

AR 2006 - 162

Elk Exploration Ltd

Debert Lake Project

Snare Lake Bog

Colchester County

Nova Scotia

11E/11B

Assessment Report

Exploration License No. 06287

By

Lindsay John Allen

September 15, 2006

DUPLICATE AVAILABLE

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WNS

1.0 Summary

Ground around Big Snare Lake was prospected, looking for mineralized rock and geological features. Samples of representative rocks showing mineralization were collected for multi-element assay.

Results were generally disappointing, with no new information of any significance being revealed.

Basic prospecting and mapping of roads was done along some newly extended and upgraded logging roads.

A UTM NAD83 virtual grid was installed and calibrated over the claim block.

2.0 Location and Access

The property is located to the northeast of Folly Lake, in Colchester Co. N.S., close to the Cumberland/Colchester County line. (please see Map 1, 2 & 3).

The claim block surrounds Big Snare Lake, just to the west of Debert Lake.

UTM NAD83 coordinates.

The property is best accessed from Highway 246 which is to the north of the claim block. From Highway 4 (Old Trans Canada Hwy), turn east onto Hwy 246 and travel 4.7 km to 04 61 204E 50 52 542N. Turn south onto a good logging road and follow this road in a generally southerly direction.

At 04 62 925E 50 50 429N a road joins from the northeast, but continue in a southerly direction.

At 04 63 409E 50 49 909N a road joins from the east, and the main road continues generally south.

The east road gives access to lands to the north and east side of Debert Lake.

The south road, if followed in a generally south / southeast direction at any road junctions, runs between Big Snare Lake and Debert Lake, with two good westerly trending side roads giving access to Big Snare Lake/Snare Lake Bog area.

Follow the south / south easterly road to 04 64 010E 50 48 446N, where a road joins from the west, giving access to the north and west of Big Snare Lake.

By continuing on the south / south easterly road to 04 64 741E 50 47 286N, you will find another road from the west that gives access to the south of Big Snare Lake.

Please see Map 3.

3.0 Licence Tabulation EL 06287, Year of Issue-2005

The property consists of 22 claims held under Exploration Licence 06287, in the name of Lindsay John Allen, Elk Exploration Ltd, as follows:

<u>Claims</u>	<u>Tract</u>	<u>Claim Ref. Map</u>
FGH JKL OP	62 ✓	11E 11B
CDEF M	63 ✓	11E 11B
BC FG JKL PQ	83 ✓	11E 11B

4.0 Previous Work

1981-84 GSC/NSDME Stream Sediment Survey (OFM 86-10) which shows anomalous metals in stream sediments.

From 1976-1981 Gulf Minerals Ltd carried out extensive exploration work for uranium in the property and surrounding terrains in the eastern Cobequid Mountains. This work consisted of geological mapping, multi-element soil sampling, airborne gamma ray spectrometer surveys, ground gamma ray spectrometer work, VLF-EM magnetometer surveys, trenching and drilling.

In 2004 Cobequid Gold Corporation Ltd did stream sediment sampling and reviewed existing drill core, looking for potential epithermal gold-silver deposits.

5.0 General Geology and Minerology

The claim block is mainly underlain by rocks of the middle Devonian age Byers Brook Formation (Fountain Lake Group) which consists of flow-layered rhyolite, basalt, and minor tuffaceous, clastic rocks. The base of this formation is defined as the contact with the Hart Lake-Byers Lake granite, which is found on the southern part of the claim block. Also present are granodiorite/diorite intrusions, and minor wacke/siltstone beds are reported. The environment of deposition was probably subaerial with continuous volcanic activity.

6.0 Purpose of Work

Previous work reports and maps, in the vicinity of the claim block, were studied. Prospecting and assaying of selected rocks was performed to see if areas of increased metal content could be found.

7.0 Work Performed

During the period September 20, 2005 – September 8, 2006 previous work reports, maps and aerial photos, in the vicinity of the claim block, were studied.

1:10,000 scale base maps were drawn, and data was plotted onto base maps. A hand-held GPS was used to record all locations.

Two days were spent mapping and prospecting new logging roads in the area to define best access points to areas of interest.

Prospecting and rock sampling, particularly any rock that showed increased mineralization, was done to the north, west and south of Big Snare Lake.

