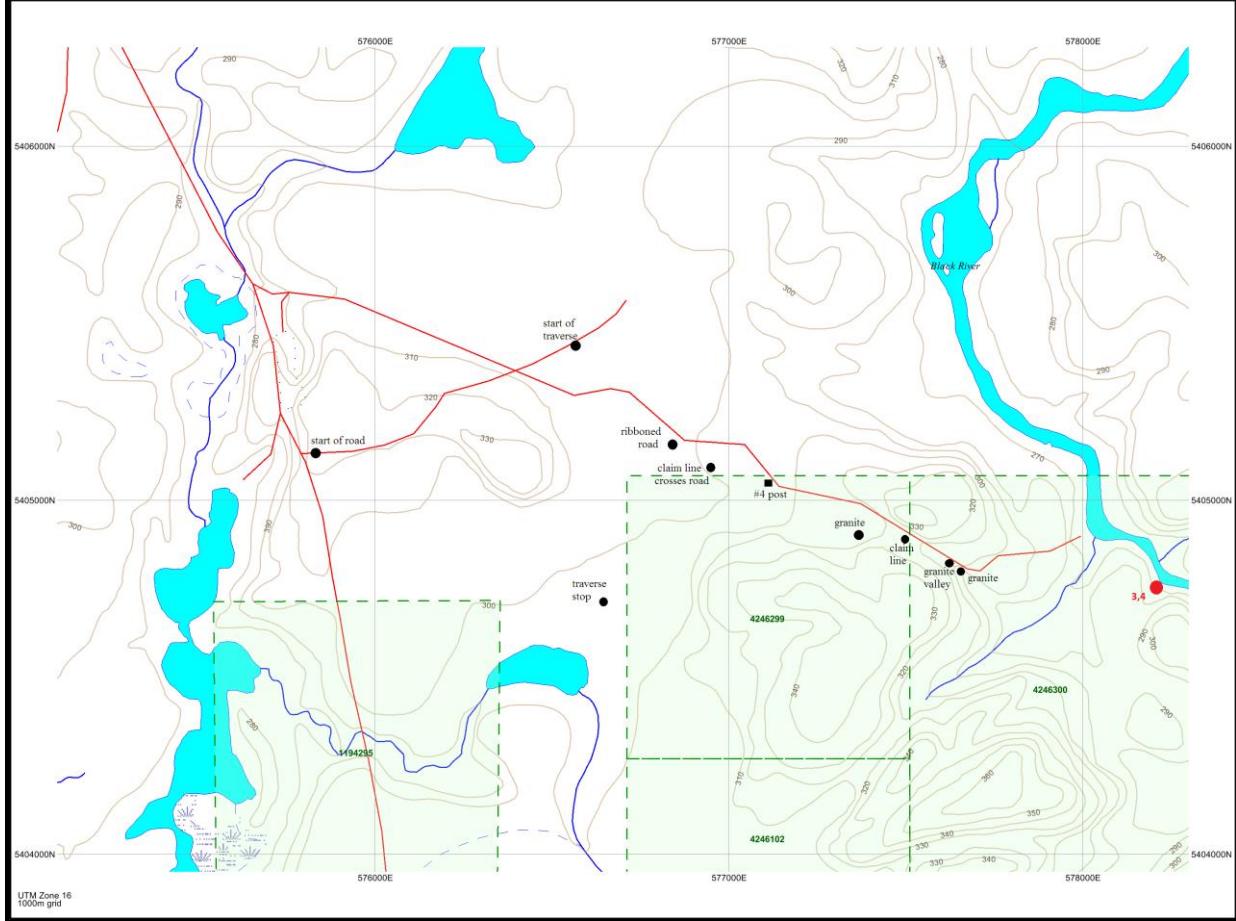
Number	Location	Rock Type	Description	Trench	Grid Coordinates
VL - 2010-9	577285E, 5404073N	quartzite	highly mineralized, 35-40% py, finely disseminated and in small veins, non-magnetic, rusted		
VL - 2010-10	577296E, 5404096N	quartzite	10% py, highly sheared, rusted, non-magnetic		
VL - 2010-11	577285E, 5404085N	felsic volcanic	lightly rusted, 8-10% py, fairly massive rock, heavy, light calcite on fractures, non-magnetic		
VL - 2010-12	577296E, 5404070N	felsic volcanic	highly sheared, folded, altered, 40-50% py in masses and seams, non-magnetic, heavy		
VL - 2010-13	577536E, 5404212N	mafic volcanic	sheared, rusted, 5-6% py, non-magnetic		
VL - 2010-14	577764E, 5404593N	mafic volcanic	sheared, 3% py, non magnetic		
VL - 2010-15	577305E, 5404092N	felsic volcanic	sugar quartz, sheared, rusted, 20% pyrite, Quartz blebs have 5 mm pyrite cubes, non-magnetic	trench 1	12+75E, 0+35S
VL - 2010-16	577299E, 5404089N	felsic volcanic	sheared, 10% pyrite, non-magnetic, rusty	trench 1	12+75E, 0+35S
VL - 2010-17	577287E, 5404078N	felsic volcanic	sheared, sugar quartz with seams of 25-30% pyrite, fine black mineral (not graphite), non-magnetic		
VL - 2010-18	577289E, 5404082N	felsic volcanic	minor rust, sheared, 10% pyrite, non-magnetic		
VL - 2010-19	577287E, 5404096N	felsic fragmental	highly altered, fractured, fine-grained fragmental (brecciated?), fine soft black matrix with small quartz fragments and blobs of pyrite, non-magnetic, carbonate on fractures, 10-12% pyrite		
VL - 2010-20	577291E, 5404093N	felsic fragmental	same as #19, non-magnetic, 25 - 30% pyrite		
VL - 2010-21	577363E, 5404113N	mafic volcanic	sheared, fine to medium grained, gray, calcite on fractures, 8% pyrite, non-magnetic		13+35E, BL0
VL - 2010-22	577308E, 5404087N	IF	quartz and pyrite-rich, 35- 40 % pyrite, highly rusted, sheared, non-magnetic, very heavy		
VL - 2010-23	577339E, 5404110N	mafic volcanic	highly sheared, dark gray to black, rusty, 8% pyrite, magnetic in places		12+90E, BL0
VL - 2010-24	577404E, 5404082N	felsic volcanic	sheared , 4-5% py, non-magnetic, highly rusted, heavy		
VL - 2010-25	577309E, 5404100N	felsic volcanic	sheared, quartz vein, 1 mm to 1 cm on fractures, non-magnetic, rusted, 8-10% py on seams, disseminated throughout	trench 2	12+80E, 0+25S

