2011 Assessment Report for License 09389

License held by Blackfly Exploration Ltd.

Author: Alex MacKay

Renewal Date: Oct. 28th, 2011

Extension Date: Dec. 2nd, 2011

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1.0 Summary

License 09389 is located in the Cobequid highlands on the eastern end of the Byers Brook Formation. Since the 1986-87 Northern Nova Scotia Regional Stream Sediment Sampling program by NSDNR turned up some gold anomalies in the area(Mills, 1989), it has been suspected that the stratigraphic upper end of the Byers Brook Formation or the base of the overlying Diamond Brook Formation could host epithermal gold.

2011 work on the property included geological mapping of alteration zones, a road-way spectrometer survey for radiometric anomalies as well as the collection of 13 rock samples. All rock samples were scanned in house with an Olympus Innovx Portable XRF Analyzer. 8 of the rock samples were sent to Dalhousie University Minerals Engineering Department for analysis for base and precious metals as well as for rare earth elements. Lab results were compared with XRF results in order to determine the accuracy of the XRF analyzer as well as to generate correction factors to which can be applied to XRF data.

Correction factors showed a lot of variation from sample to sample this in addition to the lab results being relatively low values indicate that further work must be conducted in order to generate reliable XRF correction factors.

An appreciable amount of sulfidation and iron was detected, but neither lab results nor XRF scans detected any anomalies in the elements of interest (Y, Nb, Zr, Th, Au, As, Sb, Pb, Zn). Although the mineralization found to date is predominately Fe-pyrite, the area is still very prospective for REE's, epithermal gold and/or base metals.

Geological mapping and prospecting showed zones of high sulfides and alteration.

2.0 Introduction

License 09389 is located in the Cobequid Highlands area of Nova Scotia.

Since 1986-87 Au anomalies were detected in the Northern Nova Scotia Regional Stream Sediment sample program companies have been trying to source the Au anomalies. The 2011 Blackfly 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.

The property includes a large wind farm with 15 wind turbines. This area is fenced off and requires getting permission from NS Power to get on site. Onsite outcrops are abundant as windmill foundations were all heavily excavated during construction of the towers.

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 (thorium) which are known indicators of REE mineralization (Machattie, 2010). As lab results were available from some of the rock samples in the 2011 work program attempts were made to generate correction factors for XRF data. Unfortunately results showed a lot of variance and cannot be considered reliable; as such results must be evaluated for anomalies rather than assuming absolute values.

3.0 Location and Access

License 09389 can be accessed from Halifax via highway 102 north to exit 14A. Head east off of the exit onto Onslow Rd. and proceed 3.5 km until junction 311. Turn north onto highway 311. Travel north approximately 18 km's to the village of Nuttby. In Nuttby, take the Old Nuttby Rd to the northwest which will take you into the wind farm on Nuttby Mountain.

Good roads are abundant on the property, but all are gated and permission is required from NSPower to gain access.

Black Fly License 09389 Location Map

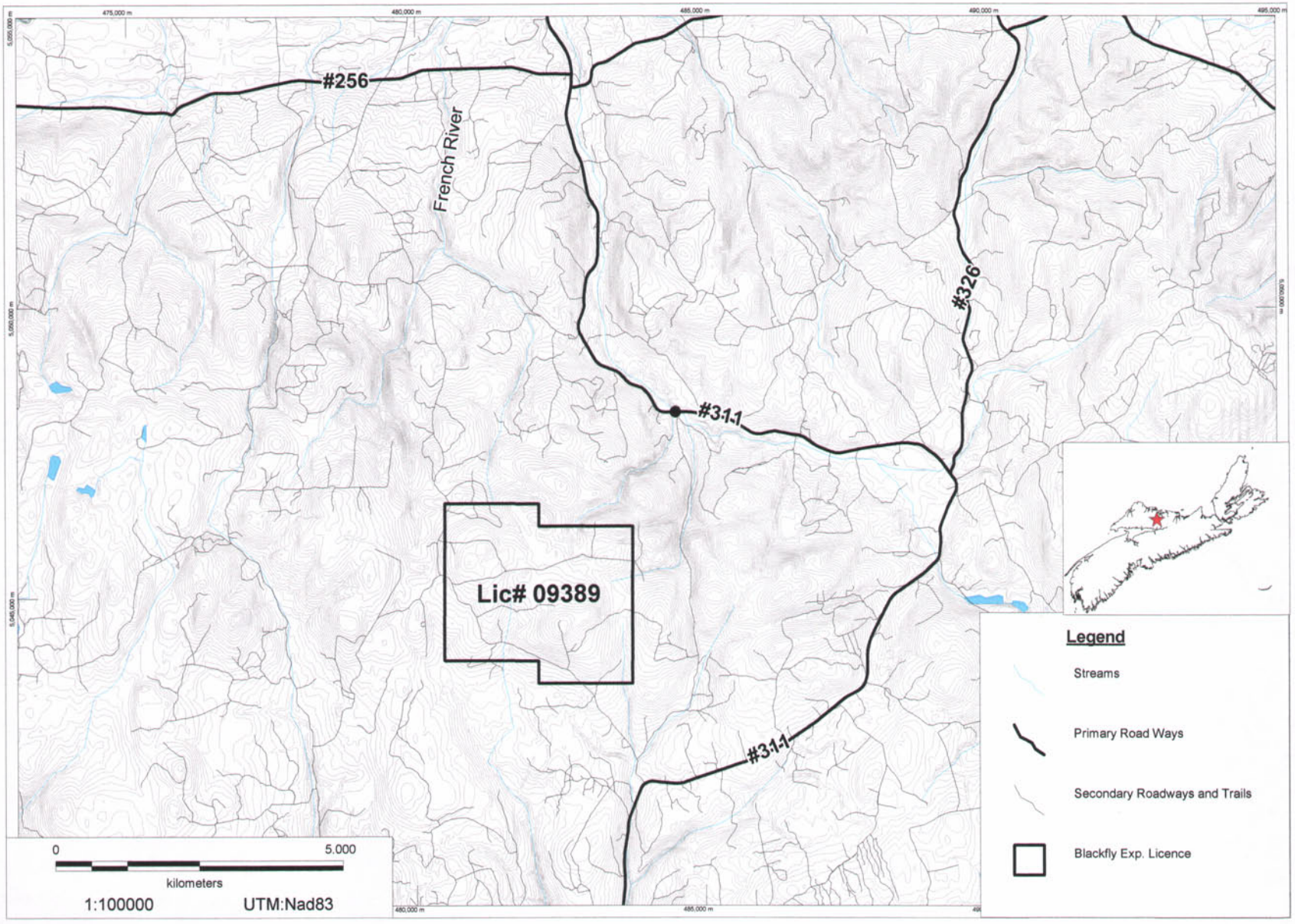

Figure 1

4.0 License Tabulation

License 09389 is composed of 56 claims on NTS map sheet 11E/11A. A detailed breakdown on the tracts and claims can be seen in Table 1 below.

Table 1-License 09387 Tracts and Claims

License #	NTS Map Sheet	Tract	Claims	Anniversary Date
09389	11E/11A	37	JKLMNOPQ	10/28/2011
09389	11E/11A	38	EFGH JKLMNOPQ	10/28/2011
09389	11E/11A	59	ABCDEFGH JKLMNOPQ	10/28/2011
09389	11E/11A	60	ABCDEFGH JKLMNOPQ	10/28/2011
09389	11E/11A	61	ABCD	10/28/2011

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 thorough 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).

In 1989 NS Mines and Energy conducted regional stream fines and heavy metal concentrates over northern Nova Scotia. Several Au anomalies were report 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 (Hogg, 1990). Several of Seabrights samples showed positive Au anomalies, hence reinforcing anomalies discovered by Mills in 1989.

In 2004 Cobequid Gold Corporation Ltd. (CGC) also attempted to source Au anomalies by prospecting brooks and silt sampling in the Byers Brook Formation. CGC analyzed the -60 mesh fraction as opposed to the -200 mesh fraction by Seabright and was unable to reproduce Au anomalies (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, the geology is dominated by rhyolites of the Byers Brook Formation. In the north of license 09389 the rhyolites contact the basalts of the overlying Diamond Brook Formation. To the south the rhyolites are fault bounded to the much older Bass River Complex.

