Matthew T. Zago
Brian Cole P.Geo

2011 Diamond Drilling Work Program
October 19 – October 27, 2011

Licence 7220

Held By

Celtic Tiger Mineral Exploration Ltd.

Colchester Co., Nova Scotia

March 20th, 2011

Dartmouth, N.S.

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1 SUMMARY

This assessment report documents the drill program completed during the 2011 assessment year with respect to exploration licence 7220 held by Celtic Tiger Mineral Exploration Ltd. in the Wentworth area of Nova Scotia.

An NQ diamond drilling program totaling 445 meters in 2 drill holes was carried out between October 19th and 27th, 2010, by J and R Drilling Ltd. of Bedford, Nova Scotia, under the supervision of Lyndon Jensen (Senior Geologist). The drill holes are located close a fault intersection to test for mineralization. A total of 77 samples were sent in to ActLabs of Ancaster Ontario for ICP-MS multi-element analysis.

The very limited drilling summarized in this report has shows existence of anomalous Zn and REEs in the Wentworth Claim.

Further diamond drilling is recommended to further explore the Zn and REE anomalies

2 INTRODUCTION

The recorded holder for all claims is Celtic Tiger Minerals Exploration Ltd., 17 Murdock MacKay Court, Suite 201B Lower Sackville, Nova Scotia, B4C 4G3. Licence 7220 has a cumulative total of 26 contiguous claims and aggregate area coverage of approximately 416 hectares ("ha").

The Wentworth claim block was initially staked by Tripple Uranium Resources Inc. in 2006 based upon multi-metallic mineralization potential discovered by Gulf Minerals Ltd. in the late 1970's and early 1980's. Tripple Uranium Resources Inc had previously completed 4470.1 line-kms of airborne magnetic and radiometric surveys in 2007, a 2200.8 meter (10 hole) diamond drilling program in 2008. Digital compilation was undertaken by Capella Resources Ltd. over the Wentworth claim block in 2010. With an exploration focus on potential for Rare Earth Element (REE) mineralization in the area

This report is on the October 2011 drilling program carried out by Celtic Tiger Mineral Exploration Ltd. The program consisted of two holes totaling 445 meters of NQ-size drill core. The holes were drilled to test a fault intersection for mineralization.

3 GEOLOGY

The geology of the Wentworth property in the Cobequid Hills area consists of metamorphosed sediments, granites, and volcanic deposits which range in age from Precambrian to Devonian that are surrounded by easily eroded low-lying Carboniferous sediments.

The majority of the property is overlain by Middle Devonian to Early Carboniferous Fountain Lake Group emplaced with granite and diorite-gabbro plutons. The Fountain Lake Group includes the Byers Brook Formation overlain by the Diamond Brook formation. This group consists mostly of rhyolite and basaltic volcanic rocks with minor tuffaceous clastic rocks.

The Late Carboniferous Cumberland Group is found in the northern portion of the property. The group represents deposition in fluvial, alluvial plain, lacustrine, estuarine, and shoreline environments with restricted marine influence, such as a marine gulf setting (Way, 1968; Duff and Walton, 1973; Kaplan and Donahoe, 1980; Calder, 1984; Rust et al., 1984; Browne and Plint, 1994; Archer et al., 1995; Gibling, 1995; Calder, 1998; Davies and Gibling, 2003).

4 PROPERTY DESCRIPTION AND LOCATION

The property is located in Cumberland and Colchester Counties, in northern Nova Scotia approximately 49 km northwest of Truro (Figure 1) consists of one mineral licence and 26 claims (Figure 2). Status of licences in the Wentworth Area is shown in Table 1. Access is afforded by Provincial Secondary Route 4 and highway 246 along with secondary roads, bush trails and logging roads provide easy access to all parts of the property.

The area has contrasting topography being part of the Cobequid Highlands and the Cumberland Pictou Lowlands. The Cobequid Hills were formed by fault movement during the Carboniferous. The crest of the Cobequid Hills is relatively even and undissected with an elevation on average of 275 m except for areas that has been deeply incised by Totten Brook, Swan Brook and East Swan Brook. The Carboniferous Lowlands has an elevation on average of 40 m a.s.l. and consists of gentle hills with sporadic marsh land.

At the base of the northern slopes of the Cobequid Hills vegetation support a mixed forest of hardwoods and red spruce, fir and hemlock, in which softwoods originally predominated. As one ascends the slopes the forest becomes prevailingly of the hardwood type.

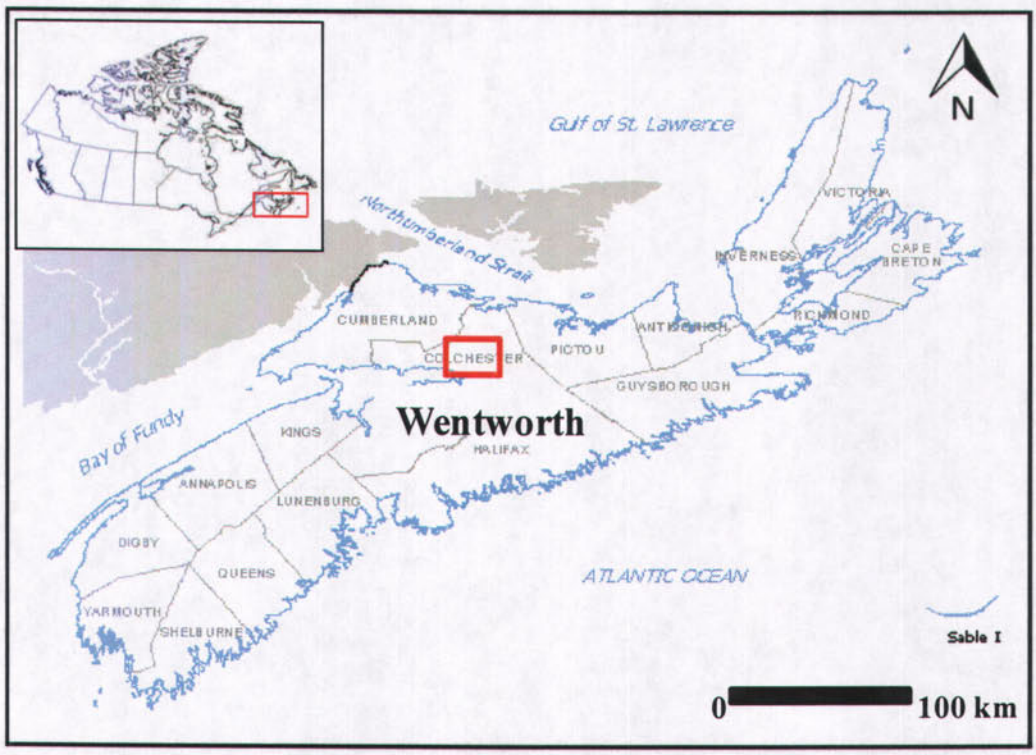
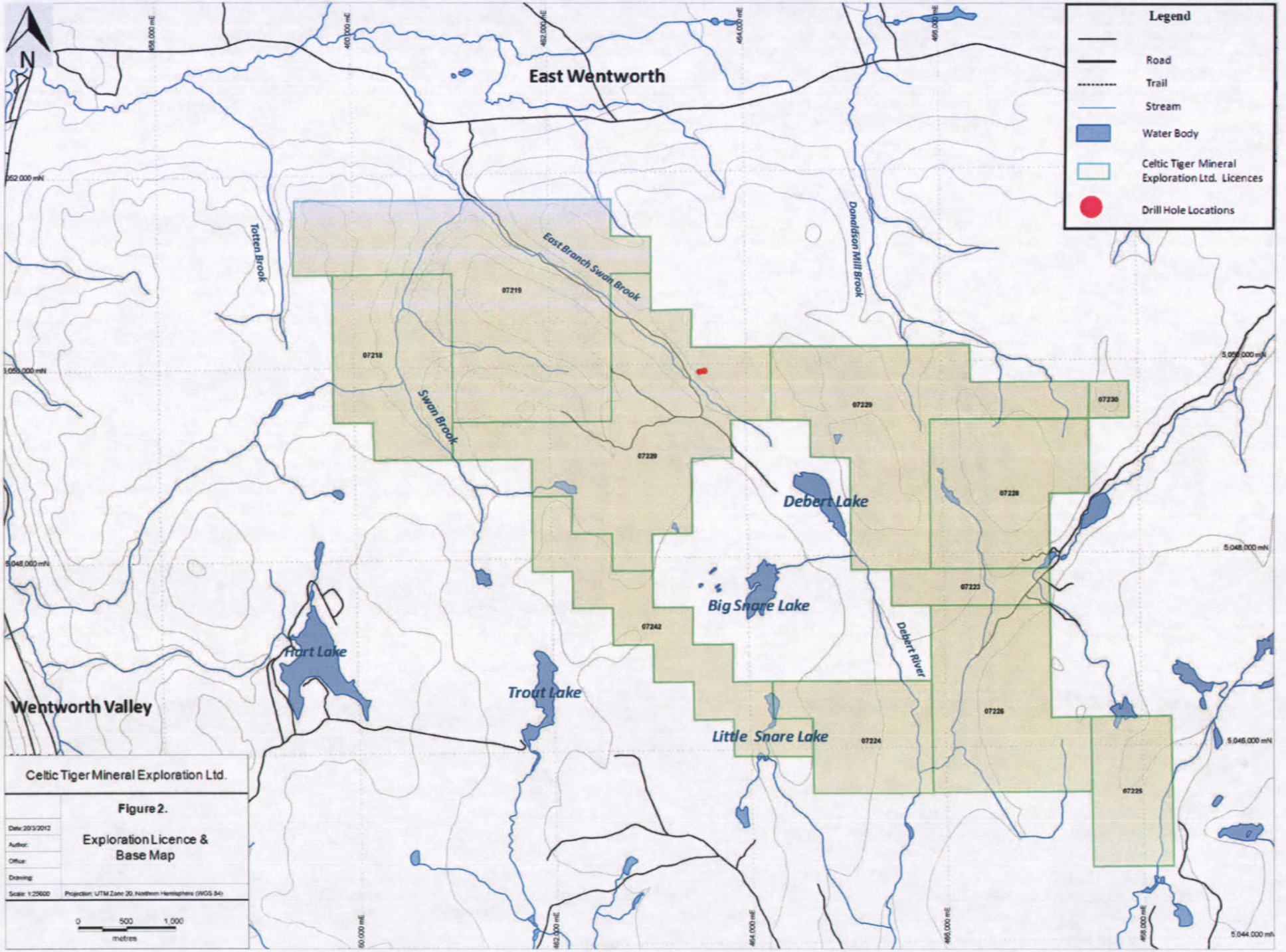
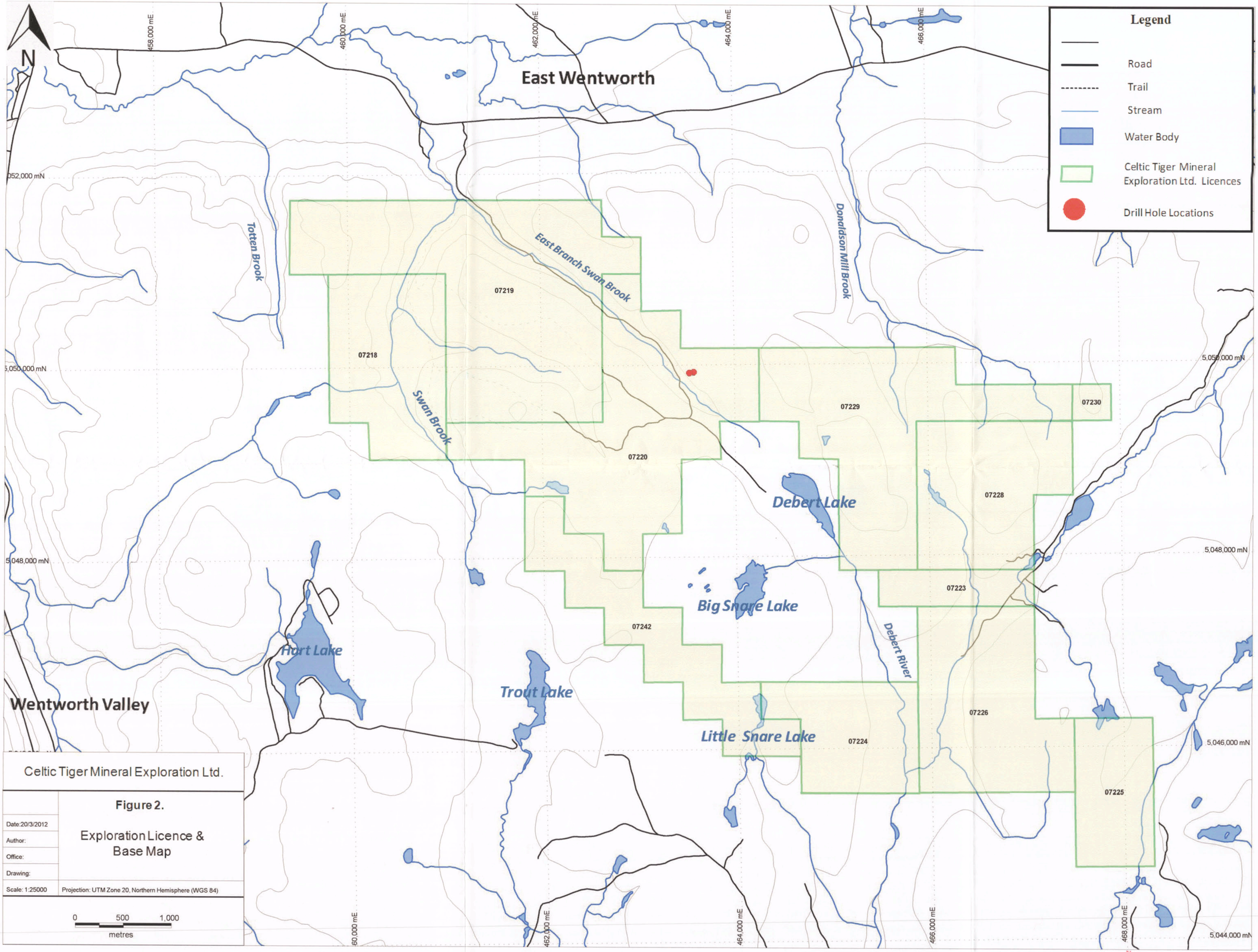


Figure 1: Property Location Map


Legend
Road
Trail
Stream
Water Body
Celtic Tiger Mineral Exploration Ltd. Licences
Drill Hole Locations
N
East Wentworth
Wentworth Valley
Totten Brook
East Branch Swan Brook
Donaldson Mill Brook
Swan Brook
Debert Lake
Big Snare Lake
Debert River
Hart Lake
Trout Lake
Little Snare Lake
07219
07218
07229
07230
07228
07223
07242
07226
07224
07225
5,052,000 mN
5,050,000 mN
5,048,000 mN
5,046,000 mN
5,044,000 mN
458,000 mE
460,000 mE
462,000 mE
464,000 mE
466,000 mE
468,000 mE
Celtic Tiger Mineral Exploration Ltd.
Figure 2.
Exploration Licence & Base Map
Date: 20/3/2012
Author:
Office:
Drawing:
Scale: 1:25000
Projection: UTM Zone 20, Northern Hemisphere (WGS 84)
0
500
1,000
metres



Celtic Tiger Mineral Exploration Ltd.

Figure 2.

