2011 Joined Assessment Report for

Licenses 09437 & 09515

Held by Elk Exploration Ltd.

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Renewal Date: Nov. 24th, 2011

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1.0 Summary

Licenses 09437 and 09515 are located on the western limit of a fingered contact between the Rhyolites of the Byers Brook Formation and the overlying basalts of the Diamond Brook Formation. This contact zone has been suspected of being the source of several gold anomalies identified in historic work. Historic work has suggested an epithermal style of Au mineralization.

The 2011 program was targeted towards sourcing these gold anomalies as well as prospecting for rare earth element mineralization as this also exists in the area. Work included rock sampling, stream sediment sampling, and a spectrometer survey.

The spectrometer data was collected on drivable roads and trails throughout the license. Results of the spectrometer survey were generally disappointing as no significant radiometric anomalies were observed.

Sluice samples showed great promise as gold was observed in 5 of 5 sluice locations. Rock XRF results for gold occurred as gold kicks in 2 basaltic rocks as well as one gossanous rock. These results suggest that the Diamond Brook Formation is the source of gold in the Cobequid Highlands.

Results for rare earth element mineralization were generally disappointing.

2.0 Introduction

Licenses 09437 and 09515 are located in the Cobequid Highlands area of Nova Scotia.

Since 1986-87, when Au anomalies were detected in the Northern Nova Scotia Regional Stream Sediment sampling program (OFR 89-007), companies have been trying to source the Au anomalies. The 2011 Elk Exploration work program was focused on this as well.

Rare Earth Element (REE) mineralization has also been discovered in the Cobequid Highlands (MacHattie, 2009), as such the 2011 exploration program was also targeted towards finding REE mineralization.

Prospecting was greatly assisted by the use of two important tools, an Olympus Innovx portable DP-6000 X-ray fluorescence analyzer (XRF) and a Radiation Solutions RS-230 Spectrometer. The XRF was used to analyze rocks and soil samples for Au and REE indicators, while the spectrometer was used to look for elevated radiometrics which are known indicators of REE mineralization (Machattie, 2010). XRF results at this point remain uncorrected due to the lack of a known set of assayed reference samples to analyze and generate XRF correction factors. Due to this, results must be evaluated for anomalies rather than assuming absolute values.

3.0 Location and Access

The licenses are located in Colchester County, Nova Scotia. Access to the property is gained by taking Exit 11 off Highway 104 and proceeding north on Highway #4. Head east at Junction 246 and turn south onto an unnamed dirt road at X=461198, Y=5052543 (UTM:NAD83).

Travel south to south easterly down unnamed good forestry road (about 3.5-4km) to a road junction at to X=0463420E, Y=5049930N. Take the northeasterly forestry road and travel about 2.7km to a road junction X=0465800E, Y=5049000N. Continue on the easterly forestry road that turns to the north and takes you on to the claim group.

License 09437 & 09515 Location Map

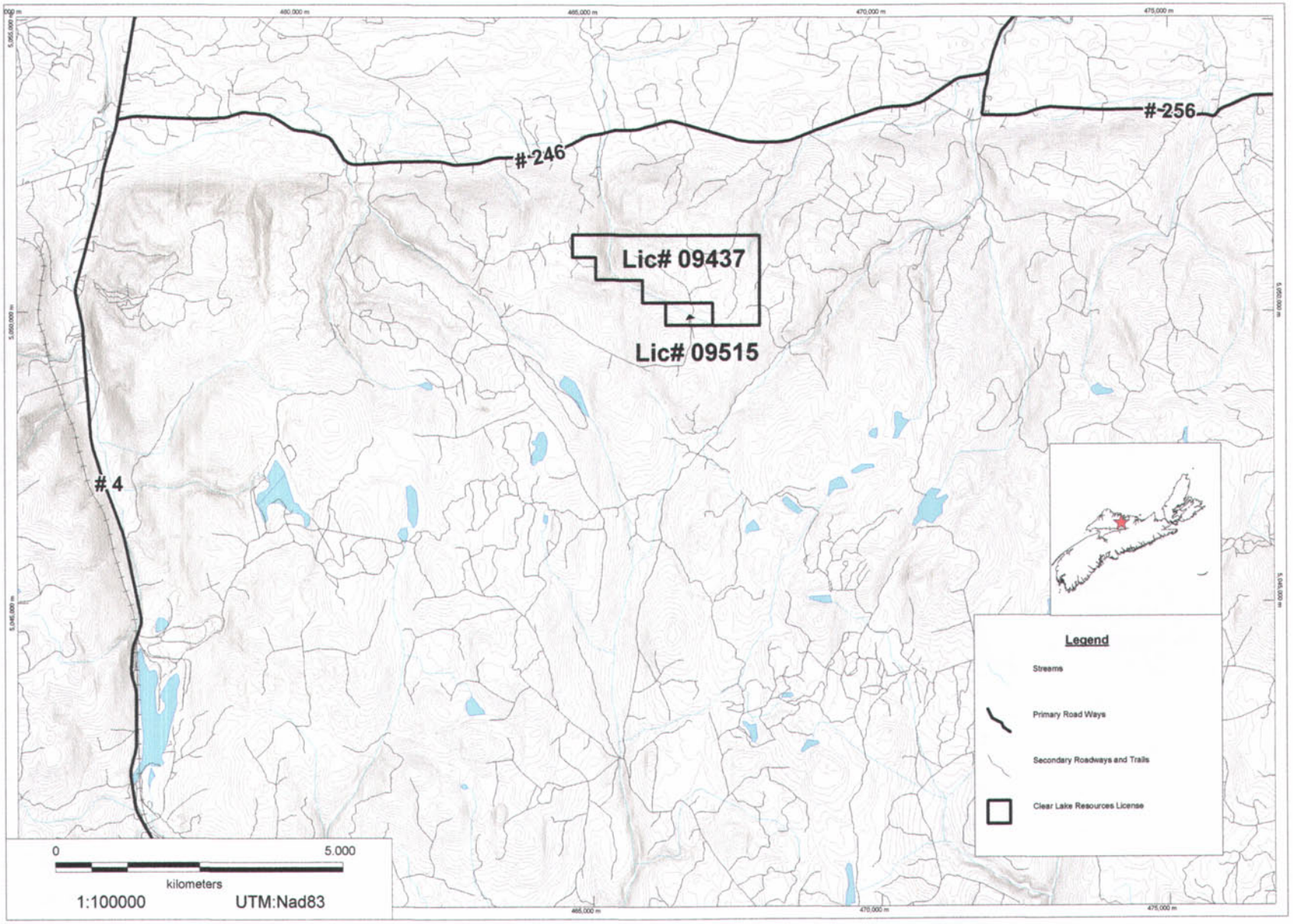

Figure 1

4.0 License Tabulation

License 09437 is composed of 22 claims spread over 6 tracts on NTS map sheet 11E/11B. License 09515 composed of just 2 claims. A detailed breakdown on the tracts and claims can be seen in Table 1 below.

Table 1-09437 & 09515 Claims List

License #	NTS Map Sheet	Tract	Claims	Anniversary Date
09437	11E/11B	87	PQ	11/24/2011
09437	11E/11B	88	HJKLMNOPQ	11/24/2011
09437	11E/11B	89	EMN	11/24/2011
09437	11E/11B	104	D	11/24/2011
09437	11E/11B	105	ABCD	11/24/2011
09437	11E/11B	106	ABC	11/24/2011
09515	11E/11B	88	FG	~~11/24/2011~~ 1/13/2011 J.M.

5.0 Previous Work

Several exploration programs have been conducted in the Cobequids over the years for both base and precious metals as well as for nuclear fuels. Past work was briefly reviewed in conjunction with the production of this report, but a through compilation of historic work should be undertaken.

During the late 1970's Gulf Minerals Canada Ltd. carried out an extensive exploration program for Uranium and base metals in the Cobequid Highlands. Gulf's program included geological mapping, soil and rock sampling, trenching, and drilling. Gulf also carried out ground and airborne gamma ray spectrometry surveys as well as VLF-EM- magnetometer (Downey, 1978). Unfortunately, Gulf's work seems to have been focused to the south of the current licenses .

In 1989 NS Mines and Energy conducted regional stream sediment fines and heavy metal concentrates survey over northern Nova Scotia. Several Au anomalies were reported in the Cobequid Highlands (Mills, 1989).

In 1990 Seabright conducted a regional exploration program focused on epithermal and/or structurally controlled gold mineralization in the Cobequids. Seabright collected 77 stream sediment samples, 196 soil samples and 57 rock samples. Several of which showed positive Au anomalies, hence reinforcing anomalies discovered by Mills in 1989. Seabright suggested that the source of the Au anomalies was in the NW of their property, which is now license 09388.

In 1994 Ecum Secum Enterprises also attempted to source the Au anomalies of Mills, 1989 and Seabright. 30 stream sediment and 33 rock samples were collected. Ecum Secum obtained their best results in alteration zones in rhyolite and cherty sediments along the contact of the Byers Brook Formation and the overlying Diamond Brook Formation (Black, 1994).

In 2004 Cobequid Gold Corporation Ltd. (CGC) once again attempted to source the Au anomalies by prospecting brooks and silt sampling. CGC analyzed the -60 mesh fraction as opposed to the -200 mesh fraction by Seabright and was unable to reproduce Au anomalies. CGC's licenses were east and west of the license 09388, no actual work was completed on the claims comprising current license 09388 (Hudgins, 2004).

6.0 Local and Regional Geology

Regional geology of the area is dominated by four Late Devonian-Early Carboniferous mafic-felsic volcanic and plutonic units as shown in figure 2. This suite of rocks is bound to the north by unconformably overlying late Carboniferous sediments of the Cumberland Basin and to the south by the Rockland Brook fault (RBF) (MacHattie, 2010a). From west to east the units are: the Folly Lake gabbro-diorite (DCd), the Hart Lake-Byers Lake granite (Cg), the Byers Brook Formation (DCB) and the Diamond Brook Formation (DCD-M).

Locally, Licenses 09437 and 09515 are situated in the Byers Brook Formation with a small contact on the Diamond Brook Formation in the east of license 09437.

7.0 Work Performed

Work performed included Au and REE prospecting and stream sediment sample collection. Historic reports were also collected, perused and stored for later thorough compilation.

The first phase of the project was to map and prospect all roads and trails. Road mapping was completed to establish access points to the property. Prospecting was completed by scanning all roads for radiometric anomalies as thorium has been established as an indicator for rare earth mineralization (Machattie, 2010). Scans were completed using a Radiation Solutions RS-230 spectrometer in survey mode. The instrument was mounted at waist height (approximately 1m) on the side of the truck or ATV. The instrument was connected via bluetooth to a Holux-M-241 wireless GPS logger. The instrument was set to record total counts per second readings every 1 sec and a GPS location every 5 seconds, therefore 5 readings were collected for every location. The five results were then downloaded to a computer, averaged and plotted on to a map.

6 rock samples from three locations were also collected during the spectrometer survey. Rocks were analyzed with the Innovx DP-6000 for rare earth element indicators yttrium(Y), niobium (Nb),

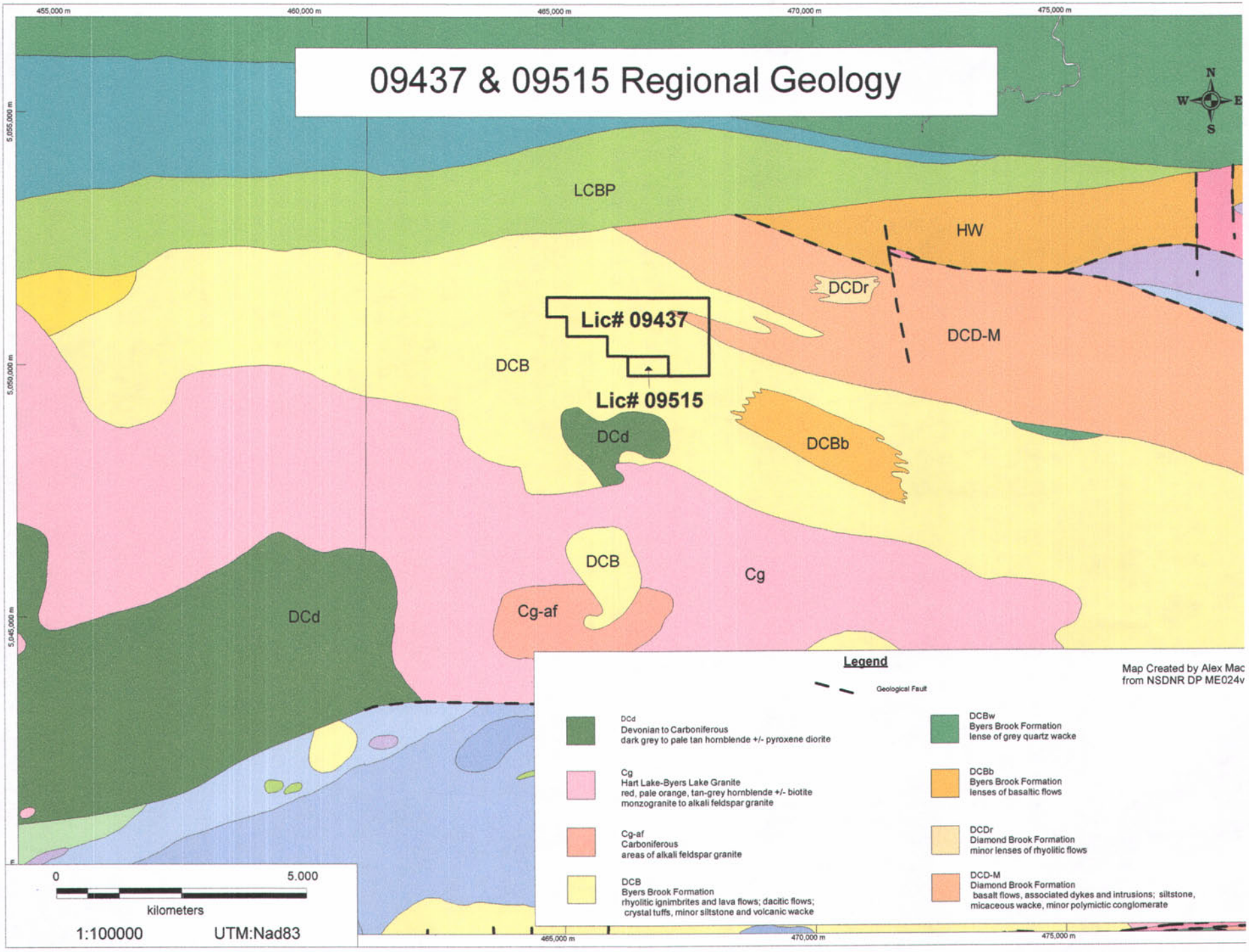
09437 & 09515 Regional Geology
455,000 m
460,000 m
465,000 m
470,000 m
475,000 m
5,055,000 m
5,050,000 m
5,045,000 m
N
W
E
S
LCBP
HW
DCDr
DCD-M
Lic# 09437
Lic# 09515
DCB
DCd
DCBb
Cg
Cg-af
0
5,000
kilometers
1:100000
UTM:Nad83
Legend
Geological Fault
DCd
Devonian to Carboniferous
dark grey to pale tan hornblende +/- pyroxene diorite
Cg
Hart Lake-Byers Lake Granite
red, pale orange, tan-grey hornblende +/- biotite
monzogranite to alkali feldspar granite
Cg-af
Carboniferous
areas of alkali feldspar granite
DCB
Byers Brook Formation
rhyolitic ignimbrites and lava flows; dacitic flows;
crystal tuffs, minor siltstone and volcanic wacke
DCBw
Byers Brook Formation
lense of grey quartz wacke
DCBb
Byers Brook Formation
lenses of basaltic flows
DCDr
Diamond Brook Formation
minor lenses of rhyolitic flows
DCD-M
Diamond Brook Formation
basalt flows, associated dykes and intrusions; siltstone,
micaceous wacke, minor polymictic conglomerate
Map Created by Alex Mac
from NSDNR DP ME024v