Number	Location	Rock Type	Description	Trench	Grid Coordinates
VL - 2010-26	577311E, 5404100N	felsic volcanic	highly rusted, sheared, fractured, sugary quartz, highly carbonated in places, non-magnetic, 5-6% py, disseminated throughout, hematite staining in seams, 1 small feldspar crystal 2mm-5mm	trench 2	12+80E, 0+25S
VL - 2010-27	577311E, 5404102N	felsic volcanic	sheared, rusted, non-magnetic, carbonated on fractures, 1% sulfide	trench 2	12+80E, 0+25S
VL - 2010-28	577316E, 5404104N	felsic volcanic	sheared, fine-grained, pyritic zone with small cubes 2mm-5mm, light pink to cream white quartz vein, non-magnetic, 75% fine py, like sand	trench 3	12+85E, 0+20S

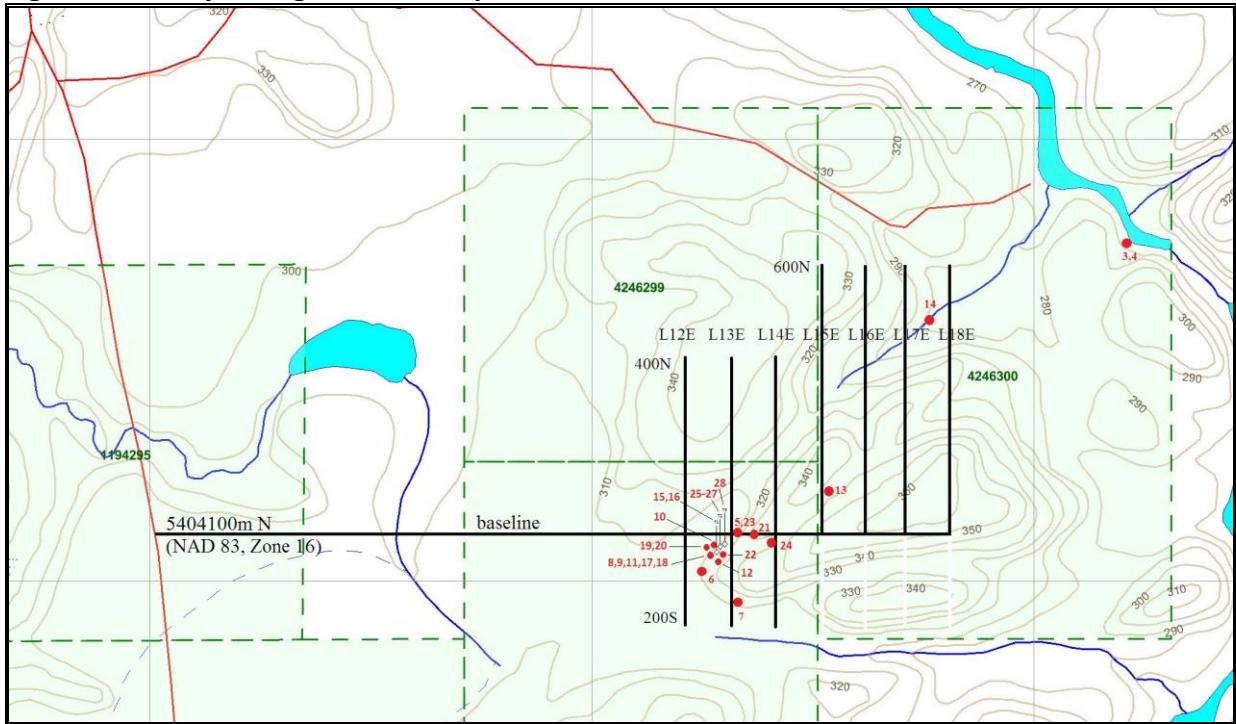
Figure 3 - Recon traverse - April 2010



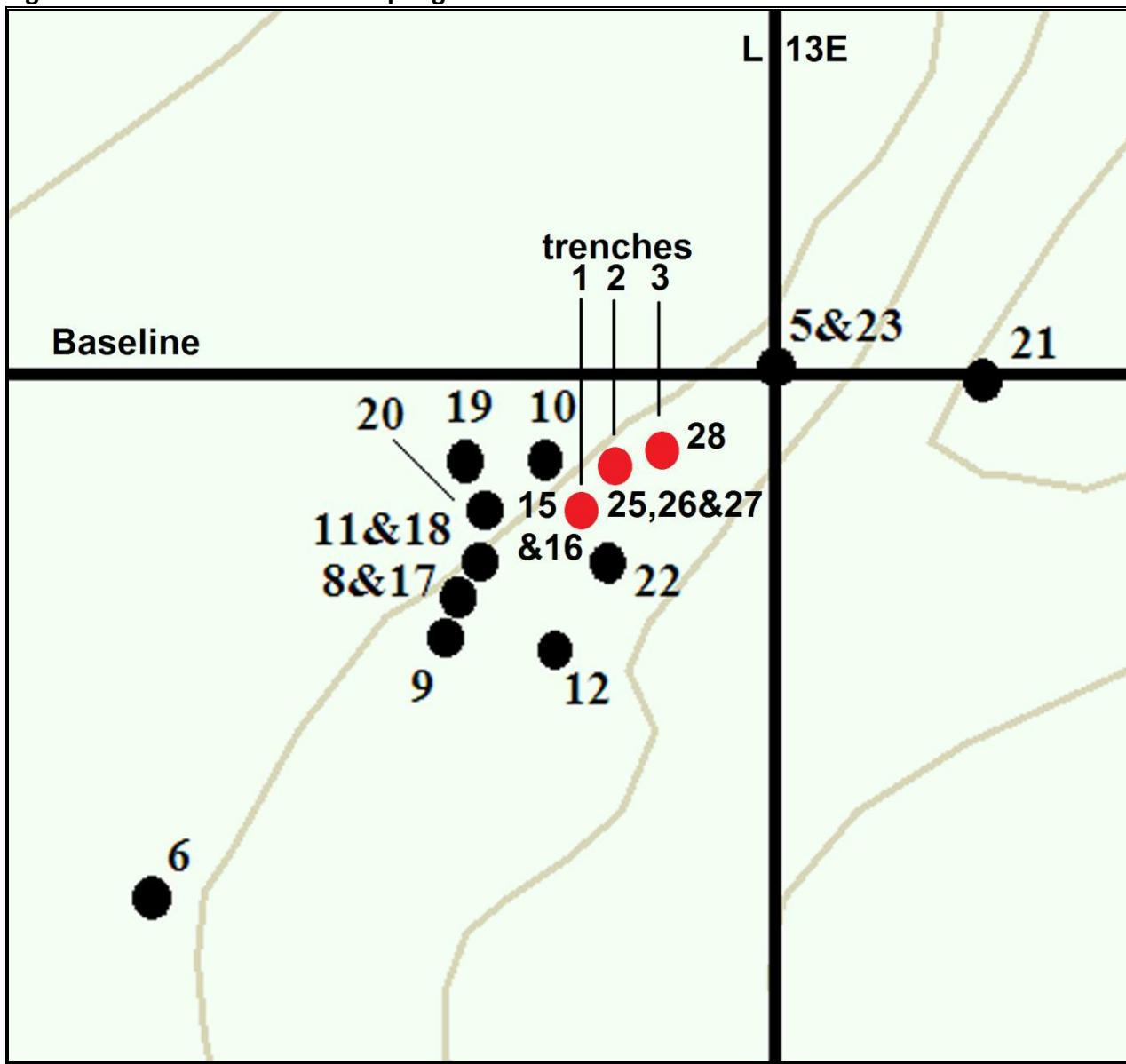
## **Figure 4 - Recon traverse - May 2010**