Samples of representative rocks (outcrop where possible, or large float) showing mineralization were collected for multi-element assay. Rock outcrop types were noted and logged where observed, but no attempt was made to map them in detail, as glacial till covers most of the area.

Rocks were assayed by Quantitative Trace Element Analysis for 35 elements.

A UTM NAD83 virtual GPS grid was installed and calibrated over the claim block.

Access was gained by the use of a 4X4 truck, an all terrain vehicle and woods traverses on foot.

Please see **8.0 Results** below, Appendix, and Map 3 for Locations and Results.

8.0 Results of Work.

Please see Appendix for full listing of Locations and Descriptions, also Map 3.

As a generalization, from work conducted in the area, mineralization seems to be most prevalent to the north and east of Big Snare Lake.

Geology observed seems to generally agree with Geology Map 82-9 (Donohoe, 1982), although diorite plugs and intrusions may possibly be a little more prevalent than as mapped.

Mineralized (pyrite) boulders of grey fine grained altered volcanic tuff were found at Locations 3, 4, 6 & 7. These were very easy to locate in the till as they weather to a dark rusty brown. Attempts were made to track these in a southerly direction as glacial dispersion was presumed to be from the south to the north in this area. However, no outcrop, nor increased amounts of boulders, of this type could be found to the south. Some similar boulders were found just north of these locations, so this may indicate a very local north to south glacial dispersion. Additional work will be done to the north next year.

Mineralization (pyrite) was also found at Location 12, to the southeast of the lake. This was in reddish altered granite outcrop that weathers rusty, and may possibly be a dyke of differentiated material. Unfortunately, this sample was misplaced and could not be assayed. It will be re-sampled next year. Other woods traverses conducted around the southeast end of Big Snare Lake showed only un-mineralized granites and tuffs. These outcrops were mapped where seen.

A new logging road, to the west of Snare Lake Bog and running north/south, was mapped and prospected. Along its 2km length it shows outcrops of non mineralized granites and granitic altered tuffs and rhyolites.

Two samples (DL-06-10 + 11) were taken along this road, to see how they compared with other, mineralized samples. Sample 10 (Location 8) did show highest Boron (202ppm) of all samples assayed, but were generally depleted in other elements assayed for.

Mineralized outcrop and large mineralized float that was sampled for assay showed generally poor results, showing only elevated, but not significant, Al, Ca, Fe, K, Mg, Na.

The southern part of the claim block is characterized by whitish/creamy/pinkish/reddish granites of the Hart Lake-Byers Lake pluton. Small outcrops are fairly abundant. These were not inspected in any detail at this time.

Please see Map 3.

9.0 Conclusions and Recommendations

The geological setting is very intriguing, with somewhat ubiquitous pyrite mineralization in altered tuffs, and some rhyolite flows.

Follow up work should be done to locate the source of the mineralized boulders at Locations 3, 4, 6 & 7.

