# ASSESSMENT REPORT COVERING THE 2010 TRENCHING WORK PROGRAM

ON THE

**Brinklow Property** 

Oakes and Daley Township, Thunder Bay Mining District

UTM Zone 16 - NAD 83 Projection 532140mE 5517285 mN

2.50679



PREPARED BY:

Andrew Tims, P.Geo.

Northern Mineral Exploration Services

January 12, 2012

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#### **SUMMARY**

The Brinklow Property covers a portion of Oakes and Daley Townships, approximately 1.5 km northwest of Longlac, Ontario in the Thunder Bay Mining Division. The property consists of six unpatented mineral claims totalling 57 units, or 912 hectares.

Geological mapping, stripping, and channel sampling were carried over three new areas covering coincident gold in soil anomalies, IP chargeability's and/or VLF conductor trends. This trenching program confirmed the existence of a well-developed array of east west centimetre-scale shears and late brittle faulting in a north-south azimuth. There are 3 or 4 generations quartz-carbonate veinlets, most do not carry any gold values and typically crosscut the shears. Boudinaged and folded quartz-ankerite veins are occasionally present within the east-west shears, carry elevated gold values and are assumed to be the oldest generation.

The highest gold values (g/t) was found in Trench#5 at 0.539 g/t over a 1-mwetre sample length. Samples intervals of strong ankerite alteration in all three Trenches had elevated gold, though some alteration zones were only slightly trenches yielded elevated background gold values.

Further work is required to determine the properties gold potential. Gold is present on the property. Locating the intersection of the east-west shears with a cross-cutting structure or a lithological contact is the preferred exploration target. The Brinklow property has low topographical relief resulting is extensive spruce covered wet land with sparse outcrop exposure. A detailed structural evaluation of the structures exposed in the six trenches on the property is required. The results of such a study should be applied to the interpretation of the magnetic data to identify the location prospective high grade structures. A work program with a budget of \$72,625 is recommended.

#### INTRODUCTION

This report presents and summarizes the results of a overburden trenching, mapping and sampling program conducted by the author during the months of August and September 2010 on the Brinklow property located northwest of Longlac, Ontario (Figure 1). The work was carried out for Golden Chalice Resources which subsequently changed its name to Rogue Resources Inc. in October of 2010.

Andrew Tims P.Geo of Thunder Bay designed and supervised the work program assisted by Matt Cowman London, Ontario.

#### PROPERTY DESCRIPTION AND LOCATION

The Brinklow Property covers a portion of Oakes and Daley Townships, approximately 1.5 km northwest of Longlac, Ontario (Figure 1), in the Thunder Bay Mining Division. The approximate UTM co-ordinates for the centre of the property are 532140 mE 5517285 mN (Datum NAD 83 Zone 16U); NTS 42E/15. The property consists of six unpatented mineral claims totalling 57 units, or 912 hectares; the claim dispositions are listed in Table 1 and shown in Figure 2.

**Table 1. Brinklow Property Claims** 

Thunder Bay Mining Division - Rogue Resources Inc. CLAIMS

Claim #	Township	Recorded	Due Date	Work	Applied	Reserve	Units
4202437	OAKES (G-0307)	2006-Aug-31	2012-Aug-31	\$6,400	\$25,600	\$0	16
4202438	DALEY (G-0482)	2006-Aug-31	2012-Aug-31	\$800	\$3,200	\$0	2
4202439	DALEY (G-0482)	2006-Aug-31	2012-Aug-31	\$6,400	\$25,600	\$395	16
4209393	DALEY (G-0482)	2006-May-29	2012-May-29	\$6,000	\$24,000	\$54,706	15
4246384	DALEY (G-0482)	2010-Feb-19	2012-Feb-19	\$1,600	\$0	\$0	4
4246385	OAKES (G-0307)	2010-Feb-19	2012-Feb-19	\$1,600	\$0	\$0	4

#### ACCESSIBILITY AND PHYSIOGRAPHY

The Brinklow property lies approximately 1.5 kilometres northwest of the town of Longlac, Ontario. During the spring, summer and fall season, the area can be

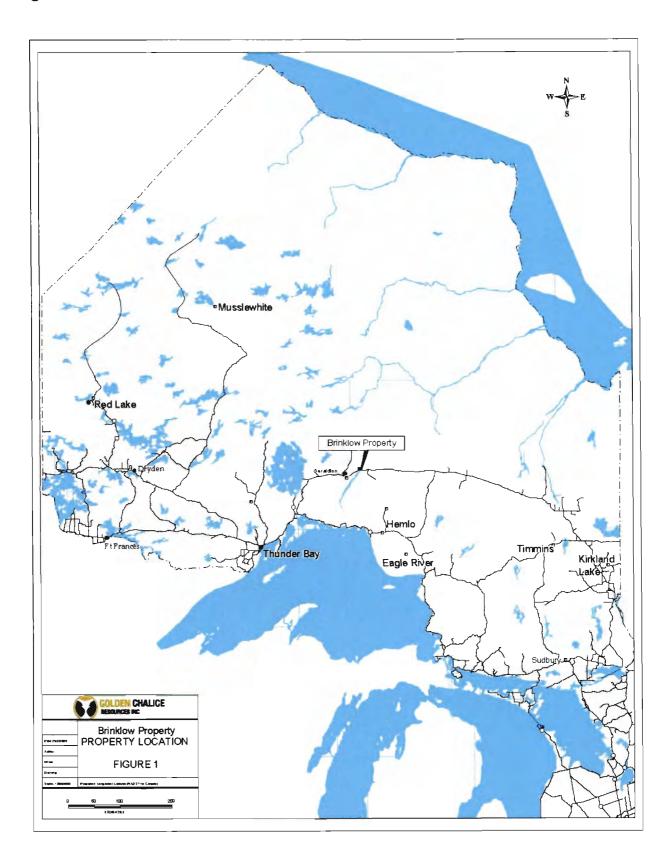
accessed from the Blueberry haulage, which is entered several km east of Longlac on the Trans Canada highway, then turning left onto Crib Road that goes to Nakina. A tertiary access road (Isis Road) allows access to the northwestern section of the property and starts about 600 m west of the bridge crossing the Kenogami River, and is the main access to the three trenches described in this report (Figure 2). Access is also possible by boat along the Kenogami River or by walking along either the Canadian National main line or by walking or using an ATV alongside the Trans-Canada Pipeline.