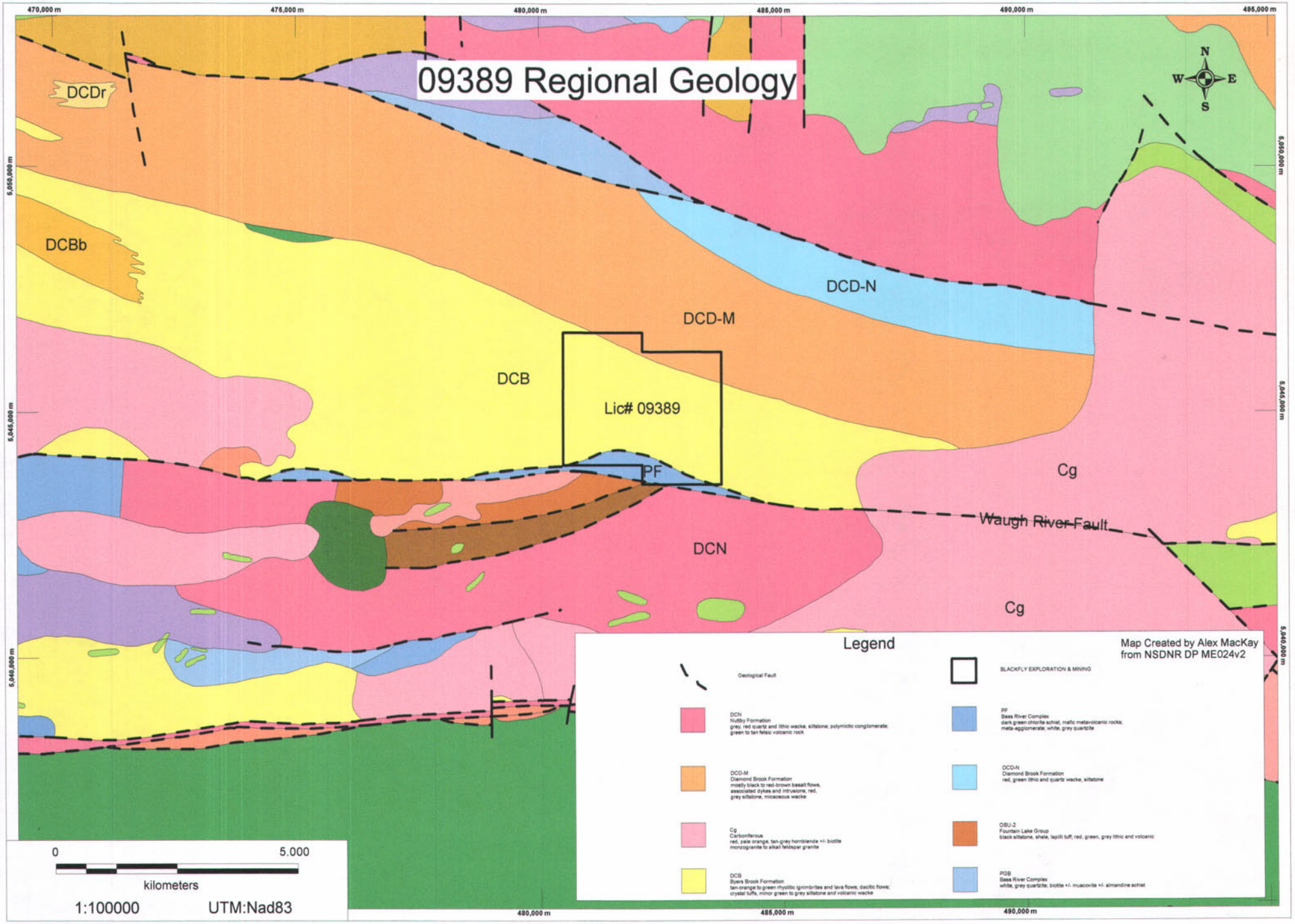
09389 Regional Geology
470,000 m
475,000 m
480,000 m
485,000 m
490,000 m
495,000 m
5,050,000 m
5,045,000 m
5,040,000 m
N
W
E
S
DCDr
DCBb
DCD-N
DCD-M
DCB
Lic# 09389
PF
Cg
Waugh River Fault
DCN
Cg
Legend
Map Created by Alex MacKay
from NSDNR DP ME024v2
Geological Fault
BLACKFLY EXPLORATION & MINING
DCN
Nutby Formation
grey, red quartz and lithic wacke, siltstone; polymictic conglomerate;
green to tan felsic volcanic rock
PF
Bass River Complex
dark green chlorite schist, mafic metavolcanic rocks;
meta-agglomerate; white, grey quartzite
DCD-M
Diamond Brook Formation
mostly black to red-brown basalt flows,
associated dykes and intrusions; red,
grey siltstone, micaceous wacke
DCD-N
Diamond Brook Formation
red, green lithic and quartz wacke, siltstone
Cg
Carboniferous
red, pale orange, tan-grey hornblende +/- biotite
monzogranite to alkali feldspar granite
OSU-2
Fountain Lake Group
black siltstone, shale, lapilli tuff; red, green, grey lithic and volcanic
DCB
Byers Brook Formation
tan-orange to green rhyolitic ignimbrites and lava flows; dacitic flows;
crystal tuffs, minor green to grey siltstone and volcanic wacke
PGB
Bass River Complex
white, grey quartzite; biotite +/- muscovite +/- almandine schist
0
5.000
kilometers
1:100000
UTM:Nad83

Figure 2

7.0 Work Preformed

Work performed included Au and REE prospecting as well as geological mapping (See Map 1 in Appendix E). Historic reports were also collected, perused and stored for later thorough compilation.

A road way spectrometer survey was completed on the property. This was done to identify 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 (see Map 2 in Appendix E).

Prospecting involved geological mapping (see Map 1), prospecting and rock sampling. In total 13 samples were collected, 8 of which were submitted to Dalhousie University Dept. of Minerals Engineering for analysis. Three types of lab analysis were completed including 30g fire assay for gold, near total digestion with ICP-OES finish for other base and precious metals and Li-metaborte/Li-tetraborate fusion with ICP-OES finish for REE's. Analysis methodology as well as results are available in Appendix C. Sampling procedure included selecting a mineralized outcrop or an outcrop showing some sort of special textural feature. Approximately, 2 kg of material was collected from each site. For samples submitted to the lab for analysis, half of the sample was submitted while half was retained as a reference. Prospecting was done up to a 200m radius around wind mill sites showing rusty rock or elevated mineralization. Geological mapping was for the most part confined to windmill sites and roadway outcrops.

All samples were scanned using the Innovx XRF analyzer. Rocks were analyzed on a fresh surface using Innovx's 3 beam soil mode with 15 seconds for each beam. In order to limit the amount of data to manage, the analyzer was set to only output the elements of interest. Elements of interest for this project were rare earth indicators (Y, Nb, Zr, Th), gold indicators (As, Sb, Pb, Zn) as well as gold (see Table 2). Due to the nature of the analyzer (see Appendix B for further details) the accuracy of each element varies. While a small effort was made to generate correction factors from the lab data, due to less than satisfactory results, correction factors were not applied to XRF data. Therefore, XRF results were used to look for anomalies rather than assuming absolute values (see Results section Table 3 below and Appendix D for more details).

Table 2-REE and Au indicator elements used

Commodity Sought	Indicator Elements	Reference
Rare Earth Elements	(Y, Th, Zr, Nb)	MacHattie, 2010b
Gold	(As, Sb, Pb, Zn)	MacHattie, 2011

XRF results were compared with lab results and correction factors were generated (see Appendix D). Correction factors were generated by the simple formula:

$$\frac{Lab\ Results\ (\frac{mg}{kg} = ppm)}{XRF\ Results\ (ppm)} = Correction\ Factor$$

8.0 Results of Work

The spectrometer survey picked up a few slight anomalies which all seem to be in the vicinity of wind turbine sites(See Map 2, Appendix E). Since exposed outcrops are abundant around the towers, and radiometric signals are masked well by over burden, it is suspected that the small kicks (around 320 total counts per second) are from outcrops and do not indicate anything significant. Nevertheless these areas should be followed up in the 2012 work program.