Statement of Qualifications

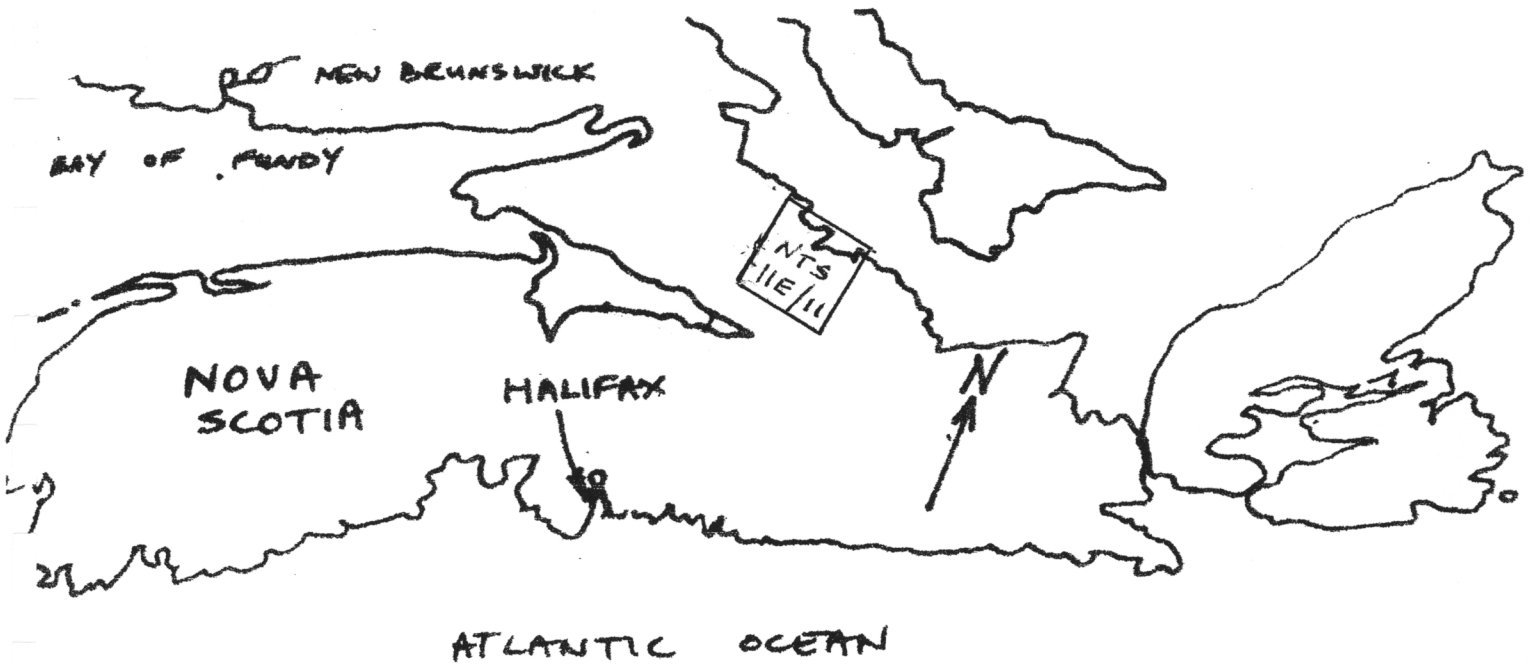
Lindsay John Allen
Elk Exploration Ltd
11 River Rd, Terence Bay River, NS
B3T 1X2

Prospector ID #760

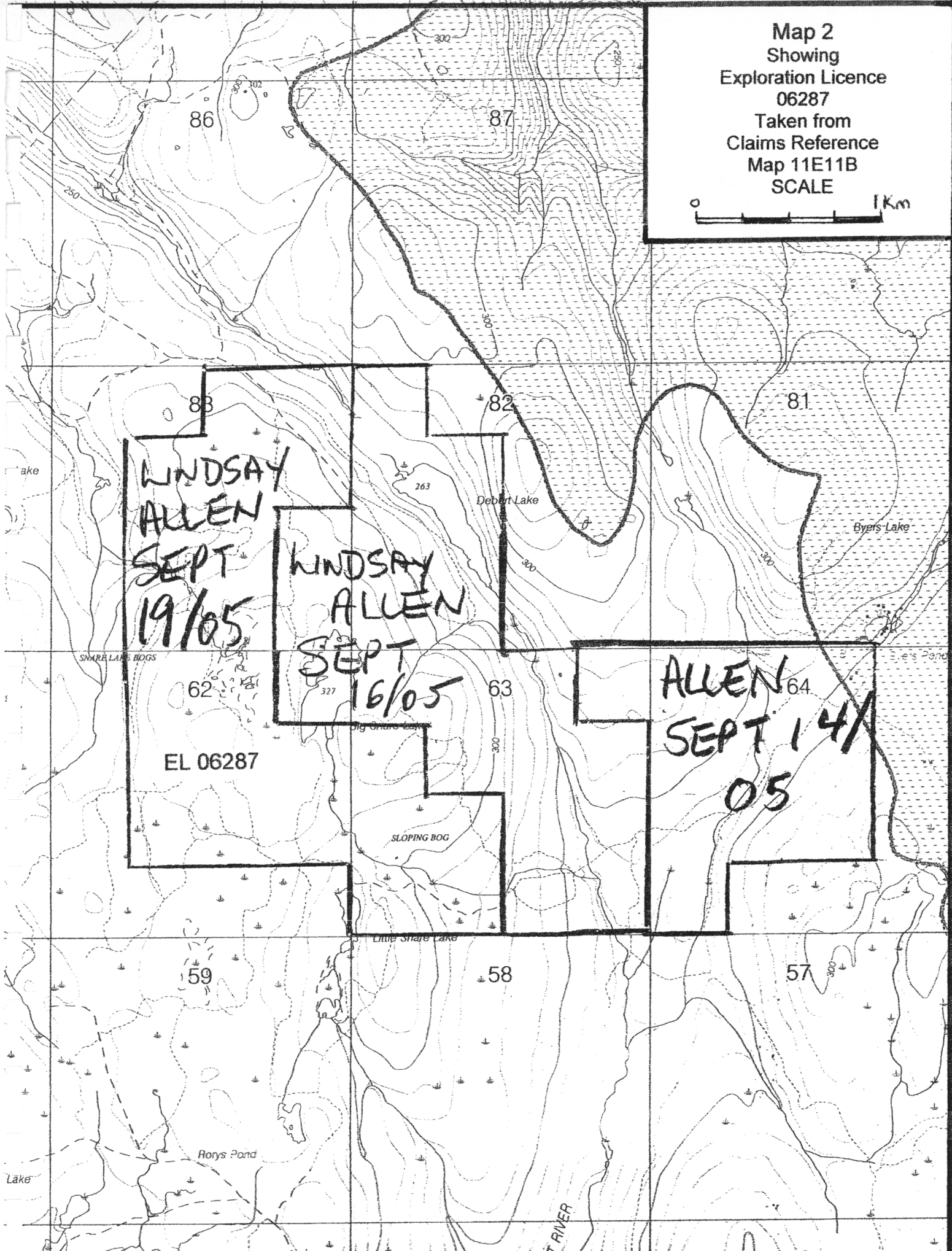
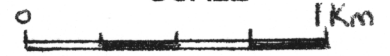
18 years Prospecting Experience
Completed DNR Basic Prospecting Course 1986
Completed DNR Advanced Prospecting Course 1987
DNR Due Diligence Course
Red Cross Emergency First Aid/CPR
Boulder Buster Certification
Inexperienced Miner