Figure 2

zirconium (Zr) and thorium (Th) as well as gold (Au). Samples were collected from sites displaying interesting features such as elevated CPS values, rusty gossan, sulfide or REE style mineralization, or atypical textures were observed. Ideally, this was outcrop but samples were also collected from boulders exhibiting such features. Approximately, 1-2kg of material was collected from each site and is stored for future reference. Notes and GPS locations were recorded at the time of collection. GPS locations were recorded with a Garmin 60CSX GPS receiver (See Appendix B for locations and descriptions). XRF scanning procedure included selecting a fresh face on the sample displaying the interesting feature sought on the sample and analyzing there. The analyzer was set to the 3 beam soil analysis mode for 15 seconds per beam exporting uncorrected ppm values for Y, Zr, Nb, Th, and Au.

The 2nd work phase was to collect heavy mineral concentrates from stream sediments using a Keene Engineering A52 sluice box. In total, 5 sluice samples were collected. Set up procedure included setting sluice box in the river adjacent to a large gravel bar along the river bank. Five natural trap sites were selected from each location and two 2 gallon buckets (20-25lbs/bucket) filled from each of the five traps. Buckets of material were fed through a ¼" screen emptying directly into the sluice. +¼" material was inspected for mineralization and discarded. Upon completion, the sluice box was carefully removed from the river and the concentrated heavy minerals were collected in a five gallon bucket, which was then tagged and transported back to the lab for further processing.

The first step back at the lab was to dry the samples. This was done by putting the samples in an enclosed air tight drying room with a dehumidifier. Samples generally took 3-4 days to dry completely. When the sample was dry, the sample was classified by size fraction. This was accomplished using a Ro-tap testing sieve shaker. Sieve sizes are available in table 2.

Table 2-Sieve Sizes Used

Size	Tyler Equilivalent	US Sieve #
1.7mm	10 mesh	No. 12
1.00mm	16 mesh	No. 18
355µm	42 mesh	No. 45
250µm	60 mesh	No. 60
180µm	80 mesh	No. 80

Figure 3-Sample Test Vial

The 10 mesh sieve was used primarily to remove the coarsest material. +10 and +16 material was inspected and retained for later analysis. Material from size fractions, -16 +42, -42 +60, -60 +80 and -80 was collected and put into 3.5cm diameter plastic vials. Vials were fitted with a thin plastic cover retained by a rubber band (see figure 3). The vials were then analyzed with an Olympus Innovx DP-6000 portable XRF fitted to an Innovx test stand.

Upon completion of XRF analyses samples were inspected for visible gold grains. As there was not enough material from each sample fraction to utilize the Wilfley Table, each fraction was carefully hand panned. The resulting heavies were inspected under a binocular microscope for visible gold grains. Any visible gold was subjected to a 'smear test' which involved crushing and smearing gold grains on the bottom of a hard plastic pan using a dental pick under the microscope. Only gold grains passing this test are included in results.

Figure 4-Portable XRF in test stand

8.0 Results of Work

Results of the spectrometer survey were generally disappointing as no significant radiometric anomalies were found. See tabled results in Appendix A and plotted results on Map 1 in Appendix C.

Gold grain counts provided some interesting results as gold was observed in all 5 sluice samples, highlighting the sluice samples was Station EL-09 where gold was observed in all four size fractions. Also of note is the persistent occurrence of arsenopyrite in the sluice samples. Arsenopyrite may be a good indicator mineral for the style of gold mineralization sought.

XRFing of sluice sample fractions did produce some gold numbers, but unfortunately XRF results did not correlate very well with the results of gold grain counts. See Table 3 for tabled results and see Map 2 in Appendix C for sample locations.

3 of the six rock samples collected kicked for gold when analyzed with the XRF. Of note is the fact that the gold kicks were confined to rocks described as "rusty" and/or "basalt". See tabled rock notes and uncorrected XRF results in Appendix B.

Rock XRF results for rare earth indicators were generally discouraging as only one significant spike was observed for thorium at Station EL-02. See Appendix B for tabled results and Map 2 in Appendix C for plotted results.

Table 3-Au Results by XRF and Gold Grain Counting

Station	Size fraction	Material Notes	Au grains	XRF Au	XRF Au±
EL-08	-16, +42	Black sand + minor black to silvery gold arsenopyrite + pink and red garnet.	none observed	41	19
EL-08	-42, +60	Black sand + minor black to silvery gold arsenopyrite + very minor iron pyrite cubes + pink and red garnet.	none observed	9	16
EL-08	-60, +80	Black sand + very minor black to silvery gold arsenopyrite + pink garnet.	Au 2 flakes.	-9	18
EL-08	-80	Black sand + minor black to silvery gold arsenopyrite.	Au 3 nuggets + 4 flakes	13	19
EL-09	-16, +42	Black sand + very minor black to silvery gold arsenopyrite + very minor iron pyrite cubes.	Au 1 nugget (fairly rounded edges)	-26	13
EL-09	-42, +60	Black sand +very minor black to silvery gold arsenopyrite.	Au 1 nugget (somewhat rounded edges)	-13	12
EL-09	-60, +80	Black sand + very minor black to silvery gold arsenopyrite.	Au 2 nuggets (slightly rounded edges)	-13	13
EL-09	-80	Black sand + minor black to silvery gold arsenopyrite.	Au 1 nugget + 4 flakes	22	20
EL-10	-16, +42	Black sand + very minor black to silvery gold arsenopyrite.	none observed	30	18
EL-10	-42, +60	Black sand +very minor black to silvery gold arsenopyrite.	none observed	25	17
EL-10	-60, +80	Black sand + very minor black to silvery gold arsenopyrite.	none observed	-10	14
EL-10	-80	Black sand + minor black to silvery gold arsenopyrite.	Au 2 nuggets + 1 flake	-7	16
EL-11	-16, +42	Black sand + very minor black to silvery gold arsenopyrite.	none observed	7	18
EL-11	-42, +60	Black sand +very minor black to silvery gold arsenopyrite.	none observed	6	18
EL-11	-60, +80	Black sand + very minor black to silvery gold arsenopyrite.	none observed	12	19
EL-11	-80	Black sand + minor black to silvery gold arsenopyrite.	Au 1 very small flake	-7	18
EL-12	-16, +42	Black sand + very minor black to silvery gold arsenopyrite.	none observed	25	19
EL-12	-42, +60	Black sand +very minor black to silvery gold arsenopyrite.	none observed	22	18
EL-12	-60, +80	Black sand + very minor black to silvery gold arsenopyrite.	none observed	4	18
EL-12	-80	Black sand + minor black to silvery gold arsenopyrite.	Au 2 small flakes	-10	17

*Results Obtained from XRF analysis, presented as uncorrected values

9.0 Conclusions and Recommendations

The 2011 work programs seems to point toward basalt (Diamond Brook Formation) being the source of gold in the Cobequids. As such future work programs for gold should include mapping and heavily sample outcrops of the Diamond Brook Formation occurring on licenses 09437 and 09515.

Even though results for REE's in the 2011 work program were not positive, the area is still in very close to proximity to MacHattie's 2010 REE discovery, therefore regional exploration for REE's should continue. Recommended work would include rock chip sampling as well as a small soil sampling program.

10.0 References

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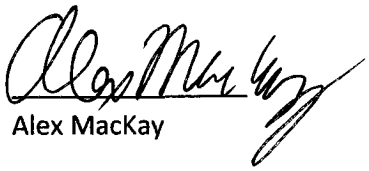
11.0 Statement of Qualifications

I, S. Alex Mackay of Westville, Nova Scotia do hereby swear to be a qualified author for Nova Scotia exploration assessment reports. Qualifications stem from degrees obtained from Dalhousie University of Halifax, Nova Scotia Canada.

-BSc. Earth Science & Physics (2008)

-Dip. of Engineering (2003)

In addition to degree qualifications, I have 3+ years of professional work experience including report writing, as well as Au and REE exploration experience in Nova Scotia and abroad.



Alex MacKay

Appendix A
Spectrometer Survey Results

X	Y	Total 1	Total 2	Total 3	Total 4	Total 5	Average
465738	5050977	217	206	197	208	228	211.2
465863	5050951	241	231	260	237	228	239.4
465852	5050955	254	225	222	220	241	232.4
465843	5050957	224	237	250	212	237	232
465833	5050959	243	227	220	209	238	227.4
465821	5050962	225	211	238	200	219	218.6
465809	5050963	220	195	199	212	194	204
465797	5050966	189	192	235	182	203	200.2
465786	5050967	222	196	220	174	199	202.2
465777	5050967	212	220	242	188	213	215
465765	5050969	222	221	219	213	170	209
465755	5050972	176	187	199	193	208	192.6
465744	5050976	210	240	211	211	187	211.8
465738	5050977	218	232	231	194	215	218
465738	5050977	230	235	240	201	195	220.2
465739	5050977	209	219	204	194	200	205.2
465739	5050977	214	232	208	229	190	214.6
465739	5050977	240	223	225	197	212	219.4
465739	5050977	231	221	232	221	202	221.4
465739	5050977	223	226	202	230	211	218.4
465739	5050977	220	208	217	223	216	216.8
465739	5050977	218	205	194	249	221	217.4
465741	5050977	220	220	219	180	221	212
465742	5050976	229	200	207	229	210	215
465744	5050970	215	230	231	188	257	224.2
465747	5050971	198	221	203	237	221	216
465751	5050971	222	204	205	229	226	217.2
465755	5050969	198	214	238	209	228	217.4
465762	5050967	211	250	227	206	176	214
465771	5050964	197	229	202	197	211	207.2
465782	5050960	202	194	197	188	207	197.6
465794	5050957	211	200	184	196	204	199
465805	5050955	219	211	224	229	225	221.6
465817	5050953	223	212	253	231	260	235.8
465831	5050950	257	210	247	221	248	236.6
465842	5050947	243	240	271	238	243	247
465854	5050948	261	249	246	237	234	245.4
465868	5050943	254	242	235	255	228	242.8
465994	5050908	211	192	215	233	196	209.4
465982	5050917	225	212	217	213	221	217.6
465967	5050922	202	238	250	206	230	225.2
465956	5050928	190	196	163	233	213	199
465943	5050932	221	215	214	203	219	214.4
465933	5050935	225	222	208	252	232	227.8
465921	5050937	211	210	194	204	203	204.4
465910	5050939	183	227	259	255	256	236
465902	5050940	254	258	278	229	262	256.2
465893	5050942	209	232	235	225	228	225.8
465884	5050946	226	229	223	246	233	231.4
465871	5050950	242	237	262	245	245	246.2
465882	5050939	246	228	245	241	233	238.6
465896	5050934	210	210	204	235	199	211.6
465911	5050932	186	208	214	208	197	202.6
465925	5050928	210	221	259	241	222	230.6
465937	5050925	208	188	174	200	175	189
465950	5050920	224	235	261	241	232	238.6
465965	5050913	237	228	246	209	221	228.2
465977	5050907	219	216	180	200	200	203
465991	5050899	210	174	170	194	182	186
466003	5050892	184	182	178	229	202	195
466016	5050888	188	188	241	263	233	222.6
466026	5050884	231	255	243	265	244	247.6
466041	5050876	248	221	228	236	239	234.4
466077	5050866	173	203	224	187	181	193.6
466123	5050831	213	214	184	206	211	205.6
466112	5050842	209	229	221	198	193	210
466102	5050851	222	202	188	200	186	199.6
466090	5050858	203	183	169	178	170	180.6
466065	5050873	239	211	189	224	223	217.2
466053	5050876	244	253	221	215	256	237.8
466041	5050883	264	223	234	244	248	242.6
466029	5050890	223	243	209	177	196	209.6
466017	5050897	202	230	190	198	189	201.8
466006	5050902	166	160	187	231	224	193.6
466051	5050871	217	235	213	188	198	210.2
466063	5050865	200	198	175	169	142	176.8
466076	5050858	152	211	169	223	179	186.8
466089	5050852	226	217	191	217	258	221.8