Temperatures range from highs of 38° C in summer to lows of –30° C in winter, with snow cover between November and May. The best season for exploration is between August and October (to avoid the bugs), though any snow free month is good. In swampy areas exploration activities such as geophysical surveys and diamond drilling might best be conducted after winter freeze up.

The Brinklow property is relatively flat with up to 10 m relief (usually less) in slightly undulating ground. Spruce bog along the rail line and near the Kenogami River is very flat. Overburden outside of boggy areas is generally very shallow over the entire group.

5

Figure 1. Location



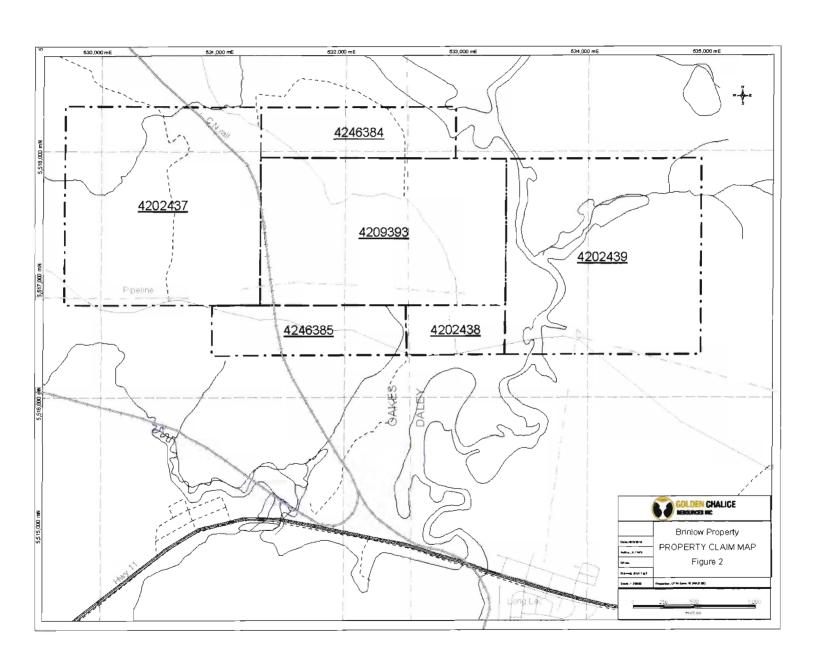


Figure 2. Claims

#### PROPERTY HISTORY

Initial work and the discovery of gold at Little Long Lac created interest in the region. The Brinklow property was first mapped in detail by Fairbairn in 1936 for the Ontario Department of Mines (Fairbairn, 1938). In 1997, the western half of the property was remapped by Kresz and Zayachivsky for the Ontario geological survey (Kresz and Zayachivsky, 1987 & 1991). The following year, the eastern half of the property was mapped by the same geologists (note that the junior author was a field member on this crew in 1988) (Kresz and Zayachivsky, 1988 & 1993). Aside from the government mapping, mineral exploration on the property has been somewhat limited and is summarized below.

During the summer of 1987, William and Lonnie Brinklow undertook a sampling and assay program that included plugger drilling, and a VLF Radem 218 survey.

In 1988, Grand Oakes Exploration Inc. conducted a work program principally to the west of the claim block that included the westen portion of the Brinklow property. Work included geological mapping, VLF and EM, including Magnetic Contours.

During the summer of 1990 after claiming the area, William and Lonnie Brinklow undertook a work program that included line cutting, prospecting, ground magnetics and VLF-EM surveying.

During the summer of 1992, William and Lonnie Brinklow had Sears, Barry and Associates Ltd. conduct a 363 sample soil survey over part of the claim block to evaluate the area, try to delineate drill targets and explain the "A" conductor (Sears, 1993). In the fall of 1993, Greater Lenora Resources Corporation optioned the property and drilled 2 diamond drill holes, with a 9.052 g/t assay in the northern hole in a quartz vein (Carmichael, 1993).

Golden Chalice Resources Inc. staked the original four claims (49 units) in August of 2006. A program of magnetic and very low frequency surveys were completed over 19 km of cut in June of 2007. Additional claims were staked in 2008 followed by an expansion of the grid by 22 line-kilometres with continuation of the magnetic and VLF surveys. A 1,202 sample "B" horizon soil program was completed in the summer of 2008 over the entire gridded portion of the property. An overburden stripping program followed in the fall of 2008 consisting of three trenches exposing 0.30 ha of bedrock and 205 channel samples. Prospecting of soil targets was undertaken in 2009.