APPENDIX

MAP 1
Site Location Map
Global



Map 2
Showing
Exploration Licence
06287
Taken from
Claims Reference
Map 11E11B
SCALE

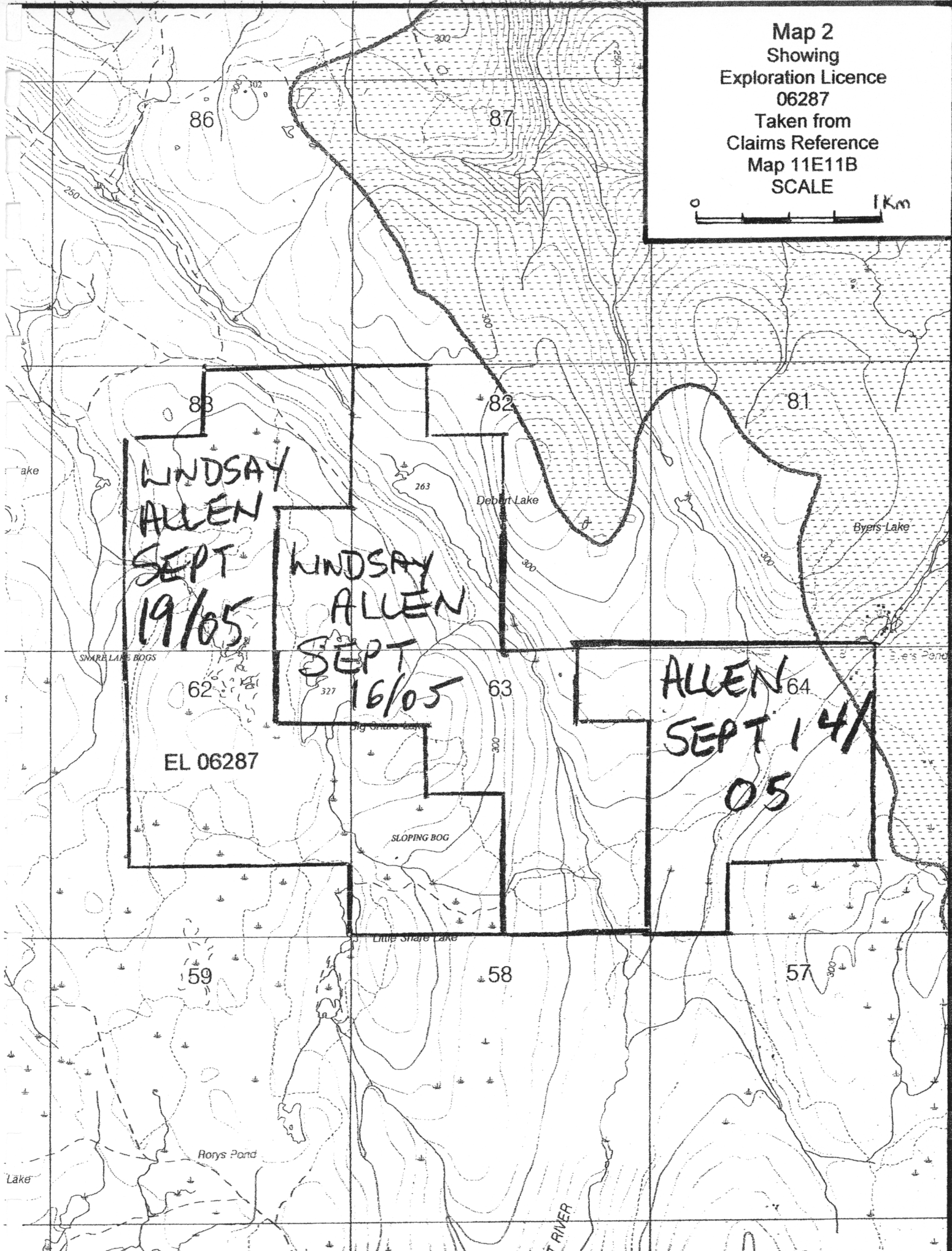


WINDSAY
ALLEN
SEPT
19/05