Prospecting of outcrops and boulders identified many sites showing abundant pyrite mineralization. This was reflected in the lab results which showed both enriched sulphur and iron. Other than that, lab analysis were not particularly intriguing as no other metallic anomalies were observed in the results. See Appendix C for lab methodologies and results. XRF results were similar as no significant anomalies were detected in the elements of interest; see Appendix D for XRF results and Appendix B for discussion of XRF specifics.

Correction factors were generated for five of the nine elements of interest. It was not possible to create correction factors for Th, Au, As or Sb as these element were below detection limits or else not analyzed for in lab results. As results show a large amount of variance, correction factors were not applied to the full data set at this time. See Table 3 below for tabulated results of the correction factors generated.

Table 3 Correction factors for XRF analyzer from comparison with lab results

	Correction Factors for each Sample by Element				
Station	Y	Nb	Zr	Zn	Pb
NBM-002	0.0751	0.0123	0.3168	1.2017	BDL
NBM-005	0.0691	0.0083	0.5082	0.4730	0.2600
NBM-009	0.0400	0.0152	0.3326	3.5670	0.8192
NBM-010	0.0191	0.0109	0.2693	0.6040	0.6224
NBM-011	0.0536	0.0071	0.1998	0.1559	0.1433
NBM-012	0.0472	0.0140	0.2558	1.2673	1.0491
NBM-013	0.0762	0.0120	0.2690	1.0418	BDL
NBM-014	0.0204	0.0085	0.1625	0.4338	0.0518
Average	0.0501	0.0110	0.2892	1.0931	0.0776

Geological mapping showed several different types of rhyolites including breccias, banded rhyolites as well as both altered and unaltered massive rhyolites. Basalts were also observed. Evidence of faulting (slickenslides) were observed at station NBM-01, as well as serpentinization of the rhyolites. Sulfide mineralized zones were abundant and were normally indicated by rusty gossans.

Although lab assay results were generally disappointing, the high level of alteration and sulfidation suggest further work could lead to zones of targeted mineralization.

9.0 Conclusions and Recommendations

Follow up prospecting should be completed around the windmill sites that had anomalies in the spectrometer survey.

Samples of mineralized basalt, particularly any which show elevated Au indicators should be sought after and send to the lab for gold analysis. Basalts should be specifically targeted as the 2011 program only submitted rhyolites for lab analysis.

Further tests should be conducted to generate more accurate correction factors including crushing and grinding the sample before scanning with the XRF analyzer.

10.0 References

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MacHattie, T.G., 2011: Volcanic Stratigraphy and nature of Epithermal-style Gold mineralization in Upper Devonian-Lower carboniferious Rocks of the Northeastern Cobequid Highlands, Nova Scotia; *in* Mineral Resources Branch, Geology Matters 2011: Program with Abstracts; Nova Scotia Department of Natural Resources, Report ME 2011-2, p. 14.

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.

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Alex MacKay

Appendix A
Spectrometer Survey Results

X	Y	Read 1	Read 2	Read 3	Read 4	Read 5	Avg
480524	5045367	234	178	137	169	172	178
480508	5045377	196	217	140	155	157	173
480494	5046299	99	80	85	88	89	88.2
480494	5046222	80	109	101	111	108	101.8
480496	5046235	126	115	126	80	119	113.2
480499	5046248	100	114	84	99	78	95
480500	5046267	102	102	93	124	158	115.8
480495	5046285	166	141	81	85	88	112.2
480494	5046308	96	87	91	78	81	86.6
480494	5046318	83	82	89	82	94	86
480495	5046335	101	75	91	71	88	85.2
480493	5046359	86	82	70	87	91	83.2
480494	5046380	84	95	80	78	75	82.4
480493	5046391	56	101	94	71	92	82.8
480496	5046397	88	85	86	73	98	86
480497	5046406	92	65	79	72	94	80.4
480500	5046415	71	78	90	89	90	83.6
480499	5046422	104	84	76	80	94	87.6
480499	5046436	84	109	98	97	89	95.4
480503	5046449	96	86	73	91	83	85.8
480506	5046464	112	101	98	106	94	102.2
480589	5046616	83	80	97	93	81	86.8
480577	5046593	82	84	101	91	89	89.4
480559	5046579	77	79	88	90	99	86.6
480513	5046479	79	95	83	76	71	80.8
480521	5046491	83	94	97	101	100	95
480530	5046504	89	81	81	87	94	86.4
480537	5046516	70	94	91	69	73	79.4
480545	5046522	83	74	79	69	79	76.8
480547	5046524	71	64	83	96	68	76.4
480550	5046529	76	70	97	98	73	82.8
480557	5046534	80	92	83	64	98	83.4
480561	5046543	79	100	93	80	78	86
480568	5046547	68	71	73	86	88	77.2
480573	5046555	76	78	90	76	80	80
480574	5046559	79	67	100	79	94	83.8
480575	5046560	64	91	80	89	82	81.2
480575	5046559	81	72	67	87	89	79.2
480576	5046558	83	73	73	79	90	79.6
480572	5046556	94	84	82	92	95	89.4
480571	5046560	93	86	73	99	95	89.2
480568	5046567	86	71	92	84	85	83.6
480565	5046573	84	91	78	100	91	88.8
480561	5046577	107	88	72	100	108	95
480552	5046585	80	63	84	89	85	80.2
480546	5046586	79	84	93	80	110	89.2
480539	5046593	94	83	94	114	100	97
480534	5046596	98	97	94	92	109	98
480528	5046598	80	86	87	77	84	82.8
480521	5046597	98	91	111	93	94	97.4
480517	5046594	97	108	102	104	115	105.2
480520	5046590	104	100	93	97	103	99.4
480525	5046588	85	90	97	77	94	88.6
480529	5046588	101	81	99	83	82	89.2
480534	5046587	83	111	63	82	91	86
480540	5046585	103	81	90	89	84	89.4
480546	5046586	83	95	98	68	87	86.2
480550	5046589	93	70	68	96	92	83.8
480558	5046590	93	84	92	78	114	92.2
480565	5046592	87	59	78	78	69	74.2
480570	5046595	88	85	92	71	80	83.2
480581	5046595	85	95	91	62	91	84.8
480587	5046605	81	86	82	78	70	79.4
480555	5045349	210	234	186	210	208	209.6
480678	5045241	176	162	204	186	138	173.2
480660	5045112	119	108	115	113	109	112.8
480653	5045129	115	97	90	111	95	101.6
480645	5045149	101	124	115	130	89	111.8
480639	5045166	113	129	116	119	108	117
480634	5045180	101	117	110	132	114	114.8
480628	5045198	138	113	128	122	120	124.2
480622	5045216	109	123	131	116	98	115.4
480619	5045234	128	113	104	129	146	124
480616	5045249	111	119	127	124	130	122.2
480618	5045257	105	95	112	89	97	99.6
480632	5045253	106	133	103	107	139	117.6
480648	5045249	110	133	159	186	204	158.4
480662	5045245	202	184	189	185	155	183

