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REPORT
DIAMOND DRILLING PROGRAM
TK-12-01, TK-12-02, TK-12-03
TECK-KIRKLAND PROPERTY

Teck and Grenfell Townships
Larder Lake Mining Division
Province of Ontario
NTS Sheet 042A01
48°08' N., 80°08" W

Prepared for:
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Prepared By: Terry Link

January 29, 2013

TABLE OF CONTENTS

1.0 INTRODUCTION 3
2.0 PROPERTY DESCRIPTION, LOCATION AND ACCESS 3
3.0 HISTORY 6
3.1 Historical Exploration within the Southwest Block. 6
4.0 GEOLOGY 6
4.1 Regional Geology 6
4.2 Local Geology 6
4.3 Property Geology 7
5.0 DIAMOND DRILLING PROGRAM 7
6.0 BIBLIOGRAPHY 9

LIST OF TABLES

Table 5-1: Drill Hole Locations 9

LIST OF FIGURES

Figure 2-1: Location Map – Teck-Kirkland Property 4
Figure 2-2: Teck-Kirkland Property Claims 5
Figure 4-1: Local Geology 7

APPENDICES

APPENDIX

Drill Hole Logs

- TK-12-01
- TK-12-02
- TK-12-03

Assay Certificates

Sections

- Section TK-12-01; 1:1500
- Section TK-12-02; 1:4000
- Section TK-12-03; 1:2000

Maps

- Drill Hole Location Map; 1:5000
- DDH Locations & Geology; 1:10000

1.0 INTRODUCTION

A diamond drill program was completed in Grenfell Township by Opawica Explorations Inc. from November 11 2012 to January 3 2013. The drill program included 1,260 m of diamond drilling in 3 holes, core logging, core sawing, sampling and assaying. The objective of the drilling program was to test bedrock for gold mineralization within the Timiskaming rocks and syenite intrusions. Two holes were drilled to test IP anomalies +- soil anomalies, one hole was drilled to undercut an exposed alteration zone. Five hundred and eighty eight core samples were assayed for Au. The highest assay was 0.17 g/t Au.

2.0 PROPERTY DESCRIPTION, LOCATION AND ACCESS

The Teck-Kirkland property is located in Teck (G-3719) and Grenfell (G-3212) townships in the Larder Lake Mining Division of Ontario approximately 10km west of Kirkland Lake (Figure 2-1). The center of the Property is located at approximately 48°08' North Latitude and 80°08" West Longitude on NTS Sheet 42A01. The Property consists of 47 mineral titles that together cover an area of approximately 1148 hectares (Figure 2-2). Some of the titles are mineral claims and some of them are mineral patents. There are two distinct parts of the Property referred to as the Northeast ("NE") and Southwest ("SW") blocks. The seasonal Goldthorpe road provides relatively easy access to the Property. Old bush roads and trails branching north from the Goldthorpe road provide access to the Northeast block, and excavator and drill trails branching south from the Goldthorpe road provide access to the Southwest block.

Figure 2-1: Location Map – Teck-Kirkland Property

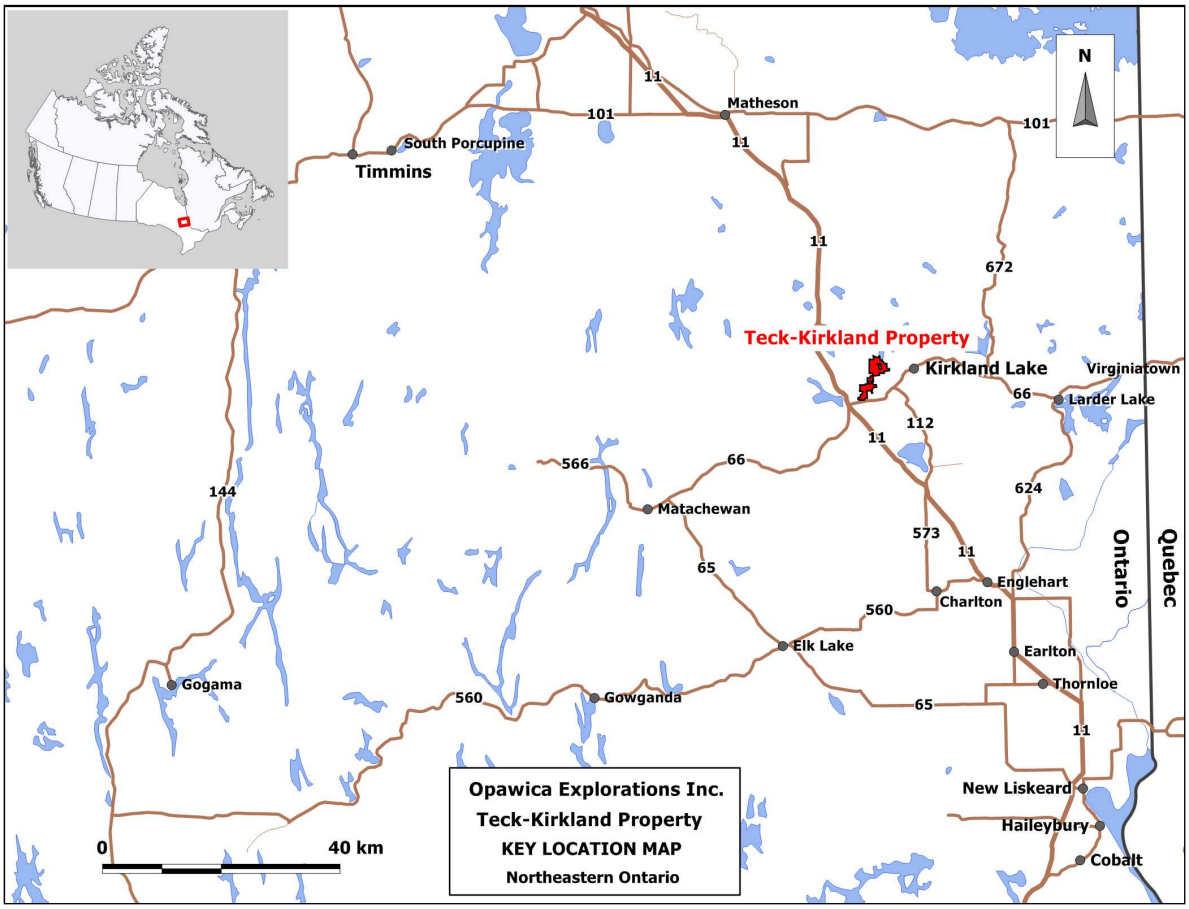
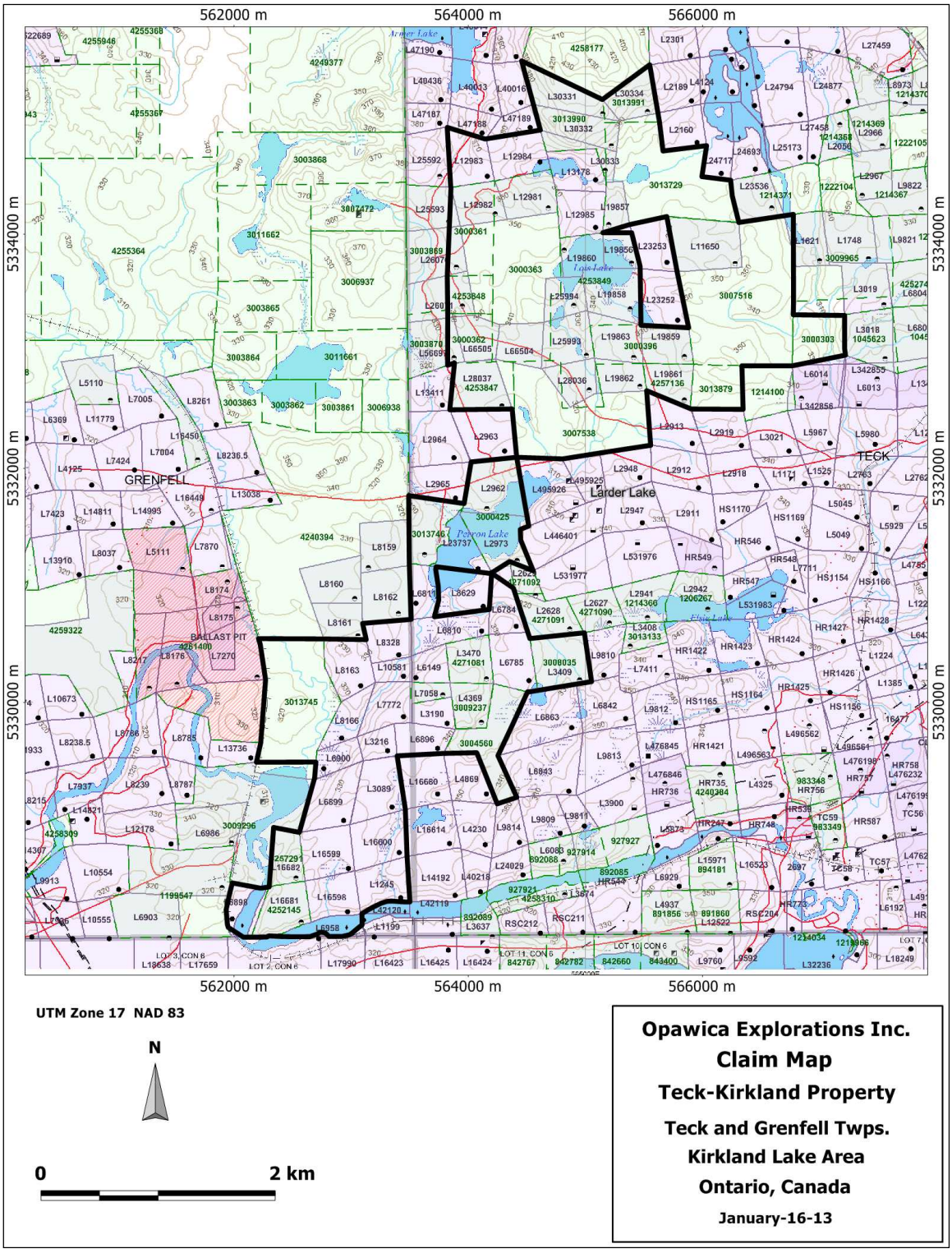


Figure 2-2: Teck-Kirkland Property Claims



3.0 HISTORY

3.1 Historical Exploration within the Southwest Block.

2004 to 2006: Hinterland Metals completed 37 km of line cutting to establish a grid, completed IP surveying over the grid, completed overburden power stripping and diamond drilled 13 drill holes to test some of the IP anomalies outlined by the IP surveying within the Southwest block. No significant assays were reported.

2012: Opawica Explorations Inc. completed power stripping and soil sampling within the Southwest block.

4.0 GEOLOGY

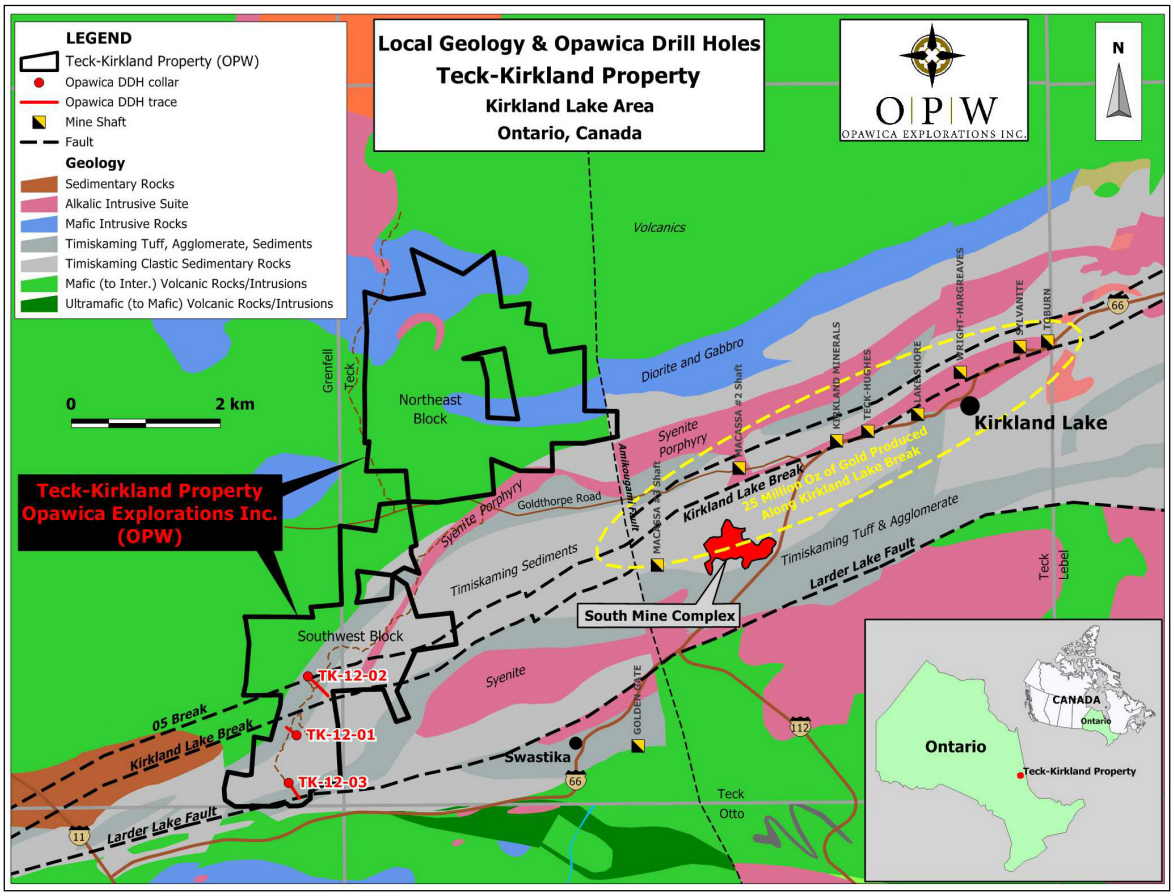
4.1 Regional Geology

The property is situated regionally within the south western part of the Abitibi Greenstone Belt which consists of a complex and diverse array of volcanic, sedimentary, and plutonic rocks typically metamorphosed to greenschist facies grade. The Abitibi Greenstone Belt rocks have undergone a complex sequence of deformation events ranging from early folding and faulting through later upright folding, faulting and ductile shearing resulting in the development of large, dominantly east-west trending, crustal-scale structures ("breaks"), and includes the Larder Lake - Cadillac Fault Zone (Larder Lake Break) which has been traced for over 200 kilometres from west of Kirkland Lake to Val d'Or.

4.2 Local Geology

The property is situated locally along the Kirkland Lake gold belt that broadly corresponds to the east-west-trending, 3-5 km wide belt of Timiskaming rocks bounded in the south by the Larder Lake-Cadillac deformation zone. The belt hosts the giant Kirkland Lake gold deposit. Gold mineralization is spatially associated with the Larder Lake-Cadillac deformation zone, and with smaller proximal faults and shear zones. The largest gold deposit of the area, Kirkland Lake, is associated with the brittle to brittle-ductile Kirkland Lake Fault, known as the "Main Break", roughly 2 km north of the Larder Lake-Cadillac deformation zone. The Larder Lake-Cadillac deformation zone corresponds to the southern margin of the Timiskaming assemblage. About 2 km to the north syenite and Timiskaming rocks are cut by the Kirkland Lake fault with a strike of roughly N065° and dipping steeply to the south. Gold mineralization of the Kirkland lake deposits generally occurs along this fault and its immediate splays. Ore-controlling faults and auriferous quartz veins are northeast striking structures, offsetted by major post-ore faults, including the Amikougami Creek, Tegren, Lake Shore and Sylvanite faults, trending North-South. The local geology is shown in Figure 4-1.

Figure 4-1: Local Geology



4.3 Property Geology

The property's Northeast block is underlain by intermediate to basic volcanics which have been intruded by diorite, gabbro and syenite porphyry. The volcanics strike southwesterly onto and across the northwestern part of the property's Southwest block. The SE two thirds of the Southwest block is underlain by the Timiskaming belt of rocks (that host the nearby Kirkland Lake gold deposit) and are comprised of NE striking steeply southeast dipping greywacke, conglomerate, tuff and agglomerate which have been intruded by syenite, porphyry, lamprophyre and diabase. The Kirkland Lake Main Break is interpreted to strike WSW across the central part of the Southwest block, the Larder Lake Break is interpreted to strike W along the south edge of the Southwest block.

5.0 DIAMOND DRILLING PROGRAM

A diamond drill program was completed by Opawica Explorations Inc. from November 11 to January 3, 2013. The drill program included diamond drilling, core logging, core sawing, sampling and assaying. The drill program was supervised by Fred Kiernicki of Kirkland Lake, Ontario.

Three diamond drill holes totaling 1,260 metres were drilled on the Teck-Kirkland property from November 15 to December 8, 2012. George Downing Estate Drilling Ltd. (Downing) of Grenville-sur-la-Rouge, Quebec, provided contract drilling for the program. The drilling size is NQ. Drill hole logs, plan maps and sections are included in the Appendix. Drill hole coordinates, azimuth, dip and length are shown in Table 5-1.

The core was transported to the core logging and storage facilities at Matachewan, Ontario. The core was logged and samples were marked by Terry Link of Kirkland Lake, Ontario. Core sawing and sample handling was completed by Mike Gauthier of Matachewan, Ontario. Samples marked out for assay were sawn in half, one half of each sawn core sample was placed in a plastic sample bag with a sample tag, the other half of the sawn core sample was returned to the core tray. Reference materials consisting of standards and blanks were inserted into the sample stream by the core cutter during sample packing, prior to shipment to the laboratory, at a rate of one standard and one blank for every twenty samples, according to the drill logs. The standard used was OREAS 50c which has a certified value of 836 ppb Au and the blank material was marble decorative stone supplied by Home Hardware. The standard and blank assays are included in the drill logs. In addition, an empty sample bag with a tag marked duplicate was inserted into the sample stream by the core cutter at a rate of one duplicate for every twenty samples, according to the drill log. For the duplicate samples, the laboratory was instructed to perform a duplicate assay on the reject material from the preceding sample. The duplicate assays are shown in the drill logs. The bagged samples were transported to Swastika Laboratories in Swastika, Ontario and were processed using standard core preparation and Au fire assay procedures.

Five hundred and eighty eight samples of sawn drill core were assayed for Au by Swastika Laboratories Ltd of Swastika, Ontario between November 27, 2012, and January 3, 2013. Assay results are shown on the drill hole logs and assay certificates in the Appendix. Assays are also shown as Au bar plots on the drill hole sections in the Appendix.

The objective of the drilling program was to test bedrock for gold mineralization within the Timiskaming rocks and syenite intrusions. Two holes were drilled to test IP anomalies +- soil anomalies, one hole was drilled to undercut an exposed alteration zone.

TK-12-01 was collared at local grid 1610E, 1525N and drilled at an azimuth 0f 307 degrees and dip of -49 degrees to a depth of 261 metres. The hole targeted 2 weak IP anomalies and 1 moderate IP anomaly that were defined by Hinterland Metals Inc in 2005. Sequences of conglomerate, syenite, tuff, agglomerate and porphyry were intersected. A unit of lapilli tuff mineralized with 1 to 3 % pyrite was intersected from 94 to 114 m and is likely the cause of the moderate IP anomaly. 118 samples of core were analyzed for gold; the highest assay was 0.03 g/t Au.

TK-12-02 was collared at local grid 2200E, 1993N and drilled at an azimuth of 136 degrees and dip of -59 degrees to a depth of 648 metres. The hole was drilled to undercut a zone of weak to strong alteration (sericitization, carbonatization and silicification) that was exposed by stripping in 2004. Sequences of greywacke, tuff, agglomerate, conglomerate and syenite were intersected. Core angles (10 to 30 degrees to the core axis) of bedding and contacts indicate

that the rock units were drilled somewhat down dip, thus the hole may not have reached the target alteration zone. However the hole did intersect sections of alteration and/or mineralization; from 113 to 149 m a section of tuff is sericitic and chloritic and faulted in places, from 409 to 455 m contains trace to 2 % disseminated pyrite, from 598 to 635 a section of tuff contains 0.5 to 10 % pyrite. 257 samples of core were analyzed for gold; the highest assay was 0.04 g/t Au.

TK-12-03 was collared at local grid 1095E, 1112N and drilled at an azimuth of 143 degrees and a dip of -45 degrees to a depth of 351 metres. The hole was drilled to test bedrock in an area of coincident IP/soil anomalies, and further out under the Blanche River, the Larder Lake Fault. Sequences of tuff, syenite, porphyry, and wacke were intersected. The cause of the IP and gold in soil anomalies were not determined/intersected, however from 305 m to the end of the hole the rocks are fractured, faulted, altered and include sections with some pyrite mineralization indicating that the hole partially cut the fault zone under the Blanche River. 213 samples of core were analyzed for gold, the highest assay was 0.17 g/t Au within the altered rocks below 305 m.

Table 5-1: Drill Hole Locations

DDH	UTM_E	UTM_N	Local Grid_E (m)	Local Grid_N (m)	Elev (m)	Azimuth	Dip	Length (m)
TK-12-01	562910	5328953	1610	1525	339	306.9	-49.3	261
TK-12-02	563063	5329747	2200	1993	310	135.7	-59.1	648
TK-12-03	562798	5328315	1095	1112	327	143	-45	351

Note: UTM coordinates are Nad 83, Zone 17 N

6.0 BIBLIOGRAPHY

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Davy, J., 2005: Drilling Program on Teck Property, Logs, Plan and Sections; Teck Township, Ontario, Canada. Kirkland Lake assessment file # KL-5485.

Fekete, M., 2009: Report of Diamond Drilling 2006, Teck Property, Teck and Grenfell Townships, Larder Lake Mining Division, Province of Ontario.

Gerrie, W. and Thomson, J.E., 1946: Kenogami Lake area, District of Timiskaming, Ontario; Ontario Department of Mines, Map 1946-01, 1:12 000.

Grant, J.A., 1964: Geology of Bompas and Grenfell Townships, District of Timiskaming, Geological Report No. 30, Ontario Department of Mines.