X	Y	Total 1	Total 2	Total 3	Total 4	Total 5	Average
467297	5050543	258	247	255	257	270	257.4
467297	5050543	278	252	248	263	228	253.8
467297	5050543	242	275	237	247	279	256
467059	5050541	123	162	122	123	109	127.8
467298	5050543	241	253	229	268	240	246.2
467298	5050543	264	236	271	243	249	252.6
467298	5050543	237	265	265	257	266	258
467298	5050543	264	262	221	269	254	254
467298	5050543	266	243	253	221	251	246.8
467298	5050543	242	270	269	263	259	260.6
467298	5050543	249	259	256	282	250	259.2
467298	5050543	238	242	252	252	275	251.8
467298	5050543	270	260	238	252	255	255
467298	5050543	216	228	266	259	251	244
467298	5050543	278	254	277	254	262	265
467298	5050543	258	272	232	261	280	260.6
467298	5050543	267	240	264	243	241	251
467298	5050543	230	277	263	261	241	254.4
467298	5050543	254	249	265	237	261	253.2
467298	5050543	280	230	275	239	262	257.2
467298	5050543	240	268	259	239	279	257
467065	5050545	152	144	147	139	145	145.4
467210	5050534	177	175	173	151	180	171.2
467222	5050541	178	210	204	207	251	210
467234	5050549	205	225	228	241	233	226.4
467246	5050554	220	233	210	209	208	216
467255	5050557	208	161	180	194	204	189.4
467255	5050554	227	221	227	222	179	215.2
467253	5050557	211	197	230	199	191	205.6
467256	5050558	181	206	185	202	179	190.6
467257	5050556	231	208	222	212	199	214.4
467247	5050554	206	201	204	208	211	206
467232	5050548	196	193	182	181	158	182
467219	5050539	199	183	154	149	152	167.4
467282	5050548	261	233	242	226	219	236.2
467289	5050548	284	235	236	242	256	250.6
467280	5050547	217	217	234	216	224	221.6
467295	5050545	274	229	264	260	271	259.6
467295	5050543	234	197	211	248	211	220.2
467290	5050544	221	233	276	235	254	243.8
467284	5050545	234	219	202	195	248	219.6
467297	5050543	257	228	261	214	260	244
467298	5050543	241	269	252	271	244	255.4
467298	5050543	260	237	244	260	273	254.8
467298	5050543	240	265	204	236	273	243.6
467298	5050543	271	255	257	245	263	258.2
467298	5050543	245	221	268	246	232	242.4
467298	5050543	259	237	229	278	250	250.6
467298	5050543	248	258	273	232	239	250
467298	5050543	285	240	260	254	247	257.2
467297	5050543	281	252	251	264	263	262.2
467297	5050543	252	250	274	268	257	260.2
467297	5050543	261	236	274	241	233	249
467297	5050543	266	223	264	260	225	247.6
467297	5050543	257	253	255	247	255	253.4
467297	5050543	239	280	265	249	260	258.6
467297	5050543	283	231	261	246	287	261.6
467297	5050543	282	241	233	235	232	244.6
467297	5050543	280	245	262	235	269	258.2
467297	5050543	262	262	262	250	227	252.6
467297	5050543	248	269	299	245	243	260.8
467297	5050543	240	259	266	250	235	250
467297	5050543	231	302	244	215	260	250.4
467297	5050543	263	247	249	252	251	252.4
467297	5050543	248	254	260	261	282	261
467297	5050543	218	240	262	250	204	234.8
467297	5050543	272	247	271	272	236	259.6
467297	5050543	269	285	244	284	236	263.6
467297	5050543	270	294	275	242	269	270
467297	5050543	261	249	254	232	247	248.6
467297	5050543	268	243	245	263	254	254.6
467297	5050543	265	283	219	237	277	256.2
467298	5050543	267	226	245	279	245	252.4
467298	5050543	258	273	279	250	269	265.8
467298	5050543	277	260	245	261	276	263.8
467298	5050543	233	257	266	253	269	255.6
467298	5050543	238	254	243	257	246	247.6
467298	5050543	244	280	243	229	249	249

466102	5050842	198	196	189	194	197	194.8
466111	5050834	196	212	240	191	222	212.2
466118	5050825	218	189	202	183	184	195.2
466126	5050817	204	221	231	202	219	215.4
466142	5050815	232	246	203	229	230	228
466134	5050822	231	202	206	205	220	212.8
466137	5050810	221	218	197	186	229	210.2
466148	5050803	254	224	238	258	233	241.4
466153	5050804	225	245	240	255	230	239
466149	5050808	242	236	183	218	198	215.4
466153	5050798	201	211	243	246	212	222.6
466153	5050798	235	203	198	227	209	214.4
466153	5050798	225	212	221	231	240	225.8
466154	5050798	189	220	242	255	265	234.2
466154	5050798	214	191	227	220	227	215.8
466154	5050798	220	228	249	218	245	232
466154	5050799	216	217	229	232	228	224.4
466154	5050799	230	234	253	227	214	231.6
466154	5050799	243	201	239	230	257	234
466154	5050799	207	229	230	206	225	219.4
466154	5050798	239	210	222	224	222	223.4
466154	5050798	210	256	245	238	229	235.6
466154	5050798	249	220	232	252	229	236.4
466154	5050798	245	245	228	227	227	234.4
466154	5050798	225	222	237	264	194	228.4
466154	5050798	251	239	250	257	235	246.4
466154	5050798	235	239	235	216	230	231
466154	5050798	223	210	226	230	226	223
466154	5050798	214	226	219	216	213	217.6
466153	5050798	215	217	219	237	189	215.4
466153	5050798	221	224	211	243	225	224.8
466153	5050798	238	225	195	192	218	213.6
466153	5050798	227	233	205	238	233	227.2
466153	5050798	245	217	255	257	242	243.2
466153	5050798	216	206	240	207	249	223.6
466154	5050798	229	230	213	229	220	224.2
466154	5050798	223	240	226	232	232	230.6
466154	5050798	245	208	224	230	219	225.2
466154	5050798	248	213	219	226	228	226.8
466154	5050798	258	231	246	236	225	239.2
466154	5050798	207	210	210	250	212	217.8
466154	5050798	220	214	220	244	230	225.6
466154	5050798	219	215	226	239	180	215.8
466154	5050798	247	222	223	228	217	227.4
466154	5050798	234	213	217	206	261	226.2
466154	5050798	238	235	259	234	218	236.8
466153	5050798	224	246	202	212	240	224.8
466153	5050798	225	217	219	258	215	226.8
466153	5050798	201	224	201	203	218	209.4
466153	5050798	229	247	233	213	228	230
466153	5050798	214	241	205	209	241	222
466153	5050798	226	228	217	232	255	231.6
466153	5050798	212	224	232	247	217	226.4
466154	5050798	221	229	210	223	216	219.8
466154	5050799	249	244	243	224	221	236.2
466154	5050799	238	224	227	228	237	230.8
466154	5050799	235	233	236	262	230	239.2
466154	5050799	210	210	205	249	239	222.6
466154	5050799	240	222	205	249	216	226.4
466154	5050799	240	228	227	241	226	232.4
466154	5050799	246	212	222	245	223	229.6
466154	5050799	223	234	207	216	248	225.6
466154	5050799	227	248	268	222	250	243
466154	5050799	215	223	237	215	217	221.4
466154	5050799	233	218	245	201	225	224.4
466154	5050799	222	241	233	227	239	232.4
466161	5050799	231	263	237	236	265	246.4
466157	5050795	198	221	227	216	220	216.4
466158	5050796	216	211	211	225	228	218.2
466155	5050798	237	268	248	241	247	248.2
466155	5050798	213	239	230	227	242	230.2
466155	5050798	228	239	255	231	200	230.6
466155	5050798	199	224	223	240	237	224.6
466155	5050798	229	219	200	234	234	223.2
466155	5050798	225	231	232	226	235	229.8
466155	5050798	223	225	246	202	183	215.8
466155	5050798	269	238	235	241	224	241.4
466155	5050798	211	216	243	234	234	227.6
466155	5050799	247	239	227	212	215	228

467298	5050543	245	252	277	241	263	255.6
467298	5050543	274	235	253	253	279	258.8
467298	5050543	279	241	261	244	232	251.4
467298	5050543	223	205	212	200	212	210.4
467298	5050543	264	293	214	243	242	251.2
467298	5050543	270	272	297	212	247	259.6
467298	5050543	265	269	257	294	248	266.6
467298	5050543	239	236	252	284	252	252.6
467298	5050543	234	260	272	243	258	253.4
467298	5050543	263	246	257	257	242	253
467298	5050543	239	270	266	274	236	257
467298	5050543	270	268	235	253	249	255
467298	5050543	258	231	287	212	285	254.6
467298	5050543	245	222	264	257	263	250.2
467298	5050543	264	267	224	282	262	259.8
467298	5050543	249	230	260	257	237	246.6
467298	5050543	245	227	262	240	246	244
467298	5050543	251	257	262	268	257	259
467298	5050543	259	251	246	239	260	251
467298	5050543	259	244	239	242	255	247.8
467298	5050543	263	264	253	260	258	259.6
467298	5050543	249	267	253	266	260	259
467298	5050543	259	248	251	258	256	254.4
467298	5050543	235	251	244	248	254	246.4
467298	5050543	280	291	253	247	281	270.4
467298	5050543	275	251	240	255	266	257.4
467298	5050543	279	228	293	238	253	258.2
467298	5050543	265	234	278	276	247	260
467298	5050543	234	246	221	236	261	239.6
467298	5050543	258	263	243	242	254	252
467298	5050543	250	247	264	247	265	254.6
467298	5050543	273	315	243	232	271	266.8
467298	5050543	280	244	231	259	283	259.4
467298	5050543	248	271	256	246	245	253.2
467298	5050543	272	274	251	268	232	259.4
467298	5050543	248	276	268	232	244	253.6
467298	5050543	246	264	251	223	233	243.4
467298	5050543	222	262	234	235	259	242.4
467298	5050543	267	279	262	252	271	266.2
467298	5050543	260	249	254	248	274	257
467298	5050543	256	244	263	267	264	258.8
467298	5050543	280	253	237	231	255	251.2
467298	5050543	272	260	270	249	261	262.4
467298	5050543	253	250	238	276	270	257.4
467298	5050543	253	261	240	246	275	255
467298	5050543	269	251	248	267	257	258.4
467298	5050543	253	235	237	247	259	246.2
467298	5050543	278	260	253	252	245	257.6
467298	5050543	225	274	264	238	281	256.4
467298	5050543	260	234	272	269	245	256
467298	5050543	248	255	245	275	278	260.2
467298	5050543	253	244	249	268	244	251.6
467298	5050543	268	243	277	258	248	258.8
467298	5050543	282	277	239	260	241	259.8
467298	5050543	235	228	245	253	241	240.4
467298	5050543	249	241	261	282	254	257.4
467298	5050543	248	254	225	227	251	241
467298	5050543	264	257	254	258	246	255.8
467298	5050543	250	232	234	254	241	242.2
467298	5050543	244	272	266	259	279	264
467298	5050543	271	281	226	255	244	255.4
467298	5050543	283	279	250	238	249	259.8
467298	5050543	272	289	289	250	260	272
467298	5050543	260	277	257	256	228	255.6
467298	5050543	239	247	253	278	263	256
467298	5050543	260	279	251	278	291	271.8
467298	5050543	240	256	229	248	243	243.2
467298	5050543	265	235	266	269	240	255
467298	5050543	266	248	292	248	274	265.6
467298	5050543	249	270	238	248	211	243.2
467298	5050543	275	254	259	231	268	257.4
467298	5050543	237	231	267	268	273	255.2
467298	5050543	262	222	250	261	247	248.4
467298	5050543	265	246	244	240	250	249
467298	5050543	279	244	264	259	231	255.4
467298	5050543	256	249	243	259	259	253.2
467298	5050543	263	255	272	258	252	260
467298	5050543	246	228	228	264	263	245.8
467298	5050543	263	257	248	269	225	252.4