WINDSAY
ALLEN
SEPT
16/05

ALLEN
SEPT 14/
05

EL 06287



Map 3
Showing
Logging Roads

Contours (Metres) — 300 —

Lakes & Rivers

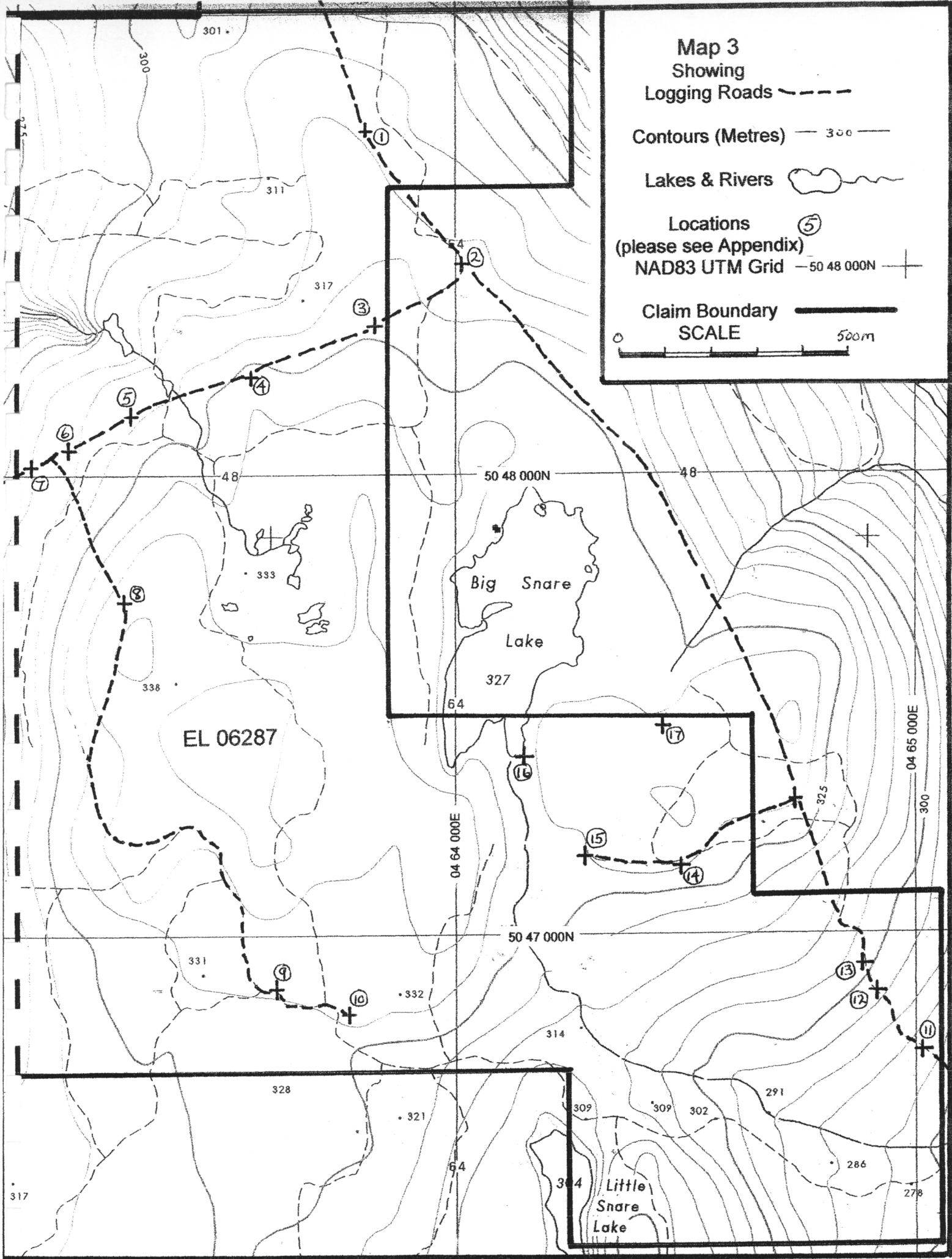
Locations
(please see Appendix)