Kiernicki, F., 2004: Teck Project, Trenching Program, Patent Mining Claim 3216, Grenfell Township, Larder Lake Mining Division. Kirkland Lake assessment file # KL-5392.

Thomson, J.E., 1945: Township of Teck, District of Timiskaming, Ontario; Ontario Department of Mines, Map No. 1945-1, 1:12 000.

APPENDIX

DRILL HOLE LOGS

- **TK-12-01**
- **TK-12-02**
- **TK-12-03**

ASSAY CERTIFICATES

- **12-3980**
- **12-4016**
- **12-4017**
- **12-4053**
- **12-4054**
- **12-4064**
- **12-4065**
- **12-4106**
- **12-4107**
- **12-4108**
- **12-4117**
- **12-4118**
- **12-4144**
- **12-4145**
- **12-4146**
- **12-4156**
- **12-4157**
- **12-4158**

SECTIONS

- **Section TK-12-01; 1:1500**
- **Section TK-12-02; 1:4000**
- **Section TK-12-03; 1:2000**

MAPS

- **Drill Hole Location Map; 1:5000**
- **DDH Locations & Geology; 1:10000**

Opawica Explorations Inc.

Diamond Drill Log

Hole No.: TK-12-01

Length (m):	261
Azm:	306.9
Dip:	-49.3
Local Grid	Metric
Grid E:	1610
Grid N:	1525
UTM Z 17	Nad 83
UTM E:	562910
UTM N:	5328953
Elev. (m):	339

Project;	Teck-Kirkland
Claim #:	L6899
Township:	Grenfell
Drilling Co.:	Downing Drilling
Start Date:	18-Nov-12
Finish Date:	21-Nov-12
Core Size:	NQ
Logged By:	T. Link
Log Date:	3-Dec-12
Core Storage:	Matachewan, Ontario

Survey:

depth (m)	azm (true)	dip	mag	type
15	306.9	-49.3	5598	Reflex
66	306.8	-48.7	5586	Reflex
117	307.7	-47	5603	Reflex
168	306.5	-46.4	5559	Reflex
219	306.9	-45	5578	Reflex
261	307.7	-43.8	5574	Reflex

From (m)	To (m)	Rock Type	Code	Description	Sample#	Sample Type	Reference	From (m)	To (m)	Width (m)	Au g/t	Au 2 g/t
0	2.4	Overburden	OVBD	Casing								
2.4	6.4	Conglomerate	T2	Timiskaming conglomerate, 60% pebbles to 5cm diameter various composition including occasional red jasper, in a blue-green matrix.								
				3.2 to 3.5 broken up								
				4.5 to 4.7 broken up								
				5.7 to 6.0 broken up								
6.4	22.7	Syenite	A9	Pink syenite and syenite altered pink to grey-blue-green tuff/sediments, irregular upper contact @ 80 deg to Core Axis (CA), irregular lower contact @ 60 deg to CA. Bedding apparent in places @ 60 to 70 deg to the CA. Nil to 0.1 % pyrite, trace overall as irregular stringers and disseminations. Quartz stringers throughout @ various angles, 1% overall.	39101			6.4	7	0.6	< 0.01	-
				16.8 to 18.8 a few specular hematite stringers to 5 mm width at generally low angles to the CA.	39102			7	8	1	< 0.01	-
					39103			8	9	1	< 0.01	-
					39104			9	10	1	< 0.01	-
					39105			10	11	1	< 0.01	-
					39106			11	12	1	< 0.01	-
					39107			12	13	1	< 0.01	-
					39108			13	14	1	< 0.01	-
					39109			14	15	1	< 0.01	-

From (m)	To (m)	Rock Type	Code	Description	Sample#	Sample Type	Reference	From (m)	To (m)	Width (m)	Au g/t	Au 2 g/t
					39110			15	15.7	0.7	< 0.01	< 0.01
					39111	Standard	50c				0.82	-
					39112			15.7	16	0.3	< 0.01	-
					39113			16	17	1	< 0.01	-
					39114			17	18	1	< 0.01	-
					39115			18	19	1	< 0.01	-
					39116			19	20	1	< 0.01	-
					39117			20	21	1	0.02	-
					39118			21	22	1	0.02	-
					39119			22	23	1	< 0.01	-
22.7	23.3	Conglomerate	T2	As above.	39194			23	23.5	0.5	< 0.01	-
					39195			23.5	24.1	0.6	0.01	-
23.3	24.05	Syenite	A9	Pink syenite, irregular upper and lower contacts @ 70 deg to CA	39196			24.1	24.6	0.5	0.02	-
					39197			24.6	25	0.4	< 0.01	-
24.05	26.4	Conglomerate	T2	As above.	39198			25	26.3	1.3	< 0.01	-
					39199			26.3	27.7	1.4	< 0.01	-
26.4	28.5	Syenite	A9	Pink syenite, irregular upper and lower contacts @ 70 deg to CA	39120		Original	27.7	28.5	0.8	< 0.01	< 0.01
				at 24.8; 4 cm wide qtz-carb vein @ 60 deg to CA	39121	Duplicate	Dup	27.7	28.5		< 0.01	-
					39122	Blank	Marble				< 0.01	-
28.5	44.5	Tuff	T4	Tuff, dark grey-green. A few narrow quartz stringers @ various angles.	39200		Original	28.5	29.5	1	< 0.01	-
					39201	Duplicate	Dup	28.5	29.5		< 0.01	-
					39202	Blank	Marble				< 0.01	-
					39203			29.5	30	0.5	< 0.01	< 0.01
					39204			30	31	1	< 0.01	-
					39205			31	31.55	0.55	< 0.01	-
					39206			31.55	32.3	0.75	< 0.01	-
					39207			32.3	33	0.7	< 0.01	-
					39208			33	34	1	0.01	-
					39209			34	35	1	< 0.01	-
					39210			35	36	1	< 0.01	-
					39211	Standard	50c				0.84	-
					39212			42.5	43.5	1	< 0.01	-
					39213			43.5	44.5	1	< 0.01	-
44.5	46	Syenite	A9	Pink syenite, irregular upper contact @ 40 deg to CA.	39123			44.5	45	0.5	< 0.01	-
					39124			45	46	1	< 0.01	-

From (m)	To (m)	Rock Type	Code	Description	Sample#	Sample Type	Reference	From (m)	To (m)	Width (m)	Au g/t	Au 2 g/t
46	48	Syenite Porphyry	A9	Pale green-grey to pink to mauve with 15% pale green phenocrysts to 1 cm dia. Upper and lower contacts @ 45 deg to CA.	39125			46	47	1	< 0.01	-
					39126			47	48	1	< 0.01	-
48	60	Syenite	A9	Pink syenite, lower contact @ 75 deg to CA. Trace pyrite, up to 5% quartz stingers in sections.	39127			48	49	1	< 0.01	-
				54 to 56.0 - 5 % quartz stringers up to 2 cm wide @ generally 30 deg to CA.	39128			49	50	1	< 0.01	-
					39129			50	51	1	< 0.01	-
					39130			51	52	1	< 0.01	< 0.01
					39131	Standard	50c				0.83	-
					39132			52	53	1	< 0.01	-
					39133			53	54	1	< 0.01	-
					39134			54	55	1	< 0.01	-
					39135			55	56	1	0.01	-
					39136			56	57	1	0.01	-
					39220		Original	59	59.5	0.5	< 0.01	-
					39221	Duplicate	Dup	59	59.5		< 0.01	-
					39222	Blank	Marble				< 0.01	< 0.01
60	60.5	Tuff	T4	Fine grained, layered, pale green-grey. Bedding @ 70 to 75 deg to CA.	39223			59.5	60.5	1	< 0.01	-
					39137			60.5	61	0.5	< 0.01	-
60.5	67	Syenite	A9	Pink syenite, upper contact irregular @ 75 deg to CA.	39138			61	62	1	< 0.01	-
					39139			62	63	1	< 0.01	-
					39140		Original	63	64	1	< 0.01	< 0.01
					39141	Duplicate	Dup	63	64		0.01	-
					39142	Blank	Marble				< 0.01	-
					39143			64	65	1	< 0.01	-
					39144			65	66	1	0.01	-
					39145			66	67	1	< 0.01	-
67	72	Conglomerate	T2	50 % pebbles and cobbles of various composition to 5 cm dia., in a grey green matrix, 1 % irregular qtz veinlets @ various angles.	39146			67	67.5	0.5	0.02	-
				70.8 to 71.0 broken up	39147			69.3	70	0.7	< 0.01	-
				71.3 to 71.5 broken up	39148			70	71	1	< 0.01	-
				At 71.9; 2 cm fault gauge @ 80 deg to CA	39149			71	72	1	< 0.01	-
					39150			72	73	1	< 0.01	< 0.01

From (m)	To (m)	Rock Type	Code	Description	Sample#	Sample Type	Reference	From (m)	To (m)	Width (m)	Au g/t	Au 2 g/t
72	76	Syenite	A9	brown-pink syenite, lower contact @ 45 deg to CA, 1 % qtz stringers, trace pyrite	39151	Standard	50c				0.83	-
					39152			73	74	1	< 0.01	-
					39153			74	75	1	< 0.01	-
					39154			75	76	1	< 0.01	-
76	94	Conglomerate	T2	50 % pebbles and cobbles of various composition to 5 cm dia., in a grey green matrix, rare small clasts of red jasper, 1 % irregular qtz veinlets @ various angles. Weakly to moderately magnetic.	39224			84.6	85.6	1	< 0.01	-
					39214			88.7	89.4	0.7	< 0.01	-
94	113.9	Lapilli Tuff	T4	Pale green, grey and beige fragments to 3 cm in dia., 1 to 3.0 % very fined grained disseminated pyrite. Weakly to moderatly sericitic in sections. Non magnetic.	39155			94	95	1	0.03	-
					39156			95	96	1	0.01	-
					39157			96	97	1	< 0.01	-
					39158			97	98	1	< 0.01	-
					39159			98	99	1	< 0.01	-
					39160		Original	99	100	1	< 0.01	-
					39161	Duplicate	Dup	99	100		< 0.01	-
					39162	Blank	Marble				< 0.01	< 0.01
					39163			100	101	1	< 0.01	-
					39164			101	102	1	< 0.01	-
					39165			102	103	1	< 0.01	-
					39166			103	104	1	< 0.01	-
					39167			104	105	1	< 0.01	-
					39168			105	106	1	< 0.01	-
					39169			106	107	1	< 0.01	-
					39170			107	108	1	< 0.01	-
					39171	Standard	50c				0.87	-
					39172			108	109	1	< 0.01	< 0.01
					39173			109	110	1	< 0.01	-
					39174			110	111	1	< 0.01	-
					39175			111	112	1	< 0.01	-
					39176			112	113	1	< 0.01	-
					39177			113	114	1	0.01	-

From (m)	To (m)	Rock Type	Code	Description	Sample#	Sample Type	Reference	From (m)	To (m)	Width (m)	Au g/t	Au 2 g/t
113.9	168.5	Tuff/Agglomerate	T4	30 % fragments of various composition to 10 cm dia., in a grey green matrix, 1 % irregular qtz veinlets @ various angles. Weakly to moderately magnetic.	39178			114	115	1	< 0.01	-
				at 160.3 fault gauge @ 70 dg to CA, 2 cm wide	39215			119.6	120	0.4	< 0.01	-
				a few sections with weak sericite alteration	39216			126.5	127	0.5	< 0.01	-
				150 to 169 weak to moderate sericite alteration, trace pyrite	39179			131.5	132.4	0.9	< 0.01	-
					39217			136.7	137	0.3	0.03	-
					39180		Original	142.4	142.9	0.5	< 0.01	-
					39181	Duplicate	Dup	142.4	142.9		0.01	-
					39182	Blank	Marble				< 0.01	< 0.01
					39218			146.7	147.2	0.5	< 0.01	-
					39219			148.2	148.9	0.7	< 0.01	-
					39225			152.65	152.8	0.15	< 0.01	-
					39183			159	160	1	< 0.01	-
					39226			160	160.46	0.46	0.01	-
					39227			163.5	164	0.5	< 0.01	-
					39228			165.7	166.7	1	< 0.01	-
					39229			166.7	168	1.3	< 0.01	-
					39230			168	168.35	0.35	< 0.01	-
168.5	218	Tuff/Agglomerate	T4	red-mauve clasts in a dark red-mauve matrix, weakly to strongly magnetic	39231	Standard	50c				0.82	-
				at 168.8 fault gauge 2 cm wide @ 70 deg to CA	39232			168.35	168.85	0.5	< 0.01	< 0.01
					39233			172.85	173	0.15	< 0.01	-
					39234			177	177.46	0.46	< 0.01	-
					39235			183	183.25	0.25	< 0.01	-
218	236.1	Lapilli Tuff	T4	similar to 168.5 to 218 m, smaller clasts, non to weakly magnetic, < 1 % quartz carb stringers	39184			236	237	1	< 0.01	-
					39185			237	238	1	< 0.01	-
236.1	241.4	Syenite Porphyry	A9	dark red, phenocrysts to 0.5 cm dia., upper and lower contacts @ 50 deg to CA, non to weakly magnetic, nil to trace pyrite, 1% quartz stringers to 1 cm width at various angles	39186			238	239	1	< 0.01	-
					39187			239	240	1	< 0.01	-
					39188			240	241	1	< 0.01	-
					39189			241	241.5	0.5	< 0.01	-
241.4	243.4	Tuff	T4	light green fine grained, lower contact at 45 deg ro CA, non magnetic	39190			241.5	242.6	1.1	< 0.01	-

From (m)	To (m)	Rock Type	Code	Description	Sample#	Sample Type	Reference	From (m)	To (m)	Width (m)	Au g/t	Au 2 g/t
				242.6 to 243 brecciated, 10% quartz veinlets, sericitic, trace pyrite	39191	Standard	50c				0.86	-
					39192			242.6	243	0.4	< 0.01	-
243.4	261	Lapilli Tuff	T4	larger clasts to 5 cm are mostly dark red-brown, grey-green matrix, non to weakly magnetic	39236			247	248	1	< 0.01	-
					39237			252.55	253	0.45	< 0.01	-
					39193			257.6	258.3	0.7	< 0.01	< 0.01
				EOH @ 261 m								

Opawica Explorations Inc.

Diamond Drill Log

Hole No.: TK-12-02
Length (m): 648
Azm: 135.7
Dip: -59.1

Local Grid Metric
Grid E: 2200
Grid N: 1993
UTM Z 17 Nad 83
UTM E: 563063
UTM N: 5329747
Elev. (m): 310

Project; Teck-Kirkland
Claim #: L7772, L3216
Township: Grenfell
Drilling Co.: Downing Drilling
Start Date: 22-Nov-12
Finish Date: 3-Dec-12
Core Size: NQ
Logged By: T. Link
Log Date: 10-Dec-12
Core Storage: Matachewan, Ontario

Survey:	depth (m)	azm (true)	dip	mag	type
	24	135.7	-59.1	5583	Reflex
	75	136.1	-58	5564	Reflex
	126	133.7	-57	5560	Reflex
	177	134.7	-56.4	5546	Reflex
	219	132.5	-54.7	5577	Reflex
	270	134.1	-54.3	5584	Reflex
	321	135.8	-53.7	5545	Reflex
	372	133.9	-52.6	5539	Reflex
	423	136.1	-52	5546	Reflex
	474	134.3	-52	5548	Reflex
	525	135.2	-51.5	5545	Reflex
	576	135.3	-50.8	5531	Reflex
	624	135.2	-50	5547	Reflex
	648	135.1	-49.7	5544	Reflex

From (m)	To (m)	Rock Type	Code	Description	Sample Details	Sample#	Sample Type	Reference	From (m)	To (m)	Width (m)	Au g/t	Au 2 g/t	Py %	Qtz %	Bedding ° to Core Axis	Qtz ° to Core Axis
0	11.3	Overburden	OVBD														
11.3	55.2	Greywacke	T1	Grey to grey-green, very fine to fine grained, non magnetic, bedding at low angles to the CA, typically 10 to 15 degrees to CA, sections comprising 50 % of the core are moderately to strongly fractured and broken up, 5% quartz carb veinlets to 5 cm width, moslty white, at various angles to the CA, majority at high angles to the CA or parallel to bedding, trace to 3% fg pyrite locally, disseminated with higher concentrations along bedding.													
						39238			11.3	12	0.7	0.01	-				
					broken core, 1 to 5% fg py, diss and along bedding	39239			12	13	1	< 0.01	-	2	1	15	
					broken core, 1 to 5% fg py, diss and along bedding, at 13.2 m - 7 cm wide band with 50% qtz @ 45 deg to CA	39240		Original	13	14	1	0.01	-	2	5	15	45
						39241	Duplicate	Dup	13	14		< 0.01	-				
						39242	Blank	Marble				< 0.01	-				
					trace to 2 % pyrite	39243			14	15	1	< 0.01	-	0.5	0.5	15	15
					nil to 1 % pyrite	39244			15	16	1	< 0.01	-	0.25	1	15	80
						39245			16	17	1	0.01	-		0.5	10	80
						39246			17	18	1	0.01	-			5	
					at 18.5 m qtz vein 2 cm wide @ 45 deg to CA, at 18.8 m irregular qtz vein 2 cm wide	39247			18	19	1	0.01	0.01		10	20	
					trace to 2 % fg pyrite	39248			19	20	1	0.01	-	0.5	4	15	80
					trace to 1 % fg pyrite	39249			20	21	1	0.01	-	0.25	1	15	15

From (m)	To (m)	Rock Type	Code	Description	Sample Details	Sample#	Sample Type	Reference	From (m)	To (m)	Width (m)	Au g/t	Au 2 g/t	Py %	Qtz %	Bedding ° to Core Axis	Qtz ° to Core Axis
					1 to 3 % fg pyrite	39250			21	22	1	< 0.01	-	2		15	
						39251	Standard	50c				0.94	-				
					at 29.8 m, 8 cm wide white qtz carb vein @ 60 deg to CA, a few blebs of py along vein	39252			29.7	30.2	0.5	< 0.01	-	0.5	20		60
						39253			31.8	32.6	0.8	0.02	-	1	5	20	
						39254			33	34	1	0.02	-	0.5	1	15	
					at 35.6 m - 2 cm wide qtz carb vein @ 15 deg to CA, tr py	39255			35.4	35.7	0.3	< 0.01	-		10		15
						39256	Standard	50c				0.9	-				
					at 39.7 m - 6 cm wide qtz carb vein @ 70 deg to CA	39257			39.6	40.6	1	< 0.01	0.02		6	15	70
					0.5 to 5 % fg disseminated pyrite	39258			40.6	41	0.4	0.01	-	3	2	15	
						39259			41	42	1	0.02	-			15	
					ground core 50 %, 50% remaining gravel size	39260		Original	44	45	1	0.01	-				
						39261	Duplicate	Dup	44	45		< 0.01	-				
						39262	Blank	Marble				< 0.01	-				
					gravel size broken core	39263			45	45.85	0.85	< 0.01	-				
					gravel size broken core, nil to 5 % pyrite	39264			45.85	46.25	0.4	0.01	-	1			
					broken core	39265			46.25	47	0.75	0.01	-	0.25	1		
					broken core	39266			47	48	1	0.01	-	0.25	2		
					broken core	39267			48	49	1	< 0.01	0.03		7		
					broken core at contact	39268			55	55.4	0.4	0.01	-		2		
55.2	59.5	Tuff	T4	Mm to cm scale clasts, 90% pale green clasts in a fg grey matrix, clasts are elongated at 30 to 35 deg to the CA, non magnetic, upper and lower contacts in broken core, trace fg disseminated pyrite.													
						39269			58	58.4	0.4	< 0.01	-	0.25	4		15
					at 58.6 m - 7 cm wide qtz vein @ 70 deg to CA	39270			58.4	58.7	0.3	< 0.01	-		20		70
						39271	Standard	50c				0.91	-				
					broken core	39272			58.7	59	0.3	< 0.01	-		10		70
					broken core	39273			59	59.6	0.6	0.01	-	0.25	1		
59.5	74.7	Greywacke	T1	As from 11.3 to 55.2, grey to grey-green, very fine to fine grained, non magnetic, lower contact at 30 degrees to the CA, bedding at low angles to the CA, typically 10 to 15 degrees to the CA, typically broken to badly broken, fault gouge at several places in badly broken sections, 1% quartz carb veinlets to 2 cm wide usually at high angles to the CA, white and barren, trace to 2% fg pyrite													
						39274			59.6	60.6	1	0.02	-	0.25	1	15	

From (m)	To (m)	Rock Type	Code	Description	Sample Details	Sample#	Sample Type	Reference	From (m)	To (m)	Width (m)	Au g/t	Au 2 g/t	Py %	Qtz %	Bedding ° to Core Axis	Qtz ° to Core Axis
						39275			60.6	61	0.4	0.02	-		1		
						39276			61	61.5	0.5	0.02	-		3		70
					broken core, friable	39277			61.5	62	0.5	0.01	0.01		1		
						39278			62	62.7	0.7	0.01	-		10		70
					broken core	39279			62.7	63	0.3	0.02	-				
					broken core	39280		Original	63	63.4	0.4	< 0.01	-	0.25			
						39281	Duplicate	Dup	63	63.4		< 0.01	-				
						39282	Blank	Marble				< 0.01	-				
					broken core, some fault gouge	39283			63.4	64	0.6	0.01	-	0.25			
					broken core	39284			64	65	1	0.01	-				
					broken core, friable, some fault gouge	39285			65	66	1	< 0.01	-				
					2 % fg pyrite, 3 cm light green band @ 10 deg to CA	39286			66.8	67.7	0.9	0.01	-	1	2	10	
					nil pyrite, at 74.7 2 cm wide fault gouge @ 25 deg to CA	39287			74.45	74.9	0.45	0.01	0.01		5		
74.7	77.2	Tuff	T4	As from 55.2 to 59.5, mm to cm scale clasts, 90% pale green clasts in a fg grey matrix, clasts elongated at 10 to 20 degrees to the CA, non magnetic, lower contact in broken core, trace pyrite.													
77.2	100.3	Greywacke	T1	As from 59.5 to 74.7, grey to grey-green, very fine to fine grained, non magnetic, low angle bedding, bedding absent from 89 to 97 m (tuff ?), 2% quartz carb veinlets to 2 cm width, generally white and barren and parallel to bedding or @ 70 deg to CA, trace py.													
					2 cm wide quartz carb vein @ 10 deg to CA	39288			83.2	83.6	0.4	0.01	-		15	10	10
100.3	108.7	Tuff	T4	Pale green to grey, mm to cm scale clasts, elongated @ 25 deg to CA, from 100.3 to 102.2 - mm to cm scale clasts, trace pyrite, from 102.2 to 103.8 - mm scale clasts, green to grey, trace to 2 % pyrite locally, from 103.5 to 103.8 - 2 % fg disseminated pyrite, from 103.8 to 104.6 - mm to cm scale clasts, trace pyrite, from 104.6 to 108.7 predominate;y mm scale clasts, trace pyrite, lower contact @ 20 deg to CA, 5 % quartz carb veinlets to 4 cm wide, white, barren													
					2 % fg disseminated pyrite	74901			103.5	103.8	0.3	< 0.01	-	2	1		
					trace to 5 % fg disseminated pyrite	39289			103.8	104.25	0.45	0.02	-	2	1		
					nil pyrite, 4 cm wide quartz carb vein @ 25 deg to CA	39290			104.25	104.7	0.45	< 0.01	-		20		
						39291	Standard	50c				0.83	-				