#### REGIONAL GEOLOGY

The Brinklow property is located in the eastern end of the Geraldton Gold camp within the Beardmore-Geraldton Belt along the southern margin of the Archean Wabigoon subprovince, Superior Province, Ontario. The belt consists of shearbounded interleaved metasedimentary and metavolcanic units. The units were imbricated from 2696 to 2691 Ma during D1 thrusting and accretion of the Wabigoon, Quetico, and Wawa subprovinces. The sediments are comprised of Precambrian turbidite assemblages with interbeds of banded iron formation and lesser mafic volcaniclastic (Kresz & Zayachivsky, 1991). Semi-conformable sills of diorite/gabbro, including quartz and quartz-feldspar porphyry intrude these formations. The sediments/volcanics and intrusives have been deformed into tight large and small-scale isoclinal folds. Local and belt scale faulting has locally produced intense ductile deformation of the rocks in the Geraldton area which is manifested as tight to almost isoclinal, generally upright, polyharmonic folding of major lithologic units, penetrative deformation, folding and boudinage of veins, lithographic units and local transposition of primary contacts. The degree of deformation is highly variable over relatively short distances; strain partitioning with different degrees and styles of deformation is apparent in deformed rocks that is dependent on both primary lithology and proximity to the Bankfield-Tombill Fault. The Bankfield-Tombill traverses the south edge of the belt and bifurcates about the Croll Lake Stock. Gold mineralisation within the belt generally occurs in association with subvertical structures associated with quartz veins or stringers, minor to semi-massive sulphides (associated with replacement zones in BIF), weak to moderate carbonate and weak to strong sericite alteration. See Fig 3.

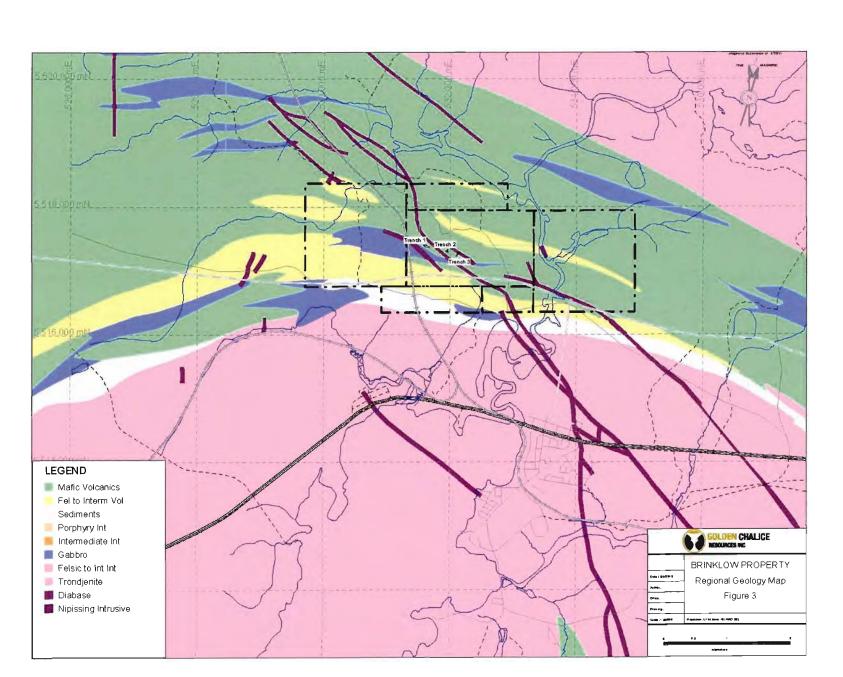


Figure 3. Regional Geology

#### WORK PROGRAM

Prior to the trenching program, a work program of outcrop prospecting was completed over the area. This data was assisted in planning the current trenching program. Three areas suitable for trenching were identified based on magnetis, IP, VLF and gold in soils anomalies. Trench outlines were flagged where the best chances of exposing mineralization were thought to be due to shallow outcrop and observed mineralization.

The work program was undertaken from the 1st of August to the 15th of September 2010. Excavating the trenches was supervised on site by Mathew Cowman, currently of London, Ontario with supervision by Andrew Tims. Excavating, washing and channel sampling was completed by Thorcox Excavating Ltd. of Beardmore, Ontario using a Caterpillar 215 excavator. A. Tims spent 4 days laying grid and mapping the trench geology.

A total of 142 samples were analyzed for gold. Trench maps are in Appendix 1. Assay certificates and analytical procedures for Accurassay Laboratories are listed in Appendix 2.

The daily field log for Mathew Cowman is as follows:

## August 1

M. Cowman and A.Tms drove from Thunder Bay to Longlac, Ontario. Laid out trench 4 and trench 5 flagging in access routes.

#### August 2

Laid out Trench 6. Checked access from various directions

#### August 3

Toured the contractor through trenching sites. Flagged route into trench 6 and returned to Thunder Bay.

#### August 15

M. Cowman drove to Longlac and supervised mobilization of excavator on to trench 4 site. Overburden stripping of Trench 4 commences.

#### August 16

Overburden stripping of trench 4 continues.