466154	5050799	218	207	236	231	217	221.8
466154	5050799	237	227	243	220	240	233.4
466154	5050799	205	225	218	240	228	223.2
466154	5050799	222	231	217	241	221	226.4
466154	5050799	222	243	225	218	247	231
466154	5050799	244	235	226	208	217	226
466164	5050792	236	228	238	227	216	229
466192	5050774	258	225	222	226	199	226
466181	5050784	203	213	195	221	195	205.4
466171	5050792	203	206	195	230	235	213.8
466171	5050786	227	237	250	227	223	232.8
466182	5050777	234	225	246	192	247	228.8
466188	5050769	226	193	203	211	172	201
466258	5050720	137	130	176	188	211	168.4
466250	5050728	190	175	191	191	196	188.6
466241	5050735	240	185	217	192	183	203.4
466229	5050745	217	190	209	207	208	206.2
466216	5050752	243	212	215	228	214	222.4
466203	5050762	205	207	178	203	225	203.6
466200	5050756	201	233	228	203	226	218.2
466214	5050745	204	202	199	205	212	204.4
466224	5050736	184	215	221	176	200	199.2
466238	5050725	227	178	190	167	157	183.8
466250	5050714	128	151	155	139	143	143.2
466258	5050706	150	149	148	165	151	152.6
466447	5050595	159	158	156	145	171	157.8
466447	5050597	170	148	139	158	165	156
466447	5050598	154	159	174	195	184	173.2
466454	5050591	198	181	175	174	186	182.8
466447	5050592	152	152	169	148	149	154
466440	5050595	152	174	162	166	174	165.6
466432	5050600	167	169	196	205	224	192.2
466422	5050604	212	188	240	217	239	219.2
466414	5050606	219	199	224	190	214	209.2
466406	5050609	184	206	204	193	188	195
466399	5050613	163	170	168	169	189	171.8
466395	5050618	173	162	197	173	195	180
466397	5050620	189	183	181	177	153	176.6
466397	5050620	171	200	194	197	204	193.2
466397	5050620	168	219	189	208	189	194.6
466397	5050620	178	190	195	175	186	184.8
466395	5050621	187	207	247	181	211	206.6
466385	5050624	217	207	207	252	236	223.8
466376	5050628	283	239	181	206	175	216.8
466362	5050634	178	160	176	198	195	181.4
466351	5050638	178	204	197	185	192	191.2
466340	5050643	217	204	211	175	150	191.4
466329	5050652	153	202	193	180	187	183
466319	5050656	191	180	185	156	182	178.8
466310	5050664	127	136	115	149	125	130.4
466304	5050671	122	137	164	148	144	143
466297	5050681	141	155	137	128	130	138.2
466288	5050693	165	144	129	140	141	143.8
466276	5050701	131	123	130	124	134	128.4
466271	5050707	160	157	168	167	145	159.4
466268	5050711	181	130	174	146	135	153.2
466267	5050700	120	123	117	130	132	124.4
466275	5050693	114	133	149	147	136	135.8
466283	5050685	110	116	162	172	155	143
466290	5050677	151	149	149	137	158	148.8
466297	5050666	137	132	138	145	155	141.4
466305	5050657	160	154	149	167	172	160.4
466313	5050649	177	178	184	194	177	182
466324	5050643	201	239	205	212	195	210.4
466337	5050637	227	169	198	184	192	194
466348	5050632	187	172	152	169	188	173.6
466359	5050624	224	283	241	244	233	245
466372	5050615	235	198	212	204	207	211.2
466385	5050607	201	199	224	205	185	202.8
466398	5050600	180	203	231	209	226	209.8
466411	5050592	184	205	191	166	137	176.6
466462	5050584	202	200	178	202	166	189.6
466425	5050586	155	166	169	151	191	166.4
466455	5050588	185	168	173	185	159	174
466455	5050588	189	166	188	187	195	185
466455	5050588	170	192	194	156	200	182.4
466455	5050588	199	187	208	192	192	195.6
466455	5050588	188	202	177	188	203	191.6
466455	5050588	178	192	154	164	166	170.8

467298	5050543	279	281	261	245	261	265.4
467298	5050543	272	257	272	245	264	262
467298	5050543	261	262	272	296	242	266.6
467298	5050543	264	275	248	263	250	260
467298	5050543	254	265	247	254	229	249.8
467298	5050543	298	249	246	272	250	263
467298	5050543	243	257	248	252	283	256.6
467298	5050543	279	269	253	247	281	265.8
467298	5050543	238	254	261	271	267	258.2
467298	5050543	262	268	286	235	264	263
467298	5050543	284	297	258	261	253	270.6
467298	5050543	273	271	259	268	253	264.8
467298	5050543	241	258	248	242	270	251.8
467298	5050543	287	260	242	218	243	250
467298	5050543	284	242	246	255	255	256.4
467298	5050543	268	239	267	278	231	256.6
467298	5050543	231	225	253	269	226	240.8
467298	5050543	252	271	267	263	286	267.8
467299	5050543	256	264	250	274	259	260.6
467299	5050543	272	235	254	258	281	260
467299	5050543	263	256	249	273	252	258.6
467299	5050543	264	278	270	255	264	266.2
467299	5050543	241	254	258	269	253	255
467298	5050543	257	245	259	251	251	252.6
467298	5050543	264	232	251	253	234	246.8
467298	5050543	247	242	232	266	245	246.4
467298	5050543	266	235	274	261	239	255
467298	5050543	262	242	260	231	227	244.4
467298	5050543	272	253	282	266	233	261.2
467298	5050543	246	272	250	231	252	250.2
467298	5050543	258	241	258	256	242	251
467315	5050538	215	216	227	227	208	218.6
467300	5050544	267	267	276	284	283	275.4
467300	5050543	244	242	248	252	261	249.4
467300	5050543	267	262	270	300	254	270.6
467299	5050542	237	235	255	225	269	244.2
467299	5050543	262	241	276	258	242	255.8
467299	5050542	250	260	240	257	228	247
467299	5050542	230	301	219	269	250	253.8
467299	5050542	263	252	257	276	250	259.6
467299	5050542	236	244	253	254	246	246.6
467299	5050542	266	267	267	252	224	255.2
467299	5050542	277	232	248	237	243	247.4
467299	5050542	249	244	256	225	239	242.6
467299	5050543	216	219	215	201	214	213
467302	5050542	223	208	222	195	216	212.8
467307	5050540	201	219	200	210	224	210.8
467310	5050541	207	221	214	195	231	213.6
467315	5050540	242	214	201	215	183	211
467319	5050538	218	178	205	217	213	206.2
467310	5050537	234	228	242	246	222	234.4
467304	5050538	212	209	233	280	260	238.8
467299	5050539	274	254	273	281	250	266.4
467324	5050539	184	172	167	177	180	176
467332	5050538	195	181	176	176	190	183.6
467338	5050538	170	172	159	143	154	159.6
467344	5050538	157	161	155	168	177	163.6
467347	5050537	173	160	164	158	165	164
467348	5050538	156	161	181	155	175	165.6
467348	5050538	155	157	194	148	152	161.2
467348	5050538	178	173	141	164	171	165.4
467348	5050538	154	163	151	178	159	161
467348	5050538	182	151	165	186	181	173
467348	5050538	192	171	159	174	158	170.8
467348	5050538	173	180	159	174	194	176
467348	5050538	160	158	153	152	147	154
467348	5050538	189	181	148	169	176	172.6
467348	5050538	135	174	153	159	160	156.2
467348	5050538	146	169	143	157	194	161.8
467348	5050538	179	162	157	157	166	164.2
467348	5050538	160	194	168	172	160	170.8
467348	5050538	162	156	164	190	161	166.6
467348	5050538	175	155	183	162	170	169
467344	5050540	182	152	142	163	170	161.8
467343	5050537	163	165	166	182	190	173.2
467343	5050537	175	164	190	164	186	175.8
467342	5050538	157	167	161	156	165	161.2
467341	5050538	180	147	191	160	190	173.6
467341	5050538	161	167	166	174	166	166.8

466455	5050588	186	205	187	192	153	184.6
466455	5050588	187	179	178	177	190	182.2
466455	5050588	203	160	189	166	177	179
466455	5050588	165	196	180	175	178	178.8
466455	5050588	198	176	167	173	174	177.6
466455	5050588	178	187	190	202	188	189
466455	5050588	175	199	185	181	182	184.4
466455	5050588	217	179	205	185	210	199.2
466455	5050588	187	175	187	184	207	188
466455	5050588	195	186	206	190	153	186
466455	5050588	190	170	183	207	193	188.6
466455	5050588	166	193	200	218	185	192.4
466455	5050588	182	215	209	181	177	192.8
466455	5050588	193	168	182	189	181	182.6
466438	5050580	153	174	178	172	207	176.8
466456	5050588	179	171	163	199	169	176.2
466456	5050588	193	209	197	189	187	195
466456	5050588	184	171	188	193	188	184.8
466456	5050588	215	189	159	168	172	180.6
466456	5050588	207	177	166	205	162	183.4
466456	5050588	203	166	156	183	164	174.4
466456	5050588	183	172	207	188	187	187.4
466456	5050588	177	176	169	206	179	181.4
466456	5050588	189	170	192	176	175	180.4
466456	5050588	199	172	177	175	205	185.6
466456	5050588	209	192	165	205	181	190.4
466456	5050588	178	175	191	166	179	177.8
466456	5050588	194	186	164	175	165	176.8
466456	5050588	181	182	187	188	204	188.4
466456	5050588	188	177	178	187	186	183.2
466456	5050588	168	211	181	176	189	185
466455	5050588	181	202	215	206	175	195.8
466450	5050575	205	202	187	193	232	203.8
466456	5050589	185	185	178	201	164	182.6
466455	5050589	152	200	200	198	182	186.4
466455	5050588	157	184	181	172	183	175.4
466455	5050588	184	186	193	205	178	189.2
466456	5050588	183	182	178	209	190	188.4
466456	5050588	169	176	165	179	167	171.2
466456	5050589	168	210	209	204	212	200.6
466456	5050589	202	194	192	192	181	192.2
466456	5050588	193	178	186	184	188	185.8
466456	5050589	225	211	187	178	185	197.2
466456	5050589	198	168	207	198	195	193.2
466456	5050589	197	165	176	185	170	178.6
466456	5050589	200	192	163	184	195	186.8
466456	5050589	154	187	185	180	178	176.8
466456	5050589	205	197	189	201	184	195.2
466456	5050589	193	196	172	193	173	185.4
466456	5050588	203	184	172	182	217	191.6
466456	5050588	183	181	157	209	181	182.2
466456	5050588	181	184	183	180	173	180.2
466456	5050588	185	147	187	180	200	179.8
466454	5050589	170	150	170	156	143	157.8
466455	5050591	196	202	180	179	152	181.8
466457	5050593	179	193	169	201	192	186.8
466456	5050588	193	198	185	181	185	188.4
466456	5050588	174	187	198	191	179	185.8
466456	5050588	154	192	218	176	204	188.8
466456	5050588	191	200	212	181	173	191.4
466456	5050588	163	203	171	182	189	181.6
466456	5050588	185	174	205	198	210	194.4
466456	5050588	184	223	180	206	170	192.6
466456	5050588	182	194	190	190	189	189
466456	5050588	199	173	192	194	174	186.4
466456	5050588	208	202	190	181	172	190.6
466456	5050588	183	213	174	186	201	191.4
466456	5050588	175	170	189	177	190	180.2
466456	5050588	174	173	201	170	198	183.2
466456	5050588	192	178	161	181	163	175
466456	5050588	203	187	211	162	180	188.6
466456	5050588	184	197	189	180	190	188
466456	5050588	182	199	194	211	182	193.6
466456	5050588	186	168	182	186	190	182.4
466456	5050588	195	184	166	180	167	178.4
466456	5050588	197	206	184	196	191	194.8
466456	5050588	170	191	160	186	170	175.4
466456	5050588	180	179	192	189	196	187.2
466456	5050588	176	176	172	187	180	178.2

467340	5050537	191	174	162	159	169	171
467340	5050538	161	185	184	186	167	176.6
467337	5050539	195	191	182	212	169	189.8
467330	5050540	171	187	194	182	196	186
467325	5050539	178	168	180	195	210	186.2
467661	5050050	222	206	205	230	206	213.8
467661	5050049	225	205	211	205	174	204
467690	5050073	215	228	214	213	245	223
467687	5050068	246	234	221	206	243	230
467684	5050064	268	238	246	260	227	247.8
467681	5050060	219	248	216	258	264	241
467678	5050057	245	242	231	233	202	230.6
467675	5050052	217	216	171	183	202	197.8
467672	5050051	205	237	213	196	223	214.8
467668	5050051	224	205	217	208	226	216
467663	5050049	172	179	225	214	184	194.8
467661	5050049	198	192	187	198	230	201
467661	5050049	220	202	191	206	192	202.2
467661	5050049	198	194	193	201	233	203.8
467661	5050049	197	203	179	205	209	198.6
467661	5050049	202	213	188	207	196	201.2
467661	5050050	206	223	176	208	227	208
467661	5050050	222	193	188	196	218	203.4
467661	5050050	216	212	196	213	215	210.4
467660	5050050	199	224	221	194	217	211
467660	5050051	183	216	197	180	235	202.2
467660	5050051	209	213	219	194	217	210.4
467661	5050050	175	238	227	218	200	211.6
467661	5050050	200	202	237	220	208	213.4
467661	5050050	220	191	205	220	201	207.4
467660	5050050	200	203	198	223	186	202
467660	5050051	223	189	240	248	200	220
467659	5050053	213	205	200	188	203	201.8
467660	5050054	195	177	189	192	183	187.2
467660	5050053	184	202	180	213	237	203.2
467661	5050052	217	239	207	168	246	215.4
467665	5050053	220	208	194	203	207	206.4
467671	5050052	207	185	186	200	196	194.8
467674	5050054	207	198	216	236	242	219.8
467678	5050053	238	213	250	241	245	237.4
467678	5050057	223	222	234	256	234	233.8
467683	5050064	267	293	245	290	304	279.8
467687	5050067	269	282	284	304	287	285.2
467689	5050067	298	226	234	239	240	247.4
467690	5050071	246	219	224	202	213	220.8
467694	5050082	209	223	213	207	215	213.4
467725	5050106	262	265	242	223	248	248
467721	5050105	252	235	220	148	181	207.2
467718	5050106	186	197	213	198	215	201.8
467714	5050104	216	182	217	176	232	204.6
467708	5050103	197	218	213	231	201	212
467702	5050096	201	202	194	208	206	202.2
467697	5050091	211	192	197	212	221	206.6
467694	5050083	207	196	194	206	208	202.2
467694	5050084	207	206	201	225	222	212.2
467693	5050085	186	207	217	216	209	207
467693	5050086	220	201	228	214	201	212.8
467693	5050086	215	209	203	212	205	208.8
467693	5050085	210	209	225	207	184	207
467694	5050084	202	198	182	193	228	200.6
467694	5050084	199	187	199	177	207	193.8
467694	5050083	201	191	200	207	192	198.2
467694	5050083	201	218	185	217	181	200.4
467694	5050083	198	188	202	233	197	203.6
467694	5050082	223	185	196	205	200	201.8
467694	5050082	197	209	210	200	208	204.8
467694	5050082	182	190	201	224	194	198.2
467694	5050082	214	193	179	182	203	194.2
467694	5050081	187	230	208	245	233	220.6
467693	5050078	195	251	238	224	219	225.4
467695	5050078	229	199	220	211	240	219.8
467701	5050085	200	201	221	204	239	213
467709	5050091	238	215	220	218	232	224.6
467714	5050089	211	226	244	242	230	230.6
467714	5050089	229	216	223	218	203	217.8
467719	5050092	254	211	228	209	235	227.4
467722	5050093	218	217	216	242	249	228.4
467725	5050093	201	209	212	221	183	205.2
467730	5050095	183	237	226	232	216	218.8