From (m)	To (m)	Rock Type	Code	Description	Sample Details	Sample#	Sample Type	Reference	From (m)	To (m)	Width (m)	Au g/t	Au 2 g/t	Py %	Qtz %	Bedding ° to Core Axis	Qtz ° to Core Axis
					trace pyrite along seams, sericitic, quartz carb cemented shearing from 108.4 to 108.7,	39292			108.2	108.8	0.6	< 0.01	-		10		
108.7	117.25	Greywacke	T1	Light grey and dark grey beds @ 15 to 20 deg to CA, mm to 1 cm scale, non magnetic, lower contact @ 15 deg to CA, nil to trace disseminated fg pyrite, 15 % quartz carb veinlets to 4 cm wide, generally white, barren, parallel to bedding or at high angles to the CA, at 109.0 - 4 cm wide white/mauve quartz carb vein @ 55 deg to CA													
					at 109.0 - 4 cm wide quartz carb vein @ 55 deg to CA	39293			108.8	109.2	0.4	< 0.01	-		10	15	55
					2 cm quartz carb vein @ 25 deg to CA	39294			109.2	109.35	0.15	< 0.01	-		15	20	25
117.25	122	Tuff	T4	Grey, mm scale clasts, nil to 0.25 % pyrite locally, 4 % white, barren quartz carb veinlets to 1 cm width at high angles to the CA													
					trace to 1 % fg disseminated pyrite	39295			117.8	118.2	0.4	< 0.01	-	0.25	15		
					sericite along seams	39296			121.85	122.3	0.45	< 0.01	-				
122	122.7	Greywacke	T1	Grey, non magnetic, upper and lower contacts at 20 deg to CA, 10 % quartz carb veinlets at various angles, at 122.15 - 0.5 cm wide quartz carb veinlet and 0.5 cm fault gouge @ 35 deg to CA													
					sericite along seams	39297			122.3	123	0.7	< 0.01	-		10		
122.7	205.1	Tuff	T4	112.7 to 152.8 - pale green to dark grey mm to cm scale clasts, non magnetic, variably altered, friable sections, sericitic and chloritic sections, quartz carb veinlets at various angles up to 4 cm width - generally white and barren.													
				152.8 to 157 - 30 % of clasts are light reddish brown.													
				165.5 to 174.5 - dark reddish brown and grey - mostly trachyte clasts.													
				174.5 to 179.2 - light green-grey, mostly pale green clasts, non magnetic, moderately sericitic, 25 % quartz carb veinlets at various angles to 2 cm width, nil to trace pyrite.													
				179.2 to 205.1 - clasts to 8 cm across are rounded, beige and light pink-mauve, smaller clasts are light green to dark green.													

From (m)	To (m)	Rock Type	Code	Description	Sample Details	Sample#	Sample Type	Reference	From (m)	To (m)	Width (m)	Au g/t	Au 2 g/t	Py %	Qtz %	Bedding ° to Core Axis	Qtz ° to Core Axis
					strong sericite alteration	39298			124.8	125.5	0.7	< 0.01	-		3		
					strong sericite alteration	39299			125.5	126	0.5	< 0.01	< 0.01		6		
					strong sericite alteration	39300		Original	126	126.5	0.5	< 0.01	-		4		
						39301	Duplicate	Dup	126	126.5		< 0.01	-				
						39302	Blank	Marble				< 0.01	-				
					strong sericite alteration	39303			126.5	127	0.5	< 0.01	-		2		
					strong sericite alteration	39304			127	128	1	< 0.01	-		3		
					moderate sericite alteration	39305			128	129	1	0.01	-		2		
					friable sections, moderate sericite alteration and moderately chloritic	39306			134	134.6	0.6	< 0.01	-		25		
					friable sections, moderate sericite alteration and moderately chloritic	39307			134.6	135	0.4	< 0.01	-				
					friable sections, moderate sericite alteration and moderately chloritic	39308			135	136	1	< 0.01	-				
					friable sections, moderate sericite alteration and moderately chloritic	39309			136	137	1	< 0.01	< 0.01				
					friable sections, moderate sericite alteration and moderately chloritic	39310			137	138	1	< 0.01	-				
						39311	Standard	50c				0.83	-				
					friable sections, strong sericite alteration and strongly chloritic	39312			138	139	1	< 0.01	-				
					friable sections, strong sericite alteration and strongly chloritic, broken core	39313			139	140	1	< 0.01	-		5		
					friable sections, moderate sericite alteration and moderately chloritic	39314			140	141	1	< 0.01	-		10		
					weakly sericitic, weakly chloritic	39315			141	142	1	< 0.01	-		3		
					weakly sericitic, weakly chloritic	39316			142	143	1	< 0.01	-		2		
					friable sections, moderate sericite alteration and moderately chloritic	39317			143	144	1	< 0.01	-		1		
					friable sections, moderate sericite alteration and moderately chloritic	39318			144	145	1	< 0.01	-		1		
					friable sections, moderate sericite alteration and moderately chloritic	39319			145	146	1	< 0.01	< 0.01		2		
					friable sections, strong sericite alteration and strongly chloritic	39320		Original	146	147	1	< 0.01	-		2		
						39321	Duplicate	Dup	146	147		< 0.01	-				
						39322	Blank	Marble				< 0.01	-				
					friable sections, moderate sericite alteration and moderately chloritic	39323			147	148	1	< 0.01	-		3		
					friable sections, moderate sericite alteration and moderately chloritic	39324			148	149	1	< 0.01	-		3		
					bleached, at 156.1 - 2 cm wide quartz carb vein @ 45 deg to CA	39325			155.6	156.2	0.6	< 0.01	-		5		
					at 158.2 - 3 cm wide quartz carb vein @ 25 deg to CA	39326			158.1	158.4	0.3	0.02	-		15		

From (m)	To (m)	Rock Type	Code	Description	Sample Details	Sample#	Sample Type	Reference	From (m)	To (m)	Width (m)	Au g/t	Au 2 g/t	Py %	Qtz %	Bedding ° to Core Axis	Qtz ° to Core Axis
					5 % white quartz carb veinlets, mostly at high angles to the CA	39327			158.4	159	0.6	0.01	-		5		
					3 % white quartz carb veinlets, mostly at high angles to the CA	39328			159	159.6	0.6	< 0.01	-		3		
					sericitic, bleached, 1 cm irregular quartz carb vein @ 20 deg to CA	39329			159.6	160	0.4	0.01	0.02		10		
					bleached	39330			160	160.3	0.3	< 0.01	-		5		
						39331	Standard	50c				0.83	-				
					bleached, moderatley sericitic	39332			160.3	161	0.7	0.02	-		2		
					3 % white quartz carb veinlets mostly at high angles to the CA	39333			161	162	1	0.03	-		3		
					3 % white quartz carb veinlets mostly at high angles to the CA	39334			162	163	1	0.01	-		3		
					4 % white quartz carb veinlets mostly at high angles to the CA	39335			163	164	1	< 0.01	-		4		
					4 % white quartz carb veinlets mostly at high angles to the CA	39336			164	165	1	0.04	-		4		
					5 % white quartz carb veinlets mostly at high angles to the CA	39337			165	165.5	0.5	0.02	-		5		
						39338			165.5	166	0.5	< 0.01	-		2		
					2 % white quartz carb veinlets mostly at high angles to the CA	39339			166	167	1	< 0.01	-		2		
					3 % white quartz carb veinlets mostly at high angles to the CA	39340		Original	167	168	1	< 0.01	-		3		
						39341	Duplicate	Dup	167	168		< 0.01	0.01				
						39342	Blank	Marble				< 0.01	-				
						39343			172	173	1	< 0.01	-		2		
					5 % white quartz carb veinlets mostly at high angles to the CA	39344			173	174	1	< 0.01	-		5		
					10 % white quartz carb veinlets mostly at high angles to the CA	39345			174	174.5	0.5	< 0.01	-		10		
					20 % quartz carb veinlets at various angles, white, moderately sericitic	39346			174.5	175.5	1	< 0.01	-		20		
					10 % quartz carb veinlets at various angles, white, moderately sericitic	39347			175.5	176	0.5	< 0.01	-		10		
					10 % quartz carb veinlets at various angles, white, moderately sericitic	39348			176	177	1	< 0.01	-		10		
					30 % quartz carb veinlets at various angles, white, moderately sericitic	39349			177	178	1	< 0.01	-		30		
					30 % quartz carb veinlets at various angles, white, moderately sericitic	39350			178	178.6	0.6	< 0.01	-		30		
						39351	Standard	50c				0.82	-				
					25 % quartz carb veinlets at various angles, white, moderately sericitic	39352			178.6	179.2	0.6	< 0.01	< 0.01		25		
					weak sericite, white qcv, nil py	39353			182	182.6	0.6	< 0.01	-		15		15
						39354			182.6	183.5	0.9	0.01	-		5		
						39355			183.5	183.9	0.4	< 0.01	-		10		

From (m)	To (m)	Rock Type	Code	Description	Sample Details	Sample#	Sample Type	Reference	From (m)	To (m)	Width (m)	Au g/t	Au 2 g/t	Py %	Qtz %	Bedding ° to Core Axis	Qtz ° to Core Axis
						39356			185.7	186.1	0.4	0.02	-		10		45
					at 186.25 - 6 cm wide pink QCV @ 45 deg to CA, nil py	39357			186.1	186.4	0.3	< 0.01	-		60		45
						39358			186.4	187	0.6	< 0.01	-		3		
					chloritic	39359			187	187.5	0.5	< 0.01	-		1		
						39360		Original	193.9	195	1.1	< 0.01	-		6		
						39361	Duplicate	Dup	193.9	195		< 0.01	< 0.01				
						39362	Blank	Marble				< 0.01	-				
					5 cm wide light pink-white QCV @ 205.1 m, low angle to the CA	39363			204.75	205.3	0.55	< 0.01	-		30		
205.1	215.8	Tuff/Agglomerate	T4	Dark red-brown clasts (50%) to 10 cm across in a dark grey matrix, moderately magnetic, upper contact in broken core, a few narrow quartz carb veinlets, no visible sulphides..													
215.8	218.1	Syenite	A9	Reddish brown, moderately magnetic, upper contact @ 40 deg to CA, lower contact @ 35 deg to CA, a few quartz carb stringers, no visible sulphides.													
					syenite	39364			215.7	216.2	0.5	< 0.01	-		1		
					syenite	39365			216.2	217.2	1	< 0.01	-		2		
					syenite	39366			217.2	218.2	1	< 0.01	-		1		
218.1	581.4	Tuff/Agglomerate	T4	218.1 to 240.0 - as from 205.1 to 215.8 - dark red-brown clasts (50%) to 10 cm across in a dark grey matrix, moderately magnetic, a few narrow quartz carb veinlets, no visible sulphides.													
				240.0 to 245.5 - predominantly light pink-mauve rounded clasts to 10 cm across in a light to grey-green matrix, moderately magnetic.													
				245.5 to 254.0 - as from 218.1 to 240.0, weakly to moderately magnetic.													
				254.0 to 270.5 - few clasts > 2 cm, grey to dark grey, moderately magnetic.													
				270.5 to 273.8 - 30 % beige to light pink clasts > 1 cm < 5 cm in a light to dark grey matrix, non magnetic to weakly magnetic, 8 % quartz carbonate veinlets to 8 cm wide; most @ high angles to the CA, weak to moderate sericite alteration along the veinlets, trace fg disseminated pyrite.												
				273.8 to 284.0 - as from 254 to 270.5, from 280.7 to 281.6 red-brown syenite altered, moderately magnetic, trace pyrite.													

From (m)	To (m)	Rock Type	Code	Description	Sample Details	Sample#	Sample Type	Reference	From (m)	To (m)	Width (m)	Au g/t	Au 2 g/t	Py %	Qtz %	Bedding ° to Core Axis	Qtz ° to Core Axis
				284.0 to 323.6 - 10 % to 40 % mostly dark red-brown trachyte clasts > 1 cm < 6 cm in a dark grey matrix, moderately magnetic, 1 % quartz carb veinlets to 1 cm wide, nil to trace pyrite.													
				323.6 to 326.5 - few clasts, grey.													
				326.5 to 329.7 - 20 % light green to light pink-mauve clasts > 1 cm < 3 cm in a grey-green matrix.													
				329.7 to 581.4 - 10 % to 80 % clasts > 1 cm < 12 cm, reddish-brown and dark grey-green to dark grey in a dark grey matrix, weakly to moderately magnetic, some white quartz carb veinlets to 5 cm wide at various angles to the CA. From 408 to 455 very fine grained disseminated pyrite to 2 %, 0.25 to 0.5 % overall. From 455 to 459 and from 514 to 514.6 white quartz carbonate between clasts.													
						39367			237.9	238.4	0.5	< 0.01	-		5		
						39368			238.4	238.9	0.5	< 0.01	-		5		
						39369			247.58	247.83	0.25	< 0.01	-		10		
						39370		Original	263.3	263.6	0.3	< 0.01	-		10		45
						39371	Duplicate	Dup	263.3	263.6		< 0.01	< 0.01				
						39372	Blank	Marble				< 0.01	-				
						39373			271	271.6	0.6	< 0.01	-		5		
					sericitic, bleached along quartz carb veinlets, most @ high angles to the CA	39374			272.3	273	0.7	< 0.01	-		15		
					sericitic, bleached along quartz carb veinlets, most @ high angles to the CA	39375			273	273.8	0.8	< 0.01	-		15		70
					syenite altered	39376			280.7	281	0.3	< 0.01	-		10		
					syenite altered	39377			281	282	1	< 0.01	-				
					sericitic, bleached along quartz carb veinlets, most @ high angles to the CA	39378			282	282.7	0.7	< 0.01	-		10		
					quartz carb veinlets parallel to CA	39379			303.5	303.9	0.4	< 0.01	-		10		
					light blueish-green quartz carb veinlet @ 30 deg to CA	39380			314.2	314.5	0.3	< 0.01	-		8		
						39381	Standard	50c				0.83	-				
					weak sericite along quartz carb veinlets	39382			329	329.5	0.5	< 0.01	< 0.01		20		55
					bleached	39383			333.9	334.6	0.7	< 0.01	-		15		45
					a few narrow quartz carb veinlets	39384			358.7	359.45	0.75	< 0.01	-		4		
					a few narrow quartz carb veinlets	39385			372.8	373.6	0.8	< 0.01	-		8		
						39386			389	389.6	0.6	< 0.01	-		10		55

From (m)	To (m)	Rock Type	Code	Description	Sample Details	Sample#	Sample Type	Reference	From (m)	To (m)	Width (m)	Au g/t	Au 2 g/t	Py %	Qtz %	Bedding ° to Core Axis	Qtz ° to Core Axis
					sericitic along quartz carb veinlets	39387			397.9	398.2	0.3	< 0.01	-		30		50
					sericitic along quartz carb veinlets	39388			398.2	398.7	0.5	< 0.01	-		15		45
					sericitic along quartz carb veinlets	39389			406.9	407.5	0.6	< 0.01	-		8		50
						39390		Original	407.5	408	0.5	< 0.01	-		5		70
						39391	Duplicate	Dup	407.5	408		< 0.01	-				
						39392	Blank	Marble				< 0.01	-				
					fine grained disseminated pyrite 0.25 %	39393			408	409	1	< 0.01	< 0.01		1		70
					fine grained disseminated pyrite 0.5 %	39394			409	410	1	< 0.01	-	0.5			
					fine grained disseminated pyrite 0.5 %	39395			410	411	1	< 0.01	-	0.5			
					fine grained disseminated pyrite 0.5 %	39396			411	412	1	< 0.01	-	0.5			
					fine grained disseminated pyrite 0.5 %	39397			412	413	1	< 0.01	-	0.5	1		
					fine grained disseminated pyrite 0.5 %	39398			413	414	1	< 0.01	-	0.5	1		
					fine grained disseminated pyrite 0.5 %	39399			414	415	1	< 0.01	-	0.5	1		
					fine grained disseminated pyrite 0.5 %	39400			415	416	1	< 0.01	-	0.5	1		
						39401	Standard	50c				0.84	-				
					fine grained disseminated pyrite 0.5 %	39402			416	417	1	< 0.01	-	0.5			
					fine grained disseminated pyrite 0.5 %	39403			417	418	1	< 0.01	0.01	0.5			
					fine grained disseminated pyrite 0.5 %	39404			418	419	1	< 0.01	-	0.5			
					fine grained disseminated pyrite 0.5 %	39405			419	420	1	< 0.01	-	0.5			
					fine grained disseminated pyrite 0.5 %	39406			420	421	1	< 0.01	-	0.5			
					fine grained disseminated pyrite 0.5 %	39407			421	422	1	< 0.01	-	0.5			
					fine grained disseminated pyrite 0.5 %	39408			422	423	1	< 0.01	-	0.5			
					fine grained disseminated pyrite 0.5 %	39409			423	424	1	< 0.01	-	0.5			
					fine grained disseminated pyrite 0.5 %	39410		Original	424	425	1	< 0.01	-	0.5	1		
						39411	Duplicate	Dup	424	425		< 0.01	-				
						39412	Blank	Marble				< 0.01	-				
					fine grained disseminated pyrite 0.5 %	39413			425	426	1	< 0.01	0.01	0.5			
					fine grained disseminated pyrite 0.5 %	39414			426	427	1	< 0.01	-	0.5			

From (m)	To (m)	Rock Type	Code	Description	Sample Details	Sample#	Sample Type	Reference	From (m)	To (m)	Width (m)	Au g/t	Au 2 g/t	Py %	Qtz %	Bedding ° to Core Axis	Qtz ° to Core Axis
					fine grained disseminated pyrite 0.5 %	39415			427	428	1	< 0.01	-	0.5			
					fine grained disseminated pyrite 0.5 %	39416			428	429	1	< 0.01	-	0.5			
					fine grained disseminated pyrite 0.5 %	39417			429	430	1	< 0.01	-	0.5			
					fine grained disseminated pyrite 0.5 %	39418			430	431	1	< 0.01	-	0.5			
					fine grained disseminated pyrite 0.5 %	39419			431	432	1	< 0.01	-	0.5			
					fine grained disseminated pyrite 0.5 %	39420			432	433	1	< 0.01	-	0.5	1		
						39421	Standard	50c				0.83	-				
					fine grained disseminated pyrite 0.5 %	39422			433	434	1	0.01	-	0.5			
					fine grained disseminated pyrite 0.5 %	39423			434	435	1	< 0.01	< 0.01	0.5	1		
					fine grained disseminated pyrite 0.5 %	39424			435	436	1	0.02	-	0.5	1		
					fine grained disseminated pyrite 0.5 %	39425			436	437	1	0.01	-	0.5	3		
					fine grained disseminated pyrite 0.5 %	39426			437	438	1	0.01	-	0.5			
					fine grained disseminated pyrite 0.5 %	39427			438	439	1	< 0.01	-	0.5	2		
					fine grained disseminated pyrite 0.25 %	39428			439	440	1	0.01	-	0.25	3		
					fine grained disseminated pyrite 0.25 %	39429			440	441	1	< 0.01	-	0.25	1		
					fine grained disseminated pyrite 0.25 %	39430		Original	441	442	1	0.01	-	0.25			
						39431	Duplicate	Dup	441	442		0.01	-				
						39432	Blank	Marble				< 0.01	-				
					fine grained disseminated pyrite 0.25 %	39433			442	443	1	< 0.01	< 0.01	0.25	2		
					fine grained disseminated pyrite 0.25 %	39434			443	444	1	0.01	-	0.25			
					fine grained disseminated pyrite 0.25 %	39435			444	445	1	< 0.01	-	0.25			
					fine grained disseminated pyrite 0.25 %	39436			445	446	1	< 0.01	-	0.25	3		
					fine grained disseminated pyrite 0.25 %	39437			446	447	1	< 0.01	-	0.25			
					fine grained disseminated pyrite 0.25 %	39438			447	448	1	< 0.01	-	0.25			
					fine grained disseminated pyrite 0.25 %	39439			448	449	1	< 0.01	-	0.25	2		