X	Y	Read 1	Read 2	Read 3	Read 4	Read 5	Avg
482091	5045500	126	120	130	124	121	124.2
482090	5045500	131	104	117	139	124	123
482090	5045499	148	115	116	124	130	126.6
482090	5045498	136	101	115	113	145	122
482090	5045498	102	143	157	118	136	131.2
482090	5045498	131	120	139	132	133	131
482090	5045498	127	128	131	135	124	129
482090	5045498	127	121	118	130	126	124.4
482090	5045498	138	119	118	129	138	128.4
482090	5045498	133	138	109	102	118	120
482081	5045500	115	125	123	139	139	128.2
482071	5045501	134	115	125	128	108	122
482071	5045495	146	141	140	145	125	139.4
482087	5045492	155	138	162	160	137	150.4
482107	5045489	168	153	132	155	152	152
482126	5045488	141	145	133	163	144	145.2
482142	5045488	130	126	128	110	106	120
482160	5045491	110	115	128	122	122	119.4
482173	5045495	110	84	90	116	136	107.2
482183	5045499	130	124	149	127	130	132
482195	5045503	144	144	148	194	183	162.6
482202	5045507	181	155	160	171	174	168.2
482214	5045512	150	129	160	180	174	158.6
482226	5045515	169	155	127	183	180	162.8
482238	5045519	166	160	153	147	153	155.8
482277	5045504	138	150	130	151	136	141
482283	5045540	155	185	177	133	97	149.4
482300	5045454	97	113	126	92	121	109.8
482297	5045464	108	87	110	85	113	100.6
482293	5045473	105	78	98	87	107	95
482290	5045480	114	86	91	106	124	104.2
482287	5045491	117	141	167	187	166	155.6
482283	5045501	146	147	158	128	120	139.8
482282	5045507	131	133	143	132	108	129.4
482281	5045518	97	102	101	99	127	105.2
482281	5045528	124	116	142	107	126	123
482288	5045537	147	166	144	157	140	150.8
482299	5045541	136	164	124	146	124	138.8
482307	5045551	114	124	138	151	143	134
482298	5045549	139	159	151	124	140	142.6
482291	5045544	145	150	156	183	177	162.2
482275	5045538	90	83	91	90	124	95.6
482268	5045534	107	91	99	92	97	97.2
482258	5045532	117	118	155	143	140	134.6
482249	5045527	162	155	150	114	158	147.8
482241	5045525	144	152	142	169	180	157.4
482249	5045520	129	174	133	128	152	143.2
482258	5045521	116	147	135	129	146	134.6
482266	5045518	163	177	142	135	113	146
482274	5045513	115	117	125	123	120	120
482277	5045507	165	146	145	145	116	143.4
482278	5045504	126	128	145	134	131	132.8
482277	5045504	134	138	139	138	125	134.8
482277	5045504	150	152	131	148	131	142.4
482277	5045504	138	132	123	146	131	134
482277	5045504	119	126	150	156	135	137.2
482277	5045504	136	142	164	164	112	143.6
482277	5045504	163	142	153	164	140	152.4
482277	5045504	142	159	133	138	129	140.2
482277	5045504	144	136	142	172	139	146.6
482277	5045504	157	129	140	159	170	151
482277	5045504	148	143	155	146	145	147.4
482277	5045504	125	144	137	145	125	135.2
482277	5045504	120	157	138	148	131	138.8
482277	5045504	143	175	151	162	147	155.6
482279	5045500	175	181	153	161	140	162
482283	5045492	109	137	100	118	127	118.2
482287	5045483	119	122	136	121	105	120.6
482291	5045473	108	115	117	104	96	108
482295	5045465	84	82	74	110	107	91.4
482297	5045456	101	118	92	93	92	99.2
482313	5045063	199	175	202	161	156	178.6
482316	5045072	156	157	192	173	194	174.4
482318	5045082	198	190	174	130	135	165.4
482321	5045093	202	224	227	244	258	231
482321	5045105	222	223	194	180	152	194.2
482322	5045115	162	139	173	167	151	158.4
482324	5045126	195	150	169	106	131	150.2

480677	5045242	101	97	114	132	129	114.6
480692	5045242	192	199	209	198	180	195.6
480711	5045240	164	183	164	164	128	160.6
480704	5045238	151	126	139	157	150	144.6
480655	5045244	137	128	120	114	108	121.4
480633	5045249	99	101	90	107	115	102.4
480623	5045256	102	107	92	115	132	109.6
480616	5045258	130	162	224	186	153	171
480611	5045256	142	148	172	231	204	179.4
480612	5045260	154	184	170	193	176	175.4
480607	5045273	205	201	194	201	201	200.4
480600	5045289	186	220	186	188	213	198.6
480594	5045305	228	195	201	257	228	221.8
480588	5045316	267	223	239	245	249	244.6
480577	5045329	249	213	244	233	209	229.6
480566	5045340	234	186	217	230	239	221.2
480542	5045358	208	187	218	222	222	211.4
480804	5044920	124	109	140	127	110	122
480786	5044929	135	142	133	161	190	152.2
480768	5044939	171	146	159	134	160	154
480751	5044949	142	153	163	159	133	150
480736	5044965	152	186	191	140	149	163.6
480719	5044983	125	140	136	127	130	131.6
480711	5044997	129	137	130	120	114	126
480708	5045012	131	115	112	101	117	115.2
480704	5045028	104	107	94	92	74	94.2
480698	5045047	84	93	109	107	114	101.4
480687	5045066	105	82	99	80	104	94
480678	5045081	117	117	108	117	131	118
480669	5045097	96	126	128	103	114	113.4
480731	5045243	155	188	166	133	104	149.2
480750	5045248	102	112	97	102	116	105.8
480770	5045254	117	146	141	178	177	151.8
480784	5045260	146	132	89	105	93	113
480803	5045269	86	102	98	100	94	96
480825	5045278	100	126	104	101	114	109
480848	5045285	106	119	109	113	90	107.4
480873	5045292	90	84	107	103	112	99.2
480866	5045292	124	105	103	86	120	107.6
480856	5045287	114	95	110	101	106	105.2
480846	5045284	112	95	99	114	102	104.4
480836	5045281	94	99	116	93	98	100
480829	5045277	88	92	93	92	98	92.6
480821	5045273	98	105	91	118	93	101
480809	5045268	82	80	90	88	107	89.4
480792	5045260	127	173	169	151	120	148
480772	5045251	108	83	91	119	108	101.8
480750	5045246	130	159	150	119	148	141.2
480727	5045240	147	150	180	168	172	163.4
480818	5046111	248	253	219	245	249	242.8
480879	5046157	216	183	194	213	184	198
480867	5046150	162	141	184	164	182	166.6
480855	5046143	156	129	156	180	216	167.4
480845	5046135	223	199	217	205	222	213.2
480835	5046125	210	220	222	231	252	227
480826	5046115	224	216	243	218	205	221.2
480817	5046104	186	189	217	228	197	203.4
480806	5046098	230	241	278	287	315	270.2
480794	5046090	314	319	268	283	250	286.8
480783	5046094	254	280	300	305	328	293.4
480776	5046103	324	314	290	279	295	300.4
480769	5046113	283	295	263	239	236	263.2
480759	5046115	151	190	161	175	175	170.4
480748	5046114	218	243	225	232	252	234
480740	5046107	257	277	255	227	258	254.8
480732	5046100	259	283	301	306	346	299
480725	5046093	323	314	323	294	310	312.8
480726	5046080	259	293	324	322	357	311
480731	5046072	341	306	357	309	345	331.6
480737	5046065	322	339	378	303	279	324.2
480744	5046057	266	278	314	320	253	286.2
480751	5046049	259	273	273	327	312	288.8
480758	5046043	295	204	144	137	154	186.8
480770	5046041	135	127	124	114	156	131.2
480779	5046044	153	138	138	168	153	150
480786	5046050	155	178	145	154	161	158.6
480790	5046058	191	202	202	191	192	195.6
480792	5046069	265	229	228	314	304	268
480791	5046080	333	306	324	314	296	314.6

