EL07032
Assessment Work Report
Somerset Gold District
Humps Hill
Lunenburg County, Nova Scotia

2011 Exploration

Prepared by Ken Hiltz

15 Cambridge Court
Stillwater Lake
Nova Scotia
B3Z 1G2

November 2011

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1 Summary

The program consisted of searching for quartz veins and float by extensive traversing of the claim by compass bearing and via a survey line. A number quartz veins were located and two instances of float. Three veins were sampled and assayed for Au as was one of the quartz float. Only one sample was slightly positive.

2 Introduction

The Somerset Gold District is an un-proclaimed gold district that has several areas of extensive old workings but no record of any gold production. None of the old workings are on this claim. The claim is just east of a large drumlin, Humps Hill, which sits on top of the Indian Path Antcline.

This claim was part of a large area explored by Seabright Resources in 1987 and 1988 when they did extensive reconnaissance soil and till sampling plus soil and till sampling on two grids one of which took in the area of this claim. This claim had soil assays as high as 722 ppb Au and till assays as high as 624 ppb Au in 1987. And a reconnaissance soil assay in 2008 in the same general area was (203 ppb).

The aim this year was to identify quartz veins and float on the claim and determine if there was gold in the quartz.

3 Location and Access

The property is located approximately 90 km southwest of Halifax and about three km east of Sommerset(Figure 1). Road access to the property is good from Halifax via 103 highway then Crousetown exit to Somerset Road; a distance of about 120 km. The licence area can be reached by 4 wheel drive to within about 300 meters by a logging road off the Somerset road.

4 Licence Tabulation

EL 07032 is held by Ken Hiltz. Exploration Licence details are at Table 1.

Table 1 – Exploration Licence Details

EL	NTS Sheet	Tracts	Claims	Date of Issue
07032	21A2D	73	L	29 November 2006

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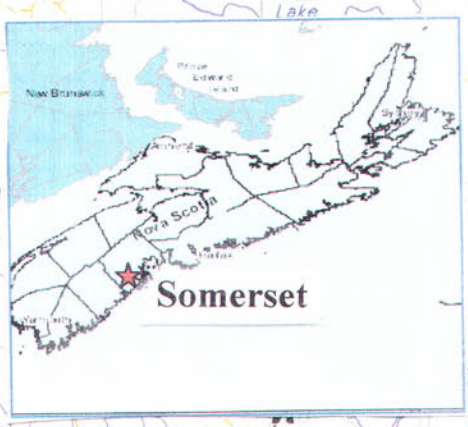


NAD83/UTM20

0 1000m

374000E

4896000N

EL07032

Somerset

Middlewood

Danesville

Manthorn Lake

Hell Lake

Island Lake

Brown Lake

Humphs Hill

Hirtle Mill Pond

Hirtle Brook

Rocky Lake

Voglers Lake

Duck Pond

Dolliver Lake

Conrad Lake

Voglers Brook

Caholon Brook

Parks Brook

Parks Hill

County Line

LUNENBURG DISTRICT MUNICIPALITY

QUEENS REGIONAL MUNICIPALITY

LUNENBURG COUNTY

QUEENS COUNTY

Birch Island

Northwest Bay

East Port Medway

Voglers Cove

Indian Bay

Hog Hill

Cherry Hill

Bark Island

Calf Point

Halfway Rocks

Cattle Island

Clam Island

Thrum Cap

Wagner Point

Mattie Island

Big Cat Island

Little Cat I

Privateer C

Long Point

Whynacht I

Dog Ledge

Fosters Islands

Dog Island

Timber Island

Bass Island

Mosher Cove

Indian Point

Medway Harbour

Hell Ba

Cooper

Beach Cove

Canoe Island

Port

Mill Brook

Smith Brook

Fox Ck

Only Hill Creek

LIGHTHOUSE ROUTE

331

103

EL07032
Somerset Gold District
Nova Scotia
Location Plan
Scale 1:50,000
November 2011 Figure 1