## **Figure 5 - Valley Lake grid with samples**



**Figure 6 - Main Trench Area sampling**



#### **Results and Recommendations**

The Valley Lake property covers 4.5 kilometers of a favourable horizon for silver, lead, zinc and gold mineralization. The high-grade Kusins occurrence (10.7% zinc, 8.9% lead and 77.8 grams/ton silver) which W.T. Kusins discovered in 1962 occurs within this horizon. Pits dug by Kusins in 1962 and further pits and trenches dug by Simoneau in 1990/91 were located by prospecting the grid area. The three main pits, numbered 1-3, were located just south and west of where L13E intersects the baseline (see Figure 4). The pit rocks are felsic volcanic and are highly rusted, sheared, fractured and exhibit minor carbonate alteration. They tend to have a sugary quartz texture and are generally non-magnetic, containing between 5-20% disseminated pyrite with occasional hematite staining in seams and/or small feldspar crystals.

The best results from the general pit area include:

Sample #19 - 0.77% zinc, 0.73% lead, 0.7 g/t silver, 38 ppb gold

Sample #20 - 0.15% zinc, 0.31% lead, 1.7 g/t silver, 143 ppb gold

Similar-looking rocks were located 1.1 km on strike from the pits along the west bank of the Black River by the staking crew. Sample #3 returned 0.26% zinc and 0.16% lead. This suggests the mineralized horizon has some strike potential.

It is also important to note that prospecting by Simoneau in 1993 in an area 150 meters north of the Kusins Occurrence showed a brecciated intrusive texture at the contact with foliated mafic rocks and the Gowan Lake (monzonite) Pluton. Due to the inexperience of the prospectors in recognizing this type of alteration/deformation, little time was spent in this area. However, this may be a widespread feature and could be significant and should be followed up by a geologist.

Mafic volcanic-hosted gold float (16.2 g/t) found by M. Stares just 400 meters west of the property suggest that the mafic volcanics which overlie this felsic horizon may be enriched in gold. Prospecting along the western boundary of the property along strike of this assumed horizon turned up very little of interest. Prospecting was hampered by abundant overburden. Traverses were confined to ridges, but even the 'ridges' turned out to be esker-type features. Drilling would be the only option to locate the gold-bearing mafic unit.

The property is currently available for option and is being reviewed by a number of companies.

Yours truly,

Patrick Dick

# Appendix 1

## Analytical Results

## Appendix 2

### Invoices

## Valley Lake Property Grid – July 2010

Grid  
Datum

UTM  
NAD83

Header	Name	Position
Waypoint	BLO - Start Point	16 U 576034 5404099
Waypoint	BLO 12E	16 U 577235 5404119
Waypoint	BLO 13E	16 U 577333 5404114
Waypoint	BLO 14E	16 U 577425 5404132
Waypoint	BLO 15E	16 U 577525 5404121
Waypoint	BLO 16E	16 U 577625 5404127
Waypoint	BLO 17E	16 U 577723 5404114
Waypoint	BLO 18E	16 U 577805 5404129
Waypoint	L12E 2S	16 U 577226 5403921
Waypoint	L12E 4N	16 U 577334 5404511
Waypoint	L13E 2S	16 U 577327 5403930
Waypoint	L13E 4N	16 U 577431 5404508
Waypoint	L14E 2S	16 U 577423 5403917
Waypoint	L14E 4N	16 U 577539 5404494
Waypoint	L15E 6N	16 U 577622 5404681
Waypoint	L16E 6N	16 U 577709 5404710
Waypoint	L17E 6N	16 U 577785 5404704
Waypoint	L18E 6N	16 U 577804 5404704



ALS Canada Ltd.  
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Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: FOWLER, BRIAN  
APT. 17, 30 ALEXANDER AVE.  
GENERAL DELIVERY  
PINAWA MB ROE 1LO

Page: 1  
Finalized Date: 12-OCT-2010  
Account: KBS

## CERTIFICATE TB10144936

Project: VALLEY LAKE

P.O. No.:

This report is for 10 Rock samples submitted to our lab in Thunder Bay, ON, Canada on 6-OCT-2010.

The following have access to data associated with this certificate:

BRIAN FOWLER

### SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
DRY-21	High Temperature Drying
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

### ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES
PGM-ICP23	Pt, Pd, Au 30g FA ICP	ICP-AES

To: FOWLER, BRIAN  
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

  
Colin Ramshaw, Vancouver Laboratory Manager



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## Project: VALLEY LAKE

**CERTIFICATE OF ANALYSIS TB10144936**

Sample Description	Method	WEI-21	PGM-ICP23	PGM-ICP23	PGM-ICP23	ME-ICP41										
	Analyte	Revd Wt.	Au	Pt	Pd	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr
	Units	kg	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
LOR		0.02	0.001	0.005	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1
LS-2010-08		2.69	0.001	0.012	0.011	0.2	2.68	6	<10	30	<0.5	<2	0.16	<0.5	54	512
VL-2010-15		2.15	0.036	<0.005	<0.001	<0.2	1.50	17	<10	20	<0.5	<2	0.74	<0.5	16	21
VL-2010-16		1.32	0.013	<0.005	<0.001	0.3	1.59	7	<10	10	<0.5	<2	0.83	<0.5	29	31
VL-2010-17		2.65	0.086	<0.005	<0.001	0.4	1.29	13	<10	20	<0.5	<2	0.16	<0.5	17	15
VL-2010-18		0.99	0.007	<0.005	<0.001	0.2	0.82	9	<10	10	<0.5	<2	0.40	<0.5	17	20
VL-2010-19		2.05	0.038	<0.005	<0.001	0.7	3.83	27	<10	10	0.9	<2	0.96	16.3	26	37
VL-2010-20		2.37	0.143	<0.005	<0.001	1.7	3.08	45	<10	20	<0.5	<2	0.08	2.5	23	19
VL-2010-21		1.20	0.002	<0.005	0.001	0.2	1.33	<2	<10	10	<0.5	<2	1.20	<0.5	42	25
VL-2010-22		2.44	0.111	<0.005	<0.001	0.6	0.90	21	<10	20	<0.5	<2	0.28	<0.5	17	13
VL-2010-23		0.99	0.013	<0.005	0.001	0.3	1.59	2	<10	10	<0.5	<2	0.73	<0.5	56	33



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## CERTIFICATE TB10136547

Project: Valley Lake

P.O. No.:

This report is for 10 Rock samples submitted to our lab in Thunder Bay, ON, Canada on 24-SEP-2010.