From (m)	To (m)	Rock Type	Code	Description	Sample Details	Sample#	Sample Type	Reference	From (m)	To (m)	Width (m)	Au g/t	Au 2 g/t	Py %	Qtz %	Bedding ° to Core Axis	Qtz ° to Core Axis
						39440	Standard	50c				0.81	-				
					fine grained disseminated pyrite 0.25 %	39441			449	450	1	< 0.01	-	0.25	2		
					fine grained disseminated pyrite 0.25 %	39442			450	451	1	< 0.01	-	0.25	3		
					fine grained disseminated pyrite 0.25 %	39443			451	452	1	0.01	< 0.01	0.25	2		
					fine grained disseminated pyrite 0.25 %	39444			452	453	1	< 0.01	-	0.25	9		
					fine grained disseminated pyrite 0.25 %	39445			453	454	1	< 0.01	-	0.25			
					fine grained disseminated pyrite 0.25 %	39446			454	455	1	< 0.01	-	0.25			
					white quartz carb filling around clasts trace py	39447			455	456	1	< 0.01	-		10		
					white quartz carb filling around clasts trace py	39448			456	457	1	< 0.01	-		5		
					white quartz carb filling around clasts trace py	39449			457	458	1	< 0.01	-		15		
					white quartz carb filling around clasts trace py	39450		Original	458	459	1	< 0.01	-		10		
						39451	Duplicate	Dup	458	459		< 0.01	0.01				
						39452	Blank	Marble				< 0.01	-				
					weak bleaching, trace py	39453			464	464.4	0.4	< 0.01	-		10		60
					weak bleaching, trace py	39454			464.4	465	0.6	< 0.01	-		1		
					weak bleaching, trace py	39455			465	465.8	0.8	< 0.01	-		1		
					weak bleaching, trace py	39456			465.8	466.25	0.45	< 0.01	-				
					weak bleaching, trace py	39457			466.25	466.75	0.5	< 0.01	-		10		
						39458			466.75	467.05	0.3	< 0.01	-		10		
					2 cm wide pale green quartz carb vein @ 25 deg to CA, trace py	39459			484.9	485.2	0.3	< 0.01	-		15		25
						39460			507	508	1	< 0.01	-		3		
						39461	Standard	50c				0.81	-				
					4 cm wide white quartz carb vein at 508.5 m @ 80 deg to CA, trace py	39462			508.35	508.65	0.3	< 0.01	< 0.01		12		80
					3 cm wide light green-pink quartz carb vein at 25 deg to CA, trace py	39463			512.1	512.4	0.3	< 0.01	-		10		25
					white quartz carb filling around clasts trace py	39464			514	514.6	0.6	< 0.01	-		15		
					weakly sericitic, trace pyrite	39465			525	525.4	0.4	< 0.01	-		5		
					3 cm wide pink quartz vein @ 15 deg to CA, trace pyrite	39466			526.2	526.6	0.4	< 0.01	-		8		15
					weakly sericitic, irregular semi massive pyrite band 1 to 2 cm wide @ 538 m @ 10 to 20 deg to CA	39467			537.8	538.2	0.4	< 0.01	-	3	3		10

From (m)	To (m)	Rock Type	Code	Description	Sample Details	Sample#	Sample Type	Reference	From (m)	To (m)	Width (m)	Au g/t	Au 2 g/t	Py %	Qtz %	Bedding ° to Core Axis	Qtz ° to Core Axis
					3 cm wide quartz carb vein at 542.55 @ 40 deg to CA, sericitic and bleaching along quartz veinlets, trace pyrite	39468			542.3	542.8	0.5	< 0.01	-		10		40
					5 cm wide quartz carb vien at 543.6 m @ 45 deg to CA, trace pyrite	39469			543.4	543.8	0.4	< 0.01	-		15		45
					2 cm wide pink quartz carb vein at 545.5 m @ 30 deg to CA, trace pyrite	39470		Original	545.1	545.7	0.6	< 0.01	-		7		30
						39471	Duplicate	Dup	545.1	545.7		< 0.01	< 0.01				
						39472	Blank	Marble				< 0.01	-				
					a few narrow quartz carb veinlets @ 40 to 80 deg to CA, bleached and weakly sericitic along the veins, trace pyrite	39473			554.2	555	0.8	< 0.01	-		8		
					a few quartz stringers generally at 70 deg to CA, bleached and weakly sericitic around the stringers, trace pyrite	39474			555.4	555.9	0.5	< 0.01	-		10		
					narrow white-pink quartz carb veinlets at low angles to the CA, trace py	39475			579	580	1	< 0.01	-		10		
					narrow white-pink quartz carb veinlets at low angles to the CA, trace py	39476			580	581	1	< 0.01	-		10		
					narrow white-pink quartz carb veinlets at low angles to the CA, trace py	39477			581	581.4	0.4	< 0.01	-		5		
581.4	634.6	Tuff	T4	subangular and angular clasts generally less than 3 cm, dark green, pale green and pink in a grey-green matrix, no pink clasts below 598.2 m, non magnetic.													
				581.4 to 589 - 0.25 to 10 % fg disseminated pyrite, some quartz carb veinlets and irregular quartz, usually pinkish-white, at low to moderate angles to the CA													
				598.2 to 634.6 - 0.5 to 10 % fg pyrite as disseminations, blebs and stringers, from 623 to 628.5 m surface of core is rough/pitted; softer rock													
					narrow white-pink quartz carb veinlets at 15 to 20 deg to the CA and irregular quartz, 0.5 to 1 % diss py	39478			581.4	582	0.6	0.03	-	0.75	10		
					irregular white-pink quartz carb, trace to 0.5 % diss py	39479			582	583	1	0.02	-	0.25	5		
					irregular white-pink quartz carb, 1 % diss py	39480			583	583.6	0.6	0.01	-	1	10		
						39481	Standard	50c				0.82	-				
					trace pyrite	39482			583.6	584.2	0.6	0.03	0.03		4		

From (m)	To (m)	Rock Type	Code	Description	Sample Details	Sample#	Sample Type	Reference	From (m)	To (m)	Width (m)	Au g/t	Au 2 g/t	Py %	Qtz %	Bedding ° to Core Axis	Qtz ° to Core Axis
					irregular white-pink quartz carb, 5 % diss py, foliation @ 20 deg to CA	39483			584.2	585	0.8	0.03	-	5	4		
					1 to 5 % diss pyrite	39484			585	585.3	0.3	0.01	-	2			
					0.5 % diss py	39485			585.3	586	0.7	< 0.01	-	0.5	1		
					0.5 % diss py	39486			586	587	1	< 0.01	-	0.5	2		
					0.25 % diss py	39487			587	588	1	< 0.01	-	0.25	1		
					0.5 % diss py	39488			588	588.5	0.5	< 0.01	-	0.5	1		
					trace py	39489			588.5	589	0.5	< 0.01	-		1		
						39490		Original	589	590	1	< 0.01	-				
						39491	Duplicate	Dup	589	590		< 0.01	< 0.01				
						39492	Blank	Marble				< 0.01	-				
					0.25 % diss py	39493			590	591	1	< 0.01	-	0.25	1		
						39494			597.5	598	0.5	< 0.01	-		1		
						39495			598	599	1	0.01	-	4	6		
						39496			599	600	1	< 0.01	-	3	3		
						39497			600	601	1	< 0.01	-	3.5	3		
						39498			601	602	1	< 0.01	-	2	1		
						39499			602	603	1	< 0.01	-	1.5			
						39500			603	604	1	< 0.01	-	3			
						39551	Standard	50c				0.86	-				
						39552			604	605	1	< 0.01	-	4			
						39553			605	606	1	< 0.01	< 0.01	3	1		
						39554			606	607	1	< 0.01	-	3			
						39555			607	608	1	< 0.01	-	5			
						39556			608	609	1	< 0.01	-	1	1		
						39557			609	610	1	< 0.01	-	3	4		
						39558			610	611	1	< 0.01	-	3	3		
						39559			611	612	1	< 0.01	-	7	2		
						39560		Original	612	613	1	< 0.01	-	4			
						39561	Duplicate	Dup	612	613		< 0.01	-				
						39562	Blank	Marble				< 0.01	-				
						39563			613	614	1	< 0.01	< 0.01	3.5	2		
						39564			614	615	1	< 0.01	-	4			
						39565			615	616	1	< 0.01	-	3			
						39566			616	617	1	< 0.01	-	1			
						39567			617	618	1	< 0.01	-	2			
						39568			618	619	1	< 0.01	-	2.5	1		
						39569			619	620	1	0.01	-	1.5			
						39570			620	621	1	< 0.01	-	2	1		
						39571	Standard	50c				0.83	-				
						39572			621	622	1	< 0.01	-	3			
						39573			622	623	1	< 0.01	< 0.01	2.5			
						39574			623	624	1	< 0.01	-	3			
						39575			624	625	1	< 0.01	-	3			
						39576			625	626	1	< 0.01	-	8			
						39577			626	627	1	< 0.01	-	5			
						39578			627	628	1	< 0.01	-	8			

From (m)	To (m)	Rock Type	Code	Description	Sample Details	Sample#	Sample Type	Reference	From (m)	To (m)	Width (m)	Au g/t	Au 2 g/t	Py %	Qtz %	Bedding ° to Core Axis	Qtz ° to Core Axis
						39579			628	629	1	< 0.01	-	5			
						39580		Original	629	630	1	< 0.01	-	5			
						39581	Duplicate	Dup	629	630		< 0.01	-				
						39582	Blank	Marble				< 0.01	-				
						39583			630	631	1	< 0.01	< 0.01	3			
						39584			631	632	1	< 0.01	-	3	2		
						39585			632	633	1	< 0.01	-	7			
						39586			633	634	1	< 0.01	-	3			
						39587			634	634.6	0.6	< 0.01	-	2	1		
634.6	635	Conglomerate	T2	Rounded clasts to 3 cm in diameter, assorted rock types and colors, magnetic, upper contact at about 40 deg to CA, lower contact at about 40 deg to CA.													
						39588			634.6	635	0.4	< 0.01	-				
635	635.1	Tuff	T4	As from 598.2 to 634.6, 5 % py													
635.1	635.7	Tuff	T4	Clasts less than 3 mm, light pink in a dark grey matrix, contacts at about 35 to 40 deg to CA, 5 % pyrite													
						39589			635	635.7	0.7	< 0.01	-	5			
635.7	648	Conglomerate	T2	Rounded clasts to 15 cm in diameter, assorted rock types and colors, a few red jasper clasts, moderately to strongly magnetic, no visible sulphide, < 1% quartz stringers.													
						39590			635.7	636.5	0.8	< 0.01	-				
						39591	Standard	50c				0.81	-				
				EOH at 648 metres													

Opawica Explorations Inc.

Diamond Drill Log

Hole No.: TK-12-03

Length (m): 351
Azm: 143
Dip: -45

Local Grid Metric
Grid E: 562798
Grid N: 5328315
UTM Z 17 Nad 83
UTM E: 1095
UTM N: 1112
Elev. (m): 327

Project; Teck-Kirkland
Claim #: L16598, L6958
Township: Grenfell
Drilling Co.: Downing Drilling
Start Date: 4-Dec-12
Finish Date: 8-Dec-12
Core Size: NQ
Logged By: T. Link
Log Date: 16-Dec-12
Core Storage: Matachewan, Ontario

Survey:

depth (m)	azm (true)	dip	mag	type
15	143	-45	5471	Reflex
51	143.3	-44.2	5543	Reflex
102	143.6	-43	5567	Reflex
153	146.7	-42.5	5628	Reflex
201	145.3	-41.9	5600	Reflex
252	145.7	-41.1	5664	Reflex
300	146.9	-40.8	5625	Reflex

From (m)	To (m)	Rock Type	Code	Description	Sample Details	Sample#	Sample Type	Reference	From (m)	To (m)	Width (m)	Au g/t	Au 2 g/t	Py %	Qtz %	Qtz ° to Core Axis
0	3.7	Overburden	OVBD													
3.7	15.1	Tuff	T4	Medium grey to dark grey fine grain matrix, a few larger sub angular clasts to 3 cm across in some sections, bedding apparent from 11.8 to 12.7 m @ 50 deg to CA, weak to moderately magnetic, a few white to white-pink quartz carb veinlets to 6 cm wide generally at moderate to high angles to the CA, nil to trace pyrite.												
					3 quartz carbonate veins to 3 cm wide @ 40 deg to CA, trace py, cpy	39592			5	5.5	0.5	< 0.01	-		15	40
15.1	16.6	Syenite	A5	Basic? syenite, dark red-brown to grey, black and grey phenocrysts. Upper contact at 50 deg to CA, lower contact obscure, a few quartz carb stringers, no visible sulphides,												
					a few quartz carb veinlets at 25 and 80 deg to CA, trace pyrite	39593			16	16.6	0.6	0.01	-		12	
16.6	36.5	Tuff	T4	Medium grey to dark grey fine grain matrix, larger clasts to 5 cm in some sections, weak to moderately magnetic, very few white to white-pink quartz carb veinlets to 2 cm wide generally at various angles to the CA, nil to trace pyrite.												
				16.6 to 30.4 - fine grained, no larger clasts, from 19.7 to 23 m broken core												
				30.4 to 36.5 - composed of 20 to 70 % grey to dark grey to pink-brown angular to subangular clasts > 2 mm < 5 cm across in a medium grey to dark grey matrix,												
					broken core	39594			22	22.5	0.5	0.01	-		15	

From (m)	To (m)	Rock Type	Code	Description	Sample Details	Sample#	Sample Type	Reference	From (m)	To (m)	Width (m)	Au g/t	Au 2 g/t	Py %	Qtz %	Qtz ° to Core Axis
					20 cm wide band; quartz healed breccia at high angle to the CA, angular brown fragments in white and green quartz, no visible sulphides	39595			25.1	25.4	0.3	< 0.01	-		25	
					tuff to syenite transition, trace py	39596			36	37	1	0.01	-		3	
36.5	61.8	Syenite	A5	Basic? syenite ,dark red-brown to grey to pinkish-green, black and grey phenocrysts. From 36.5 to 48.5 moderately magnetic, from 48.5 to 61.8 non magnetic to weakly magnetic. Lower contact erratic at about 40 deg to CA. Lower part of unit is weakly to strongly altered. Sericitic sections, chloritic in places, some bleaching. Numerous quartz carbonate stringers, veinlets and veins to 8 cm wide in sections. Negligible sulphides, generally nil to trace pyrite with a few narrow intervals with up to 1 % pyrite.											
					white-pink quartz carbonate veinlets at various angles, trace pyrite	39597			37	38	1	< 0.01	-		4	
					white-pink quartz carbonate veinlets at various angles, trace pyrite	39598			38	39	1	0.01	-		3	
					white-pink quartz carbonate veinlets at various angles, trace pyrite	39599			39	40	1	< 0.01	-		2	
						39600		Original	40	41	1	0.01	-		1	
						39601	Duplicate	Dup	40	41		< 0.01	< 0.01			
						39602	Blank	Marble				< 0.01	-			
						39603			41	42	1	< 0.01	-		1	
					white-pink quartz carbonate veinlets at various angles; 20 degrees generally, trace pyrite	39604			44	45	1	< 0.01	-		5	20
					white-pink quartz carbonate veinlets at various angles, trace pyrite	39605			45	46	1	< 0.01	-		2	
					1 cm wide white-pink quartz carbonate veinlet at 46.3 m, at 20 deg to CA, trace py	39606			46	47	1	< 0.01	-		1	20
						39607			47	48	1	0.01	-		3	
					narrow white quartz carbonate stringers generally at high angles to the CA, weak sericite alteration, no visible sulphides	39608			48	49	1	< 0.01	-		10	
					narrow white quartz carbonate stringers generally at high angles to the CA, weak sericite alteration, trace pyrite	39609			49	50	1	< 0.01	-		7	

From (m)	To (m)	Rock Type	Code	Description	Sample Details	Sample#	Sample Type	Reference	From (m)	To (m)	Width (m)	Au g/t	Au 2 g/t	Py %	Qtz %	Qtz ° to Core Axis
					narrow white quartz carbonate stringers generally at high angles to the CA, weak sericite alteration, trace pyrite	39610			50	50.4	0.4	< 0.01	-		5	
						39611	Standard	50c				0.87	-			
					transition from grey-green to pink, numerous narrow quartz carbonate stringers at various angles to the CA, weak to strong sericite alteration, trace pyrite	39612			50.4	51	0.6	< 0.01	< 0.01		10	
					5 cm wide pink quartz carb vein at 51.2 m @ 40 deg to CA, strong sericite alteration, trace pyrite	39613			51	51.4	0.4	0.02	-		25	
						39614			51.4	52.2	0.8	< 0.01	-		3	
					numerous white quartz carb stringers at generally high angles to the CA, weak sericite alteration trace pyrite.	39615			52.2	53.2	1	< 0.01	-		10	
					white and pink-white quartz carb veinlets, generally at angles from 45 to 65 deg to CA, moderate sericite alteration, bleached, no visible sulphides	39616			53.2	54.3	1.1	< 0.01	-		13	55
					broken core, chloritic, a few irregular white quartz carb veinlets at 45 to 60 deg to CA, weak sericite alteration,	39617			54.3	55	0.7	< 0.01	-		10	
					a few quartz carb veinlets at various angles, nil to 1 % disseminated fg pyrite	39618			55	55.5	0.5	< 0.01	-	0.25	8	
					a few quartz carb veinlets at various angles	39619			55.5	56	0.5	< 0.01	-		5	
					a few quartz carb veinlets at various angles	39620		Original	56	57	1	< 0.01	-		3	
						39621	Duplicate	Dup	56	57		< 0.01	< 0.01			
						39622	Blank	Marble				< 0.01	-			
					a few quartz carb veinlets at various angles	39623			57	58	1	0.02	-		7	
					a few quartz carb veinlets at various angles	39624			58	58.7	0.7	0.01	-		4	
					numerous quartz carb veinlets at various angles	39625			58.7	59.4	0.7	< 0.01	-		15	
					a few quartz carb veinlets at various angles	39626			59.4	60	0.6	< 0.01	-		8	
					numerous quartz carb veinlets at various angles	39627			60	61	1	< 0.01	-		10	

From (m)	To (m)	Rock Type	Code	Description	Sample Details	Sample#	Sample Type	Reference	From (m)	To (m)	Width (m)	Au g/t	Au 2 g/t	Py %	Qtz %	Qtz ° to Core Axis
61.8	70	Tuff	T4	Fine grained dark red-brown to medium green to 66.8 m, from 66.8 m composed of 50 to 80 % grey to dark grey to pink-brown angular to subangular clasts > 2 mm < 4 cm across in a medium grey to dark grey matrix, non magnitic, few qcv at various angles, nil py												
					numerous quartz carb veinlets at various angles	39628			61	62	1	0.01	-		15	
					a few quartz carb veinlets at various angles	39629			62	63	1	0.01	-		3	
						39630			63	63.5	0.5	< 0.01	-			
						39631	Standard	50c				0.87	-			
					trace pyrite	39632			63.5	63.8	0.3	0.01	0.01		12	
						39633			63.8	65	1.2	< 0.01	-		5	
					trace pyrite	39634			65	65.6	0.6	< 0.01	-		7	
					weak to moderate sericite alteration, a few quartz carb veinlets at high angles to the CA	39635			65.6	66.3	0.7	< 0.01	-		7	
					weak to strong sericite alteration, quartz carb veinlets and veins at high angles to the CA, no visible sulphides	39636			66.3	67	0.7	< 0.01	-		25	70
					weak to moderate sericite alteration, a few quartz carb veinlets at high angles to the CA	39637			67	67.5	0.5	< 0.01	-		2	
					weak to moderate sericite alteration, a few quartz carb veinlets at various angles	39638			67.5	68.4	0.9	< 0.01	-		10	
					a few quartz carb veinlets at various angles	39639			68.4	69	0.6	< 0.01	-		4	
					a few white quartz carb veinlets at generally 45 to 60 deg to CA	39640		Original	69.5	70	0.5	0.01	-		6	50
						39641	Duplicate	Dup	69.5	70		< 0.01	< 0.01			
						39642	Blank	Marble				< 0.01	-			
70	240.15	Syenite	A5	Basic? syenite, medium grained (phenocrysts generally 1 to 4 mm across), various colors - sections of medium grey-green, dark-red, dark red-brown, light green and pink. The unaltered sections are dark red-brown, medium grey-green and are weakly to moderately magnetic, the altered sections are dark red, pink or light green, are non magnetic and have a greater percentage of quartz veining, sericite, chlorite and trace pyrite. Lower contact at 85 deg to CA												

From (m)	To (m)	Rock Type	Code	Description	Sample Details	Sample#	Sample Type	Reference	From (m)	To (m)	Width (m)	Au g/t	Au 2 g/t	Py %	Qtz %	Qtz ° to Core Axis
				From 77.5 to 80.55 m - dark red, non magnetic, 10 % quartz carb veinlets, trace pyrite												
				From 109.7 to 113.8 m - altered, generally pale green, non magnetic, 15 % quartz carb veinlets generally at 40 to 50 deg to CA, weakly to strongly sericitic, chloritic, trace pyrite												
				From 155 m downward irregular patches up to 25 cm wide of fine grained dark grey rock irregularly distributed and comprising 5 % of the core, occasionally containing 1 to 3 % fg pyrite												
				From 165.2 to 167.8 - pale green, non magnetic, a few quartz veins to 5 cm wide at 55 deg to CA, moderate to strong sericite alteration along the quartz veins, trace py												
					a few white quartz carb veinlets and dark green-black chlorite veinlets at 30 to 60 deg to CA, trace fg pyrite mostly along and within the veinlets	39643			70	71	1	< 0.01	-		3	
					a few white quartz carb veinlets at various angles, trace py	39644			71	72	1	< 0.01	-		4	
					a few white quartz carb veinlets at various angles, trace py	39645			72	73	1	< 0.01	-		2	
					a few white quartz carb veinlets at various angles, trace py	39646			73	74	1	< 0.01	-		4	
					trace pyrite, 5 cm wide white quartz carb vein @ 50 deg to CA at 74.4 m,, weak sericite alteraton within/along vein	39647			74	74.5	0.5	< 0.01	-		20	50
					a few white quartz carb veinlets, trace py	39648			74.5	75	0.5	< 0.01	-		4	
				`	a few white quartz carb veinlets at 50 deg to CA, trace py	39649			77.5	78.3	0.8	< 0.01	-		7	50
					a few white quartz carb veinlets at various angles, trace py	39650			78.3	79	0.7	< 0.01	-		12	
						39651	Standard	50c				0.87	-			
					a few white quartz carb stringers at various angles, trace py	39652			79	79.8	0.8	< 0.01	< 0.01		4	
					a few white quartz carb veinlets at 50 deg to CA, trace py	39653			79.8	80.55	0.75	< 0.01	-		11	50
						39654			82.2	82.6	0.4	< 0.01	-		2	
					a few white quartz carb veinlets at 15 to 55 deg to CA, trace py	39655			83.8	84.5	0.7	< 0.01	-		9	