Exploration Licence & Base Map

Date:20/3/2012	
Author:	
Office:	
Drawing:	
Scale: 1:25000	Projection: UTM Zone 20, Northern Hemisphere (WGS 84)

0 500 1,000
metres

5 LICENCE TABULATION

The exploration licence covered by this report is summarized below:

Table 1. Summarized Licence Tabulation

Licence Number	Licence Date	Tract	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	# of Claims	NTS Map Sheet
7220	22/03/2012	83				X	X	X					X	X	X	X	X		8	11E/11B
		84								X	X	X			X	X	X	X	7	11E/11B
		86	X	X	X	X	X	X	X	X			X	X	X				11	11E/11B
Total																			26	

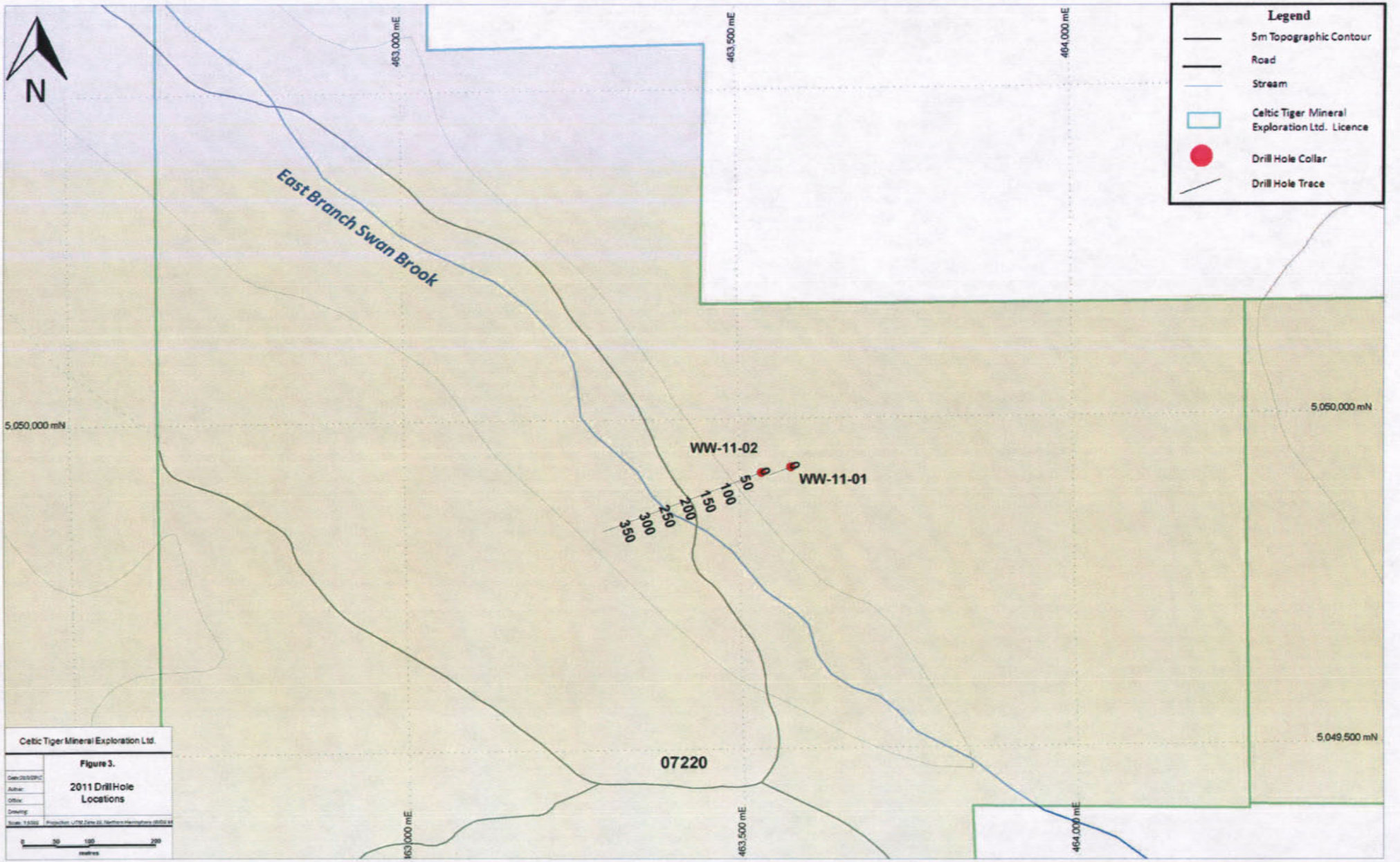
6 WORK PERFORMED

An NQ diamond drilling program totaling 445 meters in 2 drill holes was carried out between October 19th and 27th, 2011, (Figures 2and 3), by J and R Drilling Ltd. of Bedford, Nova Scotia, under the supervision of Lyndon Jensen (Senior Geologist). The drill holes are located close a fault intersection to test for mineralization. The first hole was lost at a depth of 50m in blocky ground. The second hole was moved approximately 50m forward along section and re-collared. This hole was drilled to a depth of 395m. Specifics of the diamond drill holes are outlined in Table 2.

Table 2. Drill Hole Technical Data

Hole ID	UTM_E	UTM_N	Elevation	UTM Zone	Azimuth	Dip	Final Depth	Core Size
WW-11-01	463,578	5,049,926	281 m	20	250	-45	50 m	NQ
WW-11-02	463,534	5,049,918	269 m	20	250	-50	395 m	NQ

Core was stored in a secured building a few km from the drill where it was also logged by the drill geologist. 77 rock samples were taken from the two drill holes, split using a diamond blade core saw and sent for geochemical assay in order to understand better the geochemical and geological setting. All samples were shipped to the ALS Laboratory in Val D' Or, Quebec for chemical analysis and assayed for a multi-element package "Code ME-MS61 48 element four acid ICP-MS" and Fire Assay "Code AU-AA24" . Assay results and sample handling procedures are provided on Appendices III and IV respectively. All holes were cemented and casing pulled. Specifics pertaining to persons and contractors involved in the 2011 work program are outlined below in Table 3.


N
463,000 mE
463,500 mE
464,000 mE
5,050,000 mN
5,049,500 mN
East Branch Swan Brook
WW-11-02
WW-11-01
0
50
100
150
200
250
300
350
07220
Legend
5m Topographic Contour
Road
Stream
Celtic Tiger Mineral Exploration Ltd. Licence
Drill Hole Collar
Drill Hole Trace
Celtic Tiger Mineral Exploration Ltd.
Figure 3.
2011 Drill Hole Locations

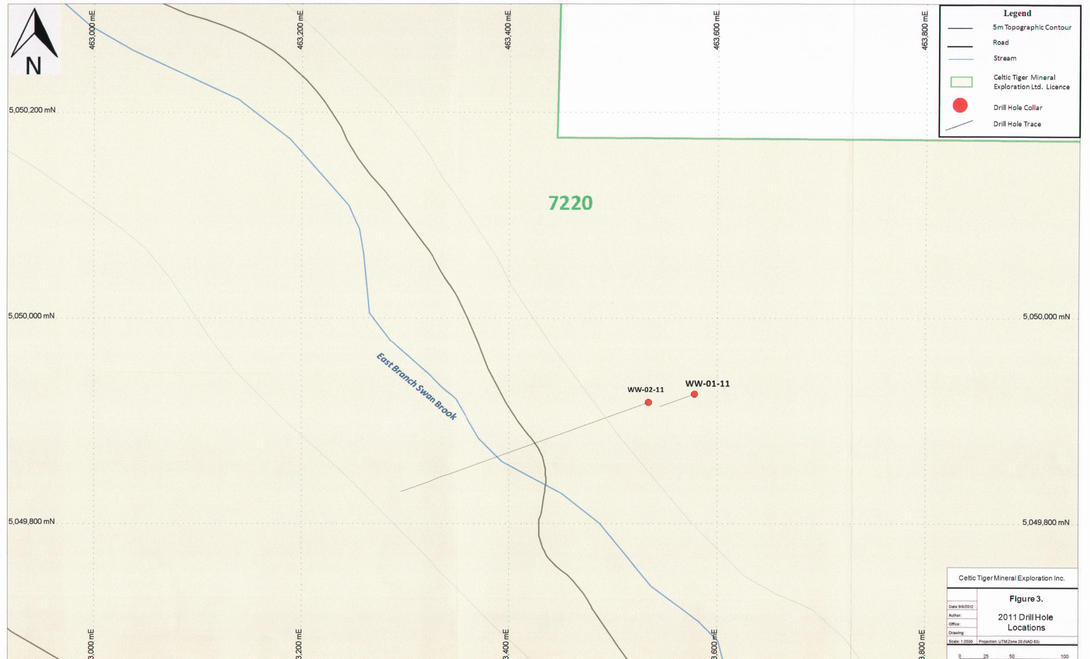

N
463,000 mE
463,200 mE
463,400 mE
463,600 mE
463,800 mE
5,050,200 mN
5,050,000 mN
5,049,800 mN
Legend
5m Topographic Contour
Road
Stream
Celtic Tiger Mineral Exploration Ltd. Licence
Drill Hole Collar
Drill Hole Trace
7220
East Branch Swan Brook
WW-02-11
WW-01-11
Celtic Tiger Mineral Exploration Inc.
Figure 3.
2011 Drill Hole Locations
Date 9/6/2012
Author
Office
Drawing
Scale: 1:2000
Projection: UTM Zone 20 (NAD 83)
0
25
50
100
Metres

Table 3. Personnel and Contractors Utilized – Drilling Activity

Name	*Address*	*Involvement*	*Dates*	*# of days*
Matthew Zago	Thunder Bay, Ontario	Geologist: Report Preparation	March, 2011	5
Lyndon Jenson	New Minas, Nova Scotia	Geologist: Spotting Drill & Core Logging	October, 2011	12
Curran Jenson	New Minas, Nova Scotia	Geotechnical	October, 2011	12
Matt Goodwin	Tusket, Nova Scotia	Site Preparation, Core Splitting	October, 2011	18
Mike Doucette	Tusket, Nova Scotia	Site Preparation, Core Splitting	October, 2011	18

7 RESULTS

The first drill hole, which was lost at a depth of 50m in blocky ground, intersected an approximately 28m thick volcanic package consisting of volcanic tuff, rhyolite and basalt. The hole was lost in faulted granite porphyry. Minor disseminated pyrite was encountered throughout, however no anomalous values were found in assay.

The second hole was moved approximately 50m forward along section and re-collared. A series of mafic basalt flows and tuffs were intersected with lesser intercalated range-red felsic volcanics. Throughout diabase dykes crosscut the units. Pyrite content ranged from trace to up to 1% disseminated and appears primary in origin. The fault zone was successfully penetrated in the upper portion of the hole, but the rock was blocky, unaltered, and weakly mineralized. Anomalous zinc values were found in 3 samples, all in volcanic tuffs. Also a small zone of elevated REEs was observed in the rhyolite from 149-151m.

Rock Sample Highlights:

Sample 542: Brick red rhyolite, autobrecciated fractures, abundant Mag, 1015.2 ppm TREE
Sample 543: Massive rhyolite, Mag rich, 1065.2 ppm TREE
Sample 567: Felsic tuff very silicified, fine Py, fracturing, and trace Mag, 1920 ppm Zn
Sample 574: Felsic tuff, ignimbrite calc along Py vein, fine disseminated Py, 4740ppm Zn
Sample 577: Altered felsic tuff, minor fine Py in rock rimmed with Mag, 1980ppm Zn

8 CONCLUSIONS AND RECOMMENDATIONS

8.1 Conclusions

The very limited drilling summarized in this report has shows existence of anomalous Zn and REEs in the Wentworth Claim. The altered mafic flows, tuffs and rhyolites suggest a proximity to a source of hydrothermal fluid, likely associated within an active volcanic environment. The bi-modal volcanic environment paired with the different styles of alteration (silicification, hematization) give evidence for an environment suitable for the presence of metallic mineralization.

8.2 Recommendations

Additional development is needed to properly define targets for a limited drill program. The following recommendations are suggested:

(1) All historic drill holes in the area should be compiled digitally so they can be projected and displayed in 3D.

(2) Review airborne geophysical data to determine if quality and coverage if appropriate for modeling. Modeling would give incite in the structural setting of the Wentworth area.

9 STATEMENT OF QUALIFICATIONS

I, Matthew T. Zago do hereby certify that:

1) I reside at 1430 Goods Road, Thunder Bay ON

2) I graduated from the University of Manitoba with a B.Sc.(Hons) in Geology and have worked as an exploration geologist and a geological consultant since 2011.

3) This report is based on personal examination by the author of core logs and on analytical results from Val D' Or, Quebec.

4) I have no direct interest in the exploration licences reported hereunder.

March 20, 2012

Matthew T. Zago

Consulting Geologist

I, Brian L Cole, certify that:

1) I am a professional geoscientist and I have a business address at 3979 Victoria Ave, Vineland, Ontario, L0R 2C0, Canada.

2) I graduated with a HBSc in Geology in 1978 and have been actively involved in multi-commodity mineral exploration for over 34 years. I am licenced to practice geoscience in Nova Scotia, Ontario, and Newfoundland and Labrador.

3) I have visited the property which is the discussed within this report.

4) I have no interest, direct or indirect, in either the property or the owner of this property.

March 20, 2012

THE ASSOCIATION OF PROFESSIONAL GEOSCIENTISTS OF NOVA SCOTIA est. 1997 0155

Brian L. Cole

P.Geo

Respectfully submitted,

Matthew T. Zago

March 22, 2012

Brian L. Cole

March 22, 2012

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APPENDIX I: EXPENDITURES

DRILL PROGRAM

DRILLING EXPENDITURES - WENTWORTH PROPERTY		
Licence Number		7220
Number of Claims		26
Diamond Drilling		51,991
Geologist Consulting		26,267
Geologist Travel Expenses		8,622
Land Access Fees		2,300
Assays		3,200
Site Crew -Site Preps - Line cutting		18,487
Total Deferred Exploration Costs		$ 110,866

APPENDIX II: WENTWORTH DRILLING

DRILL LOG DATA SHEETS

DIAMOND DRILL LOG.					HOLE ID WW-11-01		
OWNER	Celtic Tiger Mineral Exploration Inc.	LOCATION	UTM Zone 20	DEPTH	50m	START	10/19/2011
PROPERTY	Wentworth	EASTING	463578	AZ.	250	FINISH	10/20/2011
LOCATION	Colchester County, Nova Scotia	NORTHING	5049926	DIP	45	DRILLED BY	J&R Drilling Ltd.
HOLE IDENTITY	WW-11-01	ELEVATION	281m	CORE SIZE	NQ	LOGGED BY	Lyndon Jenson
		LICENCE	7220			LOG DATE	10/20/2011
		NTS SHEET	11E/11B				

Samples and assay results; all element values in ppm unless otherwise specified

* TREE (Y+Nb+La+Sc+Ce)

From	To	Description	Sample	From	To	Length	Au	Ag	Zn	TREE
0	7.6	Overburden								
7.6	10.2	Tuffaceous mudstone, whisps of silt sized beds. 1 cm by 0.5 cm nodules with magnetite. Small 2 cm zone with heavy magnetite subparallel to bedding. Faulting ca 70°, 80° with slickensides.	512	9.1	10.1	1	<0.005	0.12	141	194.6
10.2	10.28	0.25 cm qtz vein with epi on margin ca 75° hem staining								
10.28	10.53	Small fault zone 2 cm limonite staining along fault zone								
11	11.05	2 cm epi rich alt along a zone of 10 cm breccia zone ca 45°. qtz veining 1 cm. broken up								
11.05	11.56	Few vlts of calc hairline								
11.56	11.6	Shear zone epi along it ca 48°. magnetite veining along shear zone								
11.6	12.1	Very silicified. Massive fine bedding ca 55°								
12.1	14	Highly broken up. Epi scattered every 5 to 10 cm. epi is whispy ca 50°. Cut by irregular calcite veining with blebs of magnetite. Autobrecciation epi along it. Some kaolinite								
14	17	Vessicular basalt orange stained, silica alt. qtz grains 1 mm fract ca 40°, 80° IOD kaolinite along 40° direction. highly broken up. 1 m of core loss. 16.5 - 16.8 m								
17	19	Fault breccia epi and clay alt filling breccia fragments.	513	17	18	1	<0.005	0.12	141	194.6

From	To	Description	Sample	From	To	Length	Au	Ag	Zn	TREE
19	20	Porphyry rhyolite. 2 mm phenocrysts. Rock is buff to orange coloured. Cut by 2 mm qtz veining ca 80° non magnetic. Fract 2 directions ca 68°, 35°								
20	20.2	Dark grey to black highly silicified rhyolite. Dissem py 1% highly broken up every 5 cm subparallel to core or 70° ca.	514	20	21	1	<0.005	0.47	220	320
20.2	21.63	Grey rhyolite dissem py 1% well crystalized. Py patches of 10 cm								
21.63	21.89	Buff coloured rhyolite slightly tuffaceous some patches of silica alt grey chert ca 45° 1 cm size								
21.89	23	Orange porphyry rhyolite, stockwork of light grey chert veins 0.5 cm - 1 cm ca 75° cut by epi vlts hairline ca 45°. Rhyolite has very fine sulphides 0.5%	515	22	23	1	<0.005	0.34	47	244.5
23	24	Fine sulphides present	516	23	24	1	<0.005	0.4	56	340
24	25	Highly broken up 4 - 5 cm ca 65°, 30° epi along fract manganese. Hairline stockwork of epi								
25	25.52	Orange coloured porphyry rhyolite. Trace sulphides. A lot of stockwork of kaolinite ca 10°, 70° some patches of grey chert								
25.52	26	Basalt, fine grained, grey in colour. Minor calc vlts, minor chl alt								
26	27	Patches 10 cm of blebs of silvery py 2 mm size. Magnetite in mafic rocks. Heavy magnetite	517	26.4	27.4	1	<0.005	0.07	375	214.7
27.73	28.3	Breccia zone. Autobrecciated rhyolite, orange coloured. Clay alt	518	27.4	28.4	1	<0.005	0.1	221	251.4
28.3	29	Granite porphyry, red-orange in colour, generally a massive texture. Fractures ca 45°, 50°								
29	29.2	Trace Py, fractures ca 15°, 70°								
29.2	29.6	Silica alt of feldspars. Light grey chert in patches 0.5 cm								
29.6	31	Last 30 cm has fine specks 1% of hematized Py								
31	32.5	Core highly broken up.Fractures ca 40°, 60°, trace epi along fracture core grounds	518B	31	32	1	<0.005	0.14	202	272.6
32.5	32.75	Diabase dyke. Heavy magnetite dk grey to black								

From	To	Description	Sample	From	To	Length	Au	Ag	Zn	TREE
33.1	34.76	Rhyolite tuff. Medium grey to black in colour, rounded nodules of silica 1 cm by 0.5 cm lighter grey silica alt, bottom contact kaolinite with trace hem staining								
34.76	35	Highly broken up fract ca 45°, 10°, 70° kaolinite along fract ca 45°								
35	38	Med grey veins 1 cm ca 85° silica with magnetite. Core highly broken up.								
38	40	Very fine grained, orange porphyry granite	518C	38	39	1	<0.005	0.17	125	266.5
40	40.5	Irregular phenocrysts 2 - 3 mm light grey kaolinization.								
41.2	43.7	Mafic dyke. 5 cm chill margin phenocrysts up to 2 mm magnetite calc vlts ca 70°. In center there is a zone of 2 cm of clay and epi alt ca 50°								
43.7	47.6	Orange coloured granite porphyry								
47.6	48	Broken up autobrecciated kaolinite alt along fragments.								
48	48.5	Massive orange porph granite phenocrysts 15% 1 - 2 mm partially rounded with light gy clay alt 0.5% black specks pf alt Py								
48.5	50	Kaolinite along fract ca 50° no magnetite.								
		EOH: 50m								