Figure 4 Soil Geochemistry and Geophysical Summary

#### August 17

Overburden stripping of trench 4 finishes. Move to trench 5 and commence overburden stripping from north end of proposed trench

#### August 18

Overburden stripping of trench 5 continues. Additional contractor crew arrives and begins power washing trench 4 with Honda pump.

#### August 19

Overburden stripping of trench 5 continues. Bedrock surface too deep for excavator. Machine is moved to southern end of proposed trench and strips back towards the north. Power washing on trench 4 continues. A. Tims drives to Longlac. A. Tims and M. Cowman lay down grid and begins geological mapping in trench 4.

#### August 20

Overburden stripping of trench 5 finishes with 28 m section too deep to safely trench. Trench divided into 5N and 5S sections. Excavator moved to trench 6. Power washing of trench 4 complete with pump moved to trench 5. A. Tims continues geological mapping and marks out channel samples.

#### August 2

A. Tims and M. Cowman lay down grid and begins geological mapping trench 5.

#### August 22

Overburden stripping of trench 6 and power washing of trench 5 continues. Water source is drained dry requiring the pump to be moved. A. Tims continues geological mapping and marks out channel samples and returns to Thunder Bay.

#### August 23

Overburden stripping of trench 6 is completed. Power washing of trench 5 is finished and power washing of trench 6 commences. A second pump, wajax, is added to water line to keep sump holes filled. C. Cowman returns to Thunder Bay.

#### August 24

Additional water sources are checked and sump holes dug. Power washing of trench 6 continues sporadically. C. Cowman returns to Thunder Bay. A. Tims drives to Longlac. A. Tims lays down grid and begins geological mapping in trench 6.

#### August 25

Power washing of trench 6 finishes. Excavator is walked out to float and leaves property. Cutting of channel samples in trench 4 starts. A. Tims continues geological mapping and marks out channel samples in trench 6.

#### August 26

Cutting of channel samples in trench 4 continues.

#### August 27

Cutting of channel samples in trench 4 continues.

August 29

Cutting of channel samples in trench 4 continues.

August 30

Cutting and chipping of channel samples in trench 4.

August 31

Collection of channel samples in trench 4 completed and cutting of trench 5 channel samples commences. 70 samples

September 1

Cutting and chipping of channel samples in trench 5.

September 2

Cutting and chipping of channel samples in trench 5

September 3

Collection of channel samples in trench 5 completed and cutting of trench 6 channel samples commences. 37 samples

September 4

Cutting and chipping of channel samples in trench 6.

September 6

Cutting and chipping of channel samples in trench 6.

September 7

Cutting and chipping of channel samples in trench 6.

September 8

Chipping of channel samples in trench 6 completed. Contractor mobilizes off of property. 35 samples

September 11

Samples delivered to Accurassay Laboratory in Thunder Bay

#### INTERPRETATION AND CONCLUSIONS

Geological mapping, stripping, and channel sampling were carried over three new areas covering coincident gold in soil anomalies, IP chargeability's and/or VLF conductor trends. The intent of the trenching program was to better expose the relationship of the bedrock geology with the historical gold in soil and diamond drilling results.

As in the previous trenching program the three new trenches revealed the same mafic volcanic assemblage hosting minor centimetre-scale gabbro dykes and late cross cutting diabase dykes. There is a well-developed array of centimetre-scale shears in an east west orientation and late brittle faulting in a north-south

azimuth. Quartz-carbonate veinlets are ubiquitous throughout, typically as conjugate sets, but do not carry any gold values and typically crosscut the shears. Boudinaged and folded quartz-ankerite veins are occasionally present within the east-west shears, carry elevated gold values and are assumed to be the oldest generation.

The highest gold values (g/t) was found in Trench#5 at 0.539 g/t over a 1-mwetre sample length. The sample included a rusty folded quartz-ankerite vein (see Pictures #4 & #5). Unlike the previous striping program no native gold was noted in the quartz-ankerite veinlet. Samples intervals of strong ankerite alteration in all three Trenches had elevated gold, though some alteration zones were only slightly trenches yielded elevated background gold values.

#### RECOMMENDATIONS

Further work is required to determine the properties gold potential. Gold is present on the property. Locating the intersection of the east-west shears with a cross-cutting structure or a lithological contact is the preferred exploration target. The Brinklow property has low topographical relief resulting is extensive spruce covered wet land with sparse outcrop exposure. A detailed structural evaluation of the structures exposed in the six trenches on the property is required. The results of such a study should be applied to the interpretation of the magnetic data to identify the location prospective high grade structures. A budget of \$27,060 is proposed below.

#### **Proposed Budget**

Structural Geologist	
(12 days structure evaluation @\$1,200/day)	14,400.00
(6 days magnetic map interpretation @\$1,200/day)	7,200.00
Reports and Maps	3,000.00
Contingencies	2.460.00
	<u></u>
TOTAL	. \$27,060.00