From (m)	To (m)	Rock Type	Code	Description	Sample Details	Sample#	Sample Type	Reference	From (m)	To (m)	Width (m)	Au g/t	Au 2 g/t	Py %	Qtz %	Qtz ° to Core Axis
					a few white quartz carb veinlets at 40 deg to CA, trace py	39656			84.5	85.1	0.6	< 0.01	-		9	40
					trace py, at 85.4 m - 10 cm wide band with 50% white quartz, moderatley sericitic, some chlorite	39657			85.1	85.7	0.6	< 0.01	-		10	60
					low angle, irregular white-pink quartz carb veining, trace py	39658			87.2	87.7	0.5	< 0.01	-		5	
					trace disseminated fg pyrite along contact of syenite and pale green intermediate dyke (or tuff)	39659			93.1	93.4	0.3	< 0.01	-			
					trace disseminated fg pyrite along lower contact of pale green intermediate dyke (or tuff) and syenite	39660		Original	93.8	94.2	0.4	< 0.01	-			
						39661	Duplicate	Dup	93.8	94.2		< 0.01	< 0.01			
						39662	Blank	Marble				< 0.01	-			
					a few white quartz carb veinlets at various angles, trace py	39663			94.2	94.6	0.4	< 0.01	-		5	
					a few white quartz carb veinlets at various angles, trace py	39664			95.7	96.1	0.4	< 0.01	-		12	
						39665			96.1	96.5	0.4	< 0.01	-		1	
					a few white quartz carb veinlets and dark green-black chlorite stringers at various angles, trace py	39666			96.5	97.1	0.6	< 0.01	-		8	
					a few white quartz carb veinlets and bleaching at various angles, trace py	39667			97.1	98	0.9	< 0.01	-		3	
					a few white quartz carb veinlets and bleaching at various angles, trace py	39668			98	99	1	< 0.01	-		5	
					a few white quartz carb veinlets and bleaching at various angles, trace py	39669			99	99.8	0.8	< 0.01	-		4	
					a few white quartz carb veinlets, trace py	39670			104.1	104.6	0.5	< 0.01	-		5	
						39671	Standard	50c				0.88	-			
					a few white quartz carb veinlets at 40 deg to CA, weak to moderate sericite and chlorite alteration, trace py	39672			105.2	105.7	0.5	0.02	0.02		5	40
					a few white quartz carb veinlets at 60 deg to CA, trace py	39673			105.7	106	0.3	< 0.01	-		3	
					trace fg to mg pyrite	39674			107.2	107.7	0.5	< 0.01	-		2	55
					a few white irregular quartz veinlets at various angles	39675			107.7	108.3	0.6	< 0.01	-		12	
					strong alteration, 50 % quartz at 45 deg to CA, a few chlorite seams to 1 cm wide, weakly to strongly sericitic, trace fg pyrite	39676			109.7	110.5	0.8	< 0.01	-		50	45

From (m)	To (m)	Rock Type	Code	Description	Sample Details	Sample#	Sample Type	Reference	From (m)	To (m)	Width (m)	Au g/t	Au 2 g/t	Py %	Qtz %	Qtz ° to Core Axis
					a few white irregular quartz veinlets at various angles, weakly sericitic	39677			110.5	110.9	0.4	< 0.01	-		5	
					strong alteration, chloritic, weakly to strongly sericitic,10 % quartz at 45 deg to CA, trace fg pyrite	39678			110.9	111.4	0.5	< 0.01	-		10	45
						39679			111.4	111.9	0.5	< 0.01	-		2	
					a few white quartz veinlets at 50 deg to CA, weakly sericitic, trace py	39680		Original	111.9	112.4	0.5	0.05	-		12	50
						39681	Duplicate	Dup	111.9	112.4		0.02	0.02			
						39682	Blank	Marble				< 0.01	-			
					strong alteration, chloritic, weakly to strongly sericitic,13 % quartz at 55 deg to CA, trace fg pyrite, at 112.8 m - 8 cm of badly broken core	39683			112.4	113.1	0.7	0.02	-		13	55
					a few white quartz carb veinlets various angles, trace py	39684			113.1	113.8	0.7	< 0.01	-		5	
						39685			113.8	114.3	0.5	< 0.01	-			
					at 114.5 m - 2 cm wide quartz and chlorite @ 20 deg to CA, trace py	39686			114.3	114.7	0.4	0.01	-		5	20
					a few white quartz carb veinlets	39687			118.4	118.9	0.5	< 0.01	-		4	
					chloritic, weakly sericitic, trace pyrite, at 114.1 - 3 cm wide white quartz carb vein at 35 deg to CA	39688			118.9	119.3	0.4	< 0.01	-		12	35
					a few irregular chlorite stringers, weakly sericitic	39689			119.3	119.8	0.5	< 0.01	-		1	
					a few white-pink quartz carb veinletsat high angles to the CA, trace py	39690			120.8	121.5	0.7	< 0.01	-		10	70
						39691	Standard	50c				0.88	-			
					a few white-pink quartz carb veinlets at high angles to the CA, weak to strong sericite in sections, trace py	39692			121.5	122	0.5	0.01	-		5	
					a few white-pink quartz carb veinlets at high angles to the CA, weak sericite in sections, trace py	39693			122	123	1	< 0.01	-		3	
					a few white quartz carb veinlets and stringers at various angles to the CA, trace py	39694			123	124	1	< 0.01	-		6	
						39695			124	125	1	< 0.01	-		2	
						39696			125	125.5	0.5	< 0.01	-			
					erratic white quartz and bleaching in sections	39697			128	128.5	0.5	< 0.01	-		4	
					bleaching in sections	39698			128.5	129.4	0.9	< 0.01	-		1	
					a few irregular white quartz carb veinlets at various angles, trace py	39699			129.4	129.9	0.5	< 0.01	-		8	

From (m)	To (m)	Rock Type	Code	Description	Sample Details	Sample#	Sample Type	Reference	From (m)	To (m)	Width (m)	Au g/t	Au 2 g/t	Py %	Qtz %	Qtz ° to Core Axis
					at 135.05 - 2 cm wide white quartz carb vein at 30 deg to CA	39700		Original	134.9	135.2	0.3	< 0.01	< 0.01		6	30
						39701	Duplicate	Dup	134.9	135.2		< 0.01	-			
						39702	Blank	Marble				< 0.01	-			
					a few quartz carb stringers at various angles, trace py	39703			135.6	136	0.4	< 0.01	-		2	
					quartz healed breccia, white and grey quartz, trace py	39704			138	138.6	0.6	< 0.01	-		30	
					a little irregualr white quartz and chlorite, trace py	39705			139.5	140	0.5	< 0.01	-		3	
					3 quartz carbonate veins @ 50 deg to CA, 4 to 8 cm wide, chlorite seams	39706			140	140.5	0.5	< 0.01	-		50	50
					a few irregular white quartz veinlets at various angles	39707			140.5	141	0.5	< 0.01	-		10	
					1 cm wide pink quartz carb vein at 20 deg to CA	39708			142	142.4	0.4	0.02	-		6	15
					1 cm wide irregular white-pink quartz carb vein at 10 deg to CA	39709			147.3	147.8	0.5	< 0.01	-		5	10
					.5 cm wide white-pink quartz carb vein at 30 deg to CA	39710			153.25	153.8	0.55	< 0.01	< 0.01		2	30
						39711	Standard	50c				0.86	-			
					20 % irregular mass dark grey fine grained rock containing 2 % fg py	39712			158	158.4	0.4	0.02	-	0.5		
					a couple of white-pink quartz carb veinlets	39713			160.6	161	0.4	< 0.01	-		4	
					pale green, weak sericite	39714			165.2	165.85	0.65	< 0.01	-		1	
					some white quartz carb veining to 6 cm wide at 55 deg to CA, strong sericite alteration along the veins, trace pyrite	39715			165.85	166.25	0.4	< 0.01	-		15	55
					some white quartz carb veining to 7 cm wide at 55 deg to CA, moderate sericite alteration along the veins, trace pyrite	39716			166.25	166.75	0.5	< 0.01	-		25	55
					some irregular quartz veinlets and quartz, weak to moderate sericite alteration	39717			166.75	167.4	0.65	< 0.01	-		9	
					a couple of white-pink quartz carb veinlets 2 to 2.5 cm wide, weak sericite alteration, trace py	39718			167.4	167.8	0.4	< 0.01	-		7	55
					at 168.35 m - 0.5 cm wide pink quartz carb veinlet at 30 deg to CA, bleached below veinlet	39840			168.2	168.6	0.4	< 0.01	-		2	30

From (m)	To (m)	Rock Type	Code	Description	Sample Details	Sample#	Sample Type	Reference	From (m)	To (m)	Width (m)	Au g/t	Au 2 g/t	Py %	Qtz %	Qtz ° to Core Axis
					60 % irregular mass dark grey fine grained rock containing 1 % fg py as disseminations and fracture fillings	39719			182	182.7	0.7	0.05	-	0.5	1	
					a few white-pink quartz carb veinlets at 45 to 70 deg to CA, trace py	39720		Original	203	204	1	< 0.01	-		5	
						39721	Duplicate	Dup	203	204		< 0.01	< 0.01			
						39722	Blank	Marble				< 0.01	-			
					pale green, weak sericite, chloritic, a few white-pink quartz carb veinlets at 70 to 90 deg to CA	39723			204.7	205.2	0.5	< 0.01	-		6	
					grey-green, a few white-pink quartz carb veinlets at 60 to 80 deg to CA, a few chlorite seams	39724			205.2	206	0.8	< 0.01	-		4	
					a few white-pink quartz carb veinlets at 15 to 35 deg to CA, chlorite along the veinlets, trace py	39725			210.6	211.4	0.8	< 0.01	-		5	
					a few white-pink quartz carb veinlets at 15 to 40 deg to CA, weak sericite along the veinlets, chlorite seams adjacent the veinlets, trace py	39726			220.4	221	0.6	< 0.01	-		3	
					a narrow irregular white-pink quartz carb veinlet at low angle to the CA, chlorite seams adjacent the veiinlet, trace pyrite	39727			222	223	1	< 0.01	-		7	
					some irregular white quartz carb and a 1 cm wide pink quartz carb veinlet at 40 deg to CA, some chlorite around the quartz carb	39728			236.6	237	0.4	< 0.01	-		5	40
					syenite to tuff transition	39729			239.9	240.4	0.5	< 0.01	-			
240.15	250.05	Tuff	T4	Fine grained, dark grey, magnetic with sections of pink to 242.8 m , bedding apparent in the upper part @ 45 deg to CA, some thin beds to 5 mm wide contain a few percent of fg to mg pyrite. At 241.4 m - 10 cm wide white quartz vein, UC at 45, LC at 55 deg to CA. A few white and pink quartz carb stringers and veinlets throughout at various angles.												
					trace fg to mg pyrite along some beds	39730			240.4	241.25	0.85	< 0.01	-			
						39731	Standard	50c				0.8	-			
					At 241.4 m - 10 cm wide white quartz vein at 45 deg to ca	39732			241.25	241.6	0.35	< 0.01	< 0.01		60	45
					trace fg to mg pyrite along some beds	39733			241.6	242.4	0.8	< 0.01	-		1	
					a few white quartz carb veinlets at various angles, trace fg to mg pyrite along some beds	39734			242.4	243	0.6	< 0.01	-		3	

From (m)	To (m)	Rock Type	Code	Description	Sample Details	Sample#	Sample Type	Reference	From (m)	To (m)	Width (m)	Au g/t	Au 2 g/t	Py %	Qtz %	Qtz ° to Core Axis
					a few white quartz carb veinlets at various angles, trace fg to mg pyrite along some beds	39735			243	244	1	< 0.01	-		7	
					a few white quartz carb stringers at various angles	39736			244	245	1	< 0.01	-		3	
					a few white-pink quartz carb veinlets at various angles	39737			246.7	247.2	0.5	< 0.01	-		4	
					irregular quartz veinlets and quartz at generally 25 to 35 deg to CA, a 10 cm wide band of lapilli tuff at 249.7 m at 25 deg to CA	39738			249.4	250.1	0.7	< 0.01	-		6	
250.05	266.1	Syenite	A5	Felsic? syenite, non magnetic, pink with green-black chlorite interstitial to the pink. A few white and pink quartz carbonate veinlets to 2 cm wide at various angles. Nil to trace pyrite.												
					a 1 cm wide quartz carb veinlet at 20 deg to CA	39739			250.7	251	0.3	< 0.01	-		6	
					a few white quartz carb veinlets at various angles	39740		Original	252.3	252.7	0.4	< 0.01	-		7	
						39741	Duplicate	Dup	252.3	252.7		< 0.01	< 0.01			
						39742	Blank	Marble				< 0.01	-			
					at 253.2 m - a 2.5 cm wide band of thinly laminated quartz carb	39743			253.2	253.6	0.4	< 0.01	-		4	25
					a few white-pink quartz carb veinlets at 45 to 55 deg to CA	39744			253.6	254.1	0.5	< 0.01	-		4	
					some irregular white-pink quartz carb	39745			256.2	256.5	0.3	< 0.01	-		10	
						39746			256.5	257	0.5	< 0.01	-		3	
						39747			259.6	260	0.4	< 0.01	-		5	
					some irregular white quartz carb veinlets around a 7 cm wide band of grey tuff at 50 deg to CA	39748			260	260.5	0.5	< 0.01	-		4	
						39749			260.5	260.8	0.3	< 0.01	-		6	
					2.5 cm wide quartz carb at 30 deg to CA	39750			261	261.4	0.4	< 0.01	-		7	30
						39751	Standard	50c				0.85	-			
					some irregualar quartz carb veinlets	39752			263.5	263.8	0.3	< 0.01	< 0.01		6	
					a few white-pink quartz carb veinlets	39753			264.8	265.5	0.7	< 0.01	-		7	
266.1	301.9	Tuff	T4	Grey to dark grey, generally moderately magnetic. A few white and pink quartz carbonate veinlets to 3 cm wide at various angles. Nil to trace pyrite. Fine tuff above 275.2. Below 275.2 to 293.1 clasts up to 5 cm are present in sections, the clasts are angular to rounded, grey, dark grey and pink-brown. Fine tuff below 293.1.												

From (m)	To (m)	Rock Type	Code	Description	Sample Details	Sample#	Sample Type	Reference	From (m)	To (m)	Width (m)	Au g/t	Au 2 g/t	Py %	Qtz %	Qtz ° to Core Axis
				270.25 to 271.1 - clasts to 2 cm across												
				271.1 to 272.1 - felsic syenite as from 250.05 to 266.1. Upper contact at 65 deg to CA, lower contact at 65 deg to CA.												
					at 267.7 - 4 cm wide white-pink quartz carb vein at 45 deg to CA	39754			267.6	267.9	0.3	< 0.01	-		12	45
					at 269.5 - 2.5 cm wide white-pink quartz carb vein at 50 deg to CA	39755			269.4	269.7	0.3	< 0.01	-		7	50
					at 270.6 - 6 cm wide white quartz carb vein at 45 deg to CA	39756			270.4	270.8	0.4	< 0.01	-		15	45
					a few white quartz carb veinlets generally at 45 to 55 deg to CA	39757			272	272.4	0.4	< 0.01	-		7	
					a few white quartz carb veinlets generally at 40 to 60 deg to CA	39758			273	273.7	0.7	< 0.01	-		8	
					at 274.15 - 3 cm wide pink quartz carb vein at 40 deg to CA	39759			274	274.3	0.3	< 0.01	-		13	40
					a couple of 1 to 2 cm wide quartz carb veins at 40 deg to CA and a few irregular masses of quartz carb	39760		Original	286.3	286.6	0.3	< 0.01	-		15	40
						39761	Duplicate	Dup	286.3	286.6		< 0.01	< 0.01			
						39762	Blank	Marble				< 0.01	-			
					at 288.85 - 3 cm wide quartz carb veining at 45 deg to CA	39763			288.7	289	0.3	< 0.01	-		10	45
					a few irregular quartz carb veinlets	39764			289.9	290.5	0.6	< 0.01	-		7	
					some irregular white-pink quartz carb and veinlets	39765			295.7	296.1	0.4	< 0.01	-		13	
						39766			301.5	301.9	0.4	< 0.01	-		1	
301.9	302.4	Fault Zone	FZ	Grey gouge with some pink quartz fragments and veins. Non magnetic. Upper contact at 50 deg to CA, lower contact fractured.												
				301.9 to 302 - fine grey gouge												
				302 to 302.2 - grey gouge with pink quartz fragments												
				302.2 to 302.4 - 70 % pink quartz at 50 deg to CA, 30 % mud seams												
					fault gouge, 301.9 to 302 - fine grey gouge, 302 to 302.2 - grey gouge with pink quartz fragments	39767			301.9	302.2	0.3	0.05	-		8	
					302.2 to 302.4 - 70 % pink quartz at 50 deg to CA, 30 % mud seams	39768			302.2	302.5	0.3	0.03	-		20	50
302.4	304.85	Tuff	T4	Tuff or sed? Grey to dark grey and dark grey-red, fine grained, non magnetic. Lower contact at about 40 deg to CA. A few quartz carb seams, no visible sulphide.												
						39769			304	304.9	0.9	< 0.01	-		2	

From (m)	To (m)	Rock Type	Code	Description	Sample Details	Sample#	Sample Type	Reference	From (m)	To (m)	Width (m)	Au g/t	Au 2 g/t	Py %	Qtz %	Qtz ° to Core Axis
304.85	305.4	Tuff	T4	Tuff or wacke? Lapilli tuff, pale green and light pink angular clasts to 1 cm across in a dark green matrix, non magnetic, trace to 0.25 % fg py												
				305.2 to 305.4 - 50 % irregular vein and chunks of white-pink quartz carb, lower contact irregular and obscure at low angle to CA. 305.2 marks the beginning of brecciation that continues to the bottom of the hole at 351 m.												
					weakly sericitic, trace to 0.2 % fg disseminated py	39770			304.9	305.2	0.3	0.04	-	0.1	1	
						39771	Standard	50c				0.84	-			
305.4	306.8	Tuff	T4	Tuff or sed? Grey-green, fine grained, non magnetic, brecciated and healed by stringers and veinlets, bleached, weak to strong sericite in places, trace pyrite. Lower contact at 80 deg to CA, 2 mm wide seam of gouge at lower contact.												
					weakly to strongly sericitic, some irregular white-pink quartz carb veining and masses, bleaching along healed fractures, nil to trace py.	39772			305.2	305.7	0.5	< 0.01	< 0.01		15	
					weakly to strongly sericitic, some irregular white-pink quartz carb veining, bleaching along healed fractures, trace py.	39773			305.7	306.4	0.7	0.02	-		4	
					weakly to strongly sericitic, bleaching along healed fractures and last 20 cm, trace py.	39774			306.4	306.8	0.4	0.11	-		1	
306.8	309.35	Wacke	T2	Grey, beige, green, pink and rare small red jasper clasts in a grey-green matrix, non magnetic, 30 % of core is composed of clasts > 2 mm < 15 mm, with occasional clasts > 15 mm to 30 mm across, clasts are mostly angular. Rock has been fractured and healed at least 3 times, weak to moderate sericite, 10 % white and pink quartz carb stringers, veinlets, veins to 5 cm wide. Trace pyrite.												
					weakly sericitic, a few irregular white-pink quartz carb stringers at various angles, trace py	39775			306.8	307.2	0.4	0.04	-		3	
					weakly to moderately sericitic, a few irregular white-pink quartz carb stringers at various angles, trace py	39776			307.2	308	0.8	0.02	-		5	

From (m)	To (m)	Rock Type	Code	Description	Sample Details	Sample#	Sample Type	Reference	From (m)	To (m)	Width (m)	Au g/t	Au 2 g/t	Py %	Qtz %	Qtz ° to Core Axis
					weakly to moderately sericitic, a few irregular white-pink quartz carb stringers at various angles, trace py	39777			308	309	1	0.02	-		4	
					moderately sericitic, at 309.05 - 6 cm wide white-pink quartz carb veining at 65 deg to CA, trace py	39778			309	309.35	0.35	0.01	-		30	65
309.35	309.96	Feldspar Porphyry		40 % white feldspar phenocrysts to 1 cm across and 2 % quartz eyes in a dark grey matrix, non magnetic, lower contact at 35 deg to CA, trace py, a little sericite at the contacts.												
					feldspar porphyry, trace py	39779			309.35	310	0.65	0.03	-			
309.96	311.05	Wacke	T2	Similar to 306.8 to 309.35, but very strongly altered, non magnetic, lower contact at 40 deg to CA, moderate to very strong sericite, sillicified, 0.25 to 2 % fg pyrite as disseminations and clusters.												
					moderately to very strongly sericitic, silicified, 1 % fg pyrite as disseminations and small clusters	39780		Original	310	311	1	0.11	-	1	9	
						39781	Duplicate	Dup	310	311		0.12	-			
						39782	Blank	Marble				< 0.01	< 0.01			
311.05	311.8	Feldspar Porphyry		As from 309.35 to 309.96, non magnetic, unaltered to strongly altered, moderate to strong sericite through 70 % of core, lower contact obscured by alteration, trace to 0.25 % fg pyrite.												
					feldspar porphyry, weakly to strongly sericitic, trace to 0.25 % disseminated pyrite	39783			311	311.8	0.8	0.17	-	0.1	3	
311.8	312.8	Wacke	T2	As from 309.96 to 311.05, non magnetic, moderate to strong sericite, mostly badly broken, trace pyrite.												
				From 312.15 to 312.8 - broken core; core pieces to 4 cm across, some gouge, 15 % pink quartz												
					wacke, strongly sericitic, trace pyrite	39784			311.8	312	0.2	0.1	-			
					broken up, moderately to strongly sericitic, some pieces of pink quartz carb veining, trace py	39785			312	312.8	0.8	0.07	-		8	
312.8	314.3	Lost Core	LC	No core recovery marked as fault by driller.												