482326	5045137	112	116	123	161	143	131
482327	5045146	156	135	176	154	168	157.8
482329	5045159	152	143	137	159	149	148
482319	5045158	148	167	139	164	187	161
482316	5045140	172	176	189	154	180	174.2
482313	5045127	208	170	201	217	219	203
482311	5045115	225	208	234	263	229	231.8
482310	5045104	245	236	223	239	221	232.8
482308	5045095	219	201	188	184	202	198.8
482305	5045083	257	255	208	246	242	241.6
482302	5045073	263	266	300	247	252	265.6
482300	5045063	200	200	179	161	115	171
482300	5045053	156	172	162	163	220	174.6
482299	5045040	205	188	204	224	245	213.2
482298	5045026	245	236	221	217	281	240
482294	5045013	265	247	174	149	140	195
482293	5045002	177	182	178	172	150	171.8
482291	5044987	136	146	179	154	186	160.2
482290	5044973	247	234	194	188	194	211.4
482288	5044958	205	203	207	201	191	201.4
482287	5044942	235	191	226	195	191	207.6
482285	5044926	186	197	225	225	200	206.6
482289	5044919	226	245	281	252	278	256.4
482292	5044936	248	227	198	170	181	204.8
482295	5044952	191	168	192	168	213	186.4
482300	5044965	180	205	197	166	145	178.6
482310	5045412	108	106	102	101	106	104.6
482323	5045294	131	131	121	128	132	128.6
482320	5045301	146	154	134	124	152	142
482319	5045307	121	126	120	110	108	117
482320	5045317	112	94	101	138	121	113.2
482319	5045325	125	106	120	119	128	119.6
482318	5045335	116	111	109	122	125	116.6
482317	5045343	121	104	121	127	108	116.2
482317	5045351	137	122	115	128	100	120.4
482317	5045360	122	117	142	152	151	136.8
482316	5045370	138	130	112	127	114	124.2
482315	5045380	140	112	101	124	111	117.6
482315	5045385	78	112	78	115	78	92.2
482314	5045392	122	104	138	128	130	124.4
482313	5045403	104	129	141	135	125	126.8
482308	5045421	95	108	106	94	96	99.8
482305	5045432	94	84	89	117	77	92.2
482303	5045444	87	91	101	88	117	96.8
482300	5045446	107	93	97	114	101	102.4
482304	5045437	89	107	122	107	100	105
482307	5045423	112	113	142	125	150	128.4
482310	5045410	156	145	183	125	133	148.4
482313	5045394	143	144	126	124	124	132.2
482315	5045380	125	105	112	110	132	116.8
482317	5045366	141	118	143	154	160	143.2
482316	5045353	126	125	177	166	176	154
482317	5045338	181	182	174	167	197	180.2
482319	5045322	145	143	115	117	107	125.4
482320	5045306	111	115	78	110	94	101.6
482320	5045293	114	102	121	126	159	124.4
482319	5045277	121	162	150	169	151	150.6
482320	5045265	165	160	161	165	180	166.2
482310	5045545	167	185	169	131	157	161.8
482321	5045549	184	165	152	173	177	170.2
482331	5045552	177	165	129	153	137	152.2
482341	5045556	192	187	166	216	208	193.8
482351	5045559	210	217	187	218	202	206.8
482360	5045563	154	130	114	138	138	134.8
482369	5045566	166	177	210	188	237	195.6
482376	5045570	202	190	145	177	176	178
482373	5045570	165	179	175	181	181	176.2
482361	5045564	175	163	150	140	148	155.2
482349	5045561	134	149	151	162	156	150.4
482338	5045559	156	164	145	145	146	151.2
482328	5045556	121	126	124	110	88	113.8
482318	5045553	105	123	99	118	123	113.6
482327	5045219	130	137	121	135	162	137
482331	5045170	120	132	113	122	115	120.4
482334	5045180	104	128	120	97	108	111.4
482338	5045189	111	133	140	145	134	132.6
482348	5045193	124	109	140	123	133	125.8
482356	5045194	133	128	121	107	103	118.4
482365	5045195	126	123	150	119	129	129.4

480793	5046089	266	277	284	274	225	265.2
480800	5046096	240	220	235	248	235	235.6
480811	5046104	248	190	238	212	267	231
480827	5046117	237	233	238	217	193	223.6
480836	5046124	221	225	269	224	232	234.2
480844	5046129	226	216	169	126	106	168.6
480848	5046135	167	160	182	193	184	177.2
480857	5046142	185	229	143	123	137	163.4
480864	5046148	120	122	109	126	123	120
480871	5046152	137	121	118	129	137	128.4
480883	5046157	199	211	204	159	124	179.4
480853	5045551	334	377	334	321	337	340.6
480999	5045568	181	172	240	231	248	214.4
480985	5045563	186	223	191	228	258	217.2
480971	5045567	250	275	259	281	310	275
480959	5045569	280	273	267	303	308	286.2
480948	5045569	377	372	350	345	347	358.2
480934	5045568	347	310	364	384	290	339
480923	5045566	359	352	368	370	369	363.6
480915	5045572	367	333	358	353	354	353
480910	5045580	416	369	373	373	402	386.6
480904	5045586	350	369	346	384	345	358.8
480894	5045589	373	402	328	361	344	361.6
480886	5045591	382	400	388	379	364	382.6
480877	5045592	395	352	401	399	349	379.2
480868	5045592	370	378	299	206	237	298
480862	5045583	291	310	304	320	337	312.4
480857	5045572	356	319	327	334	306	328.4
480854	5045561	313	351	351	324	321	332
480854	5045541	310	343	349	311	324	327.4
480857	5045532	272	309	363	332	346	324.4
480863	5045525	338	336	360	338	357	345.8
480870	5045518	348	334	334	364	333	342.6
480879	5045512	360	341	322	349	332	340.8
480888	5045509	325	334	356	325	354	338.8
480895	5045513	351	341	313	355	398	351.6
480900	5045518	344	341	341	323	324	334.6
480905	5045524	365	315	369	317	266	326.4
480907	5045532	285	242	217	256	239	247.8
480908	5045543	187	256	220	290	297	250
480913	5045553	313	278	237	250	253	266.2
480921	5045561	226	215	222	225	212	220
480933	5045563	216	211	223	238	324	242.4
480946	5045564	348	344	320	288	340	328
480958	5045564	305	261	243	257	244	262
480970	5045560	230	215	257	232	247	236.2
480980	5045553	298	275	282	299	282	287.2
480986	5045544	277	267	308	274	253	275.8
480978	5045509	226	229	214	175	155	199.8
480879	5044901	162	203	182	158	172	175.4
481030	5044693	244	230	291	270	255	258
481023	5044704	233	256	228	225	235	235.4
481014	5044718	239	235	228	231	248	236.2
481004	5044730	250	245	232	250	251	245.6
480995	5044744	214	259	260	233	251	243.4
480982	5044757	245	252	231	239	224	238.2
480973	5044770	228	230	256	222	278	242.8
480967	5044786	247	226	281	256	275	257
480961	5044801	272	239	254	248	255	253.6
480955	5044817	255	239	230	248	245	243.4
480951	5044834	248	237	233	240	241	239.8
480947	5044849	248	240	255	199	245	237.4
480937	5044867	232	237	278	251	267	253
480928	5044883	245	217	198	204	196	212
480914	5044895	220	205	192	184	202	200.6
480895	5044901	227	237	196	190	196	209.2
480863	5044900	140	150	160	169	160	155.8
480845	5044901	180	147	129	141	144	148.2
480825	5044910	130	135	127	123	120	127
481044	5046089	170	202	180	113	130	159
481034	5046100	150	146	177	170	155	159.6
481024	5046111	148	139	141	148	129	141
481013	5046123	155	189	276	238	182	208
481002	5046137	258	292	255	269	228	260.4
480993	5046150	185	165	146	138	136	154
480983	5046164	181	188	187	150	148	170.8
480973	5046177	111	107	78	111	124	106.2
480966	5046191	120	96	121	164	164	133
480966	5046205	111	123	113	128	150	125