466456	5050588	185	196	169	193	199	188.4
466456	5050588	198	211	179	206	177	194.2
466456	5050588	202	182	170	197	166	183.4
466456	5050588	197	186	190	196	177	189.2
466456	5050588	173	183	183	188	185	182.4
466456	5050588	175	164	184	171	178	174.4
466456	5050588	202	195	167	174	165	180.6
466456	5050588	191	184	200	198	202	195
466456	5050588	188	203	180	162	198	186.2
466456	5050588	155	200	218	206	182	192.2
466456	5050588	195	169	179	182	161	177.2
466456	5050588	207	157	176	192	176	181.6
466456	5050588	182	187	171	169	189	179.6
466456	5050588	191	192	194	148	159	176.8
466461	5050570	236	208	190	202	230	213.2
466491	5050562	202	199	196	200	181	195.6
466483	5050569	158	189	208	246	244	209
466476	5050573	230	214	216	217	248	225
466469	5050579	219	245	163	205	203	207
466472	5050561	199	217	217	214	203	210
466484	5050552	209	210	203	186	211	203.8
466542	5050534	176	189	199	198	197	191.8
466550	5050527	160	217	228	202	202	201.8
466532	5050539	195	200	164	176	203	187.6
466523	5050544	201	193	194	188	178	190.8
466513	5050550	198	186	226	207	193	202
466501	5050555	212	194	214	211	169	200
466498	5050542	208	190	175	192	212	195.4
466514	5050532	202	187	180	207	174	190
466527	5050524	193	184	182	185	196	188
466539	5050516	194	207	192	206	187	197.2
466554	5050509	207	185	202	208	180	196.4
466673	5050380	226	223	249	226	235	231.8
466672	5050389	242	240	242	252	215	238.2
466671	5050398	237	255	245	214	249	240
466666	5050405	251	248	324	296	315	286.8
466662	5050412	306	284	283	286	280	287.8
466658	5050420	314	273	243	246	235	262.2
466652	5050427	265	233	246	250	248	248.4
466644	5050435	273	251	236	263	245	253.6
466637	5050443	236	241	251	221	235	236.8
466631	5050453	222	199	203	193	187	200.8
466626	5050465	195	184	193	199	175	189.2
466617	5050474	197	188	177	171	187	184
466605	5050484	174	174	179	161	169	171.4
466595	5050492	147	174	152	173	190	167.2
466585	5050499	179	185	186	178	181	181.8
466577	5050506	204	190	193	180	181	189.6
466569	5050513	195	228	190	160	201	194.8
466561	5050518	212	178	172	183	162	181.4
466567	5050500	184	195	179	167	210	187
466581	5050491	210	200	203	175	192	196
466592	5050483	200	200	198	188	170	191.2
466602	5050473	171	164	177	183	209	180.8
466614	5050463	166	175	192	233	220	197.2
466624	5050452	214	244	217	202	211	217.6
466630	5050443	229	207	235	233	277	236.2
466638	5050430	264	292	291	264	268	275.8
466645	5050420	233	255	293	324	317	284.4
466654	5050410	275	295	294	234	248	269.2
466658	5050398	249	225	256	242	229	240.2
466662	5050385	237	233	235	208	254	233.4
466666	5050373	229	254	210	259	275	245.4
466700	5049880	212	220	215	243	191	216.2
466715	5049783	290	270	305	258	323	289.2
466712	5049793	306	329	317	304	286	308.4
466709	5049803	270	259	304	291	267	278.2
466705	5049814	315	301	302	316	276	302
466702	5049823	285	258	237	285	220	257
466701	5049835	242	236	304	309	246	267.4
466698	5049847	268	295	293	274	256	277.2
466698	5049862	280	253	219	227	247	245.2
466707	5049895	226	245	257	221	222	234.2
466716	5049910	213	229	218	261	250	234.2
466722	5049924	259	261	276	281	252	265.8
466730	5049936	296	266	240	182	198	236.4
466737	5049947	220	184	221	223	180	205.6
466732	5049949	242	195	198	190	179	200.8
466726	5049936	211	211	217	227	243	221.8

467734	5050097	232	189	226	252	227	225.2
467740	5050101	254	251	216	218	234	234.6
467743	5050101	243	214	218	246	216	227.4
467746	5050102	237	251	240	223	221	234.4
467750	5050104	236	245	237	237	247	240.4
467755	5050104	222	225	230	247	256	236
467760	5050104	268	271	246	240	262	257.4
467763	5050105	238	257	234	251	240	244
467765	5050113	263	267	262	281	282	271
467759	5050112	269	266	244	268	261	261.6
467752	5050111	263	281	252	219	226	248.2
467745	5050110	268	244	247	252	230	248.2
467739	5050108	224	230	241	218	232	229
467731	5050107	216	236	238	256	261	241.4
467765	5050106	247	241	233	229	245	239
467778	5050112	279	265	263	273	270	270
467785	5050114	240	258	207	241	242	237.6
467771	5050112	269	257	281	277	257	268.2
467770	5050107	253	202	267	254	262	247.6
467776	5050108	239	235	225	211	257	233.4
467780	5050108	222	211	224	243	201	220.2
467786	5050107	248	229	206	248	217	229.6
467794	5050112	278	288	220	260	242	257.6
467790	5050107	239	233	231	261	265	245.8
467794	5050108	252	256	243	265	232	249.6
467806	5050104	264	226	240	256	293	255.8
467807	5050105	307	283	247	307	288	286.4
467807	5050105	271	276	243	241	296	265.4
467807	5050105	281	270	252	273	259	267
467807	5050105	286	268	263	265	282	272.8
467807	5050105	288	253	263	287	262	270.6
467807	5050105	248	249	287	266	258	261.6
467807	5050105	243	278	253	246	267	257.4
467807	5050105	288	257	245	262	294	269.2
467807	5050105	266	241	264	275	244	258
467807	5050105	265	284	261	232	254	259.2
467807	5050105	272	250	253	232	285	258.4
467807	5050105	251	256	243	260	243	250.6
467807	5050104	295	244	248	275	273	267
467807	5050104	275	243	281	260	257	263.2
467807	5050104	255	247	266	283	240	258.2
467807	5050104	279	259	254	272	247	262.2
467807	5050104	270	261	263	280	265	267.8
467807	5050107	273	266	288	248	248	264.6
467807	5050107	236	271	284	251	259	260.2
467807	5050107	298	280	273	262	287	280
467807	5050107	258	266	269	256	252	260.2
467807	5050107	265	267	262	267	277	267.6
467807	5050107	321	278	274	256	263	278.4
467807	5050107	259	266	303	269	246	268.6
467807	5050107	228	243	266	279	270	257.2
467807	5050106	277	267	253	258	275	266
467807	5050106	262	275	234	272	236	255.8
467807	5050106	278	300	280	293	262	282.6
467807	5050106	261	243	275	320	271	274
467807	5050106	239	271	264	260	262	259.2
467807	5050106	265	267	266	275	245	263.6
467807	5050106	251	283	265	273	244	263.2
467807	5050106	278	268	260	267	265	267.6
467807	5050106	249	253	275	283	288	269.6
467807	5050106	259	247	259	286	272	264.6
467807	5050106	275	280	275	286	271	277.4
467807	5050106	242	278	238	280	290	265.6
467807	5050106	272	280	279	249	264	268.8
467807	5050106	279	266	286	272	285	277.6
467807	5050106	246	268	273	242	259	257.6
467807	5050106	236	251	272	246	239	248.8
467807	5050103	254	269	240	251	295	261.8
467807	5050103	254	275	271	274	260	266.8
467807	5050103	254	242	280	246	257	255.8
467807	5050103	254	248	276	237	269	256.8
467807	5050103	247	256	229	250	261	248.6
467807	5050105	263	278	291	274	308	282.8
467807	5050105	283	310	241	282	254	274
467807	5050105	276	286	277	269	299	281.4
467807	5050105	266	268	266	282	267	269.8
467807	5050105	265	284	268	274	277	273.6
467807	5050105	265	245	266	269	291	267.2
467807	5050105	258	255	282	261	279	267

466718	5049922	243	257	234	227	230	238.2
466708	5049904	201	221	227	231	249	225.8
466698	5049886	236	231	222	211	249	229.8
466693	5049864	223	267	214	246	288	247.6
466693	5049841	222	239	224	236	238	231.8
466697	5049820	221	254	254	246	329	260.8
466700	5049803	297	324	314	286	330	310.2
466707	5049782	310	302	300	282	298	298.4
466698	5050296	255	247	229	218	246	239
466701	5050291	250	216	204	217	215	220.4
466699	5050294	218	210	219	201	206	210.8
466699	5050293	239	232	212	226	232	228.2
466698	5050293	243	243	224	214	228	230.4
466698	5050293	193	224	228	192	217	210.8
466698	5050293	221	237	198	210	203	213.8
466698	5050293	231	235	221	212	232	226.2
466698	5050293	238	227	223	235	224	229.4
466698	5050293	232	239	228	204	222	225
466698	5050293	212	211	221	200	211	211
466698	5050293	197	179	245	231	201	210.6
466698	5050293	212	242	222	246	223	229
466696	5050302	204	211	236	218	232	220.2
466695	5050309	225	239	233	238	248	236.6
466693	5050317	210	211	216	210	186	206.6
466689	5050325	208	184	226	226	224	213.6
466687	5050331	233	198	209	205	235	216
466685	5050340	218	192	216	209	242	215.4
466682	5050351	275	279	200	260	254	253.6
466679	5050361	253	244	241	247	274	251.8
466676	5050370	262	259	272	231	278	260.4
466672	5050361	252	230	246	267	218	242.6
466677	5050348	206	223	238	221	208	219.2
466681	5050334	206	221	219	213	206	213
466684	5050319	201	214	218	217	200	210
466688	5050309	212	192	234	169	229	207.2
466692	5050300	217	239	259	273	242	246
466698	5050301	274	238	239	233	235	243.8
466701	5050303	211	242	249	252	239	238.6
466699	5050305	256	241	239	272	241	249.8
466700	5050306	217	261	267	263	272	256
466703	5050312	283	270	246	272	292	272.6
466707	5050317	270	293	295	239	230	265.4
466711	5050323	272	265	233	246	258	254.8
466715	5050328	270	264	306	291	251	276.4
466719	5050332	304	283	269	258	279	278.6
466723	5050336	275	229	275	266	227	254.4
466726	5050338	263	271	279	278	286	275.4
466718	5050327	287	254	230	251	258	256
466710	5050317	266	289	254	284	282	275
466702	5050307	261	265	253	288	251	263.6
466697	5050295	239	233	223	254	230	235.8
466704	5050264	243	217	210	249	220	227.8
466719	5050209	228	215	229	199	186	211.4
466716	5050218	194	183	193	200	177	189.4
466714	5050229	188	191	202	199	220	200
466709	5050242	221	174	209	205	223	206.4
466706	5050252	239	203	245	183	226	219.2
466701	5050273	224	253	266	238	223	240.8
466700	5050281	223	224	238	236	237	231.6
466696	5050281	224	237	235	245	224	233
466699	5050266	224	221	221	213	200	215.8
466704	5050249	229	200	210	206	190	207
466709	5050231	197	192	199	184	163	187
466713	5050215	207	240	204	222	195	213.6
466716	5050198	200	189	195	179	174	187.4
466743	5050131	252	255	224	235	265	246.2
466747	5050115	238	237	228	287	242	246.4
466742	5050124	222	234	238	236	253	236.6
466743	5050131	245	260	237	228	241	242.2
466743	5050132	234	238	275	248	221	243.2
466743	5050132	226	245	230	226	244	234.2
466743	5050132	245	264	205	257	224	239
466743	5050131	237	238	232	241	233	236.2
466743	5050131	211	235	245	204	262	231.4
466743	5050131	227	228	242	253	193	228.6
466743	5050131	214	234	236	233	222	227.8
466743	5050131	222	224	224	240	242	230.4
466743	5050131	227	219	239	225	231	228.2
466743	5050131	241	214	232	244	228	231.8