From (m)	To (m)	Rock Type	Code	Description	Sample Details	Sample#	Sample Type	Reference	From (m)	To (m)	Width (m)	Au g/t	Au 2 g/t	Py %	Qtz %	Qtz ° to Core Axis
314.3	351	Wacke	T2	Similar to previous sections of wacke. Non magnetic. Grey, beige, green, pink and rare small red jasper clasts in a grey-green matrix, clasts are mostly angular to subangular. 10 to 60 % of core is composed of clasts > 2 mm < 20 mm, occasionally with > 20 mm to 75 mm sized clasts. Rock has been brecciated and healed several times, 4 ages of veining are apparent in places. Weakly to strongly altered, weak to strong sericite, bleached, numerous quartz carb stringers, veinlets and veins at various orientations. Nil to 2 % fg pyrite as disseminations and small clusters.												
					moderately to strongly sericitic, silicified, trace to 1 % py	39786			314.3	315	0.7	0.1	-	0.5	10	
					moderately to strongly sericitic, silicified, trace to 0.25 % py	39787			315	316	1	0.03	-		8	
					trace py	39788			316	316.5	0.5	0.04	-		8	
					weakly sericitic, some bleaching, 0.25 to 1.5 % py	39789			316.5	317	0.5	0.02	-	1	10	
					weakly sericitic, trace py	39790			317	317.7	0.7	0.02	-		5	
						39791	Standard	50c				0.84	-			
					weakly to moderately sericitic, 1 % fg pyrite as disseminations and small clusters	39792			317.7	318.45	0.75	0.03	0.02	1	4	
					weakly to moderately sericitic, 1 % fg pyrite as disseminations and small clusters	39793			318.45	319	0.55	0.01	-	1	4	
					weakly sericitic, trace py	39794			319	320	1	< 0.01	-		4	
					weakly to moderately sericitic, trace py	39795			320	320.74	0.74	< 0.01	-		2	
					weakly sericitic, 0.25 to 0.5 % py	39796			320.74	321.4	0.66	< 0.01	-	0.3	4	
					weakly sericitic, trace py	39797			321.4	322	0.6	< 0.01	-		3	
					weakly sericitic, trace py	39798			322	322.8	0.8	< 0.01	-		5	
					weakly sericitic, 0.5 % py	39799			322.8	323.2	0.4	0.02	-	0.5	2	
					trace py	39800		Original	323.2	324	0.8	< 0.01	-		3	
						39801	Duplicate	Dup	323.2	324		< 0.01	-			
						39802	Blank	Marble				< 0.01	< 0.01			
					trace py	39803			324	325	1	< 0.01	-			
					weakly sericitic, some silicification, 1 to 2% fg pyrite as disseminations and small clusters	39804			325	326	1	0.02	-	1.5	6	
					weakly sericitic, some silicification, 0.5 to 1% fg pyrite as disseminations and small clusters	39805			326	326.5	0.5	< 0.01	-	0.75	5	

From (m)	To (m)	Rock Type	Code	Description	Sample Details	Sample#	Sample Type	Reference	From (m)	To (m)	Width (m)	Au g/t	Au 2 g/t	Py %	Qtz %	Qtz ° to Core Axis
					weakly sericitic, some silicification, trace to 0.25 % fg pyrite as disseminations and small clusters	39806			326.5	327.3	0.8	< 0.01	-	0.1	6	
					weakly to moderately sericitic,	39807			327.3	328.2	0.9	< 0.01	-		9	
					weakly sericitic, some silicification, 0.25 to 1 % fg pyrite as disseminations and small clusters	39808			328.2	329.2	1	0.01	-	0.5	8	
					weakly sericitic, some silicification, trace fg pyrite	39809			329.2	330	0.8	< 0.01	-			
					weakly sericitic, silicification, trace to 0.25 % fg pyrite	39810			330	331	1	< 0.01	-		14	
						39811	Standard	50c				0.81	-			
					weakly to moderately sericitic, silicification, trace to 0.25 % fg pyrite	39812			331	332	1	< 0.01	-		15	
					weakly to moderately sericitic, silicification, trace to 0.25 % fg pyrite	39813			332	333	1	< 0.01	-		11	
					weakly to moderately sericitic, some silicification, trace to 0.5 % fg pyrite	39814			333	333.4	0.4	0.02	-	0.1	7	
					weakly sericitic, some silicification, trace to 0.5 % fg pyrite	39815			333.4	334.4	1	< 0.01	-		6	
					trace py	39816			334.4	335	0.6	< 0.01	-		3	
					nil to trace py	39817			335	336	1	< 0.01	-		3	
					weakly sericitic, some silicification, nil to trace pyrite	39818			336	337	1	< 0.01	-		10	
					weakly sericitic, some silicification, nil to trace pyrite	39819			337	338	1	< 0.01	-		4	
					silicification, nil to trace pyrite	39820		Original	338	339	1	0.01	-		12	
						39821	Duplicate	Dup	338	339		< 0.01	< 0.01			
						39822	Blank	Marble				< 0.01	-			
					weakly sericitic, some silicification, nil to trace pyrite	39823			339	340	1	< 0.01	-		6	
					weakly sericitic,silicification, nil to trace pyrite	39824			340	341	1	< 0.01	-		12	
					weakly sericitic, silicification, nil to trace pyrite, at 341.2 m - 0.5 cm wide gouge at 85 deg to CA.	39825			341	342	1	< 0.01	-		12	
					weakly sericitic, some silicification, nil to trace pyrite	39826			342	342.5	0.5	< 0.01	-		8	
					reddish pink, some silicification, 0.25 to 0.5 % fg py	39827			342.5	343	0.5	< 0.01	-	0.3	8	
					reddish pink, some silicification, nil to trace py	39828			343	344	1	< 0.01	-		8	
					reddish pink sections, silicification, nil to trace py	39829			344	345	1	< 0.01	-		12	

From (m)	To (m)	Rock Type	Code	Description	Sample Details	Sample#	Sample Type	Reference	From (m)	To (m)	Width (m)	Au g/t	Au 2 g/t	Py %	Qtz %	Qtz ° to Core Axis
					reddish pink sections, silicification, nil to trace py	39830			345	345.5	0.5	< 0.01	-		12	
						39831	Standard	50c				0.85	-			
					weakly sericitic, some silicification, nil to trace pyrite	39832			345.5	346.2	0.7	< 0.01	< 0.01		9	
					weakly sericitic, silicification, nil to trace pyrite	39833			346.2	347	0.8	< 0.01	-		30	
					weakly sericitic, some silicification, nil to trace pyrite	39834			347	347.95	0.95	< 0.01	-		10	
					weakly to moderately sericitic, some silicification, nil to trace pyrite	39835			347.95	348.4	0.45	< 0.01	-		12	
					weakly to moderately sericitic, some silicification, nil to trace pyrite	39836			348.4	349	0.6	< 0.01	-		9	
					weakly sericitic, silicification, nil to trace pyrite	39837			349	349.4	0.4	< 0.01	-		30	
					weakly sericitic, some silicification, nil to trace pyrite	39838			349.4	350	0.6	< 0.01	-		6	
					weakly to moderately sericitic, some silicification, nil to trace pyrite	39839			350	351	1	< 0.01	-		4	
				EOH at 351 m												

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Assay Certificate

Certificate Number: 12-3980

Company: **Opawica Exploration Inc.**

Project: Tech Kirkland

Attn: Paul Antoniazzi

Report Date: 28-Nov-12

We hereby certify the following Assay of 1 core samples submitted 27-Nov-12 by Paul Antoniazzi

Sample Number	Au FA-AAS g/Mt	Au Chk FA-AAS g/Mt
74901	< 0.01	

Certified by J. Lin

Jing Lin, M Sc.

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Assaying - Consulting - Representation

Assay Certificate

Certificate Number: 12-4016

Company: **Opawica Exploration Inc.**

Project: Tech Kirkland

Report Date: 05-Dec-12

Attn: Paul Antoniazzi

We hereby certify the following Assay of 52 core samples submitted 30-Nov-12 by Paul Antoniazzi

Sample Number		Au FA-AAS g/Mt	Au Chk FA-AAS g/Mt
39101		< 0.01	
39102		< 0.01	
39103		< 0.01	
39104		< 0.01	
39105		< 0.01	
39106		< 0.01	
39107		< 0.01	
39108		< 0.01	
39109		< 0.01	
39110		< 0.01	< 0.01
Blank Value		< 0.01	
OxH97		1.28	
39111		0.82	
39112		< 0.01	
39113		< 0.01	
39114		< 0.01	
39115		< 0.01	
39116		< 0.01	
39117		0.02	
39118		0.02	
39119		< 0.01	
39120		< 0.01	< 0.01
39121	1	< 0.01	
39122		< 0.01	
39123		< 0.01	

1. Duplicate

Certified by J. S Lin

Jing Lin, M Sc.

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Assay Certificate

Certificate Number: 12-4016

Company: **Opawica Exploration Inc.**

Project: Tech Kirkland

Report Date: 05-Dec-12

Attn: Paul Antoniazzi

We hereby certify the following Assay of 52 core samples submitted 30-Nov-12 by Paul Antoniazzi

Sample Number		Au FA-AAS g/Mt	Au Chk FA-AAS g/Mt
39124		< 0.01	
39125		< 0.01	
39126		< 0.01	
39127		< 0.01	
39128		< 0.01	
Blank Value		< 0.01	
OxH97		1.25	
39129		< 0.01	
39130		< 0.01	< 0.01
39131		0.83	
39132		< 0.01	
39133		< 0.01	
39134		< 0.01	
39135		0.01	
39136		0.01	
39137		< 0.01	
39138		< 0.01	
39139		< 0.01	
39140		< 0.01	< 0.01
39141	1	0.01	
39142		< 0.01	
39143		< 0.01	
39144		0.01	
39145		< 0.01	
39146		0.02	

1. Duplicate

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Certificate Number: 12-4016

Company: **Opawica Exploration Inc.**

Project: Tech Kirkland

Report Date: 05-Dec-12

Attn: Paul Antoniazzi

We hereby certify the following Assay of 52 core samples submitted 30-Nov-12 by Paul Antoniazzi

Sample Number	Au FA-AAS g/Mt	Au Chk FA-AAS g/Mt
39147	< 0.01	
39148	< 0.01	
Blank Value	< 0.01	
OxH97	1.26	
39149	< 0.01	
39150	< 0.01	< 0.01
39151	0.83	
39152	< 0.01	

1. Duplicate

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Certificate Number: 12-4017

Company: **Opawica Exploration Inc.**

Project: Tech Kirkland

Report Date: 10-Dec-12

Attn: Paul Antoniazzi

We hereby certify the following Assay of 31 core samples submitted 30-Nov-12 by Paul Antoniazzi

Sample Number		Au FA-AAS g/Mt	Au Chk FA-AAS g/Mt
39153		< 0.01	
39154		< 0.01	
39155		0.03	
39156		0.01	
39157		< 0.01	
39158		< 0.01	
39159		< 0.01	
39160		< 0.01	
39161	1	< 0.01	
39162		< 0.01	< 0.01
Blank Value		< 0.01	
OxH97		1.27	
39163		< 0.01	
39164		< 0.01	
39165		< 0.01	
39166		< 0.01	
39167		< 0.01	
39168		< 0.01	
39169		< 0.01	
39170		< 0.01	
39171		0.87	
39172		< 0.01	< 0.01
39173		< 0.01	
39174		< 0.01	
39175		< 0.01	

1. Duplicate

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Certificate Number: 12-4017

Company: **Opawica Exploration Inc.**

Project: Tech Kirkland

Report Date: 10-Dec-12

Attn: Paul Antoniazzi

We hereby certify the following Assay of 31 core samples submitted 30-Nov-12 by Paul Antoniazzi

Sample Number		Au FA-AAS g/Mt	Au Chk FA-AAS g/Mt
39176		< 0.01	
39177		0.01	
39178		< 0.01	
39179		< 0.01	
39180		< 0.01	
Blank Value		< 0.01	
OxH97		1.30	
39181	1	0.01	
39182		< 0.01	< 0.01
39183		< 0.01	

1. Duplicate

Certified by J. Lin

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Certificate Number: 12-4053

Company: **Opawica Exploration Inc.**

Project: Tech Kirkland

Report Date: 12-Dec-12

Attn: Paul Antoniazzi

We hereby certify the following Assay of 29 core samples submitted 06-Dec-12 by Paul Antoniazzi

Sample Number		Au FA-AAS g/Mt	Au Chk FA-AAS g/Mt
39184		< 0.01	
39185		< 0.01	
39186		< 0.01	
39187		< 0.01	
39188		< 0.01	
39189		< 0.01	
39190		< 0.01	
39191		0.86	
39192		< 0.01	
39193		< 0.01	< 0.01
Blank Value		< 0.01	
OxH97		1.27	
39194		< 0.01	
39195		0.01	
39196		0.02	
39197		< 0.01	
39198		< 0.01	
39199		< 0.01	
39200		< 0.01	
39201	1	< 0.01	
39202		< 0.01	
39203		< 0.01	< 0.01
39204		< 0.01	
39205		< 0.01	
39206		< 0.01	

1. Duplicate

Certified by Jing Lin

Jing Lin, M Sc.

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Certificate Number: 12-4053

Company: **Opawica Exploration Inc.**

Project: Tech Kirkland

Report Date: 12-Dec-12

Attn: Paul Antoniazzi

We hereby certify the following Assay of 29 core samples submitted 06-Dec-12 by Paul Antoniazzi

Sample Number	Au FA-AAS g/Mt	Au Chk FA-AAS g/Mt
39207	< 0.01	
39208	0.01	
39209	< 0.01	
39210	< 0.01	
39211	0.84	
Blank Value	< 0.01	
OxH97	1.29	
39212	< 0.01	

1. Duplicate

Certified by Jing Lin

Jing Lin, M Sc.

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Assay Certificate

Certificate Number: 12-4054

Company: **Opawica Exploration Inc.**

Project: Tech Kirkland

Report Date: 12-Dec-12

Attn: Paul Antoniazzi

We hereby certify the following Assay of 25 core samples submitted 06-Dec-12 by Paul Antoniazzi

Sample Number		Au FA-AAS g/Mt	Au Chk FA-AAS g/Mt
39213		< 0.01	
39214		< 0.01	
39215		< 0.01	
39216		< 0.01	
39217		0.03	
39218		< 0.01	
39219		< 0.01	
39220	1	< 0.01	
39221	. 2	< 0.01	
39222		< 0.01	< 0.01
Blank Value		< 0.01	
OxH97		1.27	
39223		< 0.01	
39224		< 0.01	
39225	1	< 0.01	
39226		0.01	
39227		< 0.01	
39228		< 0.01	
39229		< 0.01	
39230		< 0.01	
39231		0.82	
39232		< 0.01	< 0.01
39233		< 0.01	
39234		< 0.01	
39235	1	< 0.01	
39236		< 0.01	
39237	1	< 0.01	

1. No Reject
2. Duplicate

Certified by J. & Lin

Jing Lin, M Sc.

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Assay Certificate

Certificate Number: 12-4064

Company: **Opawica Exploration Inc.**

Project: Tech Kirkland

Attn: Paul Antoniazzi

Report Date: 18-Dec-12

We hereby certify the following Assay of 52 core samples submitted 07-Dec-12 by Paul Antoniazzi

Sample Number		Au FA-AAS g/Mt	Au Chk FA-AAS g/Mt
39238		0.01	
39239		< 0.01	
39240	1	0.01	
39241	. 2	< 0.01	
39242		< 0.01	
39243		< 0.01	
39244		< 0.01	
39245		0.01	
39246		0.01	
39247		0.01	0.01
Blank Value		< 0.01	
OxH97		1.28	
39248		0.01	
39249		0.01	
39250		< 0.01	
39251		0.94	
39252		< 0.01	
39253		0.02	
39254		0.02	
39255		< 0.01	
39256		0.90	
39257		< 0.01	0.02
39258		0.01	
39259		0.02	
39260	1	0.01	

1. No Reject
2. Duplicate

Certified by Jing Lin

Jing Lin, M Sc.

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

Established 1928

Swastika Laboratories Ltd

Assaying - Consulting - Representation

Assay Certificate

Certificate Number: 12-4064

Company: **Opawica Exploration Inc.**

Project: Tech Kirkland

Attn: Paul Antoniazzi

Report Date: 18-Dec-12

We hereby certify the following Assay of 52 core samples submitted 07-Dec-12 by Paul Antoniazzi

Sample Number		Au FA-AAS g/Mt	Au Chk FA-AAS g/Mt
39261	. 2	< 0.01	
39262		< 0.01	
39263		< 0.01	
39264		0.01	
39265		0.01	
Blank Value		< 0.01	
OxH97		1.26	
39266		0.01	
39267		< 0.01	0.03
39268		0.01	
39269		< 0.01	
39270		< 0.01	
39271		0.91	
39272		< 0.01	
39273		0.01	
39274		0.02	
39275		0.02	
39276		0.02	
39277		0.01	0.01
39278		0.01	
39279		0.02	
39280	1	< 0.01	
39281	. 2	< 0.01	
39282		< 0.01	
39283		0.01	

1. No Reject
2. Duplicate

Certified by J. Lin

Jing Lin, M Sc.

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Established 1928

Swastika Laboratories Ltd

Assaying - Consulting - Representation

Assay Certificate

Certificate Number: 12-4064

Company: **Opawica Exploration Inc.**

Project: Tech Kirkland

Report Date: 18-Dec-12

Attn: Paul Antoniazzi

We hereby certify the following Assay of 52 core samples submitted 07-Dec-12 by Paul Antoniazzi

Sample Number	Au FA-AAS g/Mt	Au Chk FA-AAS g/Mt
39284	0.01	
39285	< 0.01	
Blank Value	< 0.01	
OxH97	1.26	
39286	0.01	
39287	0.01	0.01
39288	0.01	
39289	0.02	

1. No Reject
2. Duplicate

Certified by Jing Lin

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Assay Certificate

Certificate Number: 12-4065

Company: **Opawica Exploration Inc.**

Project: Tech Kirkland

Report Date: 16-Dec-12

Attn: Paul Antoniazzi

We hereby certify the following Assay of 42 core samples submitted 07-Dec-12 by Paul Antoniazzi

Sample Number		Au FA-AAS g/Mt	Au Chk FA-AAS g/Mt
39290		< 0.01	
39291		0.83	
39292		< 0.01	
39293		< 0.01	
39294		< 0.01	
39295		< 0.01	
39296		< 0.01	
39297		< 0.01	
39298		< 0.01	
39299		< 0.01	< 0.01
Blank Value		< 0.01	
OxH97		1.27	
39300		< 0.01	
39301	1	< 0.01	
39302		< 0.01	
39303		< 0.01	
39304		< 0.01	
39305		0.01	
39306		< 0.01	
39307	2	< 0.01	
39308		< 0.01	
39309		< 0.01	< 0.01
39310		< 0.01	
39311		0.83	
39312		< 0.01	

1. Duplicate
2. No Reject

Certified by J. Lin

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Assay Certificate

Certificate Number: 12-4065

Company: **Opawica Exploration Inc.**

Project: Tech Kirkland

Report Date: 16-Dec-12

Attn: Paul Antoniazzi

We hereby certify the following Assay of 42 core samples submitted 07-Dec-12 by Paul Antoniazzi

Sample Number		Au FA-AAS g/Mt	Au Chk FA-AAS g/Mt
39313		< 0.01	
39314		< 0.01	
39315		< 0.01	
39316		< 0.01	
39317		< 0.01	
Blank Value		< 0.01	
OxH97		1.26	
39318		< 0.01	
39319		< 0.01	< 0.01
39320		< 0.01	
39321	1	< 0.01	
39322		< 0.01	
39323		< 0.01	
39324		< 0.01	
39325		< 0.01	
39326	2	0.02	
39327		0.01	
39328		< 0.01	
39329		0.01	0.02
39330		< 0.01	
39331		0.83	

1. Duplicate
2. No Reject

Certified by J. Lin

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Assay Certificate

Certificate Number: 12-4106

Company: **Opawica Exploration Inc.**

Project: Tech Kirkland

Report Date: 18-Dec-12

Attn: Paul Antoniazzi

We hereby certify the following Assay of 52 core samples submitted 10-Dec-12 by Paul Antoniazzi

Sample Number		Au FA-AAS g/Mt	Au Chk FA-AAS g/Mt
39332		0.02	
39333		0.03	
39334		0.01	
39335		< 0.01	
39336		0.04	
39337		0.02	
39338		< 0.01	
39339		< 0.01	
39340		< 0.01	
39341	1	< 0.01	0.01
Blank Value		< 0.01	
OxH97		1.27	
39342		< 0.01	
39343		< 0.01	
39344		< 0.01	
39345		< 0.01	
39346		< 0.01	
39347		< 0.01	
39348		< 0.01	
39349		< 0.01	
39350		< 0.01	
39351		0.82	
39352		< 0.01	< 0.01
39353		< 0.01	
39354		0.01	

1. Duplicate
2. No Reject

Certified by J. Lin

Jing Lin, M Sc.

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Assay Certificate

Certificate Number: 12-4106

Company: **Opawica Exploration Inc.**

Project: Tech Kirkland

Report Date: 18-Dec-12

Attn: Paul Antoniazzi

We hereby certify the following Assay of 52 core samples submitted 10-Dec-12 by Paul Antoniazzi

Sample Number		Au FA-AAS g/Mt	Au Chk FA-AAS g/Mt
39355	2	< 0.01	
39356		0.02	
39357		< 0.01	
39358		< 0.01	
39359		< 0.01	
Blank Value		< 0.01	
OxH97		1.26	
39360		< 0.01	
39361		< 0.01	< 0.01
39362		< 0.01	
39363		< 0.01	
39364		< 0.01	
39365		< 0.01	
39366		< 0.01	
39367		< 0.01	
39368		< 0.01	
39369		< 0.01	
39370	2	< 0.01	
39371	1	< 0.01	< 0.01
39372		< 0.01	
39373		< 0.01	
39374		< 0.01	
39375		< 0.01	
39376		< 0.01	
39377		< 0.01	

1. Duplicate
2. No Reject

Certified by J. Lin

Jing Lin, M Sc.

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Assay Certificate

Certificate Number: 12-4106

Company: **Opawica Exploration Inc.**

Project: Tech Kirkland

Report Date: 18-Dec-12

Attn: Paul Antoniazzi

We hereby certify the following Assay of 52 core samples submitted 10-Dec-12 by Paul Antoniazzi

Sample Number	Au FA-AAS g/Mt	Au Chk FA-AAS g/Mt
39378	< 0.01	
39379	< 0.01	
Blank Value	< 0.01	
OxH97	1.27	
39380	< 0.01	
39381	0.83	
39382	< 0.01	< 0.01
39383	< 0.01	

1. Duplicate
2. No Reject

Certified by J. & Lin

Jing Lin, M Sc.