NAD83 UTM Grid — 50 48 000N

Claim Boundary

SCALE

500m



**UTM Co-ordinates (NAD 83 Datum) and Descriptions
of Points of Interest and Locations – Map 3**

Location Number (Map 3)	UTM Coordinates (NAD 83)	Description
1	04 63 800 E 50 48 739 N	O/crop in road. Black/grey diorite (magnetic – magnetite?) grading into gneiss (light grey+ darker bands) to south. Also altered volcanic tuff.
2	04 64 017 E 50 48 456 N	Just off claim block. Road junction.
3 Sample	04 63 818 E 50 48 324 N	Float in till. Several rounded/sub angular boulders <300mm. Mineralized grey tuff/schist. Weathers rusty light brown. Sample DL- 06-13
4	04 63 552 E 50 48 205 N	South side of logging road. 0.5m well rounded (not local) rusty boulder. Mineralized with pyrite + silicified.
5	04 63 289 E 50 48 117 N	O/crop – weathers to whitish pinkish colour. Fresh surface is pinkish rhyolite trending to granite + black mineralization (hornblende/biotite?)
6	04 63 165 E 50 48 061 N	Zone of rounded/sub angular weathered rusty mineralized (pyrite) cobbles (<100mm) along south side of logging road. Zone extends 25m west, and 40m east. Could not locate o/crop or angular boulders.
7 Sample	04 63 080 E 50 48 015 N	Sub angular boulder (0.75m) of bluish grey tuff. Somewhat schisty, showing minor mineralization. Sample DL- 06-12
8 Sample	04 63 273 E 50 47 717 N	Just east of logging road, cleared area. O/crop of reddish pinkish rhyolite + altered volcanic tuff/granitic showing 'lath' shaped black mineralization. Sample DL - 06-10
9 Sample	04 63 608 E 50 46 884 N	Centre of logging landing area. Rubblecrop of red rhyolite showing some weathered rusty patches. Sample DL - 06-11
10	04 63 764 E 50 46 823 N	End of logging road – ATV trail goes further south/east. Between Location 7 & Location 10 are altered tuffs (50%) and reddish rhyolite (50%) sequences, with the occasional small o/crop of diorite? (dark grey/black colour, non magnetic, may be basalt?)
11	04 65 017 E 50 46 742 N	On main logging road. O/crop of red granite.
12 Sample	04 64 916 E 50 46 866 N	On main logging road. O/crop of reddish altered granite. Possibly a dyke. Weathers rusty. Darker material shows sulfides. Sample misplaced, not assayed.
13	04 64 885 E 50 46 930 N	On main logging road. O/crop of pink granite.
14	04 64 495 E 50 47 149 N	On west logging road. Granite outcrops have some minor rusty gossan. No mineralization seen.
15	04 64 289 E 50 47 164 N	End of west logging road. Reddish to beige granite outcrops show contact with diorite plugs. Granites show some minor rusty gossan. No mineralization seen.
16 Sample	04 64 149 E 50 47 388 N	O/crop on shoreline, south end of Big Snare Lake. White 'granite'. Tuffaceous. Small (1-2mm) black/dark inclusions. Sample DL - 06-15
17	04 64 452E 50 47 449N	O/crop. White tuff. Weathers white. White/creamy on fresh surface. No mineralization seen. From this Location, over to the main logging road to the east, all o/crops seen were of this material.