467807	5050105	280	263	243	287	254	265.4
467807	5050105	287	251	272	227	277	262.8
467807	5050105	294	272	273	270	260	273.8
467807	5050105	251	276	260	286	261	266.8
467807	5050105	293	283	257	240	286	271.8
467807	5050104	264	271	285	278	224	264.4
467807	5050104	270	257	265	243	284	263.8
467807	5050104	239	256	245	268	256	252.8
467807	5050104	235	279	250	232	257	250.6
467807	5050104	267	247	237	255	279	257
467807	5050104	265	264	237	257	280	260.6
467807	5050103	258	262	239	259	263	256.2
467807	5050103	274	265	278	273	248	267.6
467807	5050103	289	300	260	288	243	276
467807	5050103	238	270	250	268	277	260.6
467807	5050103	251	283	238	265	253	258
467807	5050103	247	286	255	265	298	270.2
467807	5050103	255	267	249	247	271	257.8
467807	5050103	264	254	256	255	258	257.4
467807	5050103	277	254	267	268	223	257.8
467807	5050103	246	259	264	249	289	261.4
467807	5050103	261	256	265	258	255	259
467813	5050102	252	273	250	250	253	255.6
467817	5050102	237	223	245	236	259	240
467821	5050104	246	223	209	208	219	221
467826	5050102	243	211	209	230	215	221.6
467833	5050103	246	227	198	204	210	217
467799	5050106	268	265	253	264	275	265
467807	5050106	289	256	273	259	245	264.4
467807	5050106	259	253	276	274	265	265.4
467807	5050106	226	273	258	266	268	258.2
467807	5050106	292	254	247	265	247	261
467807	5050106	260	295	280	273	276	276.8
467807	5050106	273	264	275	268	266	269.2
467807	5050106	262	285	242	289	274	270.4
467807	5050106	274	259	247	290	254	264.8
467807	5050106	265	284	278	254	263	268.8
467807	5050106	261	280	271	279	278	273.8
467807	5050106	292	251	297	269	265	274.8
467873	5050105	170	178	158	165	170	168.2
467899	5050129	154	165	149	144	138	150
467891	5050130	161	121	152	137	140	142.2
467884	5050129	143	165	172	140	176	159.2
467880	5050125	154	175	169	133	155	157.2
467875	5050124	157	182	178	176	161	170.8
467870	5050121	184	149	214	187	183	183.4
467865	5050118	168	186	215	226	247	208.4
467859	5050117	236	227	217	258	243	236.2
467855	5050118	228	212	230	220	246	227.2
467850	5050115	201	208	252	232	237	226
467844	5050113	233	256	242	278	260	253.8
467838	5050111	244	192	200	232	234	220.4
467832	5050111	211	220	235	237	247	230
467826	5050111	253	237	204	267	233	238.8
467818	5050113	235	226	245	256	263	245
467810	5050112	282	263	288	270	276	275.8
467807	5050112	284	273	255	278	250	268
467804	5050114	250	245	242	271	272	256
467801	5050114	301	272	279	242	270	272.8
467798	5050113	247	267	278	269	216	255.4
467807	5050107	273	252	266	274	269	266.8
467807	5050107	300	293	253	273	271	278
467807	5050108	285	284	295	244	264	274.4
467807	5050108	279	296	283	286	320	292.8
467807	5050107	263	269	317	271	267	277.4
467807	5050107	245	267	238	248	282	256
467807	5050107	283	276	262	285	251	271.4
467807	5050107	294	287	283	250	291	281
467807	5050107	271	260	275	278	265	269.8
467807	5050107	301	250	271	251	276	269.8
467807	5050107	288	237	304	282	253	272.8
467807	5050107	293	290	269	269	280	280.2
467807	5050107	243	261	263	279	250	259.2
467807	5050107	252	228	268	275	263	257.2
467807	5050107	259	267	260	299	262	269.4
467807	5050107	245	254	260	260	277	259.2
467807	5050107	255	267	271	263	225	256.2
467807	5050107	301	239	257	281	273	270.2
467807	5050107	294	261	253	296	278	276.4

466743	5050131	264	253	255	222	246	248
466743	5050131	236	240	265	255	195	238.2
466743	5050131	215	221	245	223	222	225.2
466743	5050131	280	232	242	226	225	241
466743	5050131	209	214	215	233	214	217
466743	5050131	243	208	252	236	222	232.2
466743	5050131	239	230	218	239	215	228.2
466740	5050136	237	246	209	221	230	228.6
466737	5050146	237	246	225	221	228	231.4
466733	5050155	261	217	256	217	205	231.2
466731	5050165	222	232	207	235	230	225.2
466729	5050173	221	229	208	232	253	228.6
466726	5050183	222	242	174	205	187	206
466723	5050192	185	193	206	204	216	200.8
466721	5050201	219	183	164	184	209	191.8
466720	5050182	187	207	226	257	223	220
466724	5050164	207	224	218	236	228	222.6
466729	5050150	231	211	251	233	222	229.6
466734	5050135	221	214	259	250	264	241.6
466737	5050121	209	231	230	229	249	229.6
466783	5051003	128	88	95	98	91	100
466734	5051041	149	145	114	123	147	135.6
466767	5051020	112	105	140	133	103	118.6
466785	5051007	154	107	130	131	126	129.6
466777	5051012	129	134	155	133	110	132.2
466756	5051028	150	112	122	145	136	133
466745	5051033	122	129	149	139	148	137.4
466736	5051038	138	141	148	140	111	135.6
466732	5051039	144	122	135	124	146	134.2
466734	5051039	146	137	145	137	138	140.6
466734	5051039	142	137	152	144	139	142.8
466734	5051039	132	132	150	120	137	134.2
466734	5051039	119	144	156	124	142	137
466734	5051039	149	151	140	150	128	143.6
466734	5051039	143	139	136	145	141	140.8
466734	5051040	144	125	135	135	141	136
466734	5051040	122	129	131	148	148	135.6
466734	5051040	152	141	137	130	136	139.2
466734	5051040	120	136	150	155	144	141
466734	5051040	125	136	128	135	143	133.4
466734	5051040	126	134	142	148	144	138.8
466734	5051041	163	135	126	108	138	134
466734	5051041	146	137	131	149	132	139
466734	5051041	131	132	170	148	134	143
466736	5051039	127	130	146	132	147	136.4
466742	5051037	138	132	141	118	144	134.6
466750	5051034	126	122	129	103	110	118
466758	5051027	100	120	123	106	130	115.8
466765	5051023	117	144	148	135	137	136.2
466773	5051017	129	121	141	109	87	117.4
466773	5051014	127	132	138	166	133	139.2
466767	5051018	144	128	118	124	115	125.8
466765	5051026	122	99	151	129	125	125.2
466766	5051027	106	126	130	124	121	121.4
466765	5051022	144	127	135	139	138	136.6
466764	5051021	139	128	143	141	150	140.2
466767	5051019	143	129	141	129	155	139.4
466773	5051013	150	122	179	116	89	131.2
466742	5049956	199	184	209	191	185	193.6
466746	5049963	182	198	221	210	223	206.8
466751	5049972	227	250	253	214	235	235.8
466757	5049981	240	264	212	204	220	228
466763	5049990	192	258	227	270	238	237
466768	5049999	275	323	262	228	231	263.8
466771	5050007	220	227	204	251	252	230.8
466776	5050018	237	246	250	256	241	246
466779	5050030	266	230	219	205	247	233.4
466778	5050045	254	246	233	219	258	242
466774	5050061	205	228	240	227	240	228
466769	5050073	256	222	283	285	249	259
466765	5050083	259	255	239	247	217	243.4
466760	5050096	225	220	217	228	231	224.2
466753	5050105	252	248	245	253	280	255.6
466744	5050109	227	229	209	215	256	227.2
466750	5050097	232	235	236	227	261	238.2
466758	5050081	238	241	261	231	221	238.4
466763	5050066	218	261	212	206	216	222.6
466767	5050049	240	253	249	245	257	248.8
466767	5050035	243	228	258	248	236	242.6

467807	5050107	295	302	294	261	259	282.2
467807	5050107	276	255	288	274	247	268
467885	5050108	144	156	150	147	148	149
467893	5050109	144	157	169	165	132	153.4
467902	5050109	134	158	163	124	133	142.4
467907	5050121	159	147	165	128	151	150
467905	5050122	158	153	141	166	173	158.2
467905	5050123	159	157	165	160	166	161.4
467905	5050124	130	154	163	148	163	151.6
467905	5050124	153	161	162	145	164	157
467905	5050125	150	171	177	176	145	163.8
467905	5050126	155	168	164	135	142	152.8
467904	5050127	160	152	173	145	147	155.4
467904	5050128	148	162	170	160	137	155.4
467904	5050129	159	175	161	138	160	158.6
467904	5050130	158	165	139	148	181	158.2
467904	5050130	148	158	177	137	147	153.4
467912	5050111	171	191	172	161	198	178.6
467807	5050106	285	241	283	279	225	262.6
467807	5050106	299	257	261	273	253	268.6
467807	5050106	254	273	267	272	252	263.6
467807	5050106	282	256	257	266	273	266.8
467807	5050106	232	247	283	284	260	261.2
467807	5050106	243	241	273	261	292	262
467807	5050106	267	248	267	285	281	269.6
467807	5050106	271	260	248	268	267	262.8
467807	5050106	226	254	247	245	264	247.2
467807	5050106	257	261	268	267	289	268.4
467807	5050106	262	290	240	247	202	248.2
467807	5050106	249	282	272	282	216	260.2
467807	5050106	262	252	237	240	263	250.8
467807	5050106	272	286	277	244	254	266.6
467807	5050106	263	279	256	298	247	268.6
467807	5050106	264	247	259	268	249	257.4
467807	5050106	242	251	289	246	272	260
467807	5050106	295	240	264	232	260	258.2
467807	5050106	263	230	260	287	266	261.2
467807	5050106	252	295	259	271	259	267.2
467807	5050106	273	232	285	262	266	263.6
467807	5050106	251	268	261	263	280	264.6
467807	5050106	292	240	244	287	276	267.8
467807	5050106	265	276	277	281	274	274.6
467807	5050106	259	250	257	258	217	248.2
467807	5050106	250	263	274	248	289	264.8
467807	5050106	274	281	279	270	283	277.4
467807	5050106	263	268	276	263	269	267.8
467807	5050106	264	276	266	291	303	280
467807	5050106	300	272	274	251	271	273.6
467807	5050106	242	239	266	244	256	249.4
467807	5050106	267	265	247	244	261	256.8
467807	5050106	231	242	258	260	240	246.2
467807	5050106	271	262	279	282	262	271.2
467807	5050106	281	272	276	247	249	265
467807	5050106	260	253	276	291	259	267.8
467807	5050106	280	268	265	285	268	273.2
467807	5050106	252	295	260	268	262	267.4
467807	5050106	255	275	237	271	271	261.8
467807	5050106	262	291	251	300	269	274.6
467807	5050106	273	302	279	276	283	282.6
467807	5050106	277	284	266	297	264	277.6
467807	5050106	266	317	220	272	269	268.8
467807	5050106	277	275	297	267	270	277.2
467807	5050106	297	305	277	276	258	282.6
467877	5050106	147	151	161	154	152	153
467867	5050104	194	198	174	152	158	175.2
467837	5050103	240	237	218	227	247	233.8
467842	5050104	213	239	236	241	255	236.8
467843	5050102	250	234	279	253	249	253
467843	5050102	228	250	233	242	254	241.4
467843	5050102	265	265	283	282	256	270.2
467843	5050102	249	253	240	230	271	248.6
467843	5050101	279	219	243	249	255	249
467843	5050100	249	225	225	273	214	237.2
467844	5050100	254	265	248	236	261	252.8
467844	5050100	221	240	258	228	252	239.8
467844	5050101	219	269	282	252	237	251.8
467844	5050100	276	242	230	233	220	240.2
467846	5050101	240	238	204	220	209	222.2
467852	5050102	213	210	230	203	186	208.4

466766	5050018	247	192	219	215	282	231
466761	5050001	289	286	323	222	227	269.4
466755	5049985	248	232	217	220	211	225.6
466746	5049972	205	199	172	195	213	196.8
466740	5049961	193	192	216	204	206	202.2
466773	5050390	205	198	199	205	181	197.6
466747	5050363	207	231	252	251	219	232
466728	5050342	228	205	235	224	218	222
466734	5050347	233	224	226	174	158	203
466740	5050354	180	203	176	196	196	190.2
466753	5050370	241	225	232	236	223	231.4
466762	5050379	192	243	234	216	228	222.6
466770	5050387	262	229	209	220	230	230
466779	5050396	255	247	222	175	155	210.8
466772	5050404	177	167	155	158	159	163.2
466764	5050401	146	164	159	174	208	170.2
466764	5050391	208	254	243	265	219	237.8
466786	5050399	192	210	214	201	202	203.8
466800	5050408	211	208	192	181	176	193.6
466812	5050416	196	179	220	161	177	186.6
466826	5050424	177	192	175	170	185	179.8
466838	5050430	184	198	198	211	200	198.2
466852	5050433	232	251	262	252	248	249
466866	5050434	202	227	262	254	248	238.6
466881	5050434	254	237	275	260	231	251.4
466894	5050433	226	223	218	234	220	224.2
466909	5050433	238	217	207	191	175	205.6
466894	5050436	225	266	227	209	232	231.8
466874	5050436	235	230	242	223	246	235.2
466858	5050434	224	225	220	201	165	207
466841	5050432	148	146	159	154	188	159
466822	5050424	206	179	194	208	195	196.4
466807	5050413	196	207	198	197	197	199
466792	5050405	192	225	211	221	263	222.4
466777	5050394	243	244	234	255	246	244.4
466763	5050382	195	225	205	210	222	211.4
466752	5050369	255	230	222	253	181	228.2
466741	5050358	195	201	240	241	288	233
466733	5050347	277	223	236	259	247	248.4
466845	5050967	114	126	133	121	137	126.2
466851	5050963	76	75	95	118	77	88.2
466845	5050966	109	86	102	96	93	97.2
466842	5050968	122	169	131	156	138	143.2
466839	5050970	126	122	160	128	96	126.4
466836	5050972	122	119	111	127	103	116.4
466833	5050973	107	121	115	98	93	106.8
466829	5050976	107	112	114	110	111	110.8
466821	5050981	103	92	102	92	114	100.6
466813	5050986	95	92	108	95	100	98
466805	5050994	92	110	106	108	120	107.2
466797	5051000	121	126	107	84	119	111.4
466798	5050989	85	97	88	125	105	100
466815	5050976	147	128	125	139	131	134
466831	5050965	148	129	99	74	93	108.6
466846	5050957	90	93	92	83	65	84.6
466974	5050800	91	107	99	94	67	91.6
466968	5050811	107	83	110	112	82	98.8
466961	5050821	92	85	91	112	211	118.2
466956	5050833	225	190	214	222	196	209.4
466950	5050841	159	136	165	136	168	152.8
466947	5050848	190	174	150	144	177	167
466939	5050856	187	168	157	147	126	157
466932	5050867	125	133	145	141	158	140.4
466924	5050876	119	149	137	134	111	130
466917	5050887	130	110	101	111	104	111.2
466910	5050896	95	98	106	90	108	99.4
466903	5050907	103	113	110	98	96	104
466895	5050918	108	98	99	103	92	100
466886	5050930	102	128	79	82	72	92.6
466875	5050944	69	86	74	88	97	82.8
466863	5050955	82	105	90	79	83	87.8
466862	5050942	77	89	79	80	107	86.4
466877	5050925	127	97	112	83	101	104
466887	5050911	92	121	134	109	118	114.8
466899	5050894	114	117	104	134	109	115.6
466910	5050876	129	124	121	130	115	123.8
466921	5050858	140	133	123	172	227	159
466935	5050841	297	236	213	218	127	218.2
466947	5050822	105	104	91	81	95	95.2