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Assay Certificate

Certificate Number: 12-4107

Company: **Opawica Exploration Inc.**

Project: Tech Kirkland

Report Date: 19-Dec-12

Attn: Paul Antoniazzi

We hereby certify the following Assay of 40 core samples submitted 10-Dec-12 by Paul Antoniazzi

Sample Number		Au FA-AAS g/Mt	Au Chk FA-AAS g/Mt
39384		< 0.01	
39385		< 0.01	
39386		< 0.01	
39387		< 0.01	
39388		< 0.01	
39389		< 0.01	
39390	1	< 0.01	
39391	. 2	< 0.01	
39392		< 0.01	
39393		< 0.01	< 0.01
Blank Value		< 0.01	
OxH97		1.26	
39394		< 0.01	
39395		< 0.01	
39396		< 0.01	
39397		< 0.01	
39398		< 0.01	
39399		< 0.01	
39400		< 0.01	
39401		0.84	
39402		< 0.01	
39403		< 0.01	0.01
39404		< 0.01	
39405		< 0.01	
39406		< 0.01	

1. No Reject
2. Duplicate

Certified by J. g Lin

Jing Lin, M Sc.

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Assay Certificate

Certificate Number: 12-4107

Company: **Opawica Exploration Inc.**

Project: Tech Kirkland

Report Date: 19-Dec-12

Attn: Paul Antoniazzi

We hereby certify the following Assay of 40 core samples submitted 10-Dec-12 by Paul Antoniazzi

Sample Number		Au FA-AAS g/Mt	Au Chk FA-AAS g/Mt
39407		< 0.01	
39408		< 0.01	
39409		< 0.01	
39410		< 0.01	
39411	2	< 0.01	
Blank Value		< 0.01	
OxH97		1.28	
39412		< 0.01	
39413		< 0.01	0.01
39414		< 0.01	
39415		< 0.01	
39416		< 0.01	
39417		< 0.01	
39418		< 0.01	
39419		< 0.01	
39420		< 0.01	
39421		0.83	
39422		0.01	
39423		< 0.01	< 0.01

1. No Reject
2. Duplicate

Certified by J. & Lin

Jing Lin, M Sc.

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Assaying - Consulting - Representation

Assay Certificate

Certificate Number: 12-4108

Company: **Opawica Exploration Inc.**

Project: Tech Kirkland

Report Date: 19-Dec-12

Attn: Paul Antoniazzi

We hereby certify the following Assay of 21 core samples submitted 10-Dec-12 by Paul Antoniazzi

Sample Number	Au FA-AAS g/Mt	Au Chk FA-AAS g/Mt
39424	0.02	
39425	0.01	
39426	0.01	
39427	< 0.01	
39428	0.01	
39429	< 0.01	
39430	0.01	
39431	0.01	
39432	< 0.01	
39433	< 0.01	< 0.01
Blank Value	< 0.01	
OxH97	1.27	
39434	0.01	
39435	< 0.01	
39436	< 0.01	
39437	< 0.01	
39438	< 0.01	
39439	< 0.01	
39440	0.81	
39441	< 0.01	
39442	< 0.01	
39443	0.01	< 0.01
39444	< 0.01	

Certified by J. g Lin

Jing Lin, M Sc.

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Assay Certificate

Certificate Number: 12-4108

Company: **Opawica Exploration Inc.**

Project: Tech Kirkland

Report Date: 19-Dec-12

Attn: Paul Antoniazzi

We hereby certify the following Assay of 21 core samples submitted 10-Dec-12 by Paul Antoniazzi

Sample Number	Au FA-AAS g/Mt	Au Chk FA-AAS g/Mt
39424	0.02	
39425	0.01	
39426	0.01	
39427	< 0.01	
39428	0.01	
39429	< 0.01	
39430	0.01	
39431	0.01	
39432	< 0.01	
39433	< 0.01	< 0.01
Blank Value	< 0.01	
OxH97	1.27	
39434	0.01	
39435	< 0.01	
39436	< 0.01	
39437	< 0.01	
39438	< 0.01	
39439	< 0.01	
39440	0.81	
39441	< 0.01	
39442	< 0.01	
39443	0.01	< 0.01
39444	< 0.01	

Certified by J. Lin

Jing Lin, M Sc.

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Assay Certificate

Certificate Number: 12-4117

Company: **Opawica Exploration Inc.**

Project: Tech Kirkland

Report Date: 31-Dec-12

Attn: Paul Antoniazzi

We hereby certify the following Assay of 52 core samples submitted 12-Dec-12 by Paul Antoniazzi

Sample Number		Au FA-AAS g/Mt	Au Chk FA-AAS g/Mt
39442	1		
39443	1		
39444	1		
39445		< 0.01	
39446		< 0.01	
39447		< 0.01	
39448		< 0.01	
39449		< 0.01	
39450		< 0.01	
39451	2	< 0.01	0.01
Blank Value		< 0.01	
OxH97		1.26	
39452		< 0.01	
39453		< 0.01	
39454		< 0.01	
39455		< 0.01	
39456		< 0.01	
39457		< 0.01	
39458		< 0.01	
39459		< 0.01	
39460		< 0.01	
39461		0.81	
39462	3	< 0.01	< 0.01
39463		< 0.01	
39464		< 0.01	

1. listed not received
2. Duplicate
3. No Reject

Certified by J. Lin

Jing Lin, M Sc.

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Assaying - Consulting - Representation

Assay Certificate

Certificate Number: 12-4117

Company: **Opawica Exploration Inc.**

Project: Tech Kirkland

Report Date: 31-Dec-12

Attn: Paul Antoniazzi

We hereby certify the following Assay of 52 core samples submitted 12-Dec-12 by Paul Antoniazzi

Sample Number		Au FA-AAS g/Mt	Au Chk FA-AAS g/Mt
39465		< 0.01	
39466		< 0.01	
39467		< 0.01	
39468		< 0.01	
39469		< 0.01	
Blank Value		< 0.01	
OxH97		1.26	
39470		< 0.01	
39471	2	< 0.01	< 0.01
39472		< 0.01	
39473		< 0.01	
39474		< 0.01	
39475		< 0.01	
39476		< 0.01	
39477		< 0.01	
39478		0.03	
39479		0.02	
39480		0.01	
39481		0.82	
39482		0.03	0.03
39483		0.03	
39484		0.01	
39485		< 0.01	
39486		< 0.01	
39487		< 0.01	

1. listed not received
2. Duplicate
3. No Reject

Certified by J. g Lin

Jing Lin, M Sc.

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Assay Certificate

Certificate Number: 12-4117

Company: **Opawica Exploration Inc.**

Project: Tech Kirkland

Report Date: 31-Dec-12

Attn: Paul Antoniazzi

We hereby certify the following Assay of 52 core samples submitted 12-Dec-12 by Paul Antoniazzi

Sample Number	Au FA-AAS g/Mt	Au Chk FA-AAS g/Mt
39488	< 0.01	
39489	< 0.01	
Blank Value	< 0.01	
OxH97	1.27	
39490	< 0.01	
39491	< 0.01	< 0.01
39492	< 0.01	
39493	< 0.01	

1. listed not received
2. Duplicate
3. No Reject

Certified by J.g Lin

Jing Lin, M Sc.

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Assay Certificate

Certificate Number: 12-4118

Company: **Opawica Exploration Inc.**

Project: Tech Kirkland

Attn: Paul Antoniazzi

Report Date: 19-Dec-12

We hereby certify the following Assay of 48 core samples submitted 12-Dec-12 by Paul Antoniazzi

Sample Number		Au FA-AAS g/Mt	Au Chk FA-AAS g/Mt
39494		< 0.01	
39495		0.01	
39496		< 0.01	
39497		< 0.01	
39498		< 0.01	
39499		< 0.01	
39500		< 0.01	
39551		0.86	
39552		< 0.01	
39553		< 0.01	< 0.01
Blank Value		< 0.01	
OxH97		1.27	
39554		< 0.01	
39555		< 0.01	
39556		< 0.01	
39557		< 0.01	
39558		< 0.01	
39559		< 0.01	
39560		< 0.01	
39561	1	< 0.01	
39562		< 0.01	
39563		< 0.01	< 0.01
39564		< 0.01	
39565		< 0.01	
39566		< 0.01	

1. Duplicate

Certified by J. g Lin

Jing Lin, M Sc.

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Assay Certificate

Certificate Number: 12-4118

Company: **Opawica Exploration Inc.**

Project: Tech Kirkland

Attn: Paul Antoniazzi

Report Date: 19-Dec-12

We hereby certify the following Assay of 48 core samples submitted 12-Dec-12 by Paul Antoniazzi

Sample Number		Au FA-AAS g/Mt	Au Chk FA-AAS g/Mt
39567		< 0.01	
39568		< 0.01	
39569		0.01	
39570		< 0.01	
39571		0.83	
Blank Value		< 0.01	
OxH97		1.26	
39572		< 0.01	
39573		< 0.01	< 0.01
39574		< 0.01	
39575		< 0.01	
39576		< 0.01	
39577		< 0.01	
39578		< 0.01	
39579		< 0.01	
39580		< 0.01	
39581	1	< 0.01	
39582		< 0.01	
39583		< 0.01	< 0.01
39584		< 0.01	
39585		< 0.01	
39586		< 0.01	
39587		< 0.01	
39588		< 0.01	
39589		< 0.01	

1. Duplicate

Certified by J.g Lin

Jing Lin, M Sc.

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Assay Certificate

Certificate Number: 12-4118

Company: **Opawica Exploration Inc.**

Project: Tech Kirkland

Attn: Paul Antoniazzi

Report Date: 19-Dec-12

We hereby certify the following Assay of 48 core samples submitted 12-Dec-12 by Paul Antoniazzi

Sample Number	Au FA-AAS g/Mt	Au Chk FA-AAS g/Mt
39590	< 0.01	
39591	0.81	
Blank Value	< 0.01	
OxH97	1.26	

1. Duplicate

Certified by J. & Lin

Jing Lin, M Sc.

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Established 1928

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Assay Certificate

Certificate Number: 12-4144

Company: **Opawica Exploration Inc.**

Project: Tech Kirkland

Report Date: 03-Jan-13

Attn: Paul Antoniazzi

We hereby certify the following Assay of 50 core samples submitted 14-Dec-12 by Paul Antoniazzi

Sample Number		Au FA-AAS g/Mt	Au Chk FA-AAS g/Mt
39592		< 0.01	
39593		0.01	
39594		0.01	
39595	1	< 0.01	
39596		0.01	
39597		< 0.01	
39598		0.01	
39599		< 0.01	
39600		0.01	
39601	2	< 0.01	< 0.01
Blank Value		< 0.01	
OxH97		1.27	
39602		< 0.01	
39603		< 0.01	
39604		< 0.01	
39605		< 0.01	
39606		< 0.01	
39607		0.01	
39608		< 0.01	
39609		< 0.01	
39610	1	< 0.01	
39611		0.87	
39612		< 0.01	< 0.01
39613	1	0.02	
39614		< 0.01	

1. No Reject
2. Duplicate

Certified by Jing Lin

Jing Lin, M Sc.

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Established 1928

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Assaying - Consulting - Representation

Assay Certificate

Certificate Number: 12-4144

Company: **Opawica Exploration Inc.**

Project: Tech Kirkland

Report Date: 03-Jan-13

Attn: Paul Antoniazzi

We hereby certify the following Assay of 50 core samples submitted 14-Dec-12 by Paul Antoniazzi

Sample Number		Au FA-AAS g/Mt	Au Chk FA-AAS g/Mt
39615		< 0.01	
39616		< 0.01	
39617		< 0.01	
39618		< 0.01	
39619		< 0.01	
Blank Value		< 0.01	
OxH97		1.28	
39620		< 0.01	
39621	2	< 0.01	< 0.01
39622		< 0.01	
39623		0.02	
39624		0.01	
39625		< 0.01	
39626		< 0.01	
39627		< 0.01	
39628		0.01	
39629		0.01	
39630		< 0.01	
39631		0.87	
39632	1	0.01	0.01
39633		< 0.01	
39634		< 0.01	
39635		< 0.01	
39636		< 0.01	
39637		< 0.01	

1. No Reject
2. Duplicate

Certified by Jing Lin

Jing Lin, M Sc.

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

Established 1928

Swastika Laboratories Ltd

Assaying - Consulting - Representation

Assay Certificate

Certificate Number: 12-4144

Company: **Opawica Exploration Inc.**

Project: Tech Kirkland

Report Date: 03-Jan-13

Attn: Paul Antoniazzi

We hereby certify the following Assay of 50 core samples submitted 14-Dec-12 by Paul Antoniazzi

Sample Number		Au FA-AAS g/Mt	Au Chk FA-AAS g/Mt
39638		< 0.01	
39639	1	< 0.01	
Blank Value		< 0.01	
OxH97		1.29	
39640		0.01	
39641	2	< 0.01	< 0.01

1. No Reject
2. Duplicate

Certified by J. Lin

Jing Lin, M Sc.

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Assaying - Consulting - Representation

Assay Certificate

Certificate Number: 12-4145

Company: **Opawica Exploration Inc.**

Project: Tech Kirkland

Attn: Paul Antoniazzi

Report Date: 31-Dec-12

We hereby certify the following Assay of 49 core samples submitted 14-Dec-12 by Paul Antoniazzi

Sample Number		Au FA-AAS g/Mt	Au Chk FA-AAS g/Mt
39642	1	< 0.01	
39643		< 0.01	
39644		< 0.01	
39645		< 0.01	
39646		< 0.01	
39647		< 0.01	
39648		< 0.01	
39649		< 0.01	
39650		< 0.01	
39651		0.87	
Blank Value		< 0.01	
OxH97		1.28	
39652		< 0.01	< 0.01
39653		< 0.01	
39654		< 0.01	
39655		< 0.01	
39656		< 0.01	
39657		< 0.01	
39658		< 0.01	
39659		< 0.01	
39660	1	< 0.01	
39661	. 2	< 0.01	< 0.01
39662		< 0.01	
39663		< 0.01	
39664		< 0.01	

1. No Reject
2. Duplicate

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Jing Lin, M Sc.

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Swastika Laboratories Ltd

Assaying - Consulting - Representation

Assay Certificate

Certificate Number: 12-4145

Company: **Opawica Exploration Inc.**

Project: Tech Kirkland

Attn: Paul Antoniazzi

Report Date: 31-Dec-12

We hereby certify the following Assay of 49 core samples submitted 14-Dec-12 by Paul Antoniazzi

Sample Number		Au FA-AAS g/Mt	Au Chk FA-AAS g/Mt
39665		< 0.01	
39666		< 0.01	
39667		< 0.01	
39668		< 0.01	
39669		< 0.01	
Blank Value		< 0.01	
OxH97		1.28	
39670		< 0.01	
39671		0.88	
39672		0.02	0.02
39673		< 0.01	
39674		< 0.01	
39675		< 0.01	
39676		< 0.01	
39677		< 0.01	
39678		< 0.01	
39679		< 0.01	
39680	1	0.05	
39681	1	0.02	0.02
39682	2	< 0.01	
39683		0.02	
39684		< 0.01	
39685		< 0.01	
39686		0.01	
39687		< 0.01	

1. No Reject
2. Duplicate

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Assay Certificate

Certificate Number: 12-4145

Company: **Opawica Exploration Inc.**

Project: Tech Kirkland

Report Date: 31-Dec-12

Attn: Paul Antoniazzi

We hereby certify the following Assay of 49 core samples submitted 14-Dec-12 by Paul Antoniazzi

Sample Number	Au FA-AAS g/Mt	Au Chk FA-AAS g/Mt
39688	< 0.01	
39689	< 0.01	
Blank Value	< 0.01	
OxH97	1.25	
39690	< 0.01	

1. No Reject
2. Duplicate

Certified by J. Lin

Jing Lin, M Sc.

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Assay Certificate

Certificate Number: 12-4146

Company: **Opawica Exploration Inc.**

Project: Tech Kirkland

Attn: Paul Antoniazzi

Report Date: 03-Jan-13

We hereby certify the following Assay of 21 core samples submitted 14-Dec-12 by Paul Antoniazzi

Sample Number		Au FA-AAS g/Mt	Au Chk FA-AAS g/Mt
39691		0.88	
39692		0.01	
39693		< 0.01	
39694		< 0.01	
39695		< 0.01	
39696		< 0.01	
39697		< 0.01	
39698		< 0.01	
39699		< 0.01	
39700	1	< 0.01	< 0.01
Blank Value		< 0.01	
OxH97		1.28	
39701	. 2	< 0.01	
39702		< 0.01	
39703		< 0.01	
39704		< 0.01	
39705		< 0.01	
39706		< 0.01	
39707		< 0.01	
39708		0.02	
39709		< 0.01	
39710		< 0.01	< 0.01
39711		0.86	

1. No Reject
2. Duplicate

Certified by Jing Lin

Jing Lin, M Sc.

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Telephone (705) 642-3244 Fax (705) 642-3300

Swastika Laboratories Ltd

Established 1928

Assaying - Consulting - Representation

Assay Certificate

Certificate Number: 12-4156

Company: **Opawica Exploration Inc.**

Project: Tech Kirkland

Report Date: 03-Jan-13

Attn: Paul Antoniazzi

We hereby certify the following Assay of 51 core samples submitted 18-Dec-12 by Paul Antoniazzi

Sample Number		Au FA-AAS g/Mt	Au Chk FA-AAS g/Mt
39712		0.02	
39713		< 0.01	
39714		< 0.01	
39715		< 0.01	
39716		< 0.01	
39717		< 0.01	
39718		< 0.01	
39719		0.05	
39720		< 0.01	
39721	1	< 0.01	< 0.01
Blank Value		< 0.01	
OxH97		1.27	
39722		< 0.01	
39723		< 0.01	
39724		< 0.01	
39725		< 0.01	
39726		< 0.01	
39727		< 0.01	
39728		< 0.01	
39729		< 0.01	
39730		< 0.01	
39731		0.80	
39732		< 0.01	< 0.01
39733		< 0.01	
39734		< 0.01	

1. Duplicate
2. No Reject

Certified by Jing Lin

Jing Lin, M Sc.

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Assaying - Consulting - Representation

Assay Certificate

Certificate Number: 12-4156

Company: **Opawica Exploration Inc.**

Project: Tech Kirkland

Report Date: 03-Jan-13

Attn: Paul Antoniazzi

We hereby certify the following Assay of 51 core samples submitted 18-Dec-12 by Paul Antoniazzi

Sample Number		Au FA-AAS g/Mt	Au Chk FA-AAS g/Mt
39735		< 0.01	
39736		< 0.01	
39737		< 0.01	
39738		< 0.01	
39739		< 0.01	
Blank Value		< 0.01	
OxH97		1.28	
39740	2	< 0.01	
39741	. 2	< 0.01	< 0.01
39742		< 0.01	
39743		< 0.01	
39744		< 0.01	
39745		< 0.01	
39746		< 0.01	
39747		< 0.01	
39748		< 0.01	
39749		< 0.01	
39750		< 0.01	
39751		0.85	
39752		< 0.01	< 0.01
39753		< 0.01	
39754		< 0.01	
39755		< 0.01	
39756		< 0.01	
39757		< 0.01	

1. Duplicate
2. No Reject

Certified by Jing Lin

Jing Lin, M Sc.

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Assay Certificate

Certificate Number: 12-4156

Company: **Opawica Exploration Inc.**

Project: Tech Kirkland

Report Date: 03-Jan-13

Attn: Paul Antoniazzi

We hereby certify the following Assay of 51 core samples submitted 18-Dec-12 by Paul Antoniazzi

Sample Number	Au FA-AAS g/Mt	Au Chk FA-AAS g/Mt
39758	< 0.01	
39759	< 0.01	
Blank Value	< 0.01	
OxH97	1.27	
39760	< 0.01	
39761	< 0.01	< 0.01
39762	< 0.01	

1. Duplicate
2. No Reject

Certified by J. g Lin

Jing Lin, M Sc.

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Assay Certificate

Certificate Number: 12-4157

Company: **Opawica Exploration Inc.**

Project: Tech Kirkland

Attn: Paul Antoniazzi

Report Date: 02-Jan-13

We hereby certify the following Assay of 49 core samples submitted 18-Dec-12 by Paul Antoniazzi

Sample Number		Au FA-AAS g/Mt	Au Chk FA-AAS g/Mt
39763		< 0.01	
39764		< 0.01	
39765		< 0.01	
39766		< 0.01	
39767		0.05	
39768		0.03	
39769		< 0.01	
39770		0.04	
39771		0.84	
39772		< 0.01	< 0.01
Blank Value		< 0.01	
OxH97		1.24	
39773		0.02	
39774		0.11	
39775		0.04	
39776		0.02	
39777		0.02	
39778		0.01	
39779		0.03	
39780		0.11	
39781	1	0.12	
39782		< 0.01	< 0.01
39783		0.17	
39784		0.10	
39785		0.07	

1. Duplicate

Certified by Jing Lin

Jing Lin, M Sc.

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Assay Certificate

Certificate Number: 12-4157

Company: **Opawica Exploration Inc.**

Project: Tech Kirkland

Report Date: 02-Jan-13

Attn: Paul Antoniazzi

We hereby certify the following Assay of 49 core samples submitted 18-Dec-12 by Paul Antoniazzi

Sample Number		Au FA-AAS g/Mt	Au Chk FA-AAS g/Mt
39786		0.10	
39787		0.03	
39788		0.04	
39789		0.02	
39790		0.02	
Blank Value		< 0.01	
OxH97		1.26	
39791		0.84	
39792		0.03	0.02
39793		0.01	
39794		< 0.01	
39795		< 0.01	
39796		< 0.01	
39797		< 0.01	
39798		< 0.01	
39799		0.02	
39800		< 0.01	
39801	1	< 0.01	
39802		< 0.01	< 0.01
39803		< 0.01	
39804		0.02	
39805		< 0.01	
39806		< 0.01	
39807		< 0.01	
39808		0.01	

1. Duplicate

Certified by Jing Lin

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Swastika Laboratories Ltd

Established 1928

Assaying - Consulting - Representation

Assay Certificate

Certificate Number: 12-4157

Company: **Opawica Exploration Inc.**

Project: Tech Kirkland

Report Date: 02-Jan-13

Attn: Paul Antoniazzi

We hereby certify the following Assay of 49 core samples submitted 18-Dec-12 by Paul Antoniazzi

Sample Number	Au FA-AAS g/Mt	Au Chk FA-AAS g/Mt
39809	< 0.01	
39810	< 0.01	
Blank Value	< 0.01	
OxH97	1.27	
39811	0.81	

1. Duplicate

Certified by Jing Lin

Jing Lin, M Sc.