The following have access to data associated with this certificate:

BRIAN FOWLER

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES
PGM-ICP23	Pt, Pd, Au 30g FA ICP	ICP-AES

To: FOWLER, BRIAN  
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

  
Colin Ramshaw, Vancouver Laboratory Manager



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## Project: Valley Lake

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Phone: 604 984 0221 Fax: 604 984 0218 www.alschemex.com**CERTIFICATE TB10051190**

Project: 2010 RECON

P.O. No.:

This report is for 17 Rock samples submitted to our lab in Thunder Bay, ON, Canada on  
25-APR-2010.

The following have access to data associated with this certificate:

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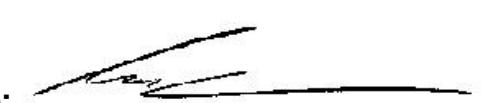
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<b>SAMPLE PREPARATION</b>	
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<b>ANALYTICAL PROCEDURES</b>		
ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES
ME-OG46	Ore Grade Elements - AquaRegia	ICP-AES
Pb-OG46	Ore Grade Pb - Aqua Regia	VARIABLE
Zn-OG46	Ore Grade Zn - Aqua Regia	VARIABLE
PGM-ICP23	Pt, Pd, Au 30g FA ICP	ICP-AES

To: **FOWLER, BRIAN**  
**APT. 17, 30 ALEXANDER AVE.**  
**GENERAL DELIVERY**  
**PINAWA MB R0E 1L0**

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**Signature:**  
Colin Ramshaw, Vancouver Laboratory Manager



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**CERTIFICATE OF ANALYSIS TB10051190**

Sample Description	Method	WEI-21	PGM-ICP23	PGM-ICP23	PGM-ICP23	ME-ICP41											
	Analyte	Recv'd Wt.	Au	Pt	Pd	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	
	Units	kg	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
	LOR	0.02	0.001	0.005	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	
JF-2010-01		1.21	<0.001	<0.005	0.001	<0.2	1.69	2	<10	<10	<0.5	<2	1.00	<0.5	56	91	
JF-2010-02		2.02	0.002	<0.005	0.001	0.3	1.22	9	<10	30	<0.5	<2	0.73	<0.5	72	69	
JF-2010-03		1.74	0.022	<0.005	<0.001	0.2	1.50	18	<10	10	<0.5	<2	0.67	0.5	112	78	
JF-2010-04		1.23	0.002	<0.005	0.001	<0.2	1.24	6	<10	50	<0.5	<2	1.50	<0.5	54	66	
JF-2010-05		0.92	0.001	<0.005	<0.001	<0.2	3.98	<2	<10	<10	<0.5	<2	0.33	<0.5	17	8	
JF-2010-06		1.46	0.003	<0.005	<0.001	<0.2	0.04	<2	<10	<10	<0.5	<2	0.09	<0.5	<1	8	
JF-2010-07		0.97	0.001	<0.005	0.001	<0.2	1.95	3	<10	50	<0.5	<2	1.19	<0.5	77	67	
JF-2010-08		1.10	0.004	<0.005	0.001	0.2	1.92	5	<10	<10	<0.5	<2	0.98	<0.5	69	82	
JF-2010-09		1.09	0.004	<0.005	0.002	<0.2	1.68	5	<10	50	<0.5	<2	0.89	<0.5	75	89	
JF-2010-10		0.92	0.002	<0.005	0.001	0.3	1.11	<2	<10	<10	<0.5	<2	0.26	<0.5	39	25	
LS-2010-01		2.06	0.001	0.007	0.009	<0.2	3.70	3	<10	<10	<0.5	<2	4.43	<0.5	39	566	
LS-2010-02		2.10	0.001	0.005	0.004	<0.2	3.63	2	<10	<10	<0.5	<2	2.76	<0.5	41	358	
LS-2010-03		2.97	0.021	<0.005	<0.001	27.7	0.40	93	<10	<10	<0.5	<2	8.64	128.0	20	9	
VL-2010-01		1.45	<0.001	<0.005	0.001	<0.2	0.51	<2	<10	20	<0.5	<2	0.48	<0.5	3	61	
VL-2010-02		1.03	<0.001	<0.005	0.001	<0.2	1.03	<2	<10	10	<0.5	<2	0.88	0.6	12	38	
VL-2010-03		2.09	0.001	<0.005	<0.001	0.4	1.02	5	<10	<10	<0.5	<2	0.35	4.4	16	80	
VL-2010-04		2.18	<0.001	<0.005	<0.001	0.2	0.59	<2	<10	10	<0.5	<2	0.19	<0.5	12	41	



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**CERTIFICATE OF ANALYSIS TB10051190**

Sample Description	Method Analyte Units LOR	ME-ICP41														
		Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb
		ppm	%	ppm	ppm	%	ppm	0.01	ppm	ppm	%	ppm	ppm	ppm	%	ppm
JF-2010-01		48	7.07	10	<1	0.04	10	1.09	1210	<1	0.09	223	1410	3	3.25	<2
JF-2010-02		63	8.21	10	<1	0.14	<10	0.62	246	<1	0.07	230	950	<2	6.69	<2
JF-2010-03		58	16.4	10	<1	0.10	<10	0.78	355	<1	0.07	144	1070	<2	>10.0	2
JF-2010-04		72	6.30	<10	<1	0.13	<10	0.35	433	<1	0.12	200	990	<2	4.97	<2
JF-2010-05		19	10.15	10	1	0.04	<10	2.15	2040	<1	0.02	4	740	<2	1.07	<2
JF-2010-06		3	3.38	<10	<1	<0.01	<10	0.02	282	<1	0.01	<1	20	<2	0.12	<2
JF-2010-07		72	5.23	10	<1	0.12	10	0.64	226	<1	0.23	191	1340	<2	3.45	<2
JF-2010-08		130	7.62	10	<1	0.06	<10	0.88	523	<1	0.07	240	1230	3	5.23	<2
JF-2010-09		148	7.61	10	<1	0.25	<10	0.76	443	<1	0.11	264	1110	<2	5.55	<2
JF-2010-10		249	4.74	<10	<1	0.02	<10	1.07	247	3	0.05	88	400	<2	2.65	<2
LS-2010-01		42	5.10	10	1	0.01	<10	3.54	1035	<1	0.02	203	180	<2	0.03	<2
LS-2010-02		96	6.23	10	1	0.01	<10	4.81	714	<1	0.03	88	320	5	1.94	<2
LS-2010-03		77	4.96	<10	8	0.02	<10	0.67	357	31	0.05	41	250	>10000	7.56	34
VL-2010-01		8	2.26	10	<1	0.10	10	0.48	101	<1	0.10	10	1540	72	0.62	<2
VL-2010-02		46	2.10	<10	<1	0.09	<10	0.66	276	<1	0.09	22	440	130	0.13	<2
VL-2010-03		84	2.02	10	1	0.04	10	0.73	310	1	0.09	41	440	1570	0.42	2
VL-2010-04		28	2.08	<10	<1	0.08	10	0.36	218	1	0.06	26	200	20	0.85	<2



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**CERTIFICATE OF ANALYSIS TB10051190**