5 Quartz Float and Vein Survey and Sampling

5.1 Methodgy

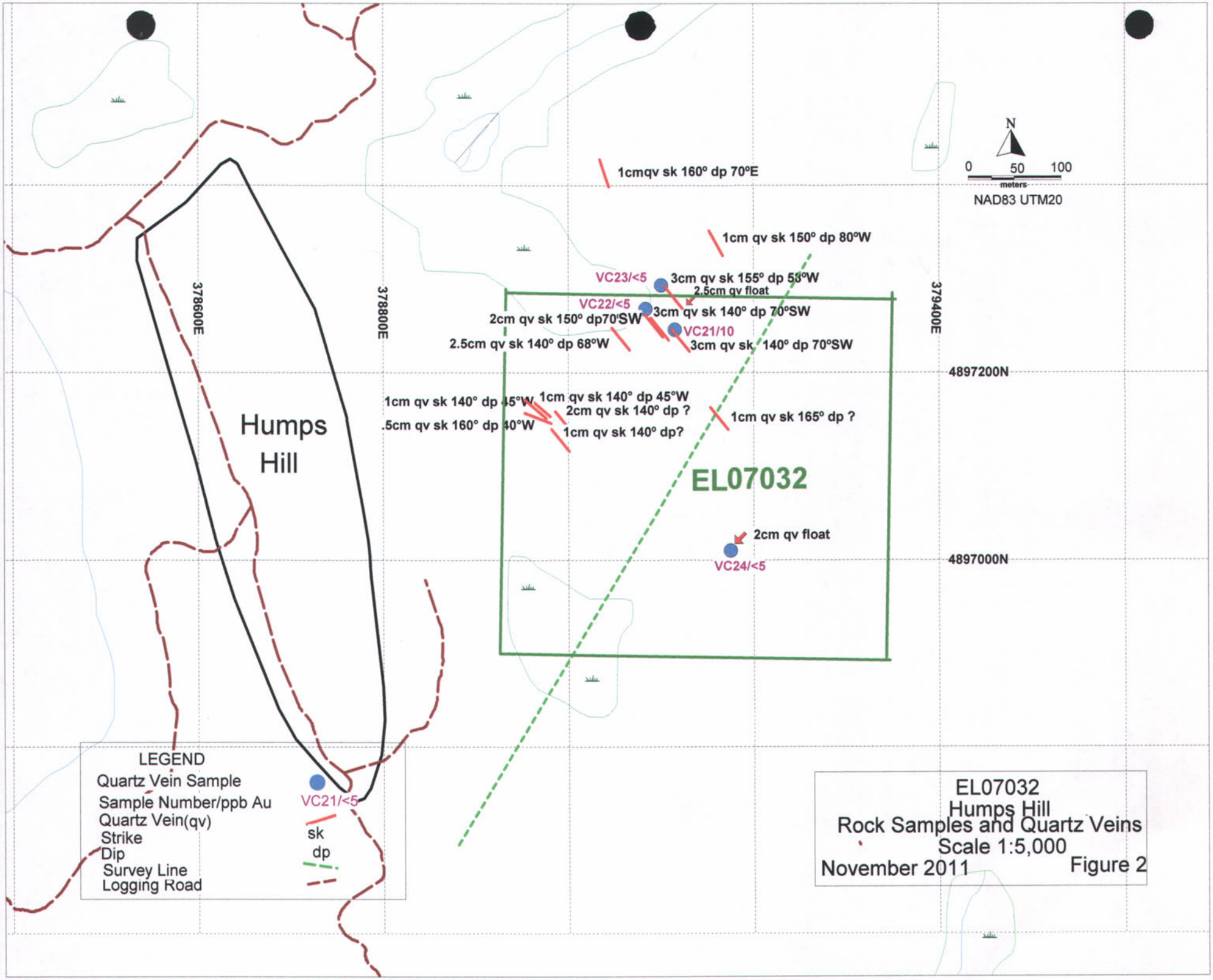
The exploration area was extensively traversed by compass bearing and via a survey line passing through the claim. The aim was to find quartz veins and float and to try and find the source of gold in the till and soil discovered in previous exploration.

5.2 Samples

Sampling was done with a 1.5 Kg rock hammer with sample weigh averaging about 1 Kg. Samples were taken from three quartz veins and from one quartz float for assay at Dalhousie University (Appendix 1 and 2). Sample locations, sources, weights and dates are recorded at appendix 3.