DIAMOND DRILL LOG.							
OWNER	Celtic Tiger Mineral Exploration Inc.	LOCATION	UTM Zone 20	DEPTH	395m	START	10/21/2011
PROPERTY	Wentworth	EASTING	463534	AZ.	250	FINISH	10/27/2011
LOCATION	Colchester County, Nova Scotia	NORTHING	5049918	DIP	45	DRILLED BY	J&R Drilling Ltd
HOLE IDENTITY	WW-11-02	ELEVATION	269m	CORE SIZE	NQ	LOGGED BY	Lyndon Jenson
		LICENCE	7220			LOG DATE	10/27/2011
		NTS SHEET	11E/11B				
			Samples and assay results; all element values in ppm unless otherwise specified				
			* TREE (Y+Nb+La+Sc+Ce)				

From	To	Description	Sample	From	To	Length (m)	Au	Ag	Zn	TREE
0	4.5	Overburden								
4.5	5	Diabase dyke. Fine grain, massive. Magnetite fractures ca 60°, 70°								
5	6	Silicified intrusive, fine grain, massive . Has one area with spherolite 2 cm patch highly broken up hairline epi ca 45°								
6	6.2	Diabase dyke. Fine grain, abund magnetite cut by calc vlts ca 60°, 45° IOD 2 mm calc v 1 cm infills breccia 2 cm								
6.2	9	Granitic porphyry, phenocrysts 2 mm average 25% fract ca 10° 1 m core loss, sericite alt.								
9	9.33	Diabase dyke. Magnetite v f gr massive contact ca 85°								
9.33	9.91	Rhyolite, 90% spherolite, orange colour nodules 1 cm gy nodules of chert 0.5% spherolites get smaller at bottom	519	9.35	10.35	1	<0.005	0.21	260	398.6
9.91	10.54	Mafic tuff, interbedded, massive brownish grey in colour, hairline fract of calc ca 45°, 25° has minor magnetite. Minor epi vlts.								
10.54	10.8	Diabase dyke. Contact ca 74° sharp. Calc vlt 2 mm clay alt faulted contact. No chill margin in dyke or granite								
10.8	14	Granite porphyry, highly broken up. Fract ca 25°, 80° at EOI last 10 cm is core grounds								
14	14.5	Broken up 10 cm pieces in this area 1% black specks unknown mineral very fine. Abundant fract ca 30° manganese scattered along fract								

From	To	Description	Sample	From	To	Length (m)	Au	Ag	Zn	TREE
14.5	15.5	Core grounds. Patches of epi 0.5 cm chl around them. Feldspars are very orange								
15.5	16.5	Highly broken up some kaolinite along fract ca 5°, 20° stockwork epi								
16.5	17	Autobrecciation. Kaolinite along fract. Fract ca 45°, 30°								
17	17.5	Core grounds frags are 1 cm size								
17.5	23	Core grounds 5% epi alt of feldspars small amount of silica alt cherty dk chl trace py								
23	24	Last 10 cm breccia heavy epi and kaolinte. Fine py <0.5%								
24	25.8	Core grounds pieces 3 cm2 size due to fract subparallel to core, orange epi and kaolinite								
25.8	26	Abundant spherolite orange red colour 0.5 - 1 mm specks of py small 0.5% epi patches								
26	26.8	Silicified intrusive, groundmass finer grained could be considered porph rhyolite								
26.8	27	10 cm areas of spherolite fract every 10 cm ca 60° kaolinite along them. Manganese								
27	27.6	Chert alt light grey phenocrysts quite rounded with rims of brownish red. Core grounds spacing of 25 cm. zone of 10 cm of core grounds								
27.6	30.1	Abundant epi hairline vlts ca 25° same ca 70° broken up								
30.1	32.43	Diabase dyke. V f gr 5% dk chloritic grains. Range from 1 - 2 mm in size. Abund magnetite serecite calc veining								
32.43	35.2	Porphyry rhyolite, patches of grey chert. some epi. small								
35.2	40.5	Core grounds								
40.5	40.8	Autobrecciation kaolinite epi hairline vlts fract ca 15°, 10° IOD also 70°								
40.8	43.5	Last 20 cm autobrecciation epi core grounds patches of grey chert alt								
43.5	44	Massive. Small patches of silica alt. some chl								

From	To	Description	Sample	From	To	Length (m)	Au	Ag	Zn	TREE
44	45	Autobrecciated and brecciated. Fract ca 45° real breccia grey to buff matrix. Trace breccia is 0.5 cm. at EOI rock contains magnetite	520	44	45	1	<0.005	0.08	37	190.4
45	45.1	Granite porphyry, has stockwork of hairline epi vlts and some qtz. Qtz is younger. Hairline epi vlts. Stockwork ca 10° to bedding and ca 50°. Few shear zones at base of interval 0.5 cm ca 60° epi and qtz. Some patches of grey chert alt <0.25 cm small patches of chlorite and magnetite								
45.1	46.1	Diabase dyke massive brownish grey cut by rare epi veining ca 60°. at EOI 3 cm fault zone. Epi veining autobrecciation ca 60° magnetite								
46.1	47.2	Granite porphyry, very fine grained, silicic. Abund patches of light grey silica alt epi vlts ca 15°, 70° some light grey fault breccia irreg 0.25 cm f gr gy sugary matrix fine rare specks of sulphide grey. At EOI zone of 15 cm up to 1 cm grey cherty patches of alt feldspar vein 2 mm cutting core at 85°								
47.2	47.71	Patches of 1 cm of grey silica and magnetite very silicified. Fine grain								
47.71	47.75	Diabase dyke. On upper margin 0.5 cm fault breccia sugary textured grey matrix ca 50° some assorted calcite veining								
47.75	48.59	Orange red in colour, intense stockwork of hairline epi qtz and calc most of hairline epi is ca 10° autobrecciated								
48.59	58.43	Diabase dyke. Ca of contact 60° last 15 cm soft clay alt abund shearing and heavy epi and silica vlts stockwork. At 51.35 m 0.25 cm calc v ca 70°. At 52.38 m qtz and calc v ca 50°. Brittle fracturing. 56.1 to 56.5 m epi veining stockwork cut by 0.5 cm calc v ca 90° calcite is younger than epi. 57.68 to 57.71 m vein of qtz and calc ca 70° 2.5 cm thick breccia fracgment emplaced among shear zone. few blebs of chlorite no sulphides lower contact of mafic dyke ca 63°								

From	To	Description	Sample	From	To	Length (m)	Au	Ag	Zn	TREE
58.43	59.68	orange granite porphyry autobrecciated sericite and chl alt small patches 2 mm size. Patches of grey silica and magnetite								
59.68	60.61	Feld rich qtz phenocrysts 1 mm stockwork qtz vlts have sulphide arsenopyrite	521	60	61	1	<0.005	0.06	27	232.1
60.61	60.71	qtz vein autobrecciated cherty fine magnetite ca 80°								
60.71	60.9	feld rich								
60.9	61.05	Mafic dyke v f gr massive. Abund magnetite copper staining on fract ca 65°								
61.05	61.1	8 cm light gy cherty qtz vein highly brecciated clac fine magnetite	522	61	62	1	<0.005	0.07	38	237.5
61.1	61.59	Fine grained, feldspar rich patches of silica alt with fine magnetite 2 cm by 1 cm. few specks of fine sulphide very rare. Stockwork hairline vlts of epi. Alot of fract ca 80° 1 cm mafic vein with abund magnetite ca 60°								
61.59	62.2	silicified,sericite, specks of dk sulphide								
62.2	62.62	Last 10 cm brecciated epi qtz trace arsenopyrite	523	62	63	1	0.023	0.11	41	244.9
62.62	63	Fine magnetite								
63	64	Feld rich	524	63	64	1	<0.005	0.12	50	278.7
64	65.2	Core grounds patches of 1 cm of gy silica and magnetite	526	64	65	1	<0.005	0.14	64	246.7
65.2	65.4	zone of heavy qtz vlts stockwork ca 60° fine breccia v 0.25 cm ca 70° light grey calc molybdenum in calcite	527	65	66	1	<0.005	0.11	39	231.1
65.4	66	Hairline f gr breccia veins 2 mm thick stockwork ca 65°, 50° IOD								
66	67.15	Last 15 cm autobrecciated ca 60° of brecciation kaolinite								
67.2	67.52	Few zones of grey silica alt and epi								
67.52	67.64	fault zone grey silica cherty qtz cut by epi and kaolinite vlts ca 60° 10 cm thick	528	67.5	68.5	1	<0.005	0.04	62	253.5
67.64	68	core grounds								

From	To	Description	Sample	From	To	Length (m)	Au	Ag	Zn	TREE
68	68.4	fault breccia epi kaolinite shearing ca 35° cut by feld								
68.4	69.5	massive texture, patches of gy silica cherty alt								
69.5	71	massive texture,fract patches of silica grey cherty alt								
71	71.8	zone of silica alt with mag. Ca 50° irreg								
71.8	72.4	fault gouge green grey clay copper staining 2 cm	529	71.5	72.5	1	<0.005	0.03	49	245.4
72.4	73.3	Autobrecciation and breccia calc veining infill of breccia ca 10°								
73.3	73.6	Zone of breccia over 2 cm ca 60°								
73.6	74	Core grounds. Fine magnetite								
74	74.5	Small zones 1 cm each of breccia with epi infilling ca 40° core grounds								
74.5	77	Highly broken up core grounds. Patches of magnetite 0.5 cm by 1 cm with galena in middle. Fine dissem py	530	74.5	75.5	1	<0.005	0.05	34	245.6
77	77.8	Patches of blue chert patches 0.25 cm irreg. trace py. Py is within chert with fine magnetite								
77.8	78.5	Fract breccia zone ca 70° 0.5 cm epi alt								
78.5	79	Stockwork of hairline vlts of epi ca 30°. Silica alt. cherty. Last 10 cm fault zone 10 cm thick heavy epi alt fault striking 50° ca. kaolinite along it.								
79	80.55	Highly fract patches of mag. Core grounds								
80.55	81.17	Magnetite and silica ca 45°.								
81.17	83.55	Diabase dyke. Calc vlts massive. Epi patches. Top quarter has magnetite, Faulted. Chl. Epi. Calc veining. Silica veins								
83.55	83.74	Very silicified. Cut by chl and magnetite veining ca 70°	531	83.5	84.5	1	<0.005	0.16	199	215.2
83.74	84	Diabase dyke. Abund mag. Highly broken up								
84	84.5	Orange in colour, silicified, cut by stockwork of epi and qtz vlts hairline specks of moly autobrecciated								
84.5	86	Exceptionally fault gouge. Abund calc and kaolinite. Major fault zone.								

From	To	Description	Sample	From	To	Length (m)	Au	Ag	Zn	TREE
86	87	Highly brecciated quite silicified 2 cm mag vein ca 60°								
87	89.15	1 cm breccia zone ca 50° lighter grey calcite filling matrix core grounds last 30 cm								
89.15	90.1	Patches of 10 cm of granitic vein silcified feld crystals 1 - 2 mm surrounded by epi spherolitic texture	532	89	90	1	<0.005	0.01	63	266.4
90.1	90.87	spherolitic texture med grained, Epi	533	90	91	1	<0.005	0.03	47	293.5
90.87	91.3	Core grounds								
91.3	92	Diabase dyke f gr. abund magnetite								
92	92.8	f g stockwork of hairline epi kaolinite fault breccia								
92.8	93	fault breccia								
93	93.84	Acidic tuff. Epi alt at bottom. Grades into a mafic tuff. Bedding ca 60°								
93.84	94.58	Well laminated mafic tuff. Frags of 2 cm at top. Bottom part is massive. Bedding ca 75°. No mag								
94.58	99	Brownish to buff coloured rhyolitic tuff. Autobrecciated places. Filled in with calc ca 65° fine py 1%								
99	101	Porph rhyolite phenocrysts 1 - 2 mm size. Fine py								
101	101.76	Diabase dyke. Silica alt at top. Magnetite 10 cm zone of epi								
101.76	102.56	Porph rhyolite orange colour. Grey breccia irreg 0.5 cm. silica. Trace moly. Fine py								
102.56	104	More brecciated and silicified, fract 1 cm ca 70° calc and qtz as matrix. Some grey clay alt expanding type? Epi along hl fract 10° - 15° ca								
104	104.05	Darker grey. 1 cm breccia f gr matrix ca 75°								
104.05	104.33	Brecciated with calc filling vugs. Trace py								
104.33	105	Massive brownish rhyolite. Patches of epi and chl. Trace fine py								
105	106.46	1% py	535	105.4	106.4	1	0.005	0.97	677	530.8

From	To	Description	Sample	From	To	Length (m)	Au	Ag	Zn	TREE
106.46	107.3	Silicified rhyolite epi along fract ca 80° dissem py dark chl patches. Not magnetic								
107.3	109.5	Massive greyish brown porph rhyolite very siliceous 1-2%	536	108	109	1	0.005	0.42	341	571
109.5	111.05	Patches of py up to 1 by 0.5 cm	537	109	110	1	<0.005	0.46	363	577.1
111.05	111.8	Grey coloured epi patches less sulphides bottom part is silicified. Contact with mafic dyke ca 80°	538	110	111	1	0.007	0.49	447	609.8
111.8	117.5	Diabase dyke. F gr massive, magnetite. Calc vlts 2 - 3 mm. few patches of epi near end of interval. fault zone 10 cm								
117.5	118.6	Orange flow banded rhyolite. Ca of bedding averages 60°. A lot of epi alt. no magnetite. Top 10 cm may be mylonite								
118.6	120	Orange flow banded rhyolite. Autobrecciated to 119.67 m especially near bottom. 80% epi. real breccia to 120 m	538B	119	120	1	<0.005	0.05	728	373.6
120	120.5	Epi stockwork brittle fract								
120.5	121.6	Massive rhyolite red-orange								
121.6	121.82	Fault zone. 90% epi. Trace moly								
121.82	123.57	Flow banded rhyolite pale orange and red. Few 10 cm areas of bluish colour banding ca 45°. Trace py abund stockwork of epi								
123.57	125.6	Diabase dyke, fine grain, cuts ca 60°. Magnetite, Shearing with epi. Calc veining along shears ca 50°								
125.6	126	Rhyolite breccia. Epi and silica								
126	131.6	Diabase dyke, massive. Few small chloritic blebs 2 mm. 0.25 cm patches of epi. Magnetite through it								
131.6	131.8	Rhyolite orange coloured. Highly broken up. Epi								
131.8	134.3	Diabase dyke. Epi in middle. Hairline vlts ca 45°. Magnetite								
134.3	134.53	Porph rhyolite reddish								
134.53	136.07	Brick red massive rhyolite stockwork of epi hairline ca 70°, 60° IOD. mafic dyke contact ca 68°								
136.07	138.62	Diabase dyke. Coarser in middle. V f gr contact phase								

From	To	Description	Sample	From	To	Length (m)	Au	Ag	Zn	TREE
138.62	140.6	Brick red rhyolite massive gradational contact between	539	139	140	1	<0.005	0.15	230	416.9
140.6	141.6	Diabase dyke								
141.6	142.1	Red rhyolite gradational contact. Massive								
142.1	142.26	Black rhyolite, Massive.	540	142	143	1	<0.005	0.33	737	626.1
142.26	142.64	Brick red rhyolite magnetite								
142.64	143.23	Diabase dyke								
143.23	143.47	Rhyolite highly fractured up red in colour. Epi along lower contact with mafic dyke								
143.47	144	Diabase dyke								
144	148.47	Brick red rhyolite autobrecciated in places. Calc veining. Epi. Trace sulphides								
148.47	148.77	Diabase dyke, Magnetite v f gr	541	148	149	1	<0.005	0.37	537	688.8
148.77	151.26	Brick red rhyolite. Could be flow banded. Abund magnetite autobrecciated fract ca 45° with chl along them	542	149	150	1	<0.005	0.31	211	1015
151.26	151.79	Massive rhyolite to 151.79 m. magnetite rich	543	150	151	1	<0.005	0.39	196	1065
151.79	152	Felsic tuff. Epi								
152	152.8	Well sorted brick red tuff. Abund hem. Fine py. No mag. Mafic tuff hematized. Volcanic clasts 1 cm by 0.25 cm. 0.5 mm feldspar crystals. Very angular. Very odd.	544	152	153	1	<0.005	0.27	195	754.9
152.8	153.34	Coarser tuff. Graded. Avg size of frags 2 - 5 mm. epi alt at base. No mag.								
153.34	153.55	Mizture of tuffs. Red at bottom and black at top. Small synvolcanic fault va 40° displacement of 3 cm	545	153	154	1	<0.005	0.14	230	295.5
153.55	154.2	felsic flow. Mafic top half is brick red. Bottom is med to dk gy. Upper part has patches of epi 1 cm to 3 cm. irreg. bottom 10 cm has amygdules replaced with epi 1 - 2 mm. sharp contact with tuff ca 60°								
154.2	154.61	Tuff graded. Bottom 20 cm has 60% epi filling matrix. Top part is black chloritic hem. Tuff frags are red rhyolite	546	154	155	1	<0.005	0.13	184	265.9