482373	5045196	150	135	136	150	148	143.8
482382	5045206	126	105	133	153	136	130.6
482375	5045205	129	142	149	107	114	128.2
482366	5045205	148	159	157	137	115	143.2
482358	5045204	116	138	103	161	144	132.4
482349	5045204	148	106	110	96	97	111.4
482344	5045204	128	126	121	105	108	117.6
482338	5045206	83	102	82	68	85	84
482332	5045209	91	84	90	79	96	88
482328	5045213	109	107	124	114	143	119.4
482326	5045228	171	169	165	137	189	166.2
482325	5045239	136	164	150	179	142	154.2
482324	5045249	164	183	194	165	169	175
482326	5045259	144	154	165	114	140	143.4
482332	5045266	164	153	167	142	141	153.4
482341	5045271	151	127	153	152	138	144.2
482349	5045272	128	144	152	156	145	145
482361	5045274	136	124	98	132	163	130.6
482368	5045271	113	113	112	127	122	117.4
482372	5045264	123	126	102	93	83	105.4
482377	5045256	96	87	117	158	198	131.2
482368	5045281	146	172	164	121	128	146.2
482360	5045281	110	128	150	134	138	132
482352	5045280	135	108	156	130	134	132.6
482347	5045279	160	140	129	135	100	132.8
482339	5045280	123	130	113	97	96	111.8
482332	5045282	77	81	97	81	110	89.2
482327	5045287	97	102	99	140	126	112.8
482321	5045251	198	139	155	140	148	156
482321	5045237	192	159	141	136	134	152.4
482321	5045222	164	138	133	139	160	146.8
482321	5045207	129	119	126	133	168	135
482320	5045191	171	156	149	137	143	151.2
482321	5045174	151	188	195	177	173	176.8
482361	5044980	206	225	248	218	252	229.8
482439	5044960	268	312	326	330	333	313.8
482440	5044924	300	232	230	188	152	220.4
482436	5044933	183	205	231	201	241	212.2
482431	5044945	265	195	187	175	177	199.8
482432	5044953	194	210	235	296	320	251
482440	5044976	208	221	189	204	172	198.8
482434	5044969	195	177	161	125	137	159
482427	5044964	125	160	126	164	134	141.8
482418	5044962	154	146	192	163	152	161.4
482409	5044963	151	169	172	158	194	168.8
482402	5044967	189	209	190	170	152	182
482391	5044972	134	106	100	166	171	135.4
482382	5044975	185	185	206	204	213	198.6
482372	5044977	209	216	217	197	224	212.6
482349	5044982	234	250	206	203	174	213.4
482339	5044985	182	199	174	246	250	210.2
482330	5044988	230	238	230	236	256	238
482321	5044989	234	239	248	240	195	231.2
482314	5044992	230	196	188	186	190	198
482308	5044998	174	203	193	199	182	190.2
482305	5045005	188	181	167	176	159	174.2
482304	5045013	216	225	269	227	202	227.8
482307	5045021	254	238	246	249	253	248
482309	5045031	236	231	199	198	189	210.6
482313	5045040	223	204	175	162	191	191
482314	5045051	201	232	227	218	226	220.8
482308	5044978	159	159	155	163	149	157
482322	5044983	175	185	206	193	211	194
482337	5044979	224	194	161	174	190	188.6
482355	5044972	200	219	211	196	212	207.6
482371	5044971	201	228	210	205	198	208.4
482384	5044967	213	217	209	210	215	212.8
482397	5044963	216	203	176	167	200	192.4
482410	5044955	171	182	171	167	144	167
482422	5044944	142	165	181	174	131	158.6
482433	5044931	152	168	152	148	132	150.4
482440	5044919	172	194	204	215	294	215.8
482449	5044913	299	283	318	275	285	292
482385	5045327	173	155	167	165	164	164.8
482440	5045277	151	185	140	137	161	154.8
482383	5045196	159	156	153	142	168	155.6
482390	5045196	164	180	159	156	162	164.2
482391	5045208	157	141	133	112	109	130.4
482385	5045254	208	171	206	182	169	187.2

480959	5046212	132	105	129	121	82	113.8
480947	5046203	102	96	60	81	80	83.8
480937	5046191	81	121	112	101	136	110.2
480927	5046182	146	132	125	132	114	129.8
480915	5046176	130	127	98	98	102	111
480903	5046167	133	171	240	240	206	198
480892	5046163	186	197	231	181	194	197.8
480891	5046161	138	128	120	98	77	112.2
480901	5046166	99	95	111	112	129	109.2
480911	5046170	104	114	138	91	134	116.2
480918	5046176	114	150	168	125	131	137.6
480927	5046182	180	173	191	150	139	166.6
480937	5046186	152	137	108	104	100	120.2
480947	5046186	90	87	113	94	109	98.6
480956	5046180	102	121	98	118	121	112
480964	5046174	98	106	133	174	212	144.6
480971	5046165	249	235	214	134	98	186
480977	5046155	115	143	134	143	123	131.6
480984	5046146	97	122	106	101	124	110
480990	5046136	135	137	196	155	113	147.2
480997	5046126	67	98	102	103	107	95.4
481001	5046119	100	109	97	110	90	101.2
481007	5046111	99	119	139	112	115	116.8
481013	5046102	150	155	142	135	170	150.4
481019	5046093	150	142	145	114	128	135.8
481025	5046087	121	144	131	127	147	134
481032	5046081	115	95	119	102	133	112.8
481038	5046072	145	128	140	119	113	129
481044	5046064	100	91	108	121	114	106.8
481050	5045332	131	197	179	152	161	164
481061	5045330	196	189	184	142	152	172.6
481039	5045335	165	159	163	145	181	162.6
481027	5045341	144	124	134	101	116	123.8
481017	5045352	131	103	114	122	117	117.4
481009	5045361	123	162	192	170	148	159
481001	5045373	139	141	164	164	208	163.2
480994	5045384	148	127	142	134	126	135.4
480989	5045397	127	124	137	125	142	131
480984	5045409	131	118	143	149	151	138.4
480983	5045423	127	128	157	172	171	151
480984	5045434	170	197	212	217	219	203
480984	5045448	253	238	215	159	152	203.4
480983	5045462	192	237	268	236	196	225.8
480984	5045475	171	191	191	154	171	175.6
480983	5045486	137	126	157	165	180	153
480985	5045499	154	218	162	201	245	196
480987	5045511	187	199	217	225	216	208.8
480993	5045522	181	181	186	188	181	183.4
480997	5045534	171	165	170	194	157	171.4
481001	5045544	144	126	130	147	148	139
480987	5045534	212	208	171	212	214	203.4
480983	5045520	197	180	254	265	252	229.6
480975	5045496	191	217	215	173	140	187.2
480974	5045482	159	149	153	151	177	157.8
480973	5045466	158	194	214	211	195	194.4
480973	5045452	212	210	230	228	206	217.2
480973	5045440	233	231	186	196	189	207
480973	5045424	168	150	116	120	136	138
480976	5045405	101	159	128	139	136	132.6
480980	5045388	124	134	150	142	115	133
480988	5045375	148	170	139	131	155	148.6
480995	5045361	139	117	129	133	125	128.6
481006	5045350	113	120	109	120	92	110.8
481018	5045340	98	123	101	146	183	130.2
481030	5045335	167	139	152	157	148	152.6
481041	5045330	185	150	149	110	103	139.4
481050	5045325	85	99	90	100	87	92.2
481051	5045325	95	108	98	99	96	99.2
481050	5045325	98	96	105	107	99	101
481050	5045326	117	125	85	83	90	100
481053	5045325	86	80	76	66	68	75.2
481067	5045324	67	68	85	80	119	83.8
481152	5045331	245	241	228	226	243	236.6
481141	5045331	253	290	268	258	199	253.6
481130	5045328	191	219	204	252	188	210.8
481116	5045327	191	176	180	200	205	190.4
481102	5045327	188	148	148	188	203	175
481087	5045329	184	200	188	232	215	203.8
481074	5045329	229	230	216	237	196	221.6