5.3 Results

Thirteen quartz veins and quartz float in two locations were discovered. Locations of quartz veins, float and samples taken are illustrated at figure 2. Only one assay was above the lower limit of <5 ppb and it was quite low at 10 ppb. See appendix 2 and 3.


N
0 50 100
meters
NAD83 UTM20
1cmqv sk 160° dp 70°E
1cm qv sk 150° dp 80°W
VC23/<5
3cm qv sk 155° dp 53°W
2.5cm qv float
VC22/<5
3cm qv sk 140° dp 70°SW
2cm qv sk 150° dp70°SW
VC21/10
2.5cm qv sk 140° dp 68°W
3cm qv sk 140° dp 70°SW
1cm qv sk 140° dp 45°W
1cm qv sk 140° dp 45°W
2cm qv sk 140° dp ?
.5cm qv sk 160° dp 40°W
1cm qv sk 140° dp?
1cm qv sk 165° dp ?
EL07032
2cm qv float
VC24/<5
378600E
378800E
379400E
4897200N
4897000N
Humps Hill
LEGEND
Quartz Vein Sample
Sample Number/ppb Au
Quartz Vein(qv)
Strike
Dip
Survey Line
Logging Road
VC21/<5
sk
dp
EL07032
Humps Hill
Rock Samples and Quartz Veins
Scale 1:5,000
November 2011
Figure 2

6 Conclusions and Recommendations for Further Exploration

This is one more example of extensive quartz veining in the Somerset Gold District and considering the high level of ground cover it is very likely many were not found.

Trenching and drilling should be considered to try and find the source of the high till and soil assays.

BIBLIOGRAPHY

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Natural Resources Basic Prospecting Course
Natural Resources Advanced Prospecting Course

Appendix 1

Analytical Method

DALHOUSIE UNIVERSITY
Inspiring Minds

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G.H. Murray Bldg. Rm. G101
Halifax, Nova Scotia
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Fire Assay Procedure – Gold

Sample Decomposition: Fire Assay Fusion
Analytical Method: Atomic Absorption Spectroscopy (AAS), Inductively Coupled Plasma Optical Emission Spectroscopy (ICPOES)

A prepared sample is fused with a neutral lead oxide flux inquartered with 4 mg of gold-free silver and then cupelled to yield a precious metal bead. The bead is digested for one hour in 1.0ml of dilute nitric acid. Hydrochloric acid (1.0ml) is then added and the solution is digested for an additional hour. The digested solution is then cooled, diluted to 6.0 ml with double distilled water, mixed and then analyzed by AAS or ICPOES.

Certified reference samples from CANMET, West Coast Minerals, or Rocklabs are analyzed with each batch. In addition, duplicate check analysis and method blank analysis are also run with the samples. A CRM sample is inserted with every batch of 20 samples.

Au detection limit is 0.005 ppm, or 5 ppb, on a 30g sample.

DALHOUSIE UNIVERSITY
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Sample Preparation of Rocks and Core

Samples undergo multiple stage crushing (minus 10.0 mm) with jaw crushers. For rock and core samples requiring gold analysis, samples may be crushed to <3mm using a BICO face plate pulverizer. Crushed samples are riffle split to 200-250 grams, then pulverized with a ring and puck pulverizer (Spex Industries Inc. Shatterbox) to approximately 100% passing 0.15 mm or 75% passing 0.075mm. Equipment is cleaned with jets of air and silica sand between samples.

Appendix 2

Assay Certificates

DALHOUSIE UNIVERSITY
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13-May-11

K. Hiltz
15 Cambridge Court
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Re: Results of analysis on submitted rock samples.
Au analysis using fire assay, lead collection, AAS finish.