From	To	Description	Sample	From	To	Length (m)	Au	Ag	Zn	TREE
154.61	154.89	Top part is red and black. Lower contact ca 70°. Magnetite								
154.89	155.3	Massive v f gr, top 10 cm is f gr. Brick red.								
155.3	155.64	Black and med gy mixture of flow banded rhyolite and rhyolitic tuff somewhat tectonized. Shearing ca 75°								
155.64	155.85	Red silicified massive rhyolite cut by epi hairline vlts. shearing at bottom of unit 2 cm ca 70°. almost mylonitic								
155.85	156.17	Top half is tectonized and silcified. Shearing mostly ca 65°, 60° IOD. Epi alt in patches up to 2 cm. trace qtz veins with specks of moly								
156.17	156.36	porph red rhyolite upper contact ca 75°								
156.36	156.79	Massive. Some magnetite. Amygdules of white qtz 0.5 cm								
156.79	157.16	Very mag rich hybrid rock. Mixture of rhyolite and mafics. Brick red. Patches of breccia filled with calc. massive								
157.16	157.77	Porph rhyolite. Top 10 cm red. Bottom part has black	547	157	158	1	<0.005	0.27	437	308.4
157.77	157.78	Heavy epi alt								
157.78	158.3	Autobrecciation with epi and qtz. No magnetite								
158.3	160.33	Bottom 50 cm contains 1 - 2 cm chl blebs. Some may be magnetite								
160.33	161	Porph red rhyolite. Phenocrysts 2 mm patches of epi hairline vlts ca 20°, 45° IOD. Patches of grey magnetite bearing sugary textured alt. patches 1 cm by 2 cm no sulphides. Some are rimmed with epi.								
161	162.21	Massive porph rhyolite. Contact ca 85°								
162.21	163.17	Top 10 cm has 30% v f gr epi magnetite								
163.17	163.33	Very fine grain porphyry basalt								
163.33	163.77	Patches of epi								
163.77	164.54	Porph rhyolite. Bottom part 10 cm is massive. Orange red. Epi. Fine py. Mafic flow contact ca 68°								

From	To	Description	Sample	From	To	Length (m)	Au	Ag	Zn	TREE
164.54	165.49	Mafic dyke. 50% sand sized epi few blebs of magnetite								
165.49	167.05	2 cm clay fault gouge								
167.05	167.27	Abund epi stockwork								
167.27	167.64	f gr massive orange coloured rhyolite abund stockwork of								
167.64	168.15	massive porph rhyolite orange brown								
168.15	169	porph rhyolite. massive. Colour banding. epi and autobrecciation filling with epi 0.5 cm patches ca 35°. Colour bands may be due to chl alt. chert. no magnetite								
169	169.89	3 zones of amygdaloidal mafic rock in three separate patches 2 mm spaced 10 cm apart								
169.89	170.23	patch of 15 cm of amygdaloidal basalt. White qtz filled. 10% 1 cm chl grains. magnetite								
170.23	171.28	Felted texture. Calc vein with magnetite	548	171.25	172.25	1	<0.005	0.17	746	224.4
171.28	171.79	Fine gr massive								
171.79	172.19	White specks of feldspar phenocrysts 0.5 mm size. Trace py. 0.5% phenocrysts of feldspar 0.25 cm. abund magnetite								
172.19	174.74	10% dark chloritic blebs may be magnetite								
174.74	174.96	Massive. 1% feld phenocrysts 5 mm								
174.96	178	brick red very silcified rhyolite. Patches of silica. Browner. Trace py and some magnetite. Spotted. Spherolitic texture	549	175.5	176.5	1	<0.005	0.16	309	524.2
178	178.2	Sheared								
178.2	178.63	flow banded rhyolite. Reddish colour. Ca 70° of laminae								
178.63	179.8	Calc veining ca 50°, 70°. 0.5 cm magnetite								
179.8	181.9	Calc vlts. Hairline. Ca 35°. Some epi.								
181.9	182.4	Fine grained, Amygdules with qtz and epi								
182.4	182.91	Epi. Lower contact of mafic flow is ca 45°. Bottom 10 cm contains flattened amygdules 2 cm by 0.25 cm rimmed with epi. Qtz in middle. Chl. No magnetite								

From	To	Description	Sample	From	To	Length (m)	Au	Ag	Zn	TREE
182.91	183.19	Very fine grained, Brownish grey. Well lam ca 60° cut by qtz and calc vlts ca 20° IOD. no magnetite in tuffs								
183.19	183.32	Coarser grained. Grains are 2 mm. darker grey								
183.32	183.85	Well laminated. Young fault ca 5° lam displaced by 3 cm								
183.85	184	med sand tuff. Epi stockwork. calc filled breccia 2 cm ca 50°								
184	184.3	v f sandy tuff yellow grey. cross beddded ripple marks 2 cm high								
184.3	184.8	yellow grey tuff v f gr well sorted								
184.8	185.1	tuff med grey cross bedded								
185.1	185.23	yellow grey tuff well sorted ca 40°								
185.23	185.92	yellow grey tuff well sorted.								
185.92	186.76	dk gy felsic tuff. Siliceous. Patches of 1 cm irreg epi ring structures. No magnetite								
186.76	187	grey yellow tuffs								
187	187.58	dk gy tuff siliceous								
187.58	188.1	silicified tuff med to dk gy. Massive								
188.1	188.24	c gr tuff. Frag 0.5 cm black grains not magnetite. Chl. Fine py.								
188.24	188.31	sheared f gr tuff ca of shearing ca 40° fine py								
188.31	189.47	interbedded dk gy tuff								
189.47	189.67	yellow gy tuff								
189.67	190.9	massive yellow gy tuff. Clay alt. lam ca 40° cross bedding	551	189.9	190.9	1	<0.005	0.02	91	185.7
190.9	191	mafic flow 10 cm. very odd. Chl.								
191	191.26	yellow gy tuff. Lam ca 35°								
191.26	192.16	f gr med to dk gy tuff. Well lam								
192.16	192.55	coarser tuff porph ca 45°								
192.55	192.76	dk gy tuffaceous sediment. mafic rich. well lam. ca 40° bedding 10% silt sized specks of clay alt. algal. Lam are < 0.5 mm, no reaction with acid.								
192.76	192.91	No fine clay. Burrowed								

From	To	Description	Sample	From	To	Length (m)	Au	Ag	Zn	TREE
192.91	193	yellow gy tuffaceous sediment ca 30°								
193	194	same. Med to dk dy mafic tuffaceous sed. Small tigmatic folds 1 cm amplitude								
194	194.28	massive basalt flow v f gr. Bottom 1.5 cm 15% dissem py								
194.28	194.34	light gy tuff glassy. Ca 30° at contact								
194.34	195.48	Amygdules larger toward top of hole. 1 cm qtz filled. Extensive epi alt 15 cm thick. All amygdules have epi around them. Some appear to be filled with dark chl. Some are ringed with py. Bottom 15 cm has 5% fine chl blebs. 1 - 2 mm	552	194.5	195.5	1	<0.005	0.22	406	194.9
195.48	195.72	mafic tuff finer grained upper contact								
195.72	196	10% 1 - 2 mm chloritic blebs								
196	196.66	No amygdules								
196.66	198.26	Abund epi alt alot of amygdules are qtz and epi								
198.26	198.49	Laminated tuff with epi alt								
198.49	199.25	Amygdules are 40%. Top part qtz and chl rich. Middle is chl and epi. Bottom mostly epi with fine py. Fine 0.5 cm clay alt	553	198.4	199.4	1	<0.005	0.11	209	186.5
199.25	200.63	Amygdules are 5% average 0.5 cm - 1 cm. qtz and epi stockwork of epi vlts ca 65°, 35° IOD. some amygdules have fine silvery sulphide bluish tinge may be moly								
200.63	202.57	Epi vlts every 5 - 10 cm ca 70° fract with chl at bottom. Chl and fine py specularite fract ca 35°								
202.57	203.2	Epi alt. qtz in vessicles. Trace py.								
203.2	203.5	massive basalt chl and specularite along fract. Very silvery coloured								
203.5	204.91	massive. 2% dk chl blebs								
204.91	206.1	Dissem py bottom half has 50% clay alt with 1% py. Some amygdules of qtz and phenocrysts of feld. Fract ca 25°, 40° with chl along it and specularite silvery coloured								
206.1	207.47	Chl blebs 1 - 2 mm. trace py								
207.47	207.75	Very fine grained, Fine py								

From	To	Description	Sample	From	To	Length (m)	Au	Ag	Zn	TREE
207.75	210.87	Very fine grained, Stockwork of epi with py in middle of epi. 0.5 cm epi ca 45°. Vlts are chert								
210.87	211	Amygdules are 2 mm thick. Epi could be large pumice frags. 10 by 15 cm epi rich	554	210	211	1	<0.005	0.08	253	192.7
211	212.61	exceptionally silicified basalt. Patches up to 14 cm of light grey chert. Some are laminated. Very patchy with epi. Rhinds around basalt fragments. Lower 50 cm yellow grey. Fine py. possible moly near base.	555	211	212	1	<0.005	0.08	209	195.5
212.61	215	Epi and chl within amygdules. Cut by epi vlts ca 25° fine py in epi. At 213.78 m heavy py with epi 2%	556	212	213	1	<0.005	0.03	164	170
215	215.65	Top half has amygdules. Abund py dissem and stockwork 5% fine dissem py. 5% clay alt specks	557	213	214	1	<0.005	0.05	207	191.9
215.65	215.73	Irreg patches of silica	558	215	216	1	<0.005	0.26	262	338.6
215.73	216	Highly silicified. Med gy exceptionally siliceous. Fine py. Med gy								
216	216.1	shearing dk chl and qtz. V f gr py. Ca 45°								
216.1	216.65	maroon V f py. specks of clay alt. cut by qtz or granitic vlts 0.25 cm irreg. ca 30° 1 - 2 mm qtz vlts ca 45° 3 mm thick	559	216	217	1	<0.005	0.14	246	323
216.65	218.32	Mafic dyke v f gr. Cut by calc dk chl and py ca 60° Two zones 5 cm thick with v abund calc and dk chl and py ca 70° autobrecciated								
218.32	219.45	Basalt. Lighter grey vessicular top. Some dissem py								
219.45	219.65	mixture of mafic and silicified rock. Tectonized. Ca of shearing 30°. trace fine py								
219.65	219.7	v f gr silcified. Med - dk gy. Fine py at 219.7 m. 1 cm gy qtz vein cutting at ca 30°. Hairline vlts of qtz and fine py ca 60° bottom half is buff coloured with abund 30% silt sized clay alt. 1-2% dissem py								
219.7	220.77	Brownish coloured. Colour banding change.								

From	To	Description	Sample	From	To	Length (m)	Au	Ag	Zn	TREE
220.77	222.2	felsic tuff ignimbrite. Buff coloured. Fine py 1 - 2%. Some patches 2 cm with py 10%. Foliation in rock ca 40°. Bottom of interval zones of very rich py 50% 1 cm thick by 4 cm. stretched out parallel to foliation	560	220.64	221.64	1	<0.005	0.18	740	760
222.2	223.1	v f gr may be rhyolitic bed. Many zones of very fine py 0.5 cm 30% well crystalized	561	221.64	222.64	1	<0.005	0.15	221	478.4
223.1	224.1	well lam. flow banded rhy. fine py buff coloured few blebs of py foliation ca 40°	562	222.64	223.64	1	<0.005	0.16	172	318.2
224.1	224.3	Chert like	563	223.64	224.64	1	<0.005	0.22	145	352.7
224.3	224.45	Well lam. Fine py								
224.45	225.36	very coarse felsic tuff agglomerate. Frags of porph rhy 5 cm by 10 cm. most of clasts average 1 cm to 0.5 cm. exceptionally silicified. Fine py through matrix	564	224.64	225.64	1	<0.005	0.22	243	506.4
225.36	225.79	very silicified. Reddish tinge.								
225.79	229.05	silcified fine py 1 - 2 % blebs of 1 cm of py	565	228.1	229.1	1	<0.005	0.49	721	847
229.05	229.1	Dk shearing ca 70°. dk gy py on margins								
229.1	229.44	felsic buff coloured								
229.44	231	well foliated ca 45° average size of phenocrysts 0.5 cm. fine py. Very silicified								
231	241.4	Few glassy frags 1 cm size. Fine py	566	233	234	1	<0.005	0.49	464	827.3
241.4	244.16	Very siliceous epi stockwork at bottom 25 cm								
244.16	244.2	silcified zone with epi 5 cm								
244.2	250.55	Mafic dyke varies from massive fine grained texture to a porphryitic texture. Phenocrysts replaced with epi. Fine 1 mm black chl blebs 20%, Small shear zone present with abund epi and qtz. Shearing ca 60°								
250.55	253.44	felsic tuff ignimbrite. Blebs 2 cm by 1 cm. fine py 0.5%								
253.44	254	orange felsic tuff. Epi alt. 0.5% dissem py								

From	To	Description	Sample	From	To	Length (m)	Au	Ag	Zn	TREE
254	260	Mafic dyke 15% black grains of chl 0.5 mm. rare patches of py in middle scattered trace amount, massive v f gr mafic rock. Patch of qtz and epi 3 cm by 3 cm rimmed with dk chl on margins, cut by stockwork of calc mag and epi ca 30°, 70° IOD few blebs of py up to 0.4 cm, 1% phenocrysts of feld 1 - 2 mm irreg calc vlts								
260	262.06	orange med gy felsic tuff very silcified cut by stockwork of epi vlts hairline ca 20°, 85° IOD fine py very brittle fracturing trace magnetite	567	261.54	262.54	1	<0.005	0.54	1920	540.7
262.06	262.81	dk gy silcified tuff trace py. Fract near top ca 50° with magnetite along it over 0.5 cm zone.								
262.81	263.81	buff to pink coloured felsic tuff. Frag with epi. trace sulphides. Bottom 5 cm epi alt								
263.81	265.73	Mafic dyke. Massive. Stockwork of epi, porph phenocrysts up to 2 cm								
265.73	278.45	Porph diorite. Phenocrysts average 2 - 3 mm and are 20%. Rock type is fine to med gr cut every 25 cm by qtz and epi vlts 2 - 3 mm size. Ca 22°. Some fine py on margins. Trace dissem sulphide. Rock is magnetic								
269	271.52	Phenocrysts are bigger. Some feldspar up to 4 mm								
271.52	278.45	Qtz veins 3 - 4 cm thick. Ca 80° white with 1% dissem py some weathered vugs. Fine py in vugs	568	271	272	1	<0.005	0.39	702	133.1
278.45	287	Calc vlts ca 45°, 65°. Magnetite throughout. Trace py								
287	289.43	Diabase dyke. V f gr magnetite blebs fine py. Magnetite blebs are chl 1 - 2 mm bottom 20 cm autobrecciation calc along it ca 70°								
289.43	289.51	porph diorite sharp contact ca 40° may be faulted contact								
289.51	289.66	Fine grained, massive								
289.66	289.81	porph								
289.81	291.47	porph, calc veins 0.5 cm ca 60° silvery py. Selvages 2 cm with fine py along calc vein								
291.47	291.5	porph								

From	To	Description	Sample	From	To	Length (m)	Au	Ag	Zn	TREE
291.5	292.63	Diabase dyke. Few patches of py. 0.25 cm dk chl veins calc chl along fract ca 45°, 65°. Good slickensides								
292.63	295.2	porph. No chill margin								
295.2	295.88	Diabase dyke. 1% chl patches of py up to 4 mm scattered								
295.88	296	porph, stockwork zone fault breccia 2 cm calc filled ca 85° with py within fault zone. V f gr diabase frags angular. Contact between diabase and diorite ca 35°								
296	299	porph, Phenocrysts up to 0.5 cm. calc vein every 10 cm 2 - 3 mm ca 68°. cut by small faults ca 40° displaced by 1 cm. fine py								
302.1	303.15	Silcified, stretched out pumice fragments. Med gy. Foliation ca 35° fine sulphides. Mostly py	569	302.1	303.1	1	<0.005	0.41	367	553.1
303.15	314.19	Ignimbritic felsic tuff. pumice frags. Py. Well crystalized phenocrysts of feldspar up to 2 mm. core broken up. Alot of cracks ca 80°, 65° slickensides along them	570	305.6	306.6	1	<0.005	0.34	346	482.4
314.19	314.41	Fault zone. Autobrecciated fine py. 3% kaolinite	571	308	309	1	<0.005	0.34	315	491.9
314.41	314.79	Felsic ignimbritic. Gy silica alt ca 70° 1 cm epi at base. Patches of py 0.25 by 1 cm	572	313.77	314.77	1	<0.005	0.47	599	436.1
314.79	315.41	Diabase dyke brecciated contact with calc over 1 cm. py chlorite ca 85° cut by vlt of feld pink 1 - 2 mm ca 45° irreg. calc. 0.5 cm ca 70°								
315.41	315.55	Coarse grained, autobrecciated. med gy patches of sulphide. 2 cm by 0.25 cm autobrecciated old healed fault zone. Mixture of rhyolite and diabase fragments	573	315.4	316.4	1	<0.005	0.44	453	455
315.55	316.16	Silicified. Fine py possible moly specks								
316.16	319.38	Fract ca 5° massive sulphide py over 3 mm. ignimbrite calc along vein of sulphide. Trace specularite								
319.38	324.2	Fine py scattered through it	574	319	320	1	<0.005	0.96	4740	478.4