467858	5050103	217	219	241	210	187	214.8
467086	5050488	109	106	121	127	126	117.8
467086	5050488	136	107	104	110	112	113.8
467086	5050488	108	108	121	111	121	113.8
467086	5050488	123	126	124	139	130	128.4
467086	5050488	122	104	121	98	115	112
467086	5050488	107	89	109	127	110	108.4
467086	5050488	113	135	108	106	101	112.6
467086	5050488	116	118	121	119	136	122
467086	5050488	105	112	131	126	116	118
467091	5050490	119	118	133	130	107	121.4
467097	5050490	117	111	118	108	109	112.6
467100	5050491	140	117	112	134	120	124.6
467086	5050490	118	115	113	119	106	114.2
467078	5050491	97	96	114	121	105	106.6
467077	5050480	113	122	135	100	132	120.4
467068	5050473	123	117	119	105	105	113.8
467055	5050465	119	97	111	133	168	125.6
467040	5050457	135	152	171	154	131	148.6
467020	5050449	142	147	165	143	141	147.6
467000	5050442	146	155	143	136	124	140.8
466977	5050439	131	117	148	120	134	130
466956	5050437	145	140	127	142	133	137.4
466933	5050435	141	148	177	192	192	170
466915	5050435	207	200	195	222	208	206.4
467054	5050570	153	172	160	173	175	166.6
467048	5050586	201	188	187	185	191	190.4
467042	5050600	169	204	190	203	217	196.6
467037	5050615	215	194	216	213	200	207.6
467033	5050631	227	208	208	174	205	204.4
467031	5050647	220	210	250	198	200	215.6
467030	5050661	197	161	166	173	160	171.4
467029	5050674	152	171	182	163	149	163.4
467027	5050686	151	161	142	149	160	152.6
467025	5050694	177	164	161	140	152	158.8
467024	5050694	172	162	183	172	146	167
467021	5050699	155	133	113	133	123	131.4
467016	5050711	100	123	110	112	90	107
467010	5050723	98	127	106	99	86	103.2
467004	5050736	81	84	87	82	79	82.6
466999	5050747	105	72	87	104	90	91.6
466992	5050763	87	80	87	87	89	86
466987	5050777	85	91	96	82	106	92
466981	5050791	115	154	140	137	129	135
466983	5050766	94	108	103	109	84	99.6
466990	5050749	96	94	97	94	79	92
466998	5050734	77	79	77	85	98	83.2
467003	5050720	136	132	148	124	118	131.6
467012	5050700	146	145	140	157	171	151.8
467019	5050681	180	192	189	174	181	183.2
467023	5050660	182	139	205	177	197	180
467023	5050639	179	184	211	183	234	198.2
467028	5050621	236	244	219	234	189	224.4
467032	5050603	189	165	193	196	186	185.8
467038	5050587	189	176	169	168	155	171.4
467044	5050573	165	161	156	133	162	155.4
467112	5050492	118	116	110	132	118	118.8
467121	5050495	146	142	151	146	137	144.4
467131	5050498	144	153	142	161	190	158
467139	5050500	182	191	183	163	165	176.8
467146	5050503	181	165	168	157	172	168.6
467155	5050508	137	136	133	154	133	138.6
467165	5050512	120	170	136	147	134	141.4
467171	5050514	154	158	142	152	157	152.6
467172	5050513	135	129	153	132	146	139
467173	5050513	165	182	155	172	154	165.6
467179	5050515	165	165	174	188	179	174.2
467188	5050521	184	177	141	150	159	162.2
467199	5050528	157	180	140	156	158	158.2
467202	5050531	176	164	133	163	173	161.8
467183	5050520	152	140	137	136	154	143.8
467162	5050511	137	179	167	180	186	169.8
467142	5050501	163	182	185	146	165	168.2
467122	5050495	145	130	135	135	126	134.2
467078	5050499	96	121	104	119	112	110.4
467075	5050516	119	92	82	112	99	100.8
467070	5050530	100	108	123	134	127	118.4
467065	5050530	104	126	117	106	107	112
467069	5050517	119	114	127	123	110	118.6

466961	5050804	77	91	111	123	94	99.2
466973	5050785	91	98	109	84	81	92.6
467104	5050491	117	118	113	129	119	119.2
466926	5050434	194	143	129	135	118	143.8
466943	5050437	139	113	148	140	142	136.4
466959	5050438	133	136	146	153	147	143
466975	5050441	137	141	156	145	146	145
466991	5050445	147	154	136	147	159	148.6
467010	5050450	154	181	172	136	154	159.4
467026	5050456	163	186	159	152	144	160.8
467039	5050462	115	127	123	101	105	114.2
467053	5050467	116	91	88	112	111	103.6
467067	5050477	124	125	93	100	98	108
467077	5050482	95	134	137	100	102	113.6
467086	5050487	130	107	92	110	117	111.2
467086	5050488	114	105	117	118	109	112.6
467086	5050488	110	113	104	131	110	113.6
467086	5050488	119	131	115	86	113	112.8
467086	5050488	121	122	110	103	116	114.4
467298	5050543	260	239	238	266	246	249.8
467298	5050543	238	241	225	244	252	240
467297	5050543	227	236	263	257	248	246.2

467074	5050504	112	100	87	129	99	105.4
467260	5050556	187	196	204	228	197	202.4
467266	5050552	181	202	239	228	238	217.6
467274	5050549	238	236	224	250	235	236.6
467272	5050549	175	204	190	207	217	198.6
467263	5050553	214	226	194	180	218	206.4
467259	5050556	167	200	183	159	187	179.2
467260	5050556	183	176	199	209	184	190.2
467260	5050556	209	210	178	198	179	194.8
467263	5050560	156	166	172	189	206	177.8
467262	5050559	191	190	189	169	203	188.4
467262	5050556	187	230	208	198	214	207.4
467059	5050559	144	178	147	166	169	160.8
467050	5050561	142	150	157	153	170	154.4
467055	5050551	127	137	146	156	163	145.8
467298	5050543	266	267	273	273	263	268.4
467298	5050543	245	263	239	248	233	245.6
467298	5050543	232	252	245	238	236	240.6
467298	5050543	268	251	266	257	243	257
467298	5050543	273	264	237	280	244	259.6
467298	5050543	256	251	244	282	243	255.2

Appendix B

Station Locations and uncorrected Rock XRF Results

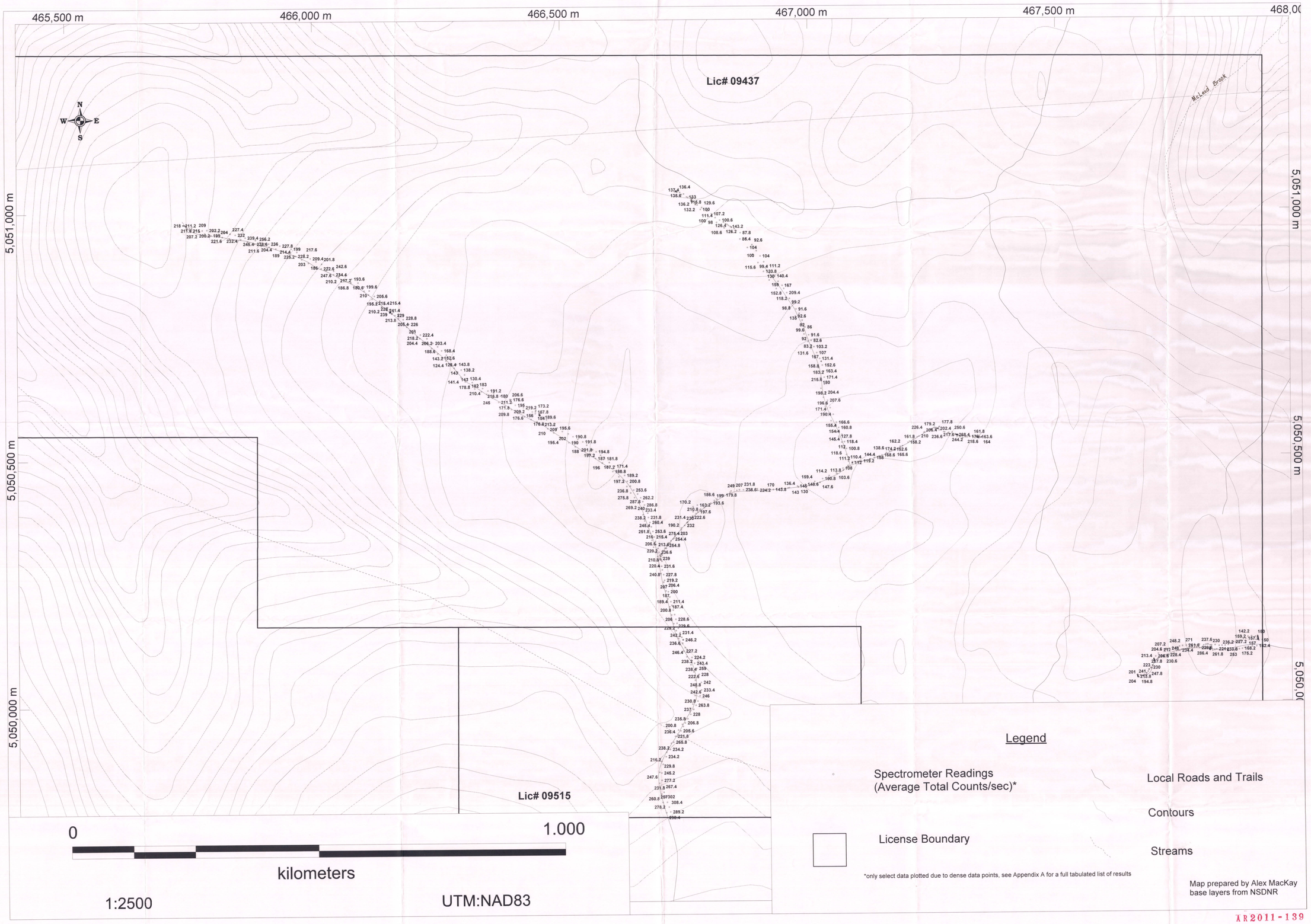
Results as presented are uncorrected. Manufacturers of the XRF analyzer recommend testing known samples and generating correction factors for each element. Currently, such samples are unavailable so results can only be used to look for anomalous values rather than absolute ppm values. Negative values indicate values below detection limits.

Stations	X	Y	Notes	Y	Y +/-	Nb	Nb +/-	Zr	Zr +/-	Th	Th +/-	Au	Au +/-
EL-01	466445	5050579	Granite and basalt outcrop with wacke?(no XRF)										
EL-02	466159	5050800	Rhyolite outcrop	1411	115	4197	490	848	47	899	258	-77	34
EL-03	466159	5050800	Rusty outcrop with sulfides	2368	129	7124	608	1796	90	341	254	34	30
EL-04	467302	5050548	Basalt outcrop	2053	128	2605	373	871	46	157	199	97	36
EL-05	467302	5050548	Rhyolite outcrop	1163	83	3866	358	394	19	440	169	-7	19
EL-06	467807	5050109	Basalt Float	1057	82	7551	495	291	15	544	178	45	20
EL-07	467807	5050109	Basalt Outcrop	1701	91	2829	338	1184	52	319	188	-13	18
EL-08	465325	5050793	Sluice Location										
EL-09	465369	5050653	Sluice Location										
EL-10	465447	5050669	Sluice Location										
EL-11	466579	5050099	Sluice Location										
EL-12	466423	5050198	Sluice Location										

Appendix C

Maps

Map 1
License 09437 & 09515 Spectrometer Data



Map 2

License 09437 & 09515 Stations and Uncorrected Rock XRF Results

464,500 m | 465,000 m | 465,500 m | 466,000 m | 466,500 m | 467,000 m | 467,500 m | 468,000 m

5,051,500 m | 5,051,000 m | 5,050,500 m | 5,050,000 m | 5,049,500 m

N W E S

Lic# 09437

Donaldson Mill Brook

McLeod Brook

EL-08
Sluice Location

EL-09
Sluice Location

EL-10
Sluice Location

EL-02
1411:4197:848:899:-77

EL-03
2368:7124:1796:341:34

EL-01
Notes Only

EL-04
2053:2605:871:157:97

EL-05
1163:3866:394:440:-7

EL-12
Sluice Location

EL-11
Sluice Location

EL-07
1701:2829:1184:319:-13

EL-06
1057:7551:291:544:45

Lic# 09515

Legend

- Rock Sample Location with Uncorrected XRF ppm Results (Y:Nb:Zr:Th:Au)*
- License Boundary
- Local Roads and Trails
- Streams

*negative numbers indicate below limit of detection

Maps prepared by Alex MacKay
Base Layers from NSDNR

0 1.000
kilometers
1:10000 UTM:NAD83

APPENDIX D

XRF Analyzer Specs and Theory

DELTA
Dynamic XRF

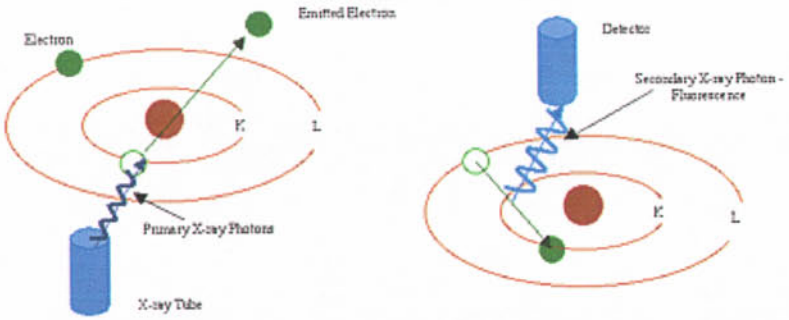
X-Ray Fluorescence (XRF) Spectrometry

BASIC THEORY

Although more popularly known for its diagnostic use in the medical field, the use of x-rays forms the basis of many other powerful measurement techniques, including X-ray Fluorescence (XRF) Spectrometry.