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Swastika Laboratories Ltd

Established 1928

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Assay Certificate

Certificate Number: 12-4158

Company: **Opawica Exploration Inc.**

Project: Tech Kirkland

Report Date: 31-Dec-12

Attn: Paul Antoniazzi

We hereby certify the following Assay of 29 core samples submitted 18-Dec-12 by Paul Antoniazzi

Sample Number		Au FA-AAS g/Mt	Au Chk FA-AAS g/Mt
39812		< 0.01	
39813		< 0.01	
39814		0.02	
39815		< 0.01	
39816		< 0.01	
39817		< 0.01	
39818		< 0.01	
39819		< 0.01	
39820		0.01	
39821	1	< 0.01	< 0.01
Blank Value		< 0.01	
OxH97		1.27	
39822		< 0.01	
39823		< 0.01	
39824		< 0.01	
39825		< 0.01	
39826		< 0.01	
39827		< 0.01	
39828		< 0.01	
39829		< 0.01	
39830		< 0.01	
39831		0.85	
39832		< 0.01	< 0.01
39833		< 0.01	
39834		< 0.01	

1. Duplicate

Certified by J. Lin

Jing Lin, M Sc.

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Established 1928

Swastika Laboratories Ltd

Assaying - Consulting - Representation

Assay Certificate

Certificate Number: 12-4158

Company: **Opawica Exploration Inc.**

Project: Tech Kirkland

Report Date: 31-Dec-12

Attn: Paul Antoniazzi

We hereby certify the following Assay of 29 core samples submitted 18-Dec-12 by Paul Antoniazzi

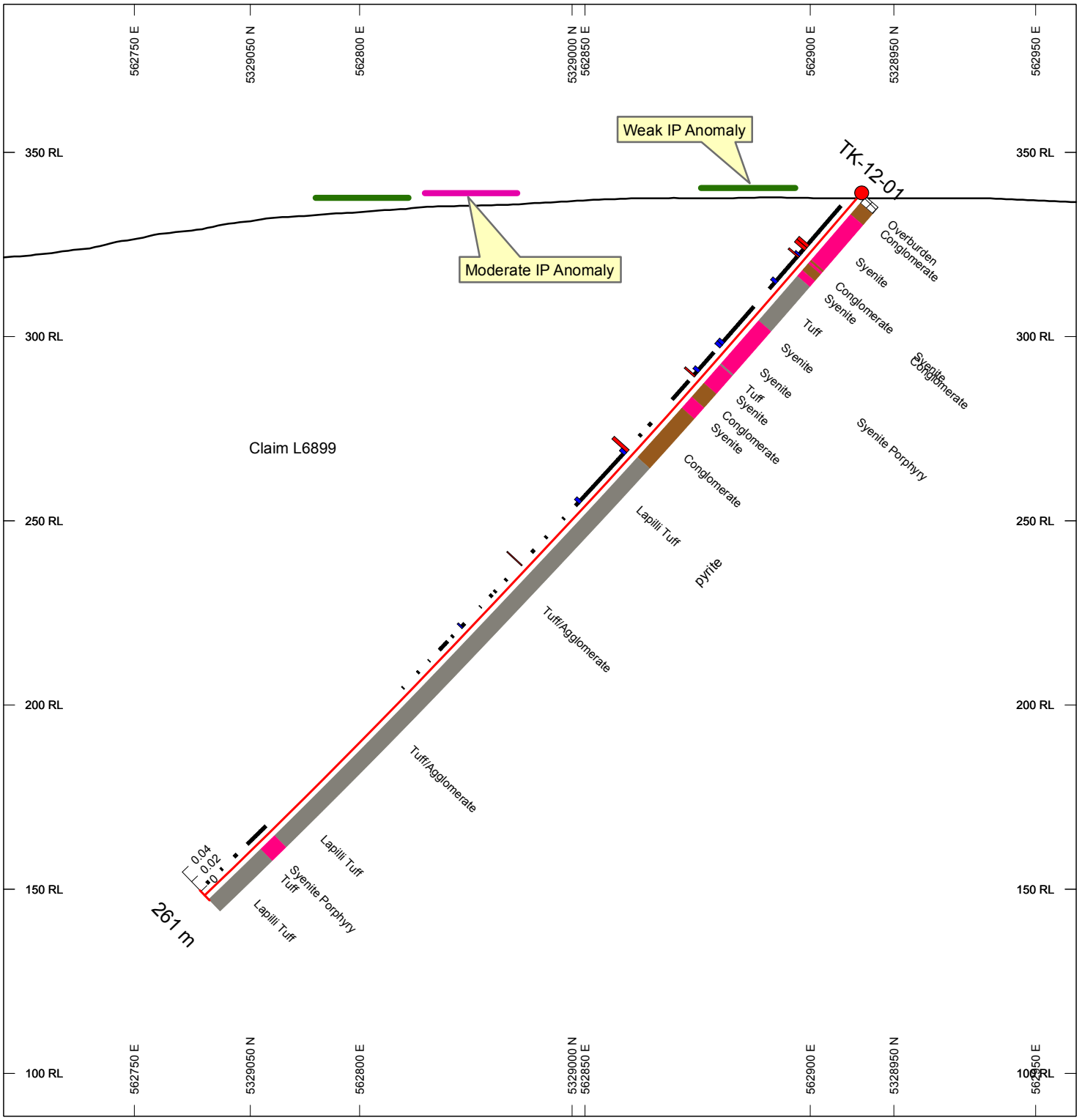
Sample Number	Au FA-AAS g/Mt	Au Chk FA-AAS g/Mt
39835	< 0.01	
39836	< 0.01	
39837	< 0.01	
39838	< 0.01	
39839	< 0.01	
Blank Value	< 0.01	
OxH97	1.26	
39840	< 0.01	

1. Duplicate

Certified by J. Lin

Jing Lin, M Sc.

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Telephone (705) 642-3244 Fax (705) 642-3300



HOLES PLOTTED

TOTAL 1

TK-12-01

BAR GRAPHS	L/R	COL	RANGE
Au g/t	L		0.01
			0.005

ROCK CODES	PAT	LABEL	DESCRIPTION
CODE		OVBD	overburden
		A9	syenite; porphyry
		T4	tuff; agglomerate
		T2	conglomerate; wacke

POSTED TEXT	L/R	TEXT	ITEMS
Rock Type	R	-------	All

SECTION SPECS:

REF. PT. E, N	562840 m	5329005 m
EXTENTS	290.6 m	301.8 m
SECTION TOP, BOT	390.2 m	88.38 m
TOLERANCE +/-	12.5 m	

SCALE 1:1,500

(m)

-10 0 10 20 30 40 50

NAD83 / UTM zone 17N

AZIMUTH = 125°

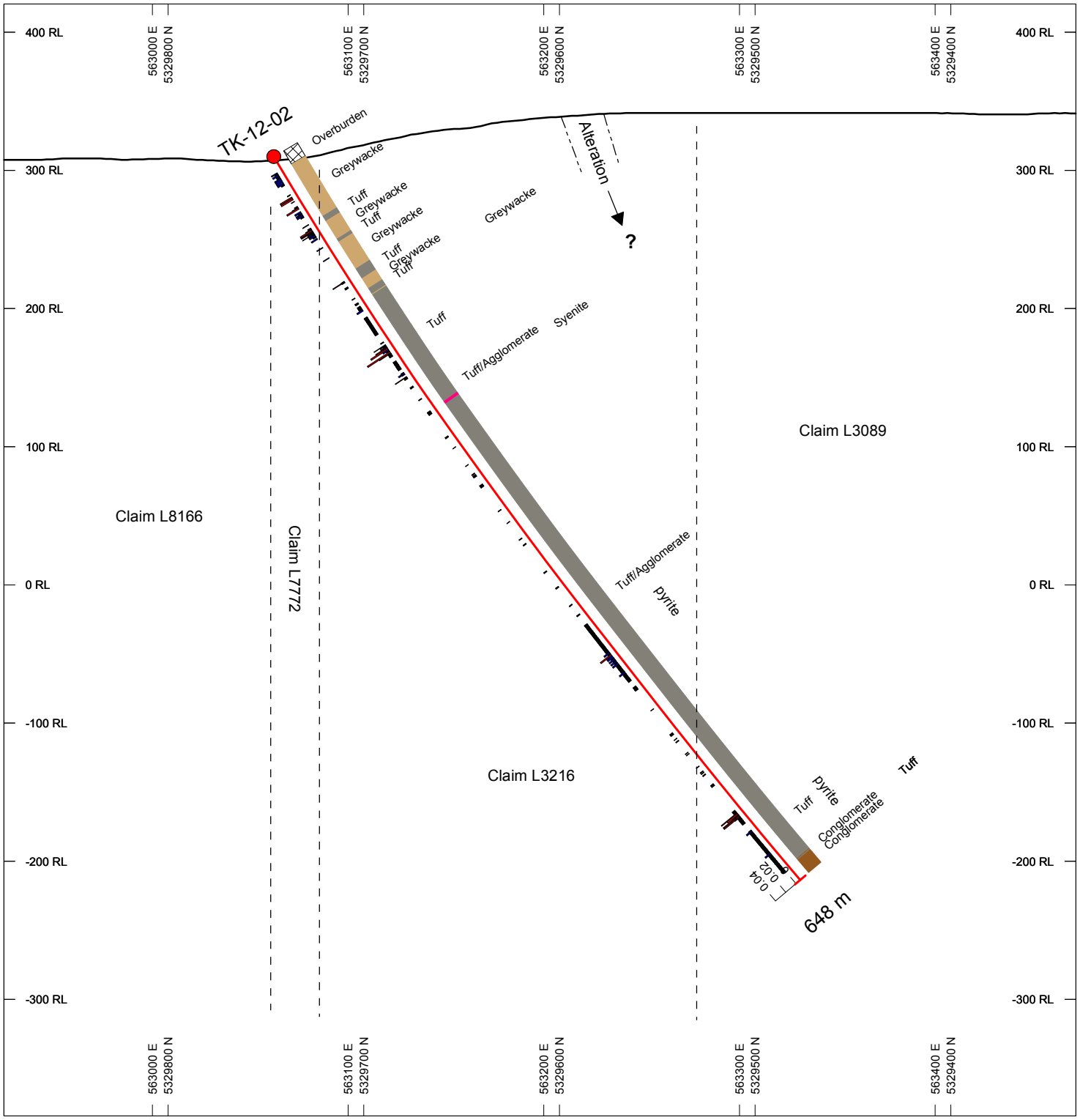
N W E S

Opawica Explorations Inc.

Section TK-12-01

Looking NE

Teck-Kirkland Property



HOLES PLOTTED

TOTAL 1

TK-12-02

BAR GRAPHS	L/R	COL	RANGE
Au g/t	L		0.01
			0.005

ROCK CODES CODE	PAT	LABEL	DESCRIPTION
		OVBD	overburden
		A9	syenite; porphyry
		T4	tuff; agglomerate
		T2	conglomerate; wacke
		T1	greywacke

POSTED TEXT	L/R	TEXT	ITEMS
Rock Type	R	-------	All

SECTION SPECS:

REF. PT. E, N	563198 m	5329610 m
EXTENTS	774.8 m	804.8 m
SECTION TOP, BOT	420.5 m	-384.3 m
TOLERANCE +/-	12.26 m	

SCALE 1:4,000

(m)

-20 0 20 40 60 80 100 120

NAD83 / UTM zone 17N

AZIMUTH = 135°

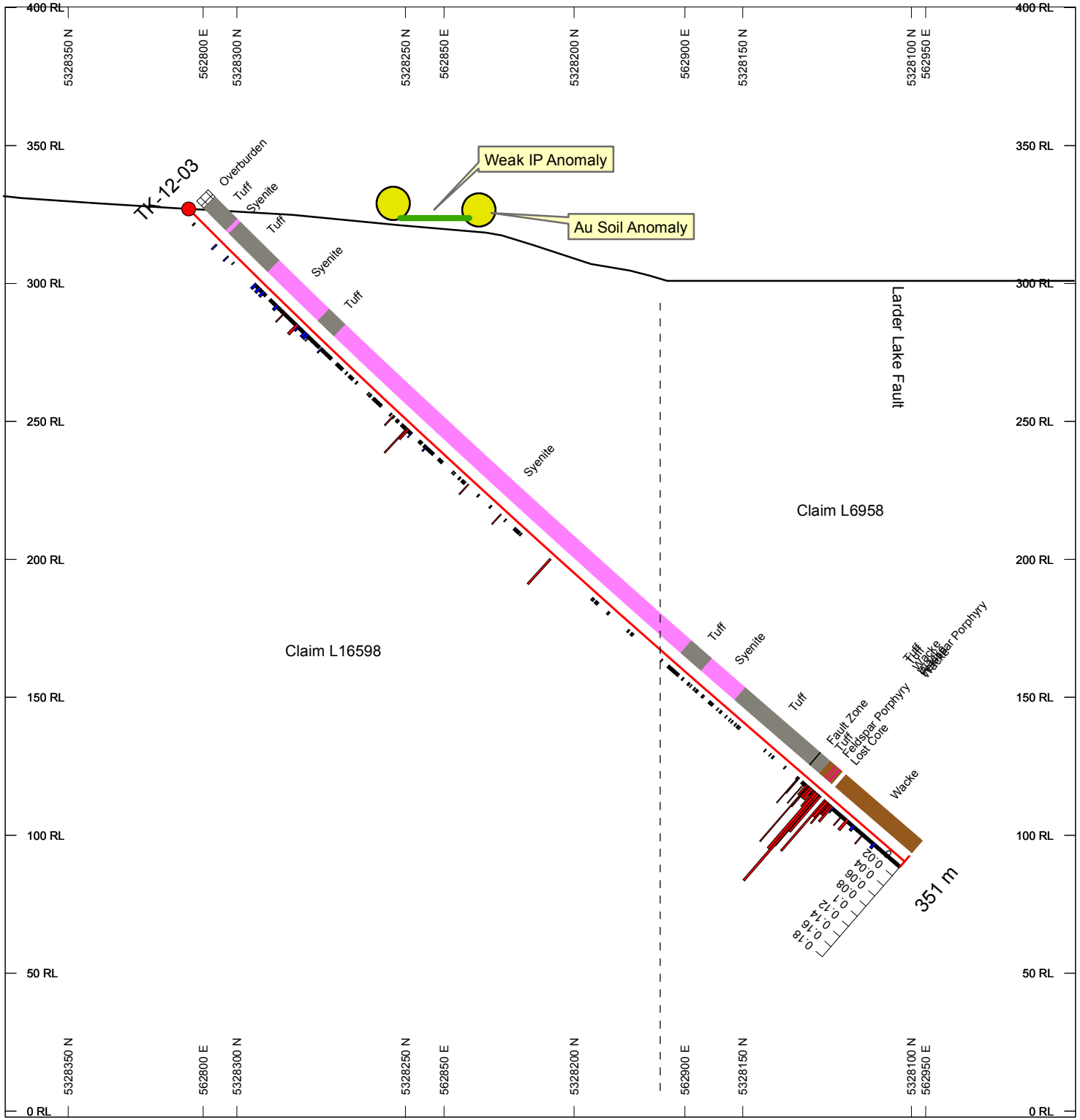
N W E S

Opawica Explorations Inc.

Section TK-12-02

Looking NE

Teck-Kirkland Property



HOLES PLOTTED

TOTAL 1

TK-12-03

BAR GRAPHS	L/R	COL	RANGE
Au g/t	L		0.01
			0.005

ROCK CODES CODE	PAT	LABEL	DESCRIPTION
		OVBD	overburden
		A9	syenite; porphyry
		A5	basic syenite
		T4	tuff; agglomerate
		T2	conglomerate; wacke
		FZ	fault zone
		LC	lost core

POSTED TEXT	L/R	TEXT	ITEMS
Rock Type	R	-------	All

SECTION SPECS:

REF. PT. E, N	562870 m	5328210 m
EXTENTS	387.4 m	402.4 m
SECTION TOP, BOT	400.2 m	-2.16 m
TOLERANCE +/-	12.5 m	

SCALE 1:2,000

(m)

-10 0 10 20 30 40 50 60

NAD83 / UTM zone 17N

AZIMUTH = 145°

N W E S

Opawica Explorations Inc.

Section TK-12-03

Looking East-Northeast

Teck-Kirkland Property

UTM Zone 17 NAD 83

N

1:5000

0 800 m

Opawica Explorations Inc.

Drill Hole Location Map
TK-12-01, TK-12-02, TK-12-03

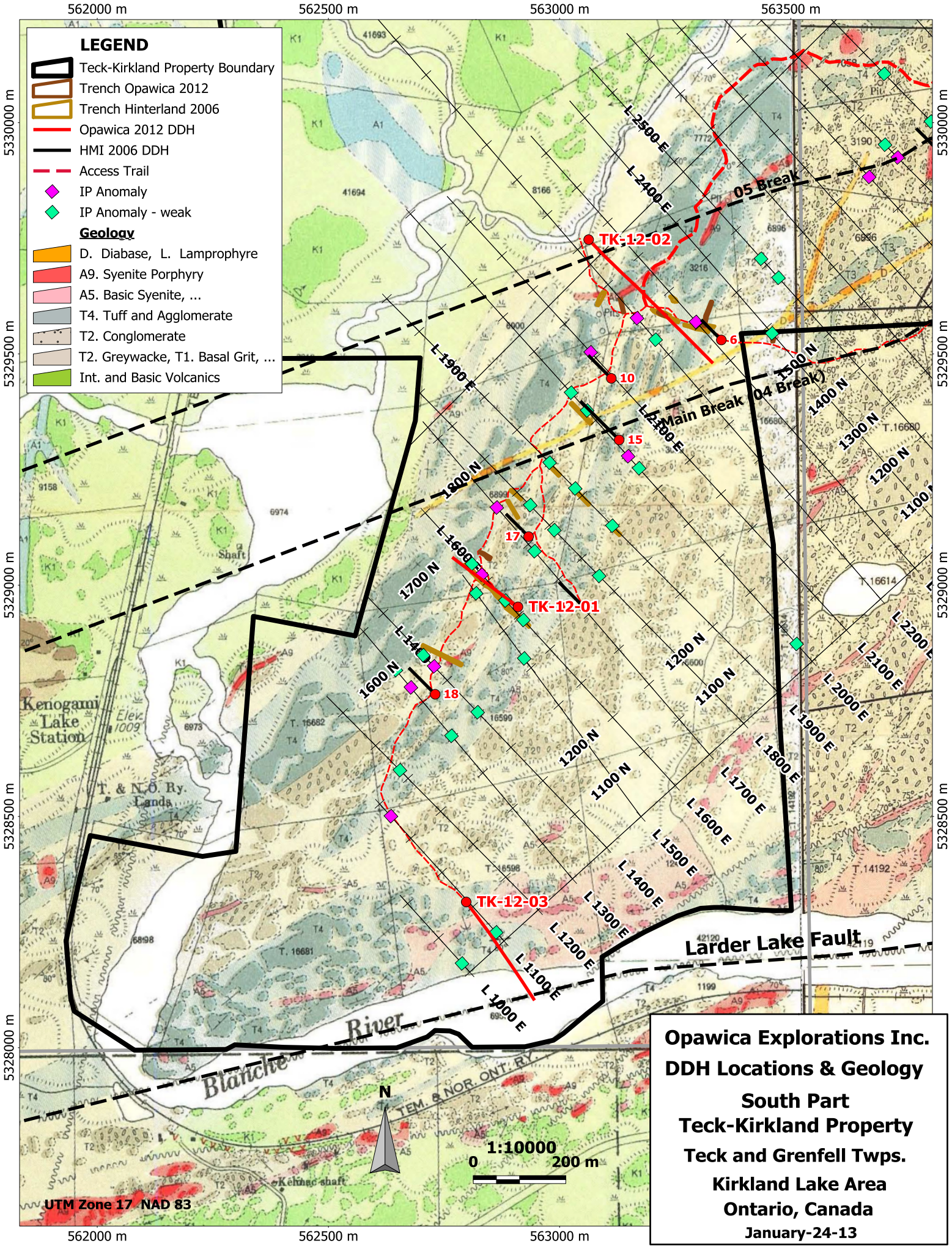
Teck-Kirkland Property

Teck and Grenfell Twps.

Kirkland Lake Area

Ontario, Canada

January-24-13


LEGEND
Teck-Kirkland Property Boundary
Trench Opawica 2012
Trench Hinterland 2006
Opawica 2012 DDH
HMI 2006 DDH
Access Trail
IP Anomaly
IP Anomaly - weak
Geology
D. Diabase, L. Lamprophyre
A9. Syenite Porphyry
A5. Basic Syenite, ...
T4. Tuff and Agglomerate
T2. Conglomerate
T2. Greywacke, T1. Basal Grit, ...
Int. and Basic Volcanics
562000 m
562500 m
563000 m
563500 m
5330000 m
5329500 m
5329000 m
5328500 m
5328000 m
TK-12-02
TK-12-01
TK-12-03
6
10
15
17
18
05 Break
Main Break (04 Break)
Larder Lake Fault
Kenogami Lake Station
T. & N.O. Ry. Lands
Blanche River
T. & N.O. RY.
Kelmac shaft
Shaft
N
1:10000
0
200 m
UTM Zone 17 NAD 83
Opawica Explorations Inc.
DDH Locations & Geology
South Part
Teck-Kirkland Property
Teck and Grenfell Twps.
Kirkland Lake Area
Ontario, Canada
January-24-13