From	To	Description	Sample	From	To	Length (m)	Au	Ag	Zn	TREE
324.2	324.63	Orange coloured cut by small vlts of calc.	576	324.5	325.5	1	<0.005	1.61	772	609.9
324.63	325.5	Autobrecciated. Cut by small qtz veins with chl along margins. Patches of py 3 cm by 2 cm. patches have 30% dissem py. Patches of chl. Not magnetic.								
325.5	327	Greyer coloured pumice frags. Few fract with finer py subparallel to foliation								
327	328.65	Fract ca 74° with massive py along hairline fract specks of hem								
328.65	330.43	felsic tuff ignimbrite. Less fine py								
330.43	330.47	Diabase dyke ca 40°								
330.47	330.63	felsic tuff								
330.63	330.78	Diabase dyke ca 90° contact								
330.78	331.26	felsic tuff								
331.26	332.93	Diabase dyke. 5 cm chill margin. contact ca 87°								
332.93	340	Porph diorite felted texture phenocrysts average 3 mm. last portion is gradational contact. Massive								
340	340.15	altered felsic tuff patches of 5 cm of epi with magnetite in middle possible sphalerite some fine py in rock rimmed with magnetite	577	340	341	1	<0.005	0.92	1980	508.9
340.15	341	Dk gy colour trace py fract ca 60° fine py								
341	344.85	Fine py not as much as previous. Qtz veins 2 mm with py ca 45°								
344.85	350.2	qtz veins 1 cm ca 40° hem staining on edges of qtz vein fine py	578	344.5	345.5	1	<0.005	0.78	696	547.2
350.2	351.32	Diabase dykes in interval ca 87°	579	345.5	346.5	1	<0.005	0.79	391	568.9
351.32	353.1	Redder felsic tuff ignimbritic. Fine py stockwork of calc vlts 1% py well crystalized	580	346.5	347.5	1	<0.005	0.58	327	561.3
353.1	359	Rhyolite porphyry, brownish grey qtz phenocrysts 1 mm up to 15% 30 - 40% flesh coloured phenocrysts up to 3 mm v f trace py. Some patches of brown f gr tuff. Flattened 1 cm square.	581	351.33	352.33	1	<0.005	0.53	496	539.4
359	359.4	Light grey silica vlts ca 35° py along it	582	359	360	1	<0.005	0.26	164	610.7

From	To	Description	Sample	From	To	Length (m)	Au	Ag	Zn	TREE
359.4	365	Felsic tuff ignimbritic brownish to maroon grey. Good foliation								
365	366	Specks of yellow light tan kaolinite	583	365	366	1	<0.005	0.31	165	621.4
366	368	ignimbritic brownish grey cut by py vlts hairline ca 45° 2 mm								
368	373.3	Brownish phyolite volvanic clasts 2 by 3 cm. Volcanic clasts is not as flattened as before. Fine py throughout								
373.3	374	Autobrecciated grey silica. Clay alt. cut by calc and epi vlts with some py fault breccia healed	584	373	374	1	<0.005	0.32	469	613.9
374	375	Quite silicified. Few frags of spherolite								
375	385.52	Mafic intrusive. Possibly diabasic. (Between 387.7 to 388.5 m get 1 - 2% chloritic blebs 2 to 10 mm). Heavy magnetite throughout mafic unit. Lower contact 80° ca. slight faulting with some epidote. 2 mm calcite veinlets throughout ca 70° and 50° IOD								
385.52	387.36	reddish brown with abundant reddish f gr rhyolite fragments average 1 cm up to 2.5 cm. trace py within it								
387.36	387.72	Few 1 cm breccia zones. Light grey silica clay matrix with 1 - 2 % fine py ca 85°	585	387.26	388.26	1	0.006	0.48	500	698.1
387.72	387.8	Autobrecciated ca 45° with fine hairline silica vein with kaolinite								
387.8	389.15	trace 1% py throughout								
389.15	391.51	Trace very fine py								
391.51	393.2	One 1 cm breccia zone ca 55° healed with buff coloured silica and epidote								
393.2	393.9	Area stockwork of epidote from 393.54 m to 393.9 m and silica vlts and autobrecciation. Most trending ca 25°. some minor faulting ca 42°. displacement approx 2 - 3 cm. some fract in rock ca 60° with slickensides ca 52°								

From	To	Description	Sample	From	To	Length (m)	Au	Ag	Zn	TREE
393.9	395	At 394.5 m get 5 cm frag of flow banded red rhyolite frag. One irreg fract with unknown very fine light grey mineral. Odd coloured chl hairline ca 45° opposite direction as foliation								
		EOH: 395								

APPENDIX III: ANALYTICAL METHODS AND PROCEDURES

Sample Collection and Preparations Procedures

Prospecting Rock Sampling Collection

Diamond drill-core whole rock samples were chosen by the drill geologist from core trays. The geologist ensured that the sample was representative of a particular rock-type and/or alteration type. Drill-core samples were split by a trained geologist or geologist's helper using a hydraulic splitter; the drill-core splitting equipment and work surfaces were cleaned regularly to avoid contamination of samples. Samples were placed in clear plastic bags together with a paper ticket indicating a unique sample number. Each bag was tied with a vinyl cable-tie. Samples were shipped to the laboratory for sample preparation and chemical analysis.

Rock Sample Preparation

All samples submitted to Activation Laboratories Ltd. of Val D' Or, Quebec, were prepared to the following specifications.

1 Receive samples, lay out on benches, check sample state, order and identification.

2 Leave in original plastic bags which are opened and place on carts and dry at 60°C until the sample is dry in drying rooms.

3 Crush each in Terminator jaw crusher to 70% passing <2mm.

4 Split immediately after crushing to obtain 250g sample using rifle splitter.

5 Pulverize 250g split to 85% passing <75 um. Mill is cleaned with cleaner sand between every sample.

6 Bag the reject with original sample tag and Actlabs label

7 Make a new pulp from another split of reject for every order over 40 samples.

Aqua Regia Digestion

Although some base metals may dissolve quantitatively, in the majority of geological matrices, data reported from an aqua regia leach should be considered as representing only the leachable portion of the particular analyte. The recovery percentages for many analytes from more resistive minerals can be very low, but the acid leachable portion can also be an excellent exploration tool.

In order to report the widest possible concentration range, this method uses both the ICP-MS and the ICP-AES techniques. Minimum sample size is 1g.

51 elements by aqua regia, ICP-MS and ICP-AES

ANALYTES & RANGES (ppm)								CODE	PRICE PER SAMPLE ($)
Ag	0.01-100	Cs	0.05-500	Mo	0.05-10,000	Sr	0.2-10,000	ME-MS41	23.20
Al	0.01-25%	Cu	0.2-10,000	Na	0.01%-10%	Ta	0.01-500		
As	0.1-10,000	Fe	0.01%-50%	Nb	0.05-500	Te	0.01-500		
Au	0.2-25	Ga	0.05-10,000	Ni	0.2-10,000	Th	0.2-10,000		
B	10-10,000	Ge	0.05-500	P	10-10,000	Ti	0.005%-10%		
Ba	10-10,000	Hf	0.02-500	Pb	0.2-10,000	Tl	0.02-10,000		
Be	0.05-1,000	Hg	0.01-10,000	Rb	0.1-10,000	U	0.05-10,000		
Bi	0.01-10,000	In	0.005-500	Re	0.001-50	V	1-10,000		
Ca	0.01%-25%	K	0.01%-10%	S	0.01%-10%	W	0.05-10,000		
Cd	0.01-1,000	La	0.2-10,000	Sb	0.05-10,000	Y	0.05-500		
Ce	0.02-500	Li	0.1-10,000	Sc	0.1-10,000	Zn	2-10,000		
Co	0.1-10,000	Mg	0.01%-25%	Se	0.2-1,000	Zr	0.5-500		
Cr	1-10,000	Mn	5-50,000	Sn	0.2-500				

Four Acid "Near-Total" Digestion

In most cases, this procedure quantitatively dissolves nearly all elements for the majority of geological materials. However, it may sometimes be necessary to use even stronger dissolution techniques such as fusions in order to get fully quantitative results.

In order to report the widest possible concentration range, this method uses both the ICP-MS and ICP-AES techniques. Minimum sample size is 1g.

48 elements by four-acid, ICP-MS and ICP-AES

ANALYTES & RANGES (ppm)								CODE	PRICE PER SAMPLE ($)
Ag	0.01-100	Cs	0.05-500	Na	0.01%-10%	Sr	0.2-10,000	ME-MS61	27.90
Al	0.01%-50%	Fe	0.01%-50%	Nb	0.1-500	Ta	0.05-100		
As	0.2-10,000	Ga	0.05-10,000	Ni	0.2-10,000	Te	0.05-500		
Ba	10-10,000	Ge	0.05-500	P	10-10,000	Th	0.2-10,000		
Be	0.05-1,000	Hf	0.1-500	Pb	0.5-10,000	Ti	0.005%-10%		
Bi	0.01-10,000	In	0.005-500	Rb	0.1-10,000	Tl	0.02-10,000		
Ca	0.01%-50%	K	0.01%-10%	Re	0.002-50	U	0.1-10,000		
Cd	0.02-1,000	La	0.5-10,000	S	0.01%-10%	V	1-10,000	ME-MS61m	37.75
Ce	0.01-500	Li	0.2-10,000	Sb	0.05-10,000	W	0.1-10,000		
Co	0.1-10,000	Mg	0.01%-50%	Sc	0.1-10,000	Y	0.1-500		
Cr	1-10,000	Mn	5-100,000	Se	1-1,000	Zn	2-10,000		
Cu	0.2-10,000	Mo	0.05-10,000	Sn	0.2-500	Zr	0.5-500		

Note: To include Hg by a separate procedure in the suite of elements above, please request ME-MS61m instead of ME-MS61.

A full suite of rare earth elements can be added to this package, keeping in mind that this data will represent the acid leachable portion of the rare earth elements only. This is only available as an add-on to the ME-MS61 package, and can only be provided if both the ME-MS61 and ME-MS61r are ordered at the same time.

ANALYTES & RANGES (ppm)								CODE	PRICE PER SAMPLE ($)
Dy	0.05-1,000	Gd	0.05-1,000	Nd	0.1-10,000	Tb	0.01-1,000	ME-MS61r	3.65 (add on price)
Er	0.03-1,000	Ho	0.01-1,000	Pr	0.03-1,000	Tm	0.01-1,000		
Eu	0.03-1,000	Lu	0.01-1,000	SM	0.03-1,000	Yb	0.03-1,000		

APPENDIX IV: ANALTICAL CERTIFICATES

ROCK SAMPLES

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: CELTIC TIGER MINERALS EXPLORATION LTD.
1550, BEDFORD HIGHWAY, SUITE 820
BEDFORD NS B4A 1E6

Finalized Date: 13- DEC- 2011
This copy reported on
10- JAN- 2012
Account: CELTIG

CERTIFICATE VO11238252

Project: SHORTLIFF AND WENTWORTH

P.O. No.:

This report is for 108 Drill Core samples submitted to our lab in Val d'Or, QC, Canada on 11- NOV- 2011.

The following have access to data associated with this certificate:

DARRIN CAMPBELL	LYNDON JENSEN	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
LOG- 24	Pulp Login - Rcd w/o Barcode
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
CRU- 31	Fine crushing - 70% <2mm
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% <75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME- MS61	48 element four acid ICP- MS	
Au- AA24	Au 50g FA AA finish	AAS

To: CELTIC TIGER MINERALS EXPLORATION LTD.
ATTN: DARRIN CAMPBELL
1550, BEDFORD HIGHWAY, SUITE 820
BEDFORD NS B4A 1E6

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

***** See Appendix Page for comments regarding this certificate *****

Signature: Nacera Amara

Nacera Amara, Laboratory Manager, Val d'Or

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: CELTIC TIGER MINERALS EXPLORATION LTD.
1550, BEDFORD HIGHWAY, SUITE 820
BEDFORD NS B4A 1E6

Finalized Date: 13- DEC- 2011
Account: CELTIG

Project: SHORTLIFF AND WENTWORTH

CERTIFICATE OF ANALYSIS VO11238252

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
481		2.31	<0.005	0.04	2.28	3.8	120	0.90	0.17	0.90	0.05	53.7	4.0	35	3.18	10.7
482		2.27	<0.005	0.05	6.09	17.0	460	2.12	0.34	0.47	0.09	83.6	13.4	61	7.71	15.5
483		2.34	0.007	5.34	9.30	28.1	650	3.54	0.21	0.32	0.12	100.5	18.1	89	11.80	29.8
484		2.36	<0.005	0.16	9.17	34.7	600	2.76	0.38	0.25	0.67	98.7	15.4	83	7.38	28.0
485		2.31	<0.005	0.11	8.75	32.5	590	2.89	0.26	0.21	0.25	94.7	14.9	77	7.45	21.6
486		2.25	<0.005	0.12	6.69	24.7	440	1.74	0.20	0.30	0.24	93.4	8.3	55	3.94	21.1
487		2.27	<0.005	0.28	7.58	126.0	510	1.92	0.36	0.61	0.80	88.6	14.7	72	4.20	36.4
488		2.33	<0.005	0.10	10.15	14.0	590	3.21	0.45	0.15	0.04	97.0	16.6	98	6.88	28.7
489		2.02	<0.005	0.07	9.92	72.0	540	4.14	0.62	0.11	0.20	87.9	15.7	98	14.85	21.1
490		2.17	<0.005	0.05	10.00	26.1	510	4.41	0.53	0.18	0.25	80.2	15.8	99	9.84	21.0
491		2.03	<0.005	0.04	10.30	45.4	540	3.84	0.50	0.21	0.49	99.0	16.6	98	8.29	19.0
492		2.42	<0.005	0.35	6.11	10.0	270	2.37	0.37	3.31	0.13	65.7	9.5	52	15.85	31.4
493		2.38	<0.005	0.17	10.50	48.5	550	3.57	0.34	0.26	0.03	107.0	20.8	89	8.32	23.7
494		2.11	<0.005	0.07	9.63	27.8	700	2.83	0.35	0.24	0.35	112.5	16.1	84	5.55	22.8
495		2.17	<0.005	0.03	7.95	9.9	550	2.28	0.06	0.29	0.02	99.5	11.7	63	3.74	3.7
496		2.11	<0.005	0.07	8.53	50.3	620	2.37	0.28	0.32	0.09	117.0	15.7	73	4.11	45.3
497		2.08	<0.005	0.14	9.31	26.3	700	2.75	0.34	0.26	0.03	118.5	16.0	80	4.80	38.5
498		2.41	<0.005	0.06	9.44	25.4	720	2.45	0.26	0.20	<0.02	125.0	18.4	80	4.48	26.7
499		2.34	<0.005	0.05	8.20	13.3	600	2.17	0.21	0.14	0.02	99.5	14.4	70	3.79	17.0
500		<0.02	NSS													
501		2.50	0.028	0.09	7.50	4.9	550	2.99	0.15	0.26	<0.02	100.0	12.1	62	4.36	10.6
502		2.24	<0.005	0.01	1.03	2.5	10	1.54	0.08	0.05	<0.02	27.2	2.8	31	0.68	3.9
503		2.30	<0.005	<0.01	2.63	5.2	230	1.07	0.06	0.19	<0.02	51.6	4.3	41	2.79	1.3
504		1.85	<0.005	0.02	4.49	7.9	370	1.82	0.11	0.22	<0.02	75.5	7.9	47	2.80	4.2
505		2.31	0.022	0.08	9.26	21.7	720	2.74	0.46	0.26	0.07	113.5	20.6	77	4.47	35.5
506		2.24	<0.005	0.06	8.39	5.2	650	3.37	0.19	0.66	0.06	91.2	11.5	66	11.65	16.2
507		2.24	<0.005	0.05	9.40	6.7	710	3.95	0.40	0.19	0.04	150.5	14.0	72	4.97	8.0
508		2.41	<0.005	0.15	8.66	16.9	680	2.81	0.37	0.22	0.03	101.5	13.6	67	3.87	49.0
509		2.47	<0.005	0.17	9.06	12.6	690	3.89	0.42	0.59	0.10	108.5	14.3	72	7.70	23.8
510		2.24	<0.005	0.13	7.36	30.7	570	2.38	0.20	0.36	0.10	87.7	9.5	55	4.80	23.5
511		2.39	<0.005	0.19	7.24	9.5	510	4.36	0.22	1.21	0.02	65.3	9.5	51	8.53	9.5
512	Wentworth	2.23	<0.005	0.12	7.25	2.4	490	4.38	0.21	1.18	1.01	83.7	13.0	57	8.25	21.4
513		1.75	<0.005	0.12	6.53	1.0	170	4.01	0.27	0.26	0.07	114.0	1.8	9	6.33	12.6
514		1.45	<0.005	0.47	10.25	4.4	300	9.22	0.60	0.56	2.40	129.5	10.8	59	9.90	54.6
515		2.13	<0.005	0.34	5.53	0.9	120	5.32	0.15	0.25	0.32	102.0	0.9	11	4.33	11.3
516		1.67	<0.005	0.40	7.35	1.2	140	5.64	0.20	0.29	0.20	145.5	1.3	5	6.00	6.8
517		2.01	<0.005	0.07	7.19	4.3	460	2.59	0.03	5.70	0.72	68.7	45.7	45	4.22	46.7
518		1.55	<0.005	0.10	6.56	3.6	290	3.65	0.07	2.45	0.24	97.6	17.0	20	3.79	19.8
518b		1.64	<0.005	0.14	6.29	2.5	100	2.82	0.08	0.18	0.32	117.5	1.0	10	3.72	38.1
518c		1.94	<0.005	0.17	5.92	2.1	80	2.80	0.07	0.26	1.99	110.0	1.2	18	3.64	11.4

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: CELTIC TIGER MINERALS EXPLORATION LTD.
1550, BEDFORD HIGHWAY, SUITE 820
BEDFORD NS B4A 1E6