Quantitative Trace Element Analysis of Rocks, Ores, etc.

(Copper, lead, zinc, nickel, cobalt, bismuth, chromium, lithium, manganese, cadmium, vanadium, antimony, silver, molybdenum, boron, barium, beryllium, calcium, iron, potassium, sodium, phosphorous, sulphur, selenium, silica, tin, strontium, titanium, tungsten, zirconium, & arsenic)

1 gram samples are digested with hydrochloric-nitric-hydrofluoric-perchloric acids. Elements are determined by Flame Atomic Absorption or ICP OES with detection limit of 1 ppm. Some of the refractory elements, such as zirconium, titanium, and chromium, may only be partially extracted. Arsenic can also be determined by atomic absorption/hydride generation method for low detection limit.

Soil and rock samples may also be digested with aqua regia only to partially extract soluble elements (i.e. an aliquot may be taken from the aqua regia leach on gold digestion to be used in base metal determination). On a 10 gram sample, the detection limit is 0.1 ppm base metals. Arsenic detection limit is 1 ppb on a 10 gram sample using the hydride generation atomic absorption technique.

Reference standards from CANMET and NRC Canada are used to check the accuracy of the analysis.



12-Sep-06

Elk Exploration Ltd
11 River Rd.
Terence Bay River, N.S.,
B3T 1X2
Attention: Lindsay Allen

www.minerals.engineering.dal.ca

Tel: 902.494.3955
Fax: 902.494.3506
Email: mec@dal.ca

Re: Results of analysis on submitted samples.

Analyte (mg/Kg)	████████	████████	████████	████████	████████	████████	████████	████████
Ag	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Al	6723	52500	83466	55464	24320	51571	37525	32179
As	10	6	20	13	7	49	245	99
B	14	129	158	106	113	129	81	67
Ba	214	195	75	275	32	33	69	88
Be	6	6	17	5	12	3	2	1
Bi	<3	5	6	<3	<3	<3	<3	<3
Ca	6732	4686	2044	4829	3269	18159	1083	195
Cd	<1	<1	<1	1	<1	2	<5	<5
Co	22	24	32	29	5	35	6	5
Cr	51	45	48	76	9	44	15	16
Cu	23	24	33	64	15	131	70	27
Fe	37321	44712	60257	45311	210988	112265	101034	22806
In	<10	<10	<10	<10	<10	<10	<10	<10
K	15137	14242	8012	16811	4351	22560	37499	47448
Li	30	33	24	47	1	18	11	3
Mg	4836	5170	2741	5973	682	3953	738	318
Mn	1104	2808	3975	1657	725	485	291	230
Mo	3	3	28	4	19	1	<1	9
Na	9776	8563	3599	9508	2633	11537	924	954
Ni	14	23	17	38	1	15	6	4
P	590	901	1960	438	312	952	32	68
Pb	93	82	158	101	40	2539	283	56
S	234	481	928	104	314	104355	90459	11951
Sb	<5	<5	<5	<5	<5	<5	<5	<5
Se	<5	<5	<5	<5	<5	<5	<5	<5
Sn	<25	<25	<25	<25	<25	<25	<25	<25
Sr	74	60	25	73	10	92	19	17
Te	<10	<10	<10	<10	<10	<10	<10	<10
Th	<10	<10	14	<10	<10	<10	18	<10
Ti	7177	5659	3477	5097	1778	10091	1448	1773
Tl	<10	<10	<10	<10	<10	<10	<10	<10
V	99	95	100	90	37	149	13	10
Zn	179	192	238	359	63	297	93	27
Zr	181	156	113	160	24	212	646	549