Sample Description	Method	ME-ICP41	Pb-OG46	Zn-OG46								
	Analyte	Sc	Sr	Th	Ti	Tl	U	V	W	Zn	Pb	Zn
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	
Method	Sc	Sr	Th	Ti	Tl	U	V	W	Zn	Pb	Zn	LOR
Sample Description	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	%	
ppm	1	1	20	0.01	10	10	1	10	2	0.001	0.001	
JF-2010-01	5	18	<20	0.34	<10	<10	100	<10	431			
JF-2010-02	6	22	<20	0.27	<10	<10	92	<10	139			
JF-2010-03	6	28	<20	0.19	<10	<10	96	<10	113			
JF-2010-04	5	37	<20	0.34	<10	<10	79	<10	111			
JF-2010-05	5	7	<20	0.11	<10	<10	141	<10	149			
JF-2010-06	<1	1	<20	0.01	<10	<10	4	<10	5			
JF-2010-07	5	51	<20	0.23	<10	<10	79	<10	80			
JF-2010-08	5	34	<20	0.34	<10	<10	94	<10	95			
JF-2010-09	7	24	<20	0.33	<10	<10	97	<10	172			
JF-2010-10	6	15	<20	0.10	<10	<10	28	<10	49			
LS-2010-01	3	21	<20	0.22	<10	<10	66	<10	61			
LS-2010-02	25	54	<20	0.01	<10	<10	171	<10	89			
LS-2010-03	3	348	<20	<0.01	<10	<10	4	10	>10000	2.97	2.06	
VL-2010-01	1	50	<20	0.21	<10	<10	36	<10	98			
VL-2010-02	4	19	<20	0.24	<10	<10	61	<10	115			
VL-2010-03	4	7	<20	0.07	<10	<10	52	<10	2550			
VL-2010-04	3	10	<20	0.05	<10	<10	32	<10	76			



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## CERTIFICATE TB10156019

Project: VALLEY LAKE

P.O. No.:

This report is for 5 Rock samples submitted to our lab in Thunder Bay, ON, Canada on 28-OCT-2010.

The following have access to data associated with this certificate:

BRIAN FOWLER

### SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

### ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES

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Signature:

  
Colin Ramshaw, Vancouver Laboratory Manager



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Project: VALLEY LAKE

CERTIFICATE OF ANALYSIS TB10156019

Sample Description	Method Analyte Units LOR	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Revd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %
VL-2010-24		0.98	0.002	0.2	1.00	10	<10	40	<0.5	3	0.39	<0.5	15	24	11	4.16
VL-2010-25		0.96	0.009	0.8	1.56	21	<10	20	<0.5	3	0.38	<0.5	14	16	16	8.47
VL-2010-26		0.77	0.203	0.6	0.93	32	<10	10	<0.5	2	0.53	1.0	29	18	60	5.87
VL-2010-27		0.80	0.001	6.5	1.67	<2	<10	10	<0.5	2	0.99	0.7	16	128	25	3.50
VL-2010-28		0.65	0.034	0.5	0.11	97	<10	10	<0.5	3	0.02	<0.5	17	2	3	22.7



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CERTIFICATE OF ANALYSIS TB10156019

Sample Description	Method Analyte Units LOR	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K %	ME-ICP41 La ppm 10	ME-ICP41 Mg %	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na %	ME-ICP41 Ni ppm 0.01	ME-ICP41 P ppm 1	ME-ICP41 Pb ppm 10	ME-ICP41 S %	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1
VL-2010-24		10	<1	0.10	10	0.63	343	<1	0.03	28	1680	9	2.38	<2	4	12
VL-2010-25		10	<1	0.09	<10	0.92	419	1	0.03	22	270	4	7.5	<2	4	3
VL-2010-26		10	<1	0.04	<10	0.56	307	20	0.08	41	290	51	4.45	<2	6	4
VL-2010-27		10	<1	0.05	10	1.62	554	<1	0.05	42	560	620	0.23	<2	6	9
VL-2010-28		<10	<1	0.08	<10	0.01	6	<1	0.02	9	40	84	>10.0	<2	<1	1