Finalized Date: 13- DEC- 2011
Account: CELTIG

Project: SHORTLIFF AND WENTWORTH

CERTIFICATE OF ANALYSIS VO11238252

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
481		1.87	5.90	0.18	3.5	0.035	0.45	25.2	36.5	0.22	189	0.21	0.53	8.1	7.4	150
482		4.62	17.05	0.19	3.6	0.062	1.91	42.6	81.4	0.55	506	0.66	0.71	14.0	24.2	740
483		7.31	27.6	0.24	3.7	0.075	2.95	48.3	82.5	0.79	1090	0.76	0.82	17.9	40.7	820
484		5.33	27.1	0.23	3.9	0.109	2.91	46.9	83.2	0.91	323	1.71	0.68	17.8	39.4	960
485		4.56	25.0	0.20	4.5	0.084	2.71	46.3	85.1	0.81	361	1.44	0.83	18.2	40.1	720
486		3.64	18.45	0.20	4.9	0.081	1.73	45.4	57.8	0.56	302	1.10	0.97	16.3	24.3	630
487		4.55	20.4	0.17	4.9	0.060	2.15	44.1	74.7	0.88	423	3.78	0.80	19.3	34.6	470
488		4.94	31.5	0.24	3.8	0.088	3.21	48.4	93.9	0.78	217	0.72	0.52	21.0	46.2	710
489		4.50	29.6	0.22	3.9	0.085	2.87	40.5	122.0	0.77	158	1.26	0.40	19.3	41.2	500
490		4.85	30.6	0.23	3.8	0.094	2.59	34.3	139.5	0.77	211	3.27	0.37	19.3	44.1	870
491		4.95	31.3	0.23	3.6	0.088	2.83	44.4	130.5	0.79	253	3.39	0.44	19.5	43.2	1000
492		4.38	15.90	0.21	3.2	0.053	1.63	32.9	68.0	0.54	639	0.23	0.49	10.9	17.8	360
493		5.41	29.1	0.20	3.5	0.088	3.04	52.7	96.7	0.85	329	0.86	0.73	20.0	44.3	820
494		5.17	25.8	0.23	4.8	0.079	2.86	59.5	81.1	0.76	558	1.21	0.77	21.0	38.1	850
495		3.88	20.1	0.21	4.7	0.072	2.09	49.7	65.3	0.65	379	0.97	1.22	17.5	26.3	630
496		4.83	23.7	0.22	5.1	0.076	2.58	59.6	71.9	0.73	531	1.63	0.78	21.0	31.7	1170
497		5.08	25.2	0.21	5.0	0.083	2.92	58.7	74.8	0.80	463	1.20	0.74	21.1	31.9	1030
498		4.87	25.0	0.24	5.0	0.092	2.94	60.7	72.3	0.78	451	1.67	0.72	22.1	35.8	820
499		4.52	21.5	0.20	4.9	0.077	2.49	55.3	61.5	0.67	441	0.83	0.67	19.7	28.0	490
500																
501		4.22	19.05	0.20	5.1	0.072	2.13	49.8	69.8	0.72	398	0.96	0.82	19.0	24.9	700
502		2.12	3.11	0.13	2.1	0.015	0.06	12.1	81.8	0.42	253	0.22	0.02	8.3	5.6	150
503		2.06	7.21	0.14	2.4	0.033	0.73	24.6	26.3	0.23	257	0.62	0.33	10.2	8.9	190
504		2.74	12.65	0.16	3.6	0.052	1.29	39.1	40.2	0.37	229	0.97	0.46	13.4	16.8	610
505		5.11	25.5	0.23	4.0	0.077	3.02	56.1	76.8	0.79	341	2.28	0.78	19.8	37.0	1010
506		5.19	21.1	0.21	4.1	0.076	2.58	44.4	74.1	0.68	605	0.77	1.07	17.7	27.5	500
507		5.19	29.1	0.25	8.9	0.097	3.11	72.4	95.3	0.96	463	0.71	0.72	45.8	31.7	730
508		4.35	22.3	0.18	4.2	0.075	2.82	51.3	62.4	0.76	289	1.22	0.81	19.8	28.4	700
509		4.43	24.8	0.22	4.5	0.065	2.69	53.8	73.2	0.82	558	1.30	1.25	20.3	32.0	770
510		3.91	18.60	0.19	4.3	0.063	2.30	42.3	53.3	0.62	338	0.66	0.88	15.5	20.9	910
511		3.41	19.25	0.16	4.5	0.054	2.47	33.2	75.3	0.74	579	0.26	0.75	15.8	20.6	730
512		3.66	20.4	0.24	6.3	0.074	6.45	39.4	76.0	1.29	1030	9.44	0.45	19.8	35.7	540
513		1.45	24.1	0.23	8.1	0.079	5.98	55.6	22.2	0.33	291	0.84	0.41	44.8	4.1	70
514		4.09	36.6	0.24	10.9	0.131	6.66	60.5	50.4	0.86	801	4.11	0.97	46.0	26.5	340
515		1.00	14.55	0.22	6.6	0.066	4.53	48.8	13.6	0.16	204	1.29	0.89	36.5	1.5	40
516		1.25	24.9	0.28	9.7	0.090	5.52	72.0	16.5	0.22	266	0.93	1.28	48.7	1.0	40
517		10.85	23.8	0.22	6.7	0.128	1.44	30.9	81.3	3.45	2510	1.25	2.16	22.6	35.8	3350
518		5.02	22.1	0.24	7.4	0.086	4.13	46.7	41.6	1.26	1120	0.99	1.36	33.2	13.8	1320
518b		1.14	16.60	0.24	7.7	0.055	6.14	56.5	7.5	0.09	225	1.04	0.96	40.5	1.1	70
518c		1.13	14.85	0.26	7.2	0.042	6.03	55.4	5.9	0.08	168	0.51	0.78	40.4	2.1	40

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: CELTIC TIGER MINERALS EXPLORATION LTD.
1550, BEDFORD HIGHWAY, SUITE 820
BEDFORD NS B4A 1E6

Finalized Date: 13- DEC- 2011
Account: CELTIG

Project: SHORTLIFF AND WENTWORTH

CERTIFICATE OF ANALYSIS VO11238252

Sample Description	Method / Analyte / Units / LOR	ME- MS61 Pb ppm 0.5	ME- MS61 Rb ppm 0.1	ME- MS61 Re ppm 0.002	ME- MS61 S % 0.01	ME- MS61 Sb ppm 0.05	ME- MS61 Sc ppm 0.1	ME- MS61 Se ppm 1	ME- MS61 Sn ppm 0.2	ME- MS61 Sr ppm 0.2	ME- MS61 Ta ppm 0.05	ME- MS61 Te ppm 0.05	ME- MS61 Th ppm 0.2	ME- MS61 Tl % 0.005	ME- MS61 Tl ppm 0.02	ME- MS61 U ppm 0.1
481		15.1	27.2	0.002	0.02	0.48	4.1	<1	1.0	120.0	0.60	<0.05	9.1	0.332	0.22	1.5
482		19.2	86.0	<0.002	0.02	0.44	12.0	2	2.3	102.5	1.01	<0.05	11.1	0.449	0.42	2.2
483		40.1	134.5	0.004	0.09	0.71	18.6	7	3.3	117.0	1.25	<0.05	13.6	0.576	0.83	130.0
484		21.4	154.0	0.004	0.35	0.58	16.9	2	4.2	107.0	1.34	0.09	13.7	0.579	1.27	7.3
485		21.7	148.5	0.006	0.34	0.60	15.7	1	3.9	121.5	1.28	<0.05	14.2	0.578	1.16	18.6
486		22.5	96.4	0.003	0.34	0.42	10.5	2	2.7	114.5	1.17	0.10	14.5	0.459	0.72	11.3
487		25.9	107.0	0.019	0.59	0.74	12.6	<1	2.9	105.5	1.48	<0.05	13.5	0.505	0.97	48.2
488		26.9	172.5	0.004	0.52	0.40	19.5	2	4.8	117.0	1.52	0.08	14.4	0.660	1.18	2.8
489		22.0	159.5	0.016	0.21	0.41	19.0	1	4.4	90.8	1.45	0.07	13.7	0.625	0.97	29.0
490		22.3	140.5	0.003	0.22	0.36	18.6	1	4.1	90.6	1.45	0.06	12.3	0.609	1.11	2.8
491		24.2	151.0	0.007	0.24	0.53	18.8	1	4.3	102.0	1.43	0.06	14.2	0.616	1.09	3.5
492		24.7	92.8	0.003	0.09	0.34	9.0	3	1.9	72.3	0.83	<0.05	11.8	0.364	0.54	11.6
493		36.7	172.0	0.012	0.12	0.40	18.5	2	3.7	115.5	1.40	0.06	15.9	0.601	0.98	50.4
494		35.1	161.0	<0.002	0.04	0.40	18.0	2	3.9	141.0	1.51	0.08	17.6	0.654	0.82	4.8
495		14.4	108.5	<0.002	0.01	0.44	12.9	3	3.0	164.5	1.22	<0.05	14.2	0.499	0.42	3.4
496		21.0	150.5	0.002	0.25	0.37	16.2	3	3.2	144.5	1.42	0.06	16.4	0.590	0.70	3.0
497		24.4	161.0	0.005	0.11	0.29	17.3	1	3.4	138.0	1.44	0.05	17.3	0.631	0.77	8.7
498		20.5	162.0	0.007	0.01	0.35	17.1	2	3.6	134.0	1.52	0.11	18.3	0.625	0.66	4.2
499		18.4	131.5	<0.002	0.01	0.31	14.0	<1	3.0	111.0	1.43	<0.05	16.6	0.557	0.51	4.8
500																
501		18.6	126.0	<0.002	0.01	0.30	12.8	3	2.8	119.0	1.27	0.06	15.6	0.506	0.56	5.5
502		1.7	4.3	<0.002	<0.01	0.17	1.7	<1	0.9	6.6	0.42	<0.05	3.6	0.180	0.04	1.1
503		19.6	44.1	<0.002	<0.01	0.18	4.6	1	1.4	70.2	0.68	<0.05	6.0	0.240	0.26	1.3
504		18.7	80.2	0.002	<0.01	0.29	8.1	4	2.2	96.3	0.86	0.11	8.9	0.332	0.35	2.1
505		20.6	164.0	0.002	0.50	0.34	16.5	6	3.7	131.0	1.36	0.18	15.5	0.567	1.50	3.0
506		32.1	164.0	0.002	0.03	0.38	13.5	<1	3.7	224	1.26	<0.05	14.1	0.534	0.86	10.4
507		27.4	152.0	<0.002	0.01	0.42	15.5	2	5.2	116.5	3.10	0.09	19.9	0.570	0.51	6.3
508		22.2	146.0	<0.002	0.29	0.35	13.8	4	3.8	127.5	1.32	0.13	14.0	0.529	0.65	3.8
509		54.7	165.5	0.003	0.03	0.35	15.3	3	5.1	219	1.38	0.06	15.1	0.553	0.74	3.1
510		18.8	115.5	0.004	0.36	0.36	11.1	2	2.4	126.0	1.10	0.10	13.7	0.481	0.71	5.8
511		15.9	157.0	0.002	<0.01	0.46	11.2	4	2.7	98.9	1.11	0.07	13.3	0.483	0.58	4.9
512		55.3	435	<0.002	0.01	0.39	12.2	2	2.9	156.0	1.41	<0.05	11.8	0.399	6.93	2.5
513		80.8	470	<0.002	<0.01	0.50	3.6	4	6.7	122.0	2.48	<0.05	24.1	0.095	3.86	6.0
514		167.5	470	<0.002	0.64	1.05	10.8	3	7.0	158.5	3.05	0.07	25.2	0.334	4.51	11.3
515		116.0	334	<0.002	0.02	0.52	2.1	2	4.7	134.0	2.12	<0.05	19.2	0.057	2.60	4.7
516		93.1	421	<0.002	0.01	0.65	2.9	3	7.7	138.5	3.09	0.07	30.5	0.089	3.31	5.4
517		159.5	121.5	0.004	0.09	0.95	42.5	3	2.1	307	1.41	<0.05	1.9	2.22	1.93	0.6
518		123.5	271	<0.002	0.05	1.08	17.7	3	4.1	157.0	2.02	0.05	14.3	0.897	2.21	2.9
518b		274	380	<0.002	0.01	1.29	2.6	3	5.0	80.5	2.54	<0.05	23.1	0.076	2.95	4.1
518c		133.0	384	<0.002	<0.01	1.50	2.7	5	4.5	71.0	2.30	<0.05	21.6	0.089	2.91	3.1

***** See Appendix Page for comments regarding this certificate *****

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To: CELTIC TIGER MINERALS EXPLORATION LTD.
1550, BEDFORD HIGHWAY, SUITE 820
BEDFORD NS B4A 1E6

Finalized Date: 13- DEC- 2011
Account: CELTIG

Project: SHORTLIFF AND WENTWORTH

CERTIFICATE OF ANALYSIS VO11238252

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5
481		29	0.8	10.1	25	109.5
482		77	1.2	12.6	79	117.0
483		122	2.7	21.0	116	113.0
484		118	2.5	15.1	243	121.5
485		112	2.1	13.0	149	144.0
486		74	1.6	11.0	132	158.0
487		120	2.2	10.2	255	153.0
488		152	2.2	10.4	103	125.0
489		152	2.6	10.7	93	119.0
490		154	2.7	9.7	124	111.5
491		146	3.0	13.4	138	120.5
492		76	2.0	10.1	73	103.0
493		135	2.1	14.3	95	113.0
494		126	2.2	15.1	140	153.0
495		93	2.1	16.0	70	147.0
496		119	1.8	17.3	88	165.0
497		136	2.5	18.2	83	165.5
498		134	2.5	15.2	88	159.5
499		106	2.0	13.1	77	158.0
500						
501		94	2.1	16.9	73	165.5
502		16	1.1	9.3	25	60.7
503		38	0.7	7.9	33	73.8
504		62	1.3	13.3	42	100.5
505		112	2.0	15.5	83	131.0
506		92	2.8	15.1	91	134.0
507		103	3.2	29.7	113	309
508		95	2.8	16.0	88	138.5
509		101	2.1	16.5	90	139.0
510		93	1.9	13.2	70	142.0
511		94	3.1	26.1	97	142.5
512		69	2.4	39.5	141	233
513		10	0.8	65.7	91	183.5
514		51	3.2	73.2	220	273
515		2	0.4	55.1	47	146.5
516		6	0.5	70.9	56	205
517		418	1.5	50.0	375	261
518		161	1.1	56.2	221	204
518b		6	0.7	58.5	202	162.5
518c		4	0.7	58.0	125	163.0

***** See Appendix Page for comments regarding this certificate *****

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BEDFORD NS B4A 1E6

Finalized Date: 13- DEC- 2011
Account: CELTIG

Project: SHORTLIFF AND WENTWORTH

CERTIFICATE OF ANALYSIS VO11238252

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA24 Au ppm 0.005	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2
519		2.06	<0.005	0.21	6.01	4.7	100	6.62	0.29	2.47	0.52	127.5	9.9	43	1.96	14.8
520		1.74	<0.005	0.08	4.56	1.6	70	2.68	0.11	0.88	0.04	78.2	1.4	17	2.74	7.2
521		2.12	<0.005	0.06	5.75	2.5	150	2.40	0.09	1.40	0.10	98.5	1.7	12	3.08	9.8
522		2.37	<0.005	0.07	5.70	2.2	200	2.72	0.11	1.54	0.46	95.8	2.7	14	3.31	16.3
523		2.34	0.023	0.11	6.08	1.5	160	2.51	0.12	1.64	0.83	101.5	0.7	6	4.27	11.7
524		2.19	0.005	0.12	6.38	1.9	110	2.42	0.16	0.91	1.11	116.0	0.6	3	4.25	8.0
525		<0.02	NSS													
526		2.00	<0.005	0.14	5.90	2.5	80	2.20	0.24	0.84	3.40	105.0	0.6	8	3.99	11.4
527		2.30	<0.005	0.11	6.16	2.1	200	2.51	0.15	1.66	0.21	96.2	0.5	4	5.27	13.9
528		1.72	<0.005	0.04	5.83	2.4	160	2.32	0.17	0.89	0.05	100.5	1.3	7	4.58	7.0
529		1.56	<0.005	0.03	5.85	2.2	130	2.59	0.11	0.70	2.48	104.0	1.5	11	4.22	12.9
530		2.03	<0.005	0.05	5.87	1.0	70	3.10	0.08	0.33	0.14	104.0	0.7	10	4.12	5.7
531		1.68	<0.005	0.16	6.46	1.9	130	4.85	0.45	3.01	2.14	82.1	17.3	37	1.46	3.1
532		2.01	<0.005	0.01	5.72	1.7	170	4.22	0.13	0.88	0.87	114.0	1.7	9	1.93	1.6
533		2.40	<0.005	0.03	6.23	1.9	180	4.83	0.13	0.59	0.64	127.0	1.7	8	1.99	4.4
534		2.34	0.005	0.97	4.69	8.6	140	4.96	0.13	0.30	2.22	181.5	2.7	8	2.11	10.5
535		2.34	0.005	0.42	5.01	24.9	160	5.80	0.12	1.26	1.79	198.5	2.0	5	4.34	91.4
536		2.44	<0.005	0.42	4.88	34.3	120	5.67	0.11	0.48	2.25	198.0	1.9	6	4.94	54.4
537		2.16	<0.005	0.46	5.11	40.8	190	7.74	0.10	1.30	2.27	195.5	2.1	6	4.84	125.5
538		2.41	0.007	0.49	4.94	92.5	130	8.67	0.10	1.21	2.49	199.0	2.1	5	5.00	95.9
538B		2.33	<0.005	0.05	5.77	2.6	50	5.76	0.09	0.78	2.42	112.5	0.4	8	1.01	84.0
539		2.17	<0.005	0.15	5.65	1.2	110	3.81	0.16	2.92	0.64	190.5	1.5	3	17.65	3.5
540		2.26	<0.005	0.33	6.63	4.6	80	8.78	0.47	2.83	1.93	264	15.0	23	1.63	8.5
541		2.37	<0.005	0.37	5.53	4.8	90	7.06	0.48	1.22	1.54	280	8.6	17	2.28	25.4
542		2.38	<0.005	0.31	4.83	2.5	60	10.40	0.33	0.88	0.52	427	0.9	9	1.86	19.1
543		2.41	<0.005	0.39	4.70	2.3	80	11.35	0.36	0.34	0.43	447	0.7	7	2.03	8.5
544		2.36	<0.005	0.27	6.40	5.6	170	9.34	0.44	0.56	0.24	311	4.5	23	13.85	23.7
545		2.45	<0.005	0.14	6.89	12.8	210	4.47	0.23	1.95	0.42	123.5	17.7	54	13.45	24.4
546		2.80	<0.005	0.13	6.66	6.8	210	4.29	0.21	2.78	0.31	107.5	17.0	51	10.30	41.9
547		2.29	<0.005	0.27	7.15	5.9	440	4.82	0.21	3.88	1.01	82.0	30.9	53	3.81	38.7
548		2.37	<0.005	0.17	7.51	6.2	310	3.09	0.02	5.62	1.92	85.7	41.5	57	1.65	6.4
549		2.08	<0.005	0.16	5.09	6.2	50	6.89	0.28	1.77	0.96	204	1.3	9	1.49	15.2
550		<0.02	NSS													
551		2.41	<0.005	0.02	5.01	5.5	80	3.02	0.12	4.94	0.18	81.4	8.0	43	0.27	0.5
552		2.58	<0.005	0.22	7.24	35.1	10	2.19	0.07	6.14	1.07	65.2	32.6	37	1.63	2.3
553		2.82	<0.005	0.11	7.04	20.6	20	2.50	0.07	7.47	0.23	59.2	37.1	35	1.38	7.7
554		2.36	<0.005	0.08	7.82	11.5	20	2.84	0.06	4.38	0.40	63.4	36.3	40	1.68	7.5
555		2.47	<0.005	0.08	6.79	6.4	200	2.36	0.12	4.85	0.28	68.9	31.9	40	1.10	6.0
556		2.50	<0.005	0.03	6.94	17.0	10	3.17	0.07	9.94	0.32	55.0	30.4	30	0.66	3.4
557		2.54	<0.005	0.05	7.45	7.2	20	4.08	0.06	7.12	0.23	60.8	35.9	36	1.49	2.9