482393	5045255	159	159	155	170	143	157.2
482403	5045255	212	232	205	153	211	202.6
482411	5045251	195	184	173	192	191	187
482419	5045249	194	253	230	277	287	248.2
482430	5045252	273	266	282	282	221	264.8
482437	5045258	225	220	196	190	207	207.6
482441	5045267	180	168	196	184	196	184.8
482438	5045287	178	157	164	160	155	162.8
482436	5045296	159	150	146	147	153	151
482435	5045306	134	164	223	236	197	190.8
482435	5045315	163	150	143	148	166	154
482431	5045323	136	176	146	135	152	149
482422	5045328	154	166	140	137	153	150
482412	5045328	156	170	172	142	140	156
482403	5045327	138	146	132	137	144	139.4
482395	5045328	156	131	118	165	122	138.4
482377	5045320	174	212	158	149	176	173.8
482374	5045310	169	163	155	170	153	162
482374	5045299	136	149	159	160	157	152.2
482372	5045289	150	177	133	121	134	143
482387	5045575	178	145	175	148	137	156.6
482395	5045578	175	204	182	164	183	181.6
482405	5045581	182	155	162	155	159	162.6
482414	5045584	160	177	179	152	167	167
482421	5045586	174	168	177	164	188	174.2
482429	5045590	162	185	220	180	208	191
482440	5045593	184	184	184	163	183	179.6
482447	5045597	177	202	225	189	212	201
482455	5045600	201	164	172	163	170	174
482465	5045604	185	201	216	215	208	205
482476	5045607	200	211	214	180	147	190.4
482473	5045608	168	172	164	139	133	155.2
482463	5045605	147	153	154	140	146	148
482454	5045602	164	168	169	151	160	162.4
482445	5045600	164	173	170	160	130	159.4
482435	5045596	146	180	198	167	184	175
482423	5045593	190	160	188	161	153	170.4
482414	5045589	182	177	204	172	174	181.8
482406	5045582	215	202	202	225	193	207.4
482395	5045578	207	194	162	202	193	191.6
482384	5045574	172	192	192	186	206	189.6
482421	5045197	157	153	162	194	150	163.2
482398	5045197	151	155	160	204	185	171
482407	5045197	183	206	216	186	159	190
482415	5045197	138	172	168	176	167	164.2
482429	5045197	161	163	193	186	197	180
482437	5045196	184	202	195	220	242	208.6
482445	5045194	193	201	201	184	138	183.4
482453	5045193	150	155	145	132	141	144.6
482461	5045192	159	185	191	211	185	186.2
482468	5045191	174	135	108	109	111	127.4
482477	5045191	107	131	130	122	148	127.6
482475	5045197	103	101	97	101	71	94.6
482467	5045199	100	98	110	106	123	107.4
482458	5045200	131	159	161	175	193	163.8
482448	5045203	200	196	217	228	209	210
482438	5045206	169	122	146	153	152	148.4
482429	5045207	180	173	138	179	163	166.6
482420	5045208	197	165	154	170	199	177
482410	5045208	168	197	156	137	180	167.6
482400	5045208	173	152	180	163	171	167.8
482437	5045743	165	157	172	178	202	174.8
482510	5045768	241	240	260	250	248	247.8
482486	5045695	104	106	108	101	100	103.8
482484	5045704	114	116	76	96	92	98.8
482485	5045712	138	178	156	158	162	158.4
482489	5045715	202	160	185	164	154	173
482498	5045717	183	195	184	181	223	193.2
482507	5045723	208	183	180	184	218	194.6
482511	5045730	213	211	211	216	234	217
482514	5045738	243	239	233	251	261	245.4
482514	5045747	251	280	252	260	241	256.8
482513	5045758	237	230	277	245	291	256
482505	5045776	221	226	242	275	198	232.4
482495	5045778	191	192	239	223	251	219.2
482486	5045779	237	303	284	261	260	269
482480	5045778	267	299	270	286	259	276.2
482472	5045776	241	265	262	255	257	256
482465	5045770	213	219	235	244	233	228.8

481083	5045326	89	111	87	115	137	107.8
481098	5045326	159	155	218	183	187	180.4
481113	5045325	173	213	208	178	146	183.6
481126	5045323	111	149	134	137	148	135.8
481138	5045323	132	135	112	128	119	125.2
481150	5045327	143	131	133	100	103	122
481165	5045331	132	119	141	117	133	128.4
480897	5045297	86	102	114	80	113	99
480918	5045299	94	104	105	108	97	101.6
480937	5045302	80	102	110	111	109	102.4
480947	5045304	121	116	102	135	137	122.2
480955	5045304	107	112	109	112	129	113.8
480955	5045303	126	112	116	106	120	116
480955	5045303	123	112	118	137	156	129.2
480956	5045303	119	132	134	128	104	123.4
480956	5045303	124	136	126	118	129	126.6
480956	5045303	125	136	125	126	114	125.2
480956	5045303	124	128	120	109	119	120
480956	5045303	122	124	109	111	111	115.4
480956	5045303	117	131	158	129	124	131.8
480956	5045303	119	136	107	129	120	122.2
480956	5045303	113	132	103	122	115	117
480956	5045303	120	126	131	131	112	124
480956	5045303	106	108	126	112	99	110.2
480951	5045302	131	112	105	101	104	110.6
480948	5045302	104	102	92	97	123	103.6
480940	5045302	99	122	110	108	104	108.6
480929	5045301	83	107	103	110	109	102.4
480922	5045301	100	99	131	108	111	109.8
480913	5045300	88	119	124	106	108	109
480898	5045296	88	97	125	121	109	108
480880	5045295	118	79	92	106	89	96.8
481039	5046303	266	297	271	318	335	297.4
481038	5046281	297	299	318	305	315	306.8
480971	5046220	158	189	251	282	299	235.8
480982	5046230	303	304	252	321	257	287.4
480994	5046237	309	269	219	171	178	229.2
481004	5046247	196	186	219	229	246	215.2
481015	5046256	226	266	310	308	219	265.8
481022	5046266	164	171	205	217	211	193.6
481029	5046274	194	222	220	207	228	214.2
481044	5046285	335	316	338	332	338	331.8
481046	5046286	340	344	352	369	328	346.6
481047	5046286	316	343	321	329	355	332.8
481054	5046283	355	327	361	336	351	346
481059	5046276	346	403	397	345	382	374.6
481067	5046271	406	401	425	362	411	401
481075	5046271	349	381	370	370	356	365.2
481077	5046274	356	368	378	384	358	368.8
481078	5046274	367	385	395	379	371	379.4
481078	5046274	361	385	358	371	355	366
481078	5046275	368	327	387	382	345	361.8
481078	5046274	397	374	394	374	367	381.2
481078	5046275	360	367	373	340	368	361.6
481078	5046275	393	382	368	367	362	374.4
481078	5046275	347	336	365	371	378	359.4
481078	5046275	353	384	361	337	371	361.2
481078	5046275	348	358	339	352	323	344
481085	5046281	372	326	338	326	373	347
481091	5046289	327	320	354	312	320	326.6
481100	5046297	307	291	262	285	246	278.2
481104	5046306	263	264	262	282	311	276.4
481102	5046318	346	316	302	280	271	303
481099	5046326	251	264	255	299	278	269.4
481093	5046334	277	330	294	311	286	299.6
481084	5046339	299	304	307	292	298	300
481077	5046341	294	310	342	327	337	322
481069	5046342	345	314	326	320	302	321.4
481058	5046342	306	285	305	305	277	295.6
481046	5046338	335	318	320	307	277	311.4
481039	5046327	238	264	252	258	240	250.4
481038	5046314	221	205	241	243	300	242
481038	5046291	349	317	313	308	349	327.2
481030	5046280	319	274	248	206	253	260
481024	5046271	272	282	246	234	218	250.4
481012	5046262	188	202	222	217	195	204.8
481003	5046253	176	238	214	204	229	212.2
480993	5046242	240	234	165	222	212	214.6
480981	5046230	204	236	222	168	132	192.4