Analyte (mg/Kg)	██████████	DL-06-10 Rock	DL-06-11 Rock	DL-06-12 Rock	DL-06-13 Rock	██████████	DL-06-15 Rock
Ag	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Al	36889	43134	39975	37112	48111	71297	38097
As	87	9	3	9	34	4	11
B	82	202	112	133	149	182	169
Ba	82	29	107	23	108	484	10
Be	1	8	4	3	2	2	13
Bi	3	3	<3	4	<3	5	6
Ca	156	1000	2235	722	259	465	361
Cd	<5	<1	<1	<1	<1	<1	<1
Co	3	3	4	2	3	11	1
Cr	15	14	12	12	10	16	11
Cu	13	8	29	7	3	17	11
Fe	26848	19624	16526	9532	17498	29705	18994
In	<10	<10	<10	<10	<10	<10	<10
K	7069	34928	35181	34623	47121	50669	33925
Li	4	21	3	14	2	15	74
Mg	402	441	809	2300	527	2459	195
Mn	89	279	168	160	351	119	289
Mo	6	<1	<1	<1	<1	13	<1
Na	920	21256	18784	13298	4956	469	21768
Ni	3	2	2	3	3	4	4
P	54	40	109	36	71	1237	27
Pb	89	11	34	41	44	27	19
S	1804	229	138	152	5870	2486	225
Sb	<5	<5	<5	<5	<5	<5	<5
Se	<5	<5	<5	<5	<5	<5	<5
Sn	<25	<25	<25	<25	<25	<25	<25
Sr	5	4	17	10	23	7	2
Te	<10	<10	<10	<10	<10	<10	<10
Th	15	<10	<10	<10	<10	<10	18
Ti	1488	1165	1505	564	1689	4907	495
Tl	<1	<10	<10	<10	<10	<1	<10
V	10	4	7	6	5	3	1
Zn	63	151	31	41	32	20	211
Zr	491	285	179	163	235	428	321

Daniel Chevalier
Daniel Chevalier
Lab Manager

Bibliography

Base Metals, Cobequid Highlands, Colchester County, Nova Scotia. Report on Geological Mapping, Rock and Soil Geochemical Surveys, a Ground Radiometric Survey, Drilling and Drill Core Chemical Analyses, by Downey, N; Gulf Minerals Canada Limited, Assessment Report ME 11E/12A 07-D-64(01), 1978, 456 page(s), 20 map(s). ISN: 4410

Gold, Silver, Debert Lake, Cumberland and Colchester Counties, Nova Scotia. Report on Prospecting, Rock and Stream Sediment Sampling and Chemical Analyses, and Examination, Sampling and Chemical Analyses of Existing Drill Core [Assessment Work Report Applicable to Exploration Licence No. 04985], by Hudgins, A D, Cobequid Gold Corporation Limited; Mossman, D J, Cobequid Gold Corporation Limited, Assessment Report ME 2004-115, 2004, 36 page(s), 2 map(s). ISN: 20859

GSC/NSDME Mineral Program 1981-84, Stream Sediment Survey, OFM 86-10

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. 06287 Date of issue SEPT 19, 2005

Type of Work		Amount Spent
1. Prospecting	<u>6</u> days	<u>1680</u>
2. Geological mapping	_____ days	
3. Trenching/stripping/refilling	_____ m ² / _____ m ³	
4. Assaying & whole rock analysis	<u>5</u> #	
5. Other laboratory	_____ #	
6. Grid:		
(a) Line cutting	_____ km	<u>750</u>
(b) Picket setting	_____ km	
(c) Flagging	_____ km	
} <u>INSTALL & CALIBRATE GPS VIRTUAL GRID</u>		
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		
(a) Lake, stream, spring		
(i) Water	_____ samples	
(ii) Sediments	_____ samples	
(b) (i) Rock <u>MULTI ELEMENT ASSAY + SAMPLE PREP</u>	<u>5</u> samples	<u>250</u>
(ii) Core	_____ samples	
(iii) Chips	_____ samples	
(c) (i) Soil	_____ samples	
(ii) Overburden	_____ samples	
(d) Gas	_____ samples	
(e) Biogeochemistry	_____ samples	
(f) Sample collection	_____ samples	
(g) Other	<u>1</u> days	<u>280</u>
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) <u>2 NIGHTS HOTEL @ 80 = 160</u> <u>6x25 FIELD TRIPS @ 150 = 900</u> <u>1376 km @ 30 = 41280</u> <u>ATV 2 DAYS @ 60 = 120</u>	<u>160</u> <u>900</u> <u>41280</u> <u>120</u> <u>84280</u>	<u>84280</u>
Subtotal	<u>84280</u>	<u>380280</u>
Overhead costs <u>10% OVERHEAD</u>	<u>38028</u>	<u>38028</u>
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)		
Subtotal		
Grand total		<u>418308</u>

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