#### REFERENCES

- Brinklow, W., 1993 Report on a Geochemical Survey on the Long Lac Property, OP92-452 and OP92-453.
- Carmichael, S.J., 1993 Diamond Drilling Report on the Brinklow Option, Oakes and Daley Townships, Thunder Bay Mining Division for Greater Lenora, Resources Corp.
- Fairbairn, H.W., 1938 Geology of the Northern Long Lake area, Thunder Bay District, Ontario Department of Mines, Annual Report, 1937, v. 46, pt 3, p1-22.
- Kresz, D.U., and Zayachivsky, B.,1987 Northern Long Lake Area, District of Thunder Bay; p 93-98 in Summary of Field Work and Other Activities, 1987; Ontario Geological Survey Miscellaneous Paper 137.
- Kresz, D.U., and Zayachivsky, B., 1988 Seagram Lake Area, District of Thunder Bay; p 173-178 in Summary of Field Work and Other Activities, 1988; Ontario Geological Survey Miscellaneous Paper 141.
- Mackasey, W.O., 1970 The Beardmore Geraldton Belt; p 75-83 in 16th Institute on Lake Superior Geology Guidebook.
- Sears, S., M., 1993 Report on a Geochemical Survey (soils) on the Long Lac Property of William Brinklow & Lonnie Brinklow, OP92-452, OP92-453.
- Spence, I., 1990 B. Brinklow Geophysical Report Proton Magnetometer and VLF, Longlac Property, N.T.S. 42-E-15; a Private Report for W. and R.Brinklow; data by Phantom Exploration Services.

## STATEMENT OF QUALIFICATIONS

I, Andrew A. B. Tims, of 317 Sillesdale Cr., Thunder Bay Ontario hereby certify that:

- 1.) I am the author of this report.
- 2.) I graduated from Carleton University, in Ottawa, with a Bachelor of Science Degree in Geology (1989).
- 3.) I possess a valid prospector's license and have been practising my profession as a geologist involved in mineral exploration for the past 20 years.
- 4.) I am a practising member of the Association of Professional Geoscientist of Ontario as well as a Fellow of the Geological Association of Canada.
- 5.) I do not hold or expect to receive any interest in the property described in this report.
- 6.) I consent to the use of this report by Rogue Resources Inc.

Thunder Bay, Ontario January 12, 2012 Service

Andrew Tims

Northern Mineral Exploration

Rogue Resources Inc.

**Brinklow Property** 

## **APPENDIX 1 – TRENCH MAPS**

Trench Location Map. Map 1 (1:5 000) Trench 4. Map 2 (1:200) Trench 5 North. Map 3 (1:200) Trench 5 South. Map 4 (1:200) Trench 6 Map 5 (1:200) **APPENDIX 2 – ASSAY CERTIFICATE** 

i



1046 Gorham Street Thunder Bay, ON Canada P7B 5X5 Tel: (807) 626-1630 Fax: (807) 622-7571 www.accurassay.com assay@accurassay.com

# **Certificate of Analysis**

Tuesday, September 28, 2010

Golden Challice Resources Inc. Suite 711, 675 Hastings, St

Vancouver, BC, CAN

V6B1N2

Ph#: (604) 685-2222

Fax#: (604) 685-3764

Date Received: 09/13/2010 Date Completed: 09/27/2010

Job #: 201043764

Reference:

Sample #: 142 Rock

Acc#	Client ID	Au ppb	Au oz/t	Au g/t (ppm)
259363	18701	59	0.002	0.059
259364	18702	58	0.002	0.058
259365	18703	11	<0.001	0.011
259366	18704	9	<0.001	0.009
259367	18705	31	<0.001	0.031
259368	18706	8	< 0.001	0.008
259369	18707	13	< 0.001	0.013
259370	18708	10	< 0.001	0.010
259371	18709	10	< 0.001	0.010
259372	18710	16	< 0.001	0.016
259373 Dup	18710	14	< 0.001	0.014
259374	18711	14	< 0.001	0.014
259375	18712	13	< 0.001	0.013
259376	18713	<5	< 0.001	< 0.005
259377	18714	9	< 0.001	0.009
259378	18715	8	< 0.001	0.008
259379	18716	21	< 0.001	0.021
259380	18717	268	0.008	0.268
259381	18718	276	0.008	0.276
259382	18719	11	< 0.001	0.011
259383	18720	11	< 0.001	0.011
259384 Dup	18720	14	< 0.001	0.014
259385	18721	10	< 0.001	0.010
259386	18722	6	<0.001	0.006
259387	18723	18	<0.001	0.018

PROCEDURE CODES: ALP1, ALFA1

Certified By:

The results included on this report relate only to the items tested. The Certificate of Analysis should not be reproduced except in full, without the written approval of the laboratory.

lason Moore, General Manager



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Fax#: (604) 685-3764

Date Received: 09/13/2010 Date Completed: 09/27/2010

Job #: 201043764

Reference:

Sample #: 142 Rock

Acc#	Client ID	Au ppb	Au oz/t	Au g/t (ppm)
	18724	8	< 0.001	0.008
259389	18725	26	<0.001	0.026
259390	18726	45	0.001	0.045
259391	18727	36	0.001	0.036
259392	18728	406	0.012	0.406
259393	18729	51	0.001	0.051
259394	18730	58	0.002	0.058
259395 Dup	18730	66	0.002	0.066
259396	18731	10	< 0.001	0.010
259397	18732	9	< 0.001	0.009
259398	18733	11	< 0.001	0.011
259399	18734	9	< 0.001	0.009
259400	18735	8	< 0.001	0.008
259401	18736	32	< 0.001	0.032
259402	18737	17	< 0.001	0.017
259403	18738	9	< 0.001	0.009
259404	18739	12	< 0.001	0.012
259405	18740	11	< 0.001	0.011
259406 Dup	18740	20	< 0.001	0.020
259407	18741	12	< 0.001	0.012
259408	18742	11	< 0.001	0.011
259409	18743	12	< 0.001	0.012
259410	18744	17	< 0.001	0.017
259411	18745	25	< 0.001	0.025
259412	18746	12	< 0.001	0.012