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: CELTIC TIGER MINERALS EXPLORATION LTD.
1550, BEDFORD HIGHWAY, SUITE 820
BEDFORD NS B4A 1E6

Finalized Date: 13- DEC- 2011
Account: CELTIG

Project: SHORTLIFF AND WENTWORTH

CERTIFICATE OF ANALYSIS VO11238252

Sample Description	Method Analyte Units LOR	ME- MS61 Fe % 0.01	ME- MS61 Ga ppm 0.05	ME- MS61 Ge ppm 0.05	ME- MS61 Hf ppm 0.1	ME- MS61 In ppm 0.005	ME- MS61 K % 0.01	ME- MS61 La ppm 0.5	ME- MS61 Li ppm 0.2	ME- MS61 Mg % 0.01	ME- MS61 Mn ppm 5	ME- MS61 Mo ppm 0.05	ME- MS61 Na % 0.01	ME- MS61 Nb ppm 0.1	ME- MS61 Ni ppm 0.2	ME- MS61 P ppm 10
519		3.38	29.6	0.27	22.6	0.144	2.36	53.7	37.1	0.86	624	4.64	2.54	84.0	19.9	440
520		0.99	17.85	0.17	5.1	0.051	2.95	38.6	10.4	0.14	203	0.30	1.02	31.1	1.6	40
521		0.98	16.80	0.21	7.2	0.040	4.86	46.9	8.6	0.09	162	2.87	1.10	34.8	1.7	50
522		1.21	20.0	0.26	6.7	0.050	5.00	46.4	11.6	0.14	211	4.09	0.90	37.8	2.3	110
523		1.06	19.65	0.25	7.9	0.061	5.50	46.5	8.0	0.08	133	1.49	0.96	38.1	0.2	40
524		1.09	20.1	0.24	7.7	0.059	5.24	59.3	8.1	0.06	126	2.35	1.05	40.5	0.4	40
525																
526		1.01	16.40	0.21	6.9	0.050	5.75	50.6	7.6	0.06	133	1.94	0.55	38.2	0.3	30
527		0.97	20.0	0.23	7.1	0.062	5.79	44.4	8.8	0.07	131	2.75	0.16	38.1	0.2	40
528		1.23	18.20	0.22	7.1	0.084	5.68	53.7	12.8	0.10	194	0.61	0.31	37.9	1.6	50
529		1.24	17.35	0.12	6.9	0.054	5.41	42.8	11.5	0.12	230	1.63	0.46	39.2	1.8	50
530		1.12	18.35	0.14	7.0	0.054	4.94	43.5	7.7	0.05	195	1.99	0.95	39.3	0.5	20
531		5.10	25.6	0.13	4.9	0.101	1.61	34.2	47.2	1.42	1090	0.97	2.65	26.8	18.0	870
532		1.18	18.60	0.14	7.5	0.058	4.46	47.1	8.7	0.13	182	1.83	1.69	40.3	0.6	40
533		1.25	20.0	0.15	8.0	0.056	5.09	52.6	11.2	0.17	239	0.96	1.59	43.0	0.6	30
534		2.18	20.7	0.20	28.0	0.197	4.23	80.7	13.3	0.14	244	83.6	0.79	99.0	0.8	30
535		2.17	32.4	0.19	30.3	0.219	3.88	85.9	11.0	0.11	179	2.98	0.58	107.5	0.3	20
536		2.27	33.4	0.19	30.7	0.189	4.06	92.9	8.1	0.08	108	7.65	0.38	107.0	<0.2	20
537		2.28	34.0	0.19	31.4	0.201	4.17	85.1	8.6	0.08	107	5.69	0.43	111.0	<0.2	20
538		2.65	33.7	0.19	32.8	0.190	3.98	85.8	8.5	0.09	111	7.80	0.43	114.5	0.2	20
538B		1.06	20.8	0.13	15.3	0.121	2.92	43.4	6.7	0.02	194	0.75	2.65	98.5	0.3	10
539		3.23	29.2	0.16	22.7	0.286	3.83	69.3	5.6	0.12	2700	3.22	2.91	79.7	<0.2	110
540		6.21	47.0	0.19	22.9	0.191	2.14	110.0	36.1	0.97	1280	1.27	2.17	98.6	10.7	970
541		4.12	33.3	0.20	33.1	0.207	3.44	116.5	33.7	0.64	736	1.98	1.39	115.0	10.0	320
542		3.75	27.0	0.25	47.4	0.236	3.55	178.0	11.6	0.13	678	0.45	1.17	161.5	0.5	30
543		3.95	27.7	0.27	49.7	0.225	3.77	185.0	14.8	0.14	675	2.35	0.89	165.5	0.4	40
544		3.73	41.0	0.18	32.3	0.199	2.60	131.0	59.1	0.80	482	0.28	1.30	118.5	10.7	130
545		4.82	22.2	0.14	9.4	0.096	2.32	54.9	62.3	1.53	898	0.65	1.69	38.9	31.5	670
546		4.77	23.0	0.13	9.9	0.105	1.93	47.4	60.0	1.44	1120	1.00	1.67	35.8	28.6	520
547		7.61	24.3	0.16	12.7	0.125	2.76	31.4	65.6	2.23	1670	0.56	2.03	72.3	34.6	1580
548		10.60	23.0	0.16	5.8	0.117	1.18	33.6	102.0	3.37	3180	1.07	2.09	30.5	47.2	4630
549		2.24	24.7	0.17	30.0	0.214	3.47	77.7	14.0	0.05	437	3.13	1.89	107.5	0.4	40
550																
551		2.42	15.65	0.08	6.4	0.048	0.63	35.3	13.3	0.59	1120	0.18	1.61	21.5	18.1	370
552		9.37	26.0	0.13	5.1	0.116	0.05	26.0	66.0	1.63	1620	15.55	1.99	20.4	13.1	2140
553		9.75	26.1	0.17	5.7	0.118	0.04	27.4	57.2	1.94	1850	4.25	1.87	18.6	16.9	2140
554		10.50	27.7	0.20	5.1	0.128	0.05	27.7	65.0	1.70	1520	3.67	2.49	19.4	17.9	2250
555		8.99	24.4	0.20	6.2	0.113	0.50	30.9	49.8	1.49	1660	8.07	1.27	19.2	20.0	1750
556		8.54	28.3	0.19	5.2	0.120	0.12	25.7	40.6	1.45	1940	0.71	0.97	17.1	15.5	1800
557		10.50	27.9	0.22	5.7	0.110	0.04	28.1	60.3	2.32	2050	4.38	1.31	18.6	16.9	2340

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: CELTIC TIGER MINERALS EXPLORATION LTD.
1550, BEDFORD HIGHWAY, SUITE 820
BEDFORD NS B4A 1E6

Finalized Date: 13- DEC- 2011
Account: CELTIG

Project: SHORTLIFF AND WENTWORTH

CERTIFICATE OF ANALYSIS VO11238252

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Tl	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
519		98.6	175.5	<0.002	0.04	0.76	7.9	6	10.4	91.1	5.33	0.08	18.4	0.377	1.34	5.0
520		168.5	199.5	<0.002	<0.01	0.55	2.1	5	4.1	75.3	1.67	0.09	15.0	0.064	1.46	5.9
521		359	280	0.002	0.01	0.97	2.4	1	3.7	75.4	2.33	<0.05	19.2	0.070	2.00	4.0
522		128.0	294	0.003	0.01	1.17	3.4	4	3.9	79.5	2.13	0.05	18.2	0.113	1.93	3.9
523		530	348	0.003	0.02	0.91	2.1	5	4.3	57.5	2.55	0.07	19.4	0.055	2.36	4.2
524		365	351	0.004	0.02	1.30	2.2	2	4.5	56.1	2.54	<0.05	24.1	0.055	2.28	5.2
525																
526		222	367	0.005	0.04	1.27	2.0	4	4.2	64.0	2.29	0.05	21.0	0.051	2.81	4.6
527		545	393	<0.002	0.03	1.36	2.0	4	4.9	55.7	2.33	0.05	18.7	0.051	2.87	3.9
528		142.0	378	<0.002	<0.01	1.07	2.8	5	5.4	67.7	2.27	0.07	19.9	0.079	2.99	4.6
529		187.5	272	0.003	0.03	0.88	2.7	1	4.8	75.9	2.45	<0.05	21.9	0.084	2.57	4.8
530		120.0	282	<0.002	0.01	1.07	2.4	1	4.8	47.5	2.48	<0.05	23.2	0.057	2.11	4.9
531		283	99.6	<0.002	0.02	1.23	22.3	1	6.7	131.0	1.73	<0.05	11.3	0.841	0.82	2.7
532		47.2	217	0.005	0.04	0.71	2.7	1	4.9	82.3	2.65	<0.05	23.3	0.068	1.51	4.7
533		30.3	268	0.003	0.01	0.81	2.5	1	6.1	102.0	2.80	<0.05	25.3	0.061	1.82	5.8
534		311	246	0.003	0.66	1.53	0.6	2	11.6	42.2	5.77	0.10	25.6	0.114	1.92	4.8
535		564	287	0.002	1.16	2.66	0.6	2	14.2	50.2	6.65	0.07	24.9	0.109	1.00	5.3
536		331	304	0.002	1.54	3.19	0.5	2	14.5	30.6	6.93	<0.05	26.5	0.111	1.07	5.4
537		342	310	0.002	1.64	3.86	0.5	2	15.2	33.4	6.91	0.05	26.0	0.113	1.22	4.7
538		419	300	0.002	2.00	7.38	0.5	2	14.6	30.7	6.83	0.06	26.3	0.115	1.14	6.2
538B		306	151.5	<0.002	0.11	1.00	0.2	2	9.6	138.0	6.07	0.05	21.4	0.062	0.72	5.6
539		140.0	172.0	<0.002	0.02	0.52	0.8	1	6.7	50.1	3.88	<0.05	11.2	0.238	0.83	2.9
540		130.0	122.0	0.002	0.19	1.62	16.5	2	11.2	175.5	5.55	0.10	22.7	0.751	0.64	5.4
541		456	201	0.002	0.32	0.70	6.3	2	13.5	66.2	6.72	0.13	30.0	0.383	0.98	7.3
542		160.0	198.5	0.002	0.08	0.64	0.7	2	19.0	77.6	9.58	0.15	54.3	0.123	0.86	11.3
543		119.5	213	0.003	0.05	0.59	0.7	3	19.0	56.4	10.00	0.17	80.2	0.126	0.99	14.6
544		152.0	322	0.002	0.15	1.05	4.4	2	13.6	88.8	6.88	0.09	69.9	0.287	1.13	7.4
545		158.5	237	<0.002	0.22	1.52	14.9	1	4.4	147.0	2.37	0.08	21.9	0.586	1.12	3.0
546		66.0	196.5	<0.002	0.02	2.36	15.4	1	4.5	196.0	2.25	<0.05	29.2	0.632	1.00	2.8
547		283	185.0	<0.002	0.09	1.39	27.5	2	7.9	192.5	4.74	0.06	13.7	1.235	1.06	4.0
548		334	59.0	<0.002	0.28	1.16	31.4	2	1.8	194.0	1.67	0.05	1.4	2.21	0.37	0.4
549		220	185.5	<0.002	0.16	0.73	0.5	2	11.5	70.3	6.13	0.05	19.0	0.131	1.00	4.7
550																
551		27.7	27.7	<0.002	0.01	1.24	7.7	1	2.7	142.5	1.36	<0.05	10.5	0.393	0.15	3.0
552		214	3.1	<0.002	0.44	1.53	41.5	2	2.2	240	1.29	<0.05	3.2	1.980	0.08	0.8
553		60.4	1.9	0.002	0.25	1.71	39.5	3	2.2	300	1.25	<0.05	3.2	1.925	0.07	1.0
554		114.0	2.6	<0.002	0.40	1.16	41.5	3	2.3	225	1.32	<0.05	2.8	2.07	0.07	0.5
555		53.4	21.6	0.002	0.13	1.52	35.4	3	2.5	301	1.45	<0.05	4.8	1.725	0.17	1.3
556		26.9	5.4	0.002	0.11	1.63	34.7	5	2.2	467	1.16	0.07	3.2	1.600	0.03	0.9
557		22.4	2.3	0.004	0.15	1.78	44.4	6	2.2	340	1.30	<0.05	2.8	2.07	0.04	0.6

***** See Appendix Page for comments regarding this certificate *****

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To: CELTIC TIGER MINERALS EXPLORATION LTD.
1550, BEDFORD HIGHWAY, SUITE 820
BEDFORD NS B4A 1E6

Finalized Date: 13- DEC- 2011
Account: CELTIG

Project: SHORTLIFF AND WENTWORTH

CERTIFICATE OF ANALYSIS VO11238252

Sample Description	Method Analyte Units LOR	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5
519		60	1.8	125.5	260	>500
520		7	0.5	40.4	37	109.0
521		7	0.7	49.5	27	149.5
522		15	1.0	54.1	38	160.5
523		4	0.6	56.7	41	160.0
524		3	0.8	60.7	50	169.0
525						
526		5	0.9	50.9	64	160.0
527		5	0.6	50.4	39	152.5
528		8	0.9	58.6	62	157.0
529		10	0.6	56.7	49	147.0
530		3	0.6	56.4	34	148.5
531		152	2.0	49.8	199	156.0
532		8	0.5	62.3	63	156.0
533		6	0.4	68.4	47	170.0
534		4	0.7	169.0	677	>500
535		3	1.1	178.5	341	>500
536		1	0.8	168.0	421	>500
537		2	0.8	185.0	363	>500
538		2	0.9	210	447	>500
538B		3	0.5	121.0	728	362
539		1	0.8	76.6	230	>500
540		97	2.0	139.0	737	>500
541		44	1.4	171.0	537	>500
542		11	1.0	248	211	>500
543		8	1.5	287	196	>500
544		28	1.2	190.0	195	>500
545		102	1.1	63.3	230	434
546		113	1.2	59.8	184	409
547		226	2.0	95.2	437	336
548		322	1.2	43.2	746	264
549		5	0.5	134.5	309	>500
550						
551		47	0.8	39.8	91	232
552		386	3.4	41.8	406	228
553		385	3.3	41.8	209	214
554		408	2.7	40.7	253	150.0
555		324	3.2	41.1	209	226
556		367	2.9	37.5	164	187.0
557		449	3.8	40.0	207	142.5