XRF Spectrometry is used to identify elements in a substance and quantify the amount of those elements present to ultimately determine the elemental composition of a material. An element is identified by its characteristic X-ray emission wavelength (λ) or energy (E). The amount of an element present is quantified by measuring the intensity (I) of its characteristic emission.

All atoms have a fixed number of electrons (negatively charged particles) arranged in orbitals around the nucleus. Energy Dispersive (ED) XRF and Wavelength Dispersive (WD) XRF Spectrometry typically utilize activity in the first three electron orbitals, the K, L, and M lines, where K is closest to the nucleus.



In XRF Spectrometry, high-energy primary X-ray photons are emitted from a source (X-ray tube) and strike the sample. The primary photons from the X-ray tube have enough energy to knock electrons out of the innermost, K or L, orbitals. When this occurs, the atoms become ions, which are unstable. An electron from an outer orbital, L or M, will move into the newly vacant space at the inner orbital to regain stability. As the electron from the outer orbital moves into the inner orbital space, it emits an energy known as a secondary X-ray photon. This phenomenon is called fluorescence. The secondary X-ray produced is characteristic of a specific element. The energy (E) of the emitted fluorescent X-ray photon is determined by the difference in energies between the initial and final orbitals of the individual transitions.

This is described by the formula

$$E=hc\lambda^{-1}$$

where h is Planck's constant; c is the velocity of light; and λ is the characteristic wavelength of the photon.

Energies are inversely proportional to the wavelengths; they are characteristic for each element. For example the Kα energy for Iron (Fe) is about 6.4keV. Typical spectra for EDXRF Spectrometry appear as a plot of Energy (E) versus the Intensity (I).

Elemental Analysis

XRF Spectrometry is the choice of many analysts for elemental analysis. XRF Spectrometry easily and quickly identifies and quantifies elements over a wide dynamic concentration range, from PPM levels up to virtually 100% by weight. XRF Spectrometry does not destroy the sample and requires little, if any, sample preparation. It has a very fast overall analysis turnaround time. These factors lead to a significant reduction in the per sample analytical cost when compared to other elemental analysis techniques.

Aqueous elemental analysis instrument techniques typically require destructive and time-consuming specimen preparation, often using concentrated acids or other hazardous materials. Not only is the sample destroyed, waste streams are generated during the analysis process that need to be disposed of, many of which are hazardous. These aqueous elemental analysis techniques often take twenty minutes to several hours for sample preparation and analysis time. All of these factors lead to a relatively high cost per sample. However, if PPB and lower elemental concentrations are the primary measurement need, aqueous instrument elemental analysis techniques are necessary.

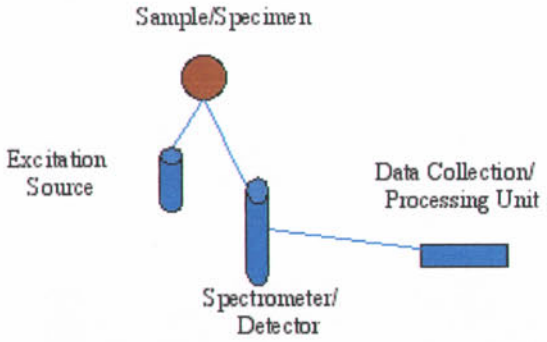
All elemental analysis techniques experience interferences, both chemical and physical in nature, and must be corrected or compensated for in order to achieve adequate analytical results. Most aqueous instrument techniques for elemental analysis suffer from interferences that are corrected for by extensive and complex sample preparation techniques, instrumentation modifications or enhancements, and by mathematical corrections in the system's software. In XRF Spectrometry, the primary interference is from other specific elements in a substance that can influence (matrix effects) the analysis of the element(s) of interest. However, these interferences are well known and documented; and, instrumentation advancements and mathematical corrections in the system's software easily and quickly correct for them. In certain cases, the geometry of the sample can affect XRF analysis, but this is easily compensated for by selecting the optimum sampling area, grinding or polishing the sample, or by pressing a pellet or making glass beads.

Quantitative elemental analysis for XRF Spectrometry is typically performed using Empirical Methods (calibration curves using standards similar in property to the unknown) or Fundamental Parameters (FP). FP is frequently preferred because it allows elemental analysis to be performed without standards or calibration curves. This enables the analyst to use the system immediately, without having to spend additional time setting up individual calibration curves for the various

elements and materials of interest. The capabilities of modern computers allow the use of this no-standard mathematical analysis, FP, accompanied by stored libraries of known materials, to determine not only the elemental composition of an unknown material quickly and easily, but even to identify the unknown material itself.

Spectrometers

Innov-X Systems utilizes the EDXRF Spectrometer technique for its mechanical simplicity and excellent adaptation to portable field use. An EDXRF system typically has three major components: an excitation source, a spectrometer/detector, and a data collection/processing unit. The ease of use, rapid analysis time, lower initial purchase price and substantially lower long-term maintenance costs of EDXRF Spectrometers have led to having more systems in use today worldwide than WDXRF Spectrometer systems. Handheld, field portable EDXRF units can be taken directly to the sample as opposed to bringing the sample to the analyzer and configuring it to fit in an analysis chamber. Innov-X Systems portable, handheld EDXRF units solve real 21 st century application problems: solving crimes, analyzing alloys, exposing pollution, preserving history, searching for WMD's, conserving art treasures, and a myriad of other elemental field-oriented analyses.



The Deltas' Cutting-edge features include:

- Exceptional speed and sample throughput due to state-of-the-art electronics, a floating point processor, and redesigned analytical geometry

- Ruggedized, weather and dustproof industrialized LEXAN housing – no PDA or movable screen – provides superior reliability

- Significant improvement in LODs and light element analysis resulting from the DELTA's unique 4W, 200μA (max) x-ray tube

- Advanced integrated technology including an accelerometer, barometer, true hot-swap battery capabilities, and other innovations
- Icon-driven UI via bright, Blanview ™ color touchscreen
    - brightens in sunlight – easy to read in all environments
- Available with fully integrated camera and X-ray spot collimation
    - crisp accurate sample images that can be archived into memory
    - small spot collimation for focusing the beam to a 3mm diameter spot.

Innov-X has reinvented on-site analysis with the DELTA line; a new breed of handheld XRF. We've redesigned our analyzers from the ground up to create instruments that are both analytically superior AND rugged enough for virtually any environment. The DELTA analyzers feature the very latest in large area silicon drift detector technology, and unique 4W, 200μA (max) x-ray tubes for maximized accuracy and precision.

DELTA analyzers are also fully industrialized tools, and offer unsurpassed testing speed; yielding significantly increased productivity and throughput for operators. Take hundreds more tests per day with the DELTA analyzer. Smart on the inside. Tough on the outside. **No compromises.**

The DELTA line of analyzers feature our signature upgradeability. Customers may purchase a value-leading **Classic** model and upgrade to the analytically best **Premium** model at any time as analytical needs change - all with the same hardware platform and intuitive, friendly user interface.

The Innov-X Handheld XRF for elemental analysis meets EPA Method 6200 for metals in soil, NIOSH Method 7702 for lead in air filters, and OSHA Methods OSSA1 and OSS1 for lead in air filters and dust wipes. The 8 RCRA Metals and Priority Pollutant Metals are easily monitored on-site with the Innov-X Handheld XRF.

The Innov-X Systems Materials Testing & Mining Analyzers include standard hardware and accessories. Capabilities available include Fundamental Parameters, Empirical Analysis, linear or quadratic calibration modes, LEAP for Light Element Analysis, and Single or Multi element analysis capability.

NOVA SCOTIA
Natural Resources

Map 11E/8
Refs.

975
1600
950
1775
607.50
5907.50

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. 09437 Date of issue NOV 24, 2016

	Type of Work		Amount Spent
1.	Prospecting (400+256/DAY) 1.5 DAY X 2 MEN = 975	3 days	975
2.	Geological mapping	____ days	
3.	Trenching/stripping/refilling	____ m^2 / ____ m^3	
4.	Assaying & whole rock analysis GOLD GRAIN COUNTS 4 LOCATIONS X 4 FRACTIONS = 16 SAMPLES @ 100	16 #	1600
5.	Other laboratory XRF SAMPLES WET + DRY DRY & SIEVE XRF USE 1/2 DAY = 750 + 1/2 DAY MANUAL @ 400/DAY	#	950
6.	Grid: (a) Line cutting (b) Picket setting (c) Flagging } USING GPS VIRTUAL GRID	____ km ____ km ____ km	
7.	Geophysical surveys **Airborne:** (a) EM/VLF (b) Mag or Grad (c) Radiometric SURVEY OF ROADS & FIELD (d) Combination TRAVERSES + COMPILATION (e) Other & TABLING OF DATA	____ km ____ km 2.5 km ____ km ____ km	1775 SURVEYS 1500 COMPILATION 275
8.	Geophysical surveys **Ground:** (a) EM/VLF (b) Seismic soundings (c) Magnetic/telluric (d) IP/resistivity (e) Gravity (f) Other	____ km ____ # ____ km ____ km ____ km ____ km	
9.	Geochemical surveys (a) Lake, stream, spring (i) Water (ii) Sediments SLUICING 1 LOCATION (b) (i) Rock (ii) Core (iii) Chips (c) (i) Soil (ii) Overburden (d) Gas (e) Biogeochemistry (f) Sample collection (g) Other	____ samples ____ samples ____ samples ____ samples ____ samples ____ samples ____ samples ____ samples ____ samples ____ days	
10.	Drilling: (a) Diamond (# holes/m) (b) Percussion (# holes/m) (c) Rotary (# holes/m) (d) Auger (# holes/m) (e) Reverse circulation (# holes/m) (f) Logging, supervision, etc. (g) Sealing (# holes)	____ / ____ m ____ / ____ m ____ / ____ m ____ / ____ m ____ / ____ m ____ days ____ #	
11.	Other (describe) ATV 1 DAY @ 60 MILEAGE 570 Km = 285 FIELD MEALS 1/2 50 MOTEL @ 90 = 90 CHAINSAW = 60	60 285 112.50 90 60 607.50 — 607.50	607.50
	Subtotal		5907.50
	Overhead costs 10%		590.75
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		6498.25

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
LINDSAY ALLEN		AUG 6, 7, 20, 21 PART DAY
ROB KRIENKE		AUG 6, 7, 20 PART DAY
ALEX MACKAY		AUG 27 (PART DAY)

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

Dated at HALIFAX in the Province of NS on NOV 24, 2011.

Name and address of licensee: ELK EXPLORATION LTD
11 RIVER RD, TERENCE BAY RIVER, NS B3T 1X2

Signature

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

NOVA SCOTIA
Natural Resources

Map 11E11B
Refs.

Form 10 - Statement of Assessment Work Expenditure

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

325
400
475
457.50
152.50
1810.00

(Complete as necessary to substantiate the total claimed.)
Re: Licence No. 09515 Date of issue JAN 13, 2011

	Type of Work		Amount Spent
1.	Prospecting 0.5 DAY X 2 MEN = 325 (400+250/DAY)	1 days	325
2.	Geological mapping	____ days	
3.	Trenching/stripping/refilling	____ m^2 / ____ m^3	
4.	Assaying & whole rock analysis GOLD GRAIN COUNTS 1 LOCATION X 4 FRACTIONS = 4 SAMPLES	4 #	400
5.	Other laboratory XRF SAMPLES WET+DRY DRY & SIEVE XRF 45E ¼ DAY = 375 + ¼ DAY MIN @ 400/DAY	____ #	475
6.	Grid: (a) Line cutting (b) Picket setting (c) Flagging } USING GPS VIRTUAL GRID	____ km ____ km ____ km	
7.	Geophysical surveys **Airborne:** (a) EM/VLF (b) Mag or Grad (c) Radiometric SURVEY OF ROADS + COMPILATION (d) Combination & TABLING OF DATA (e) Other	____ km ____ km 0.5 km ____ km ____ km	457.50 SURVEY 270 COMPILATION 187.50
8.	Geophysical surveys **Ground:** (a) EM/VLF (b) Seismic soundings (c) Magnetic/telluric (d) IP/resistivity (e) Gravity (f) Other	____ km ____ # ____ km ____ km ____ km ____ km	
9.	Geochemical surveys (a) Lake, stream, spring (i) Water (ii) Sediments SLUICING 1 LOCATION (b) (i) Rock (ii) Core (iii) Chips (c) (i) Soil (ii) Overburden (d) Gas (e) Biogeochemistry (f) Sample collection (g) Other	1 samples ____ samples ____ samples ____ samples ____ samples ____ samples ____ samples ____ samples ____ samples ____ samples ____ days	
10.	Drilling: (a) Diamond (# holes/m) (b) Percussion (# holes/m) (c) Rotary (# holes/m) (d) Auger (# holes/m) (e) Reverse circulation (# holes/m) (f) Logging, supervision, etc. (g) Sealing (# holes)	____/____ m ____/____ m ____/____ m ____/____ m ____/____ m ____ days ____ #	
11.	Other (describe) MILEAGE 190 Km @ 50¢ = 95 FIELD MEALS 37.50 CHAINSAW $20	95 37.50 20 152.50	152.50
	Subtotal		1810.00
	Overhead costs 10%		181.00
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		1991.00

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
LINDSAY ALLEN		AUG 20, 21 (PART DAYS)
ROB KRIENKE		AUG 20 (PART DAY)
ALEX MACKAY		AUG 27 (PART DAY)

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

Dated at HALIFAX in the Province of NS on NOV 24, 2011.

Name and address of licensee: ELK EXPLORATION LTD
11 RIVER RD, TERENCE BAY RIVER, NS B3T 1X2

Signature L. Allen

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