PROCEDURE CODES: ALP1, ALFA1

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Ph#: (604) 685-2222

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Date Received: 09/13/2010 Date Completed: 09/27/2010

Job #: 201043764

Reference:

Sample #: 142 Rock

Acc#	Client ID	Au ppb	Au oz/t	Au g/t (ppm)
	18747	11	<0.001	0.011
259414	18748	52	0.002	0.052
259415	18749	17	<0.001	0.017
259416	18750	12	< 0.001	0.012
259417 Dup	18750	8	<0.001	0.008
259418	18751	10	<0.001	0.010
259419	18752	15	< 0.001	0.015
259420	18753	9	< 0.001	0.009
259421	18754	23	< 0.001	0.023
259422	18755	111	0.003	0.111
259423	18756	16	< 0.001	0.016
259424	18757	9	< 0.001	0.009
259425	18758	10	< 0.001	0.010
259426	18759	72	0.002	0.072
259427	18760	96	0.003	0.096
259428 Rep	18760	102	0.003	0.102
259429	18761	25	< 0.001	0.025
259430	18762	32	< 0.001	0.032
259431	<b>1</b> 8763	11	< 0.001	0.011
259432	18764	21	< 0.001	0.021
259433	18765	22	< 0.001	0.022
259434	18766	21	< 0.001	0.021
259435	18767	32	< 0.001	0.032
259436	18768	394	0.012	0.394
259437	18769	360	0.011	0.360

PROCEDURE CODES: ALP1, ALFA1

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Job #: 201043764

Reference:

Sample #: 142 Rock

Acc#	Client ID	Au ppb	Au oz/t	Au g/t (ppm)
	18770	494	0.014	0.494
259439 Dup	18770	484	0.014	0.484
259440	18771	539	0.016	0.539
259441	18772	13	< 0.001	0.013
259442	18773	81	0.002	0.081
259443	18774	11	< 0.001	0.011
259444	18775	10	< 0.001	0.010
259445	18776	10	< 0.001	0.010
259446	18777	46	0.001	0.046
259447	18778	25	< 0.001	0.025
259448	18779	34	< 0.001	0.034
259449	18780	16	< 0.001	0.016
259450 Dup	18780	22	< 0.001	0.022
259451	18781	40	0.001	0.040
259452	18782	123	0.004	0.123
259453	18783	25	< 0.001	0.025
259454	18784	11	< 0.001	0.011
259455	18785	215	0.006	0.215
259456	18786	104	0.003	0.104
259457	18787	105	0.003	0.105
259458	18788	11	< 0.001	0.011
259459	18789	40	0.001	0.040
259460	18790	112	0.003	0.112
259461 Dup	18790	71	0.002	0.071
259462	18791	8	< 0.001	0.008

PROCEDURE CODES: ALP1, ALFA1

Certified By:

Jason Moore, General Manager

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Reference:

Sample #: 142 Rock

Acc#	Client ID	Au ppb	Au oz/t	Au g/t (ppm)
	18792	115	0.003	9/1 (pp///) 0.115
259464	18793	36	0.001	0.036
259465	18794	64	0.002	0.064
259466	18795	95	0.003	0.095
259467	18796	30	<0.001	0.030
259468	18797	17	< 0.001	0.017
259469	18798	9	< 0.001	0.009
259470	18799	80	0.002	0.080
259471	18800	90	0.003	0.090
259472 Dup	18800	94	0.003	0.094
259473	18801	28	< 0.001	0.028
259474	18802	14	< 0.001	0.014
259475	18803	13	< 0.001	0.013
259476	18804	91	0.003	0.091
259477	18805	105	0.003	0.105
259478	18806	12	< 0.001	0.012
259479	18807	53	0.002	0.053
259480	18808	<5	< 0.001	<0.005
259481	18809	<5	< 0.001	< 0.005
259482	18810	<5	< 0.001	< 0.005
259483 Dup	18810	<5	<0.001	< 0.005
259484	18811	<5	< 0.001	< 0.005
259485	18812	5	< 0.001	0.005
259486	18813	9	< 0.001	0.009
259487	18814	9	< 0.001	0.009

PROCEDURE CODES: ALP1, ALFA1

Certified By:

ason Moore, General Manager

The results included on this report relate only to the Items tested. The Certificate of Analysis should not be reproduced except in full, without the written approval of the laboratory.



1046 Gorham Street Thunder Bay, ON Canada P7B 5X5 Tel: (807) 626-1630 Fax: (807) 622-7571 www.accurassay.com assay@accurassay.com

## **Certificate of Analysis**

Tuesday, September 28, 2010

Golden Challice Resources Inc. Suite 711, 675 Hastings, St

Vancouver, BC, CAN

V6B1N2

Ph#: (604) 685-2222

Fax#: (604) 685-3764

Date Received: 09/13/2010 Date Completed: 09/27/2010

Job #: 201043764

Reference:

Sample #: 142 Rock

Acc#	Client ID	Au	Au	Au
	40045	ppb	oz/t	g/t (ppm)
050400	18815	<5	<0.001	<0.005
259489	18816	<5	<0.001	< 0.005
259490	18817	<5	<0.001	<0.005
259491	18818	<5	<0.001	<0.005
259492	18819	5	< 0.001	0.005
259493	18820	6	< 0.001	0.006
259494 Rep	18820	6	< 0.001	0.006
259495	18821	8	< 0.001	0.008
259496	18822	29	< 0.001	0.029
259497	18823	63	0.002	0.063
259498	18824	<5	< 0.001	< 0.005
259499	18825	<5	< 0.001	< 0.005
259500	18826	<5	< 0.001	< 0.005
259501	18827	6	< 0.001	0.006
259502	18828	<5	< 0.001	< 0.005
259503	18829	8	< 0.001	0.008
259504	18830	<5	< 0.001	< 0.005
259505 Dup	18830	6	< 0.001	0.006
259506	18831	5	< 0.001	0.005
259507	18832	8	< 0.001	0.008
259508	18833	5	< 0.001	0.005
259509	18834	198	0.006	0.198
259510	18835	11	< 0.001	0.011
259511	18836	8	< 0.001	0.008
259512	18837	15	<0.001	0.015

PROCEDURE CODES: ALP1, ALFA1

Certified By:

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ason Moore, General Manager



1046 Gorham Street Thunder Bay, ON Canada P78 5X5 Tel: (807) 626 1630 Fax: (807) 622-7571

www.accurassay.com assay@accurassay.com

# **Certificate of Analysis**

Tuesday, September 28, 2010

Golden Challice Resources Inc. Suite 711, 675 Hastings, St Vancouver, BC, CAN

V6B1N2

Ph#: (604) 685-2222

Fax#: (604) 685-3764

Date Received: 09/13/2010 Date Completed: 09/27/2010

Job #: 201043764

Reference:

Sample #: 142 Rock

Acc#	Client ID	Au ppb	Au oz/t	Au g/t (ppm)
	18838	8	< 0.001	0.008
259514	18839	8	< 0.001	0.008
259515	18840	<5	< 0.001	< 0.005
259516 Dup	18840	6	< 0.001	0.006
259517	18841	10	< 0.001	0.010
259518	18842	9	< 0.001	0.009

PROCEDURE CODES: ALP1, ALFA1

Certified By:

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Jason Moore, General Manager

AL903-0379-09/28/2010 8:58 AM

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The rock samples are first entered into Accurassay Laboratories Local Information System (LIMS). The samples are dried, if necessary and then jaw crushed to -8mesh, riffle split, a 250 to 400 gram cut is taken and pulverized to 90%-150 mesh, and then matted to ensure homogeneity. Silica sand is used to clean out the pulverizing dishes between each sample to prevent cross contamination. For soils the sample is dried and screened through -80 mesh. The -80 portion is fired in the assay lab. For humus, it is dried and the entire sample is blended until larger parts are broken down and then sent to fire assay. The homogeneous sample is then fired in the fire assay lab. The sample is mixed with a lead based flux and fused for an appropriate length of time. The fusing process results is a lead button, which is then placed in a cupelling furnace where all of the lead is absorbed by the cupel and a silver bead, which contains any gold, platinum and palladium, is left in the cupel. The cupel is removed from the furnace and allowed to cool. Once the cupel has cooled sufficiently, the silver bead is placed in an appropriately labeled small test tube and digested using a 1:3 ration of nitric acid to hydrochloric acid. The samples are bulked up with 1.0 mls of distilled deionized water and 1.0 mls of 1% digested lanthanum solution. The total volume is 3.0 mls. The samples cool and are vortexed. The contents are allowed to settle. Once the samples have settled they are analyzed for gold, platinum and palladium using atomic absorption spectroscopy. The atomic absorption spectroscopy unit is calibrated for each element using the appropriate ISO 9002 certified standards in an air-acetylene flame. The results for the atomic absorption are checked by the technician and then forwarded to data entry by means of electronic transfer and a certificate is produced. The Laboratory Manager checks the data and validates it if it is error free. The results are then forwarded to the client by fax, email, floppy or zip disk, or by hardcopy in the mail. NOTE: This method may be altered according to the client's demands. All changes in the method will be discussed with the client and approved by the laboratory manager.