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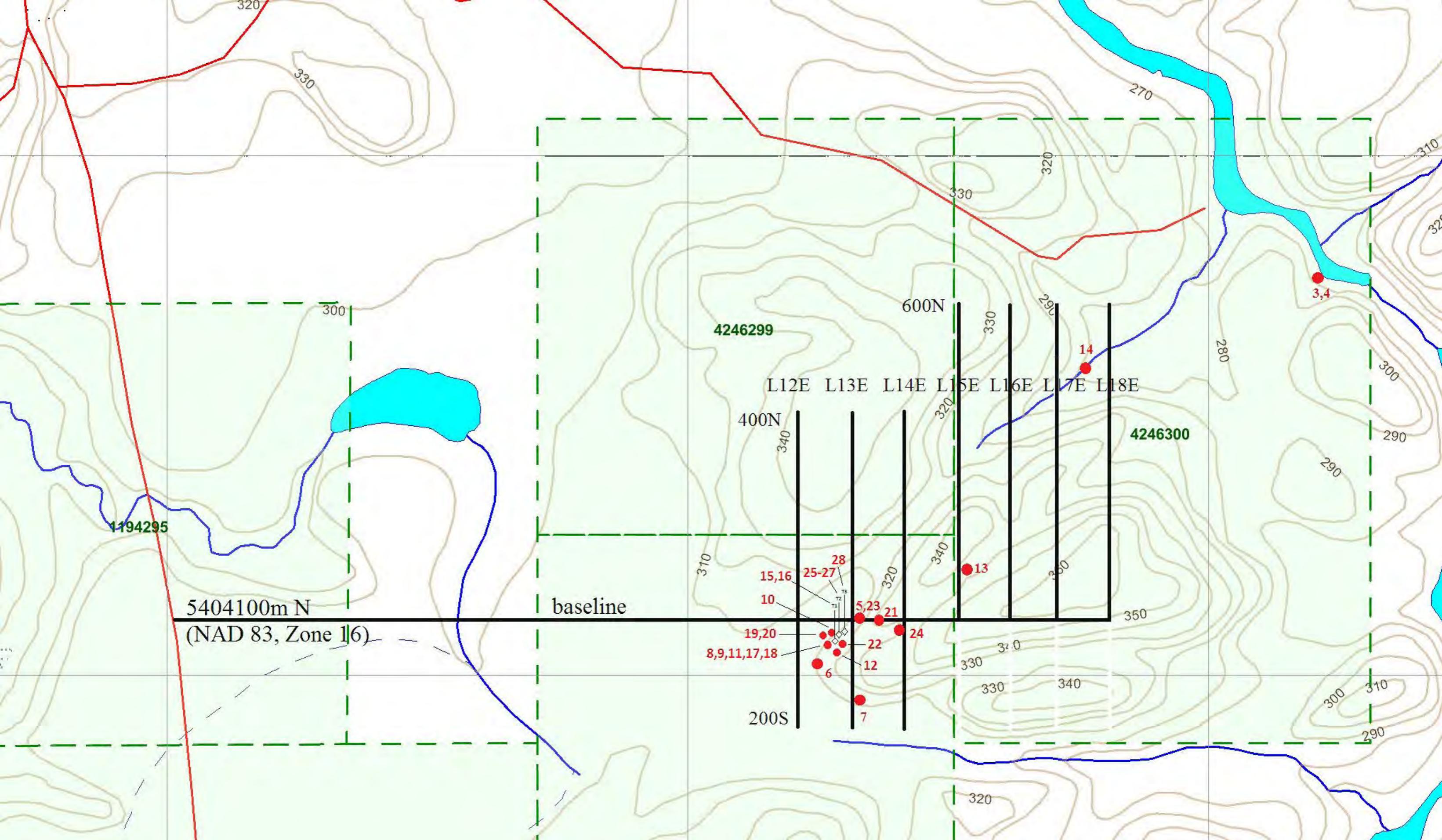
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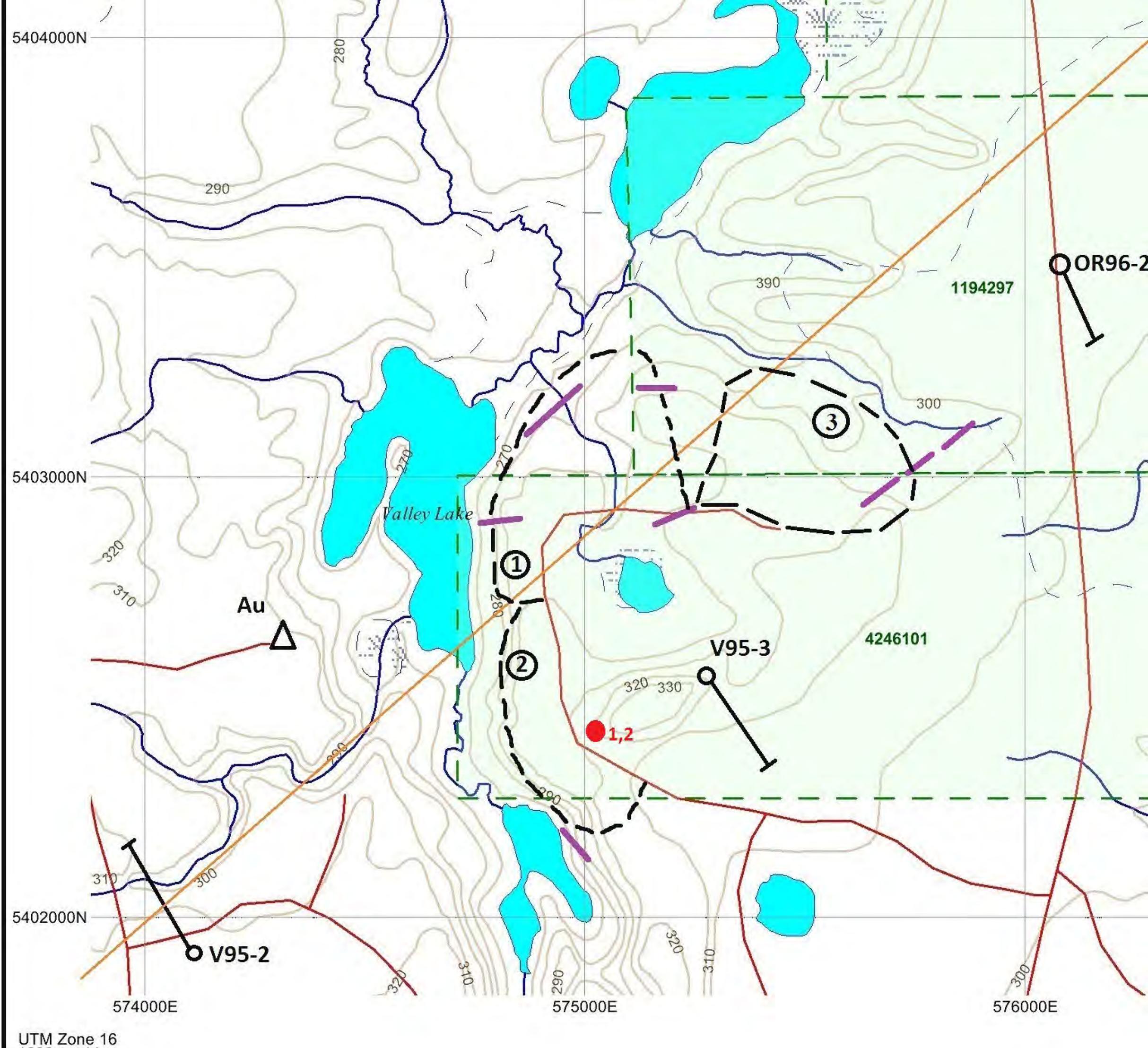
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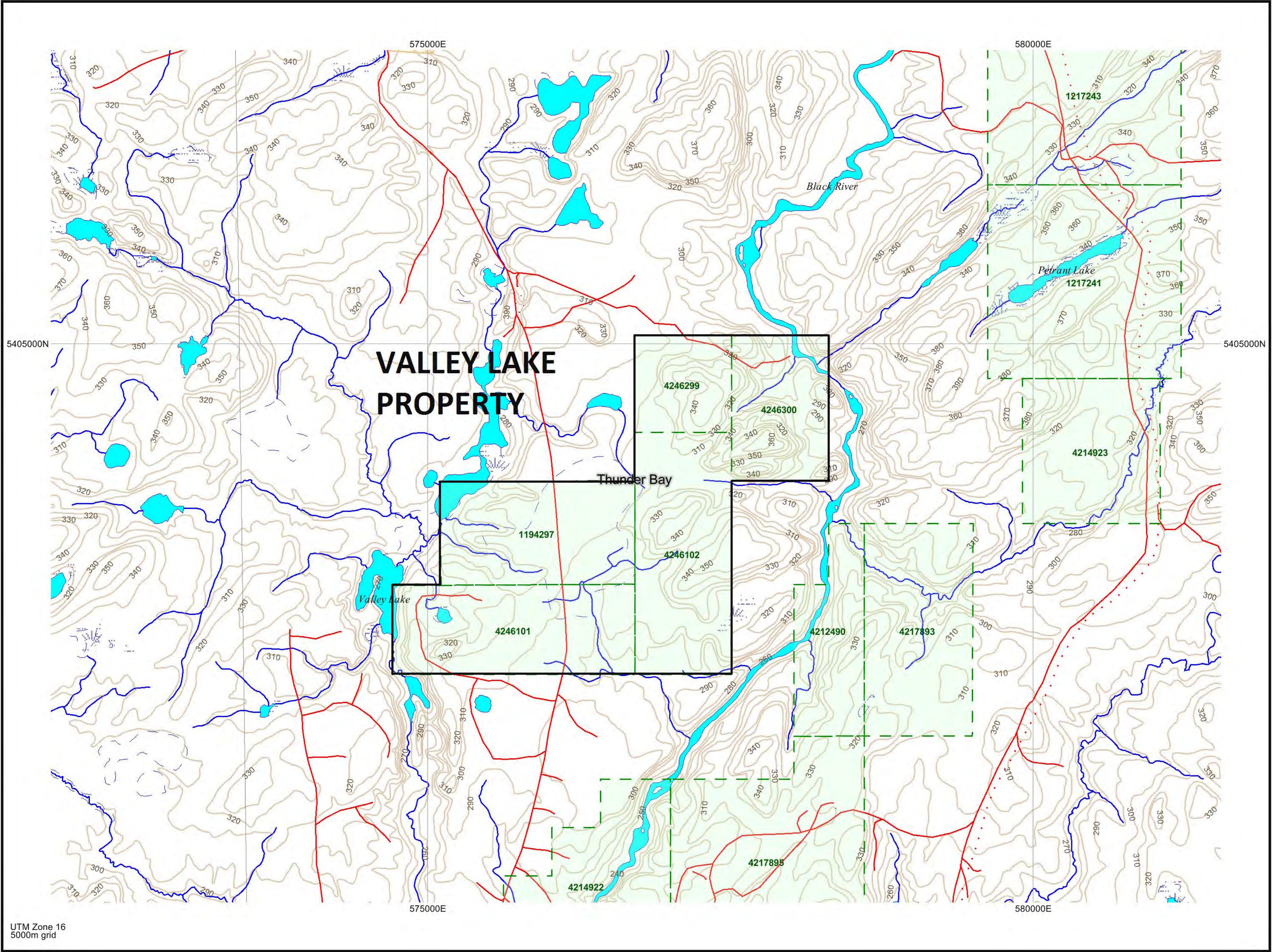
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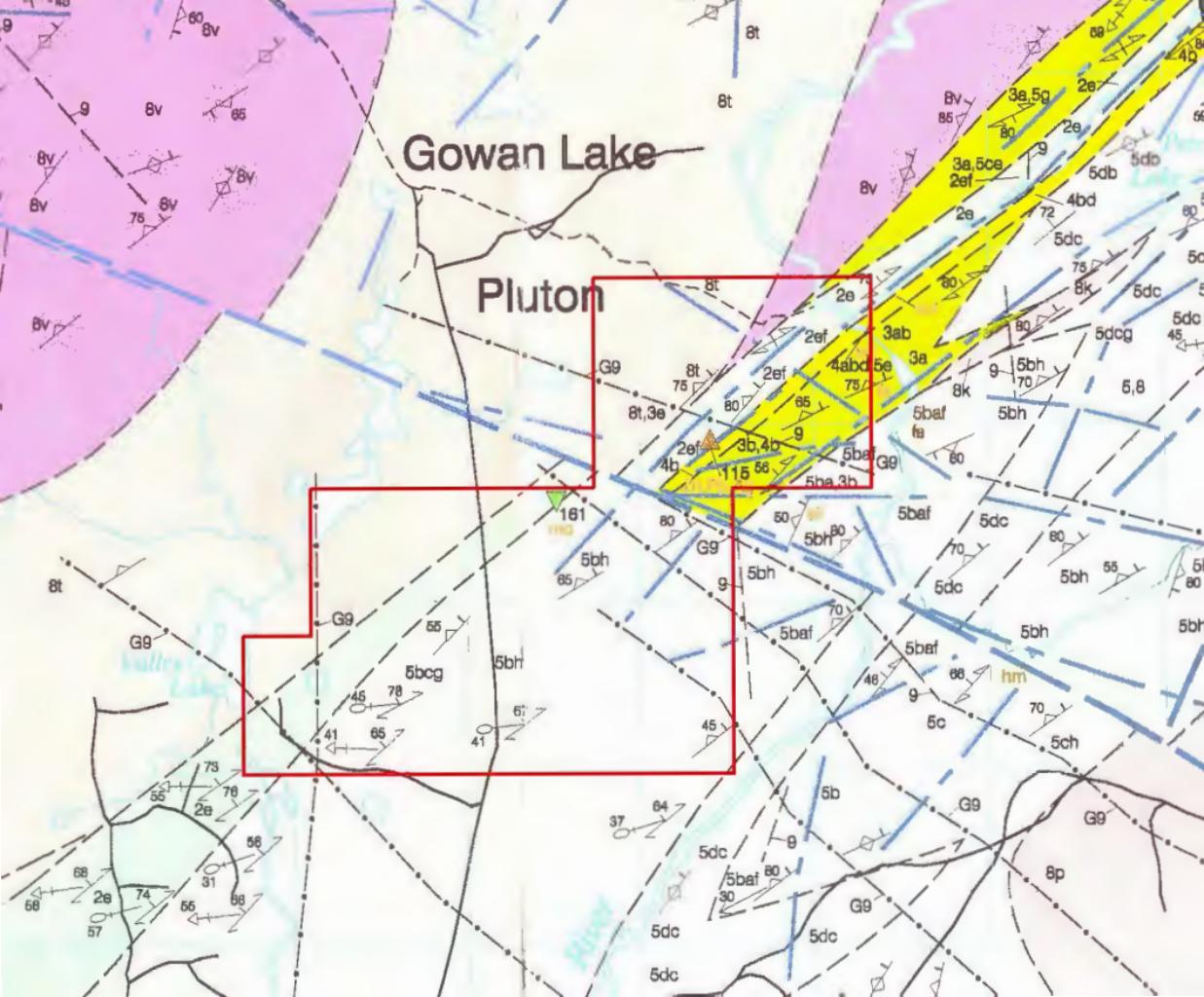
Sample Description	Method Analyte Units LOR	ME-ICP41 Th ppm 20	ME-ICP41 Ti % 0.01	ME-ICP41 Ti ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2
VL-2010-24		<20	0.10	<10	<10	55	<10	28
VL-2010-25		<20	0.08	<10	<10	29	<10	137
VL-2010-26		<20	0.08	<10	<10	45	<10	465
VL-2010-27		<20	0.20	<10	<10	89	<10	322
VL-2010-28		<20	0.06	<10	<10	3	<10	3