Sample	Au (mg/kg)
VC-21	0.010
VC-22	<0.005
VC-23	<0.005
VC-24	<0.005
P133	0.017
P134	0.039
P135	0.046

Certified Reference Samples:	Au (mg/kg)	Recommended Value
OXG70	1.012	1.007±0.013
OXC72	0.203	0.205±0.003

Digitally signed by
Daniel Chevalier
Date: 2011.05.13
10:55:25 -03'00'

Daniel Chevalier, MASc
Manager, Minerals Engineering Centre

Appendix 3

Sample Data

Sample	Prospect	EL	NAD83North	NAD83East	Sample Method/Source	Au ppb	Date Taken	Prospector	Sample Description	Weight Kg	Assay Method	Au Lab	Au Lab Report
VC21	Somerset	EL07032	4897254	379107	Rock Chip/Outcrop	10	2-May-11	Ken Hiltz	25% GW, 75% l. gy fe stained qv	1.15	Fire Asay	Dalhousie	13-May-11
VC22	Somerset	EL07032	4897260	379087	Rock Chip/Outcrop	<5	2-May-11	Ken Hiltz	l. gy qv	1.08	Fire Asay	Dalhousie	13-May-11
VC23	Somerset	EL07032	4897290	379099	Rock Chip/Outcrop	<5	2-May-11	Ken Hiltz	l. gy qv	1.35	Fire Asay	Dalhousie	13-May-11
VC24	Somerset	EL07032	4897025	379175	Rock Chip/Outcrop	<5	2-May-11	Ken Hiltz	10% GW, 80% l. gy qv	0.755	Fire Asay	Dalhousie	13-May-11

Colour	Abbrev.	Mineral	Abbrev.
black	blk	pyrrhotite	po.
blue	bl.	pyrite	py.
grey	gy	arsenopyrite	ap.
green	gn	spalerite	Sp.
yellow	y.	galena	gl.
brown	br.	chalcopyrite	cp.
Structure		carbonate	ca
breccia	b	ankerite	ak
shear(ed)	sh	sericite	se.
fault(ed)	fl	siliceous	si.
contact	cn	General	
foliation	fn.	strike	sk
cleavage	cv.	dip	dp

Rock	Abbrev.
greywacke	GW
argillite	AR
siltstone	zt
claystone	ct
quartz veln	qv
graphite	Gr.
mica	mi
muscovite	mu

Number	Meaning
1	trace
2	weak
3	moderate
4	strong
5	intense

Adjective	Abbrev.
light	l.
dark	dk
strongly	str.
moderately	mod.
weakly	Weak.
altered	alt.
Sed. Feature	
bedded	bdd
bouma	bm
laminated	lm
cross-bedded	x-bdd

NOVA SCOTIA
Natural Resources

Map 21A2D
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. ELO7032 Date of issue 29 Nov , 2006

	Type of Work		Amount Spent
1.	~~Prospecting~~ Survey & Sample Collection	1 days	$275.00
2.	~~Geological mapping~~ Report Preparation & surveys	1 days	$275.00
3.	Trenching/stripping/refilling	___ m^2 / ___ m^3	
4.	Assaying & whole rock analysis	4X23.50 #	$94.00
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:**	DNRMPT NOV01 '11 11:02	
	(a) EM/VLF	___ km	
	(b) Seismic soundings	___ #	
	(c) Magnetic/telluric	___ km	
	(d) IP/resistivity	___ km	
	(e) Gravity	___ km	
	(f) Other ___	___ km	
9.	Geochemical surveys		
	(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)	___ / ___ m	
	(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.	___ days	
	(g) Sealing (# holes)	___ #	
11.	Other (describe) Mileage 244Km at 50¢ per Km		$122.00
	Subtotal		766.00
Overhead costs			
12.	Secretarial services		
13.	Drafting services		
14.	Office expenses (rent, heat, light, etc.) ✓		
15.	Field supplies ✓		
16.	Compensation paid to landowners		
17.	Legal fees		
18.	Other (describe) 10%		76.66
	Subtotal		
	Grand total		842.50

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
Ken Kitty	15 Cambridge Court Hatchwater Lake Nova Scotia B3Z 1G2	2 May 2011 5 May 2011 15 June 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 Licensee I am duly authorized to make this certification.
(position in company or licensee)

Dated at Halifax in the Province of NS on 7 Nov, 2011

Name and address of licensee: Ken Kitty
as above

Signature KKitty

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