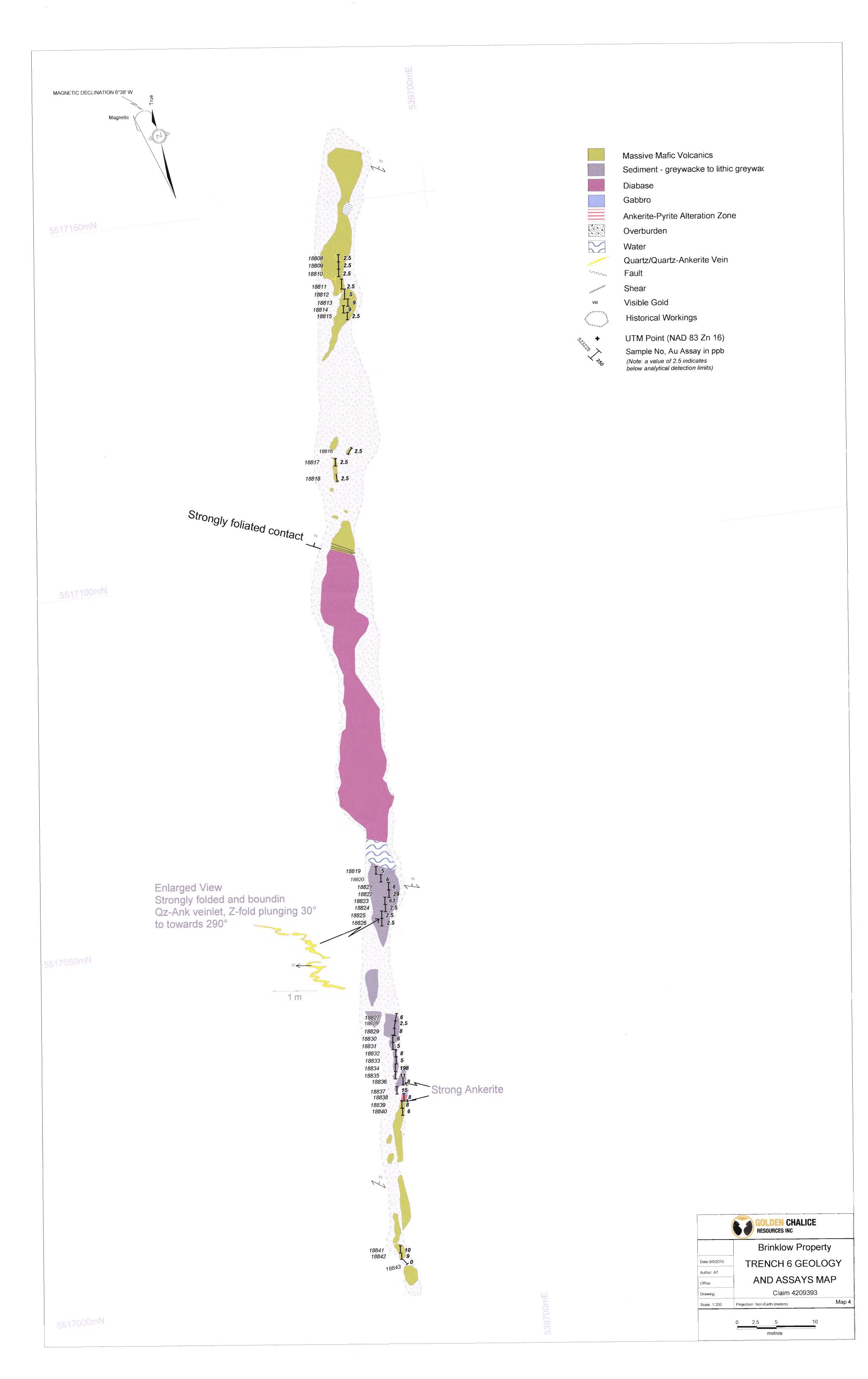
Base metal samples are prepped in the same way as precious metals but are digested using a multi acid digest (HNO<sub>3</sub>, HF, HCl). The samples are bulked up with 2.0 mls of hydrochloric acid and brought to a final volume of 10.0 mls with distilled deionized water. The samples are vortexed and allowed to settle. Once the samples have settled they are analyzed for copper, nickel and cobalt using atomic absorption spectroscopy.

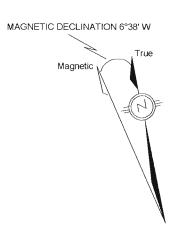
## **Quality Control**

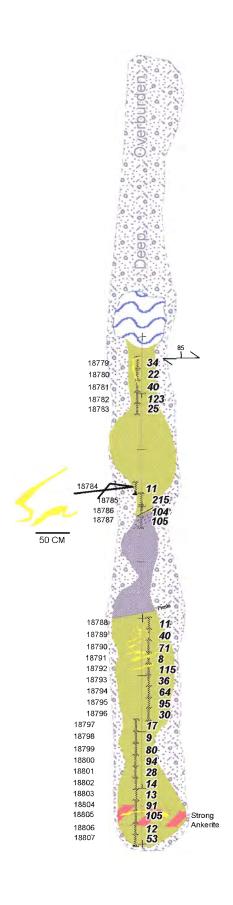
Accurassay Laboratories employs an internal quality control system that tracks certified reference materials and in-house quality assurance standards. Accurassay Laboratories uses a combination of reference materials, including reference materials purchased from CANMET, standards created in-house by the laboratory, and certified calibration standards. Should any of the standards not fall within an acceptable range, reassays will be performed with a new certified

reference material. The number of reassays depends on how far the certified reference material falls outside it's acceptable range.

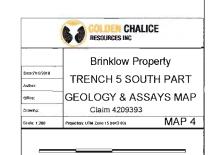
Additionally, Accurassay Laboratories verifies the accuracy of any measuring or dispensing device (i.e scales, dispensers, pipettes, etc.) on a daily basis and are corrected as required.













Pillowed Mafic Volcanics

Massive Mafic Volcanics

Sediment - greywacke to lithic greywac

Diabase

Gabbro

Ankerite-Pyrite Alteration Zone

Overburden

Water

Quartz/Quartz-Ankerite Vein

Fault

Shear

VG

Visible Gold

Historical Workings

UTM Point (NAD 83 Zn 16)

Sample No, Au Assay in ppb (Note: a value of 2.5 indicates below analytical detection limits)

Date Projection, Non-Earlin (Institut)

Date Strict (120)

Date Strict (120)

Brinklow Property

TRENCH 5 NORTH PART

GEOLOGY & ASSAY MAP

Claim 4209393

Ecolic 1200

Projection, Non-Earlin (Institut)

Map