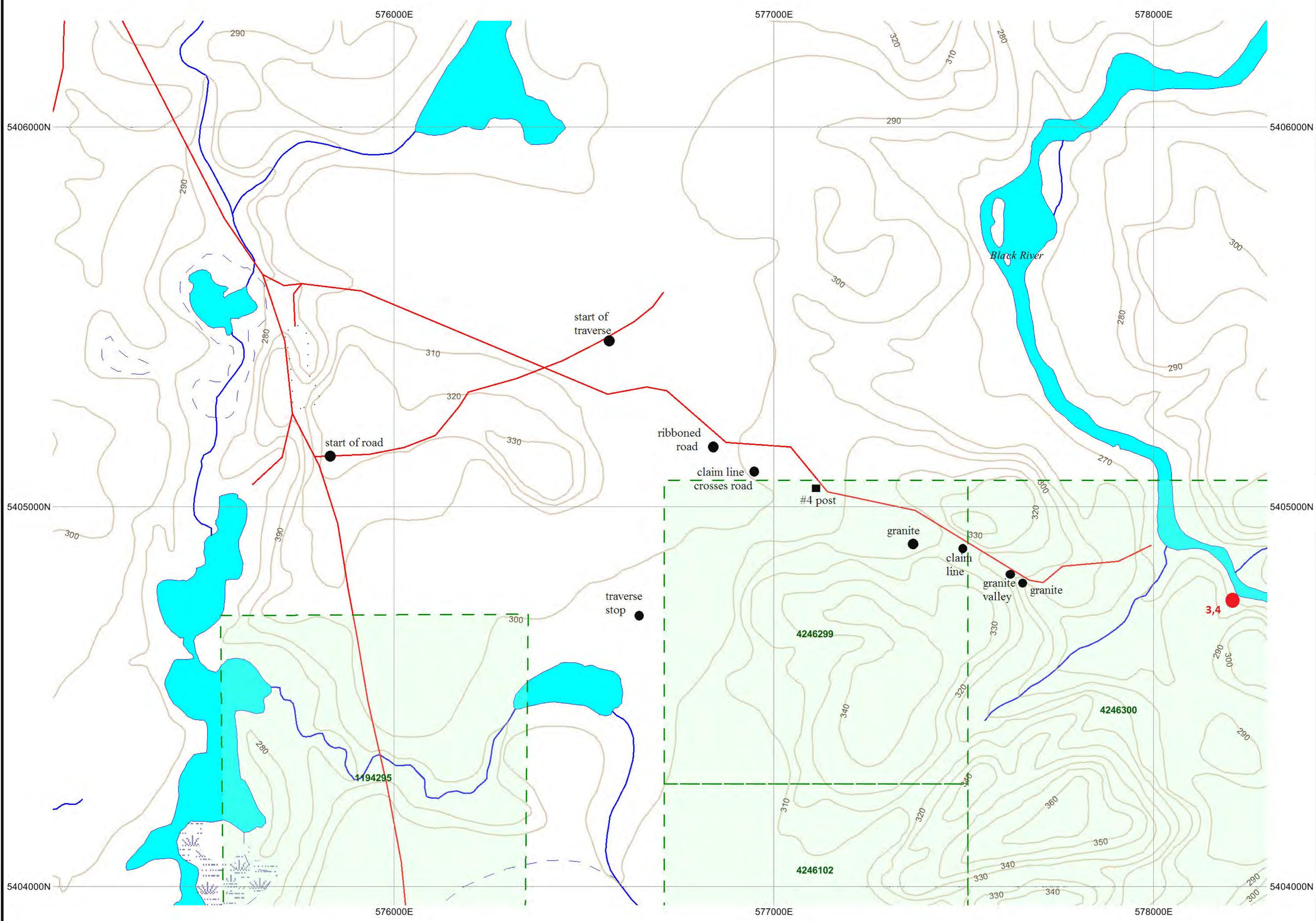


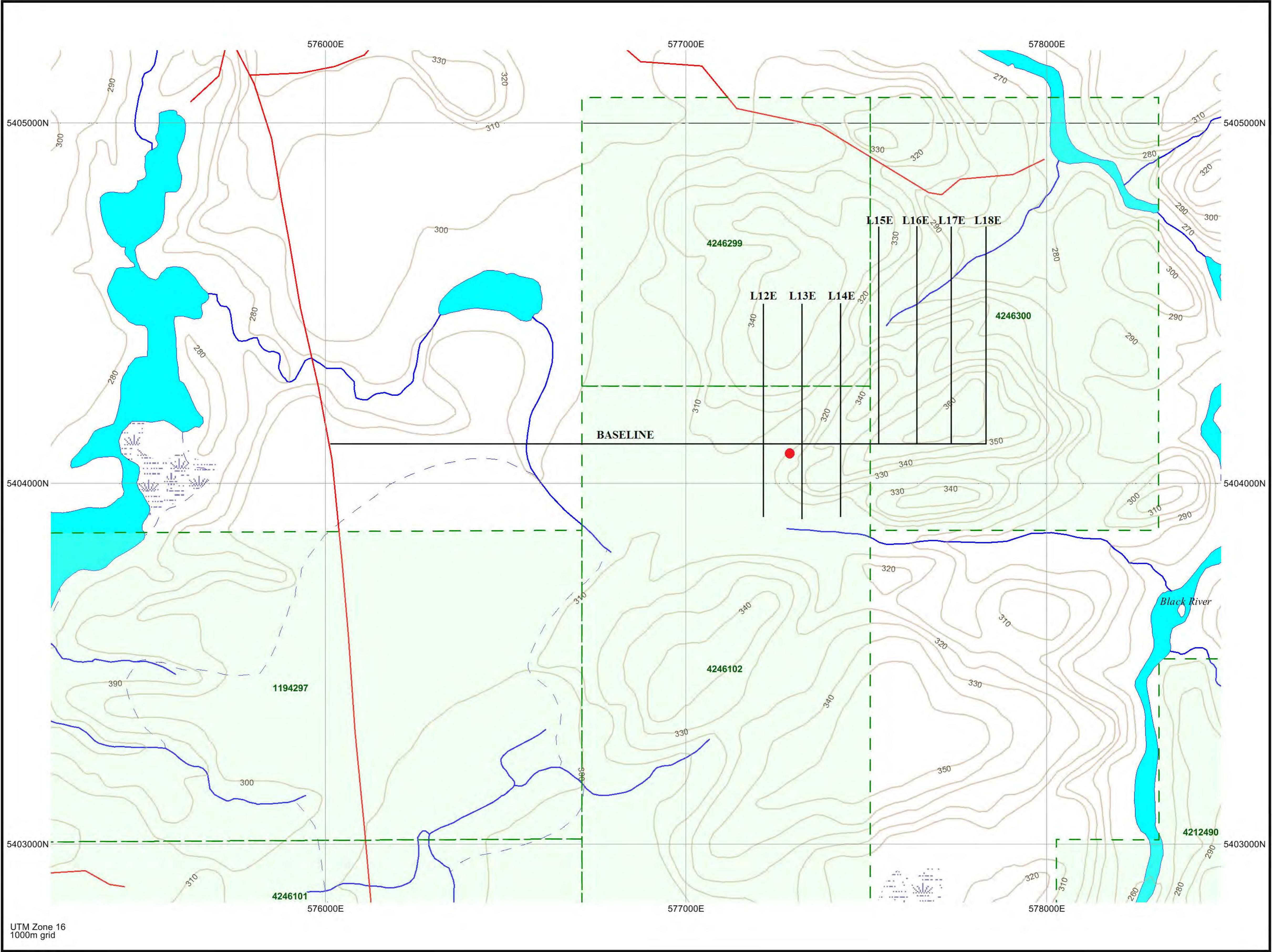


UTM Zone 16  
1000m grid









L 13E

Baseline

trenches

1 2 3

5&23

21

20 19 10

11&18  
8&17

9

15 25,26&27  
&16 22

28

12

6