***** See Appendix Page for comments regarding this certificate *****

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BEDFORD NS B4A 1E6

Finalized Date: 13- DEC- 2011
Account: CELTIG

Project: SHORTLIFF AND WENTWORTH

CERTIFICATE OF ANALYSIS VO11238252

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
558		2.76	<0.005	0.26	6.28	17.1	510	4.52	0.12	1.93	0.86	134.5	21.4	31	4.22	14.6
559		2.54	<0.005	0.14	6.93	11.7	400	4.35	0.12	2.81	0.54	127.5	26.4	71	8.27	33.7
560		1.94	<0.005	0.18	5.62	16.1	130	9.82	0.41	0.36	2.98	304	2.7	11	12.15	12.3
561		2.25	<0.005	0.15	5.25	4.4	130	10.50	0.20	0.36	0.77	186.5	5.3	25	11.45	11.7
562		2.17	<0.005	0.16	5.68	16.7	150	10.85	0.20	0.40	0.46	129.5	9.2	43	14.90	13.1
563		2.32	<0.005	0.22	5.89	8.1	140	9.85	0.19	0.34	0.40	149.0	7.7	35	14.75	10.7
564		2.24	<0.005	0.22	4.96	13.3	240	6.99	0.39	0.25	0.68	209	4.0	11	7.14	7.5
565		2.25	<0.005	0.49	5.43	18.1	100	9.56	0.85	0.34	2.77	352	2.7	10	7.82	27.1
566		2.10	<0.005	0.49	5.25	28.4	200	8.99	0.29	0.33	1.62	356	2.0	8	4.12	32.3
567		2.37	<0.005	0.54	5.70	23.4	360	5.09	0.07	0.98	6.80	236	6.4	11	3.31	21.4
568		2.31	<0.005	0.39	8.60	10.3	1580	1.51	0.01	6.95	1.69	35.6	38.7	134	10.25	58.1
569		2.33	<0.005	0.41	6.28	11.4	180	6.36	0.14	0.59	1.11	239	1.5	7	3.11	15.6
570		2.02	<0.005	0.34	5.56	13.4	70	7.63	0.11	0.61	1.18	205	1.3	11	2.88	35.2
571		1.75	<0.005	0.34	5.42	15.0	80	7.44	0.19	0.67	1.08	210	1.1	7	2.43	30.6
572		2.19	<0.005	0.47	5.54	41.2	170	4.84	0.15	0.96	1.91	189.0	4.9	20	4.28	27.2
573		1.99	<0.005	0.44	5.47	54.3	130	5.35	0.16	1.00	1.43	189.5	6.5	14	4.23	23.7
574		1.94	<0.005	0.96	5.31	98.7	50	5.85	0.18	0.57	19.05	204	1.7	16	2.22	198.5
575		<0.02	NSS													
576		1.94	0.005	1.61	6.08	49.6	30	8.86	0.90	0.21	2.92	263	1.2	7	4.42	66.2
577		1.72	<0.005	0.92	4.69	6.0	110	5.19	0.47	1.52	5.36	214	1.5	14	1.64	35.0
578		1.93	<0.005	0.78	4.85	48.0	50	5.92	0.20	0.17	2.87	228	0.7	14	2.56	36.1
579		1.89	<0.005	0.79	4.99	44.4	50	5.47	0.21	0.15	1.53	243	0.6	10	2.65	32.0
580		2.09	<0.005	0.58	5.05	35.8	40	6.14	0.20	0.16	1.17	241	0.6	8	2.64	22.7
581		2.10	<0.005	0.53	5.13	74.3	100	5.79	0.25	1.33	1.57	228	2.2	13	1.63	15.3
582		2.09	<0.005	0.26	5.40	6.7	40	6.12	0.17	0.24	0.42	266	0.9	7	1.49	15.7
583		2.30	<0.005	0.31	5.31	4.8	40	7.62	0.15	0.59	0.47	268	0.6	8	1.42	5.8
584		2.41	<0.005	0.32	5.01	17.6	50	5.46	0.19	0.64	1.55	260	1.4	8	1.32	97.6
585		2.00	0.006	0.48	5.20	21.1	70	6.03	0.26	0.41	1.35	289	1.6	10	1.29	21.3

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: CELTIC TIGER MINERALS EXPLORATION LTD.
1550, BEDFORD HIGHWAY, SUITE 820
BEDFORD NS B4A 1E6

Finalized Date: 13- DEC- 2011
Account: CELTIG

Project: SHORTLIFF AND WENTWORTH

CERTIFICATE OF ANALYSIS VO11238252

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
558		7.04	22.7	0.17	11.4	0.138	2.35	60.9	55.4	1.06	1630	3.88	1.39	42.3	13.3	1330
559		6.02	25.4	0.14	13.2	0.132	1.88	55.5	92.9	2.47	1380	1.02	1.62	45.3	47.5	780
560		3.71	34.4	0.19	34.2	0.237	2.92	130.0	33.2	0.48	360	1.74	0.07	121.0	5.7	140
561		2.98	27.6	0.17	19.7	0.145	2.65	90.1	38.6	0.59	507	0.69	0.05	65.6	15.2	160
562		3.92	25.0	0.17	10.8	0.096	2.92	58.0	29.8	0.54	406	0.62	0.05	38.2	21.8	230
563		3.30	30.4	0.16	12.6	0.115	3.06	68.4	26.9	0.48	331	2.95	0.05	47.5	17.6	170
564		3.18	31.2	0.18	19.9	0.139	2.85	98.8	17.6	0.33	272	4.81	0.05	68.6	9.2	140
565		4.01	41.3	0.52	34.3	0.230	2.91	171.5	21.5	0.28	532	4.49	0.08	122.0	9.6	160
566		3.74	33.1	0.52	34.2	0.234	4.43	165.5	21.1	0.16	496	4.16	0.19	120.5	3.2	90
567		4.47	31.5	0.39	20.0	0.196	4.81	111.5	31.5	0.66	629	10.20	0.43	80.8	4.4	120
568		7.98	22.4	0.16	4.1	0.086	2.49	15.7	86.9	3.25	2870	0.95	1.70	13.4	36.8	1070
569		3.38	43.1	0.38	24.3	0.229	5.01	110.0	29.2	0.22	363	13.15	0.70	79.2	1.7	70
570		3.05	30.2	0.34	22.0	0.185	4.12	94.8	15.4	0.16	298	7.61	1.27	76.4	1.1	50
571		2.97	27.8	0.37	21.9	0.163	4.49	101.5	12.3	0.12	280	5.58	1.25	74.5	1.0	40
572		3.70	33.4	0.35	19.1	0.173	3.60	85.5	31.5	0.50	610	6.86	1.23	62.2	5.4	170
573		3.84	33.6	0.37	20.1	0.173	4.03	88.4	26.3	0.41	609	3.30	1.23	68.4	3.9	260
574		4.00	27.7	0.33	22.8	0.210	4.84	88.6	13.4	0.12	326	8.91	1.00	76.3	1.3	50
575																
576		3.23	49.1	0.42	28.4	0.273	2.75	122.0	11.8	0.13	210	143.5	2.05	89.8	0.9	20
577		3.27	30.8	0.37	21.7	0.175	3.98	109.5	29.2	0.19	510	110.5	0.21	63.8	1.0	100
578		3.19	29.2	0.37	24.5	0.180	5.27	113.5	18.0	0.14	404	56.6	0.11	79.8	1.1	30
579		2.93	29.1	0.39	25.6	0.175	5.30	118.0	13.7	0.12	378	50.0	0.19	81.5	1.0	30
580		2.99	31.8	0.39	24.7	0.179	4.86	114.0	14.5	0.12	376	42.3	0.35	81.9	0.7	20
581		3.11	26.9	0.39	24.4	0.192	3.87	109.0	20.3	0.18	425	27.4	1.35	80.0	1.8	60
582		2.81	32.7	0.45	25.3	0.192	3.92	125.5	15.1	0.10	657	1.57	1.56	87.2	0.7	20
583		3.09	33.2	0.47	24.6	0.240	3.57	127.0	10.0	0.09	721	0.47	1.68	88.8	0.7	30
584		2.94	26.3	0.44	28.4	0.171	3.34	123.0	16.4	0.14	463	0.85	1.53	88.9	1.3	30
585		3.27	28.3	0.48	32.0	0.200	3.29	135.5	15.0	0.17	522	3.21	1.60	105.5	2.0	50

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: CELTIC TIGER MINERALS EXPLORATION LTD.
1550, BEDFORD HIGHWAY, SUITE 820
BEDFORD NS B4A 1E6

Finalized Date: 13- DEC- 2011
Account: CELTIG

Project: SHORTLIFF AND WENTWORTH

CERTIFICATE OF ANALYSIS VO11238252

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Tl	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
558		142.5	165.5	0.002	3.33	1.31	26.7	2	5.3	132.0	2.68	<0.05	9.8	1.270	0.85	2.7
559		74.8	164.5	<0.002	0.20	0.77	20.5	2	5.3	176.0	2.76	<0.05	9.7	0.721	0.69	2.6
560		138.0	313	<0.002	2.73	1.65	3.0	2	14.0	23.8	7.01	0.08	27.5	0.253	1.04	6.2
561		80.9	278	<0.002	1.68	0.79	5.7	2	7.6	18.1	4.01	0.05	17.9	0.292	0.95	5.0
562		69.6	301	<0.002	3.07	1.33	8.5	1	4.6	18.6	2.34	<0.05	14.0	0.411	1.01	3.0
563		49.3	313	<0.002	2.62	1.63	6.8	1	5.9	17.2	2.92	0.05	15.8	0.351	1.08	2.9
564		72.7	262	<0.002	2.78	2.24	2.5	1	8.4	21.9	4.35	0.08	22.4	0.196	0.99	3.9
565		137.5	315	0.002	3.02	2.33	3.0	7	14.8	23.6	7.40	0.13	34.8	0.192	1.29	5.6
566		186.0	277	0.002	1.81	0.93	2.3	6	14.6	56.7	7.89	0.11	34.5	0.166	1.44	5.3
567		145.5	273	0.002	1.76	1.13	2.4	5	8.9	191.5	5.26	0.08	21.4	0.216	1.68	3.7
568		273	218	<0.002	0.21	0.53	38.7	3	1.4	391	0.86	<0.05	2.6	1.110	1.73	0.6
569		258	274	0.002	0.74	0.84	1.4	5	12.5	67.7	5.27	0.08	22.9	0.184	1.32	5.2
570		212	225	0.002	1.82	0.97	1.2	4	8.9	34.4	4.84	0.09	20.5	0.177	1.17	3.9
571		205	245	<0.002	1.98	1.06	0.9	4	8.8	31.3	4.83	0.10	20.6	0.168	1.39	4.2
572		367	203	<0.002	1.29	2.01	5.4	4	7.9	76.0	4.15	0.15	18.6	0.278	1.31	3.6
573		180.5	233	0.002	1.61	2.04	6.7	4	8.1	52.9	4.26	0.22	18.1	0.391	1.48	5.0
574		843	265	<0.002	2.84	4.01	1.0	5	8.7	25.3	4.76	0.23	22.2	0.164	1.76	4.6
575																
576		310	210	0.006	2.61	1.88	1.1	5	18.0	23.6	5.78	0.31	26.8	0.179	1.89	5.2
577		376	207	0.012	0.21	0.90	1.6	6	9.8	189.0	4.17	0.17	19.6	0.153	1.41	4.5
578		212	309	0.004	1.66	1.42	0.9	5	8.8	31.6	5.19	0.23	23.3	0.156	2.22	4.5
579		378	313	0.004	1.53	1.51	0.9	5	9.0	27.0	5.42	0.19	24.3	0.160	2.12	4.6
580		130.5	292	0.003	1.49	1.25	0.9	5	9.2	24.0	5.42	0.20	23.8	0.163	1.89	4.5
581		130.5	221	0.004	1.17	1.41	1.4	5	9.6	45.8	5.12	0.18	22.7	0.167	1.47	4.4
582		115.5	228	0.002	0.41	0.33	1.0	5	11.1	24.6	5.88	0.11	23.5	0.168	1.22	4.0
583		40.5	210	0.002	0.08	0.66	1.1	5	11.6	49.5	5.83	0.09	24.7	0.156	1.13	3.5
584		167.5	189.5	0.002	0.93	0.67	1.5	5	10.0	33.0	5.97	0.15	26.4	0.145	1.20	5.0
585		172.5	188.0	0.003	0.94	0.60	2.1	6	13.4	45.6	6.86	0.25	34.1	0.154	1.09	6.5

***** See Appendix Page for comments regarding this certificate *****

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To: CELTIC TIGER MINERALS EXPLORATION LTD.
1550, BEDFORD HIGHWAY, SUITE 820
BEDFORD NS B4A 1E6

Finalized Date: 13- DEC- 2011
Account: CELTIG

Project: SHORTLIFF AND WENTWORTH

CERTIFICATE OF ANALYSIS VO11238252

Sample Description	Method Analyte Units LOR	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5
558		254	3.0	74.2	262	>500
559		147	0.9	74.2	246	>500
560		22	0.8	202	740	>500
561		34	1.0	130.5	221	>500
562		52	1.2	84.0	172	478
563		44	1.3	81.0	145	>500
564		27	0.9	127.5	243	>500
565		17	0.9	198.5	721	>500
566		19	0.7	183.0	464	>500
567		28	1.3	110.0	1920	>500
568		260	0.6	29.7	702	164.0
569		20	1.0	123.5	367	>500
570		11	0.8	105.0	346	>500
571		8	0.9	105.0	315	>500
572		44	3.0	94.0	599	>500
573		51	4.1	102.0	453	>500
574		6	1.9	108.5	4740	>500
575						
576		18	1.5	134.0	772	>500
577		26	1.2	120.0	1980	>500
578		10	1.3	125.0	696	>500
579		10	1.1	125.5	391	>500
580		8	0.9	123.5	327	>500
581		12	1.1	121.0	496	>500
582		5	1.2	131.0	164	>500
583		4	1.4	136.5	165	>500
584		9	1.2	140.5	469	>500
585		10	1.0	166.0	500	>500

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BEDFORD NS B4A 1E6

Finalized Date: 13- DEC- 2011
Account: CELTIG

Project: SHORTLIFF AND WENTWORTH

CERTIFICATE OF ANALYSIS VO11238252

Method	CERTIFICATE COMMENTS
ALL METHODS	NSS is non- sufficient sample.
ME- MS61	REE's may not be totally soluble in this method.

NOVA SCOTIA
Natural Resources

Map 11E/11B
Refs.

Form 10 - Statement of Assessment Work Expenditure

(pursuant to the *Mineral Resources Act*, S.N.S. 1990, c. 18, s. 43(1))

(Complete as necessary to substantiate the total claimed.)
Re: Licence No. 7220 Date of issue March 22, 2011

	Type of Work		Amount Spent
1.	Prospecting	____ days	
2.	Geological mapping	____ days	
3.	Trenching/stripping/refilling	____ m^2 / ____ m^3	
4.	Assaying & whole rock analysis	77 #	3200.00
5.	Other laboratory	____ #	
6.	Grid:		
	(a) Line cutting	____ km	
	(b) Picket setting	____ km	
	(c) Flagging	____ km	
7.	Geophysical surveys **Airborne:**		
	(a) EM/VLF	____ km	
	(b) Mag or Grad	____ km	
	(c) Radiometric	____ km	
	(d) Combination	____ km	
	(e) Other ____	____ km	
8.	Geophysical surveys **Ground:**		
	(a) EM/VLF	____ km	
	(b) Seismic soundings	____ #	
	(c) Magnetic/telluric	____ km	
	(d) IP/resistivity	____ km	
	(e) Gravity	____ km	
	(f) Other ____	____ km	
9.	Geochemical surveys	ENRMPT MAR22'12 13:14	
	(a) Lake, stream, spring		
	(i) Water	____ samples	
	(ii) Sediments	____ samples	
	(b) (i) Rock	____ samples	
	(ii) Core	____ samples	
	(iii) Chips	____ samples	
	(c) (i) Soil	____ samples	
	(ii) Overburden	____ samples	
	(d) Gas	____ samples	
	(e) Biogeochemistry	____ samples	
	(f) Sample collection	____ days	
	(g) Other ____	____	
10.	Drilling:		
	(a) Diamond (# holes/m)	2 / 445 m	51991.00
	(b) Percussion (# holes/m)	____ / ____ m	
	(c) Rotary (# holes/m)	____ / ____ m	
	(d) Auger (# holes/m)	____ / ____ m	
	(e) Reverse circulation (# holes/m)	____ / ____ m	
	(f) Logging, supervision, etc.	12 days	26267.00
	(g) Sealing (# holes)	2 #	
11.	Other (describe)		
	Drill Site Preparation, Travel Costs		27109.00
	Subtotal		108,566.00
Overhead costs			
12.	Secretarial services		
13.	Drafting services		
14.	Office expenses (rent, heat, light, etc.)		
15.	Field supplies		
16.	Compensation paid to landowners		2300.00
17.	Legal fees		
18.	Other (describe)		
	Subtotal		
	Grand total		110,866.00

List the names of the persons who conducted the work reported in the previous table and the dates during which the work was performed.

Name	Address	Dates Worked
Lyndon Jensen	984 Perrier Drive, New Minas NS	October 2011
Curran Jensen	984 Perrier Drive, New Minas NS	October 2011
Matthew Goodwin	RR1, Tusket NS	October 2011
Micheal Doucette	P.O. Box 27, Tusket NS	October 2011
Matthew Zago	1430 Goods Road, Thunder Bay ON	March 2011

I hereby certify that the information in this form is true and correct, that it has not before been submitted for assessment work credit and that it is the total of all work conducted on the licence during the past licensed year.

As VP Exploration I am duly authorized to make this certification.
(position in company or licensee)

Dated at Dartmouth in the Province of NS. on 22 March, 2012

Name and address of licensee: CELTIC TIGER MINERALS EXPLORATION INC
17 MURDOCK MACKAY COURT, SUITE 201 B, LOWER SACKVILLE, NS B4C 4G3

Signature

For further information, contact the Registrar of Mineral and Petroleum Titles at 1-902-424-4068.