482459	5045767	217	172	163	171	189	182.4
482451	5045763	171	166	171	203	156	173.4
482443	5045758	148	144	179	168	276	183
482439	5045749	232	224	246	221	207	226
482438	5045735	180	197	199	222	200	199.6
482440	5045729	228	237	237	231	217	230
482443	5045724	224	210	215	181	183	202.6
482450	5045717	167	163	168	150	147	159
482456	5045712	102	148	120	133	106	121.8
482464	5045707	153	177	223	265	218	207.2
482471	5045702	230	140	135	111	118	146.8
482476	5045696	103	89	111	118	129	110
482479	5045685	152	116	102	93	95	111.6
482498	5045613	178	122	123	145	132	140
482486	5045608	162	138	143	155	151	149.8
482509	5045617	138	137	111	136	118	128
482501	5045645	82	70	82	85	89	81.6
482501	5045645	61	82	65	69	76	70.6
482501	5045645	82	82	70	55	75	72.8
482501	5045645	88	79	80	89	88	84.8
482501	5045645	61	80	92	85	103	84.2
482501	5045645	85	72	79	87	75	79.6
482501	5045645	82	70	86	81	80	79.8
482501	5045645	66	85	71	87	79	77.6
482501	5045645	86	79	75	74	71	77
482501	5045645	91	81	83	95	90	88
482501	5045651	96	85	83	84	92	88
482499	5045657	97	100	103	101	93	98.8
482497	5045665	90	86	113	89	104	96.4
482494	5045672	116	90	109	100	98	102.6
482490	5045680	107	100	98	97	86	97.6
482489	5045686	120	108	109	105	90	106.4
482481	5045677	96	94	97	97	84	93.6
482484	5045668	96	83	88	84	77	85.6
482487	5045658	95	91	93	97	107	96.6
482489	5045648	101	123	113	123	121	116.2
482490	5045637	106	91	104	101	75	95.4
482489	5045624	133	98	103	125	114	114.6
482485	5045618	110	104	139	145	129	125.4
482480	5045612	145	155	145	154	149	149.6
482519	5045621	138	143	169	175	182	161.4
482528	5045625	173	174	160	161	114	156.4
482536	5045627	108	125	123	126	138	124
482544	5045631	131	141	149	128	153	140.4
482551	5045635	139	176	128	171	182	159.2
482559	5045637	148	154	157	188	232	175.8
482570	5045640	194	225	175	213	200	201.4
482581	5045643	196	176	190	187	222	194.2
482592	5045646	189	177	158	164	180	173.6
482644	5045136	161	120	134	110	122	129.4
482486	5045189	137	141	160	150	162	150
482494	5045188	182	183	172	134	138	161.8
482501	5045187	142	125	141	130	125	132.6
482509	5045186	128	148	142	131	121	134
482517	5045185	142	133	85	132	133	125
482526	5045183	136	128	110	110	140	124.8
482534	5045182	141	146	135	135	153	142
482543	5045177	142	155	127	118	128	134
482551	5045173	119	134	136	111	138	127.6
482559	5045169	140	163	162	144	142	150.2
482565	5045165	166	165	157	148	165	160.2
482574	5045160	149	131	122	132	148	136.4
482582	5045156	144	135	161	164	174	155.6
482591	5045152	135	116	126	138	137	130.4
482597	5045148	126	128	135	145	136	134
482607	5045144	139	143	154	148	135	143.8
482615	5045141	119	128	122	105	148	124.4
482625	5045138	131	123	132	139	144	133.8
482632	5045137	126	134	121	129	128	127.6
482652	5045135	159	126	101	128	142	131.2
482663	5045137	138	177	139	151	162	153.4
482671	5045139	179	155	147	143	142	153.2
482683	5045142	142	152	144	165	132	147
482678	5045146	90	125	125	127	123	118
482668	5045143	117	113	125	120	127	120.4
482659	5045142	110	119	132	138	145	128.8
482651	5045141	138	131	112	118	119	123.6
482639	5045144	134	127	141	138	128	133.6
482628	5045144	135	116	113	127	114	121

480972	5046221	124	163	224	209	167	177.4
481066	5045628	148	173	193	240	239	198.6
481005	5045557	159	142	132	120	139	138.4
481010	5045569	115	114	116	147	147	127.8
481015	5045581	146	134	162	152	205	159.8
481024	5045592	175	190	139	115	153	154.4
481032	5045602	106	96	92	103	112	101.8
481044	5045610	85	117	127	112	122	112.6
481055	5045618	106	89	97	111	119	104.4
481078	5045635	228	280	264	291	292	271
481088	5045644	272	268	306	283	262	278.2
481098	5045653	272	258	235	203	191	231.8
481107	5045661	192	144	158	137	182	162.6
481115	5045670	170	164	141	136	148	151.8
481123	5045678	183	219	164	152	143	172.2
481131	5045688	168	156	153	109	125	142.2
481138	5045698	148	124	105	98	98	114.6
481144	5045708	103	103	124	100	100	106
481148	5045719	112	106	121	128	87	110.8
481152	5045733	103	83	83	98	100	93.4
481144	5045728	116	116	126	117	126	120.2
481136	5045713	140	155	200	201	187	176.6
481127	5045697	234	214	198	169	146	192.2
481117	5045688	136	141	120	162	242	160.2
481107	5045676	183	163	111	107	114	135.6
481093	5045662	110	116	123	133	192	134.8
481077	5045649	188	191	169	165	149	172.4
481062	5045639	163	199	176	156	147	168.2
481049	5045627	122	116	99	162	136	127
481039	5045616	159	122	116	113	109	123.8
481028	5045607	109	147	159	165	233	162.6
481017	5045595	209	185	151	148	194	177.4
481007	5045581	259	166	132	158	140	171
481123	5045893	109	110	102	103	127	110.2
481126	5045911	114	106	128	101	108	111.4
481121	5045921	102	98	132	110	106	109.6
481117	5045933	107	114	116	110	97	108.8
481112	5045947	93	81	102	113	111	100
481108	5045959	112	108	125	129	179	130.6
481102	5045974	137	172	249	231	219	201.6
481097	5045989	212	273	262	191	198	227.2
481091	5046003	233	184	152	130	167	173.2
481086	5046019	205	249	236	227	210	225.4
481080	5046034	224	269	237	203	172	221
481074	5046048	150	145	97	109	104	121
481064	5046062	100	121	129	146	193	137.8
481054	5046074	161	170	185	179	184	175.8
481050	5046056	140	139	134	131	187	146.2
481055	5046052	222	246	281	304	281	266.8
481064	5046040	276	295	314	299	281	293
481069	5046031	308	302	319	304	337	314
481072	5046021	298	318	336	284	280	303.2
481075	5046012	245	182	216	171	168	196.4
481078	5046002	168	156	134	134	152	148.8
481082	5045991	133	157	115	132	153	138
481086	5045981	137	125	141	168	179	150
481090	5045972	144	158	200	224	203	185.8
481094	5045962	177	182	227	200	189	195
481099	5045952	129	136	132	95	96	117.6
481103	5045942	118	102	126	108	87	108.2
481107	5045932	117	110	113	106	91	107.4
481111	5045922	94	102	104	96	109	101
481115	5045913	108	102	100	103	101	102.8
481119	5045900	116	117	97	102	118	110
481161	5045772	183	116	76	83	75	106.6
481157	5045746	102	102	85	89	98	95.2
481160	5045759	95	115	87	115	154	113.2
481162	5045787	80	77	108	96	87	89.6
481161	5045803	89	83	80	99	68	83.8
481161	5045818	78	86	83	90	101	87.6
481158	5045833	96	92	110	94	89	96.2
481153	5045845	103	85	101	86	78	90.6
481148	5045858	100	94	86	93	126	99.8
481143	5045845	104	136	111	105	113	113.8
481147	5045833	99	93	96	108	96	98.4
481150	5045819	107	113	125	123	112	116
481152	5045802	117	131	114	109	118	117.8
481152	5045787	113	119	97	108	96	106.6
481153	5045773	94	98	105	119	142	111.6

482617	5045150	129	124	126	134	138	130.2
482611	5045149	116	114	132	111	136	121.8
482603	5045155	133	130	131	118	125	127.4
482595	5045158	125	130	124	133	117	125.8
482586	5045162	137	124	116	121	108	121.2
482576	5045167	128	109	133	154	131	131
482568	5045173	141	149	150	160	147	149.4
482558	5045177	154	117	132	131	121	131
482550	5045182	120	133	161	153	152	143.8
482543	5045185	157	139	117	138	152	140.6
482536	5045188	133	106	120	150	166	135
482529	5045190	159	146	185	163	172	165
482518	5045192	190	152	135	162	158	159.4
482510	5045193	134	163	153	148	170	153.6
482502	5045194	131	132	125	116	113	123.4
482491	5045197	138	109	109	132	119	121.4
482483	5045197	111	123	105	110	112	112.2
482680	5045673	163	187	176	136	145	161.4
482600	5045649	190	214	186	199	171	192
482613	5045653	172	185	152	172	178	171.8
482623	5045656	137	159	186	184	207	174.6
482633	5045659	202	155	167	152	179	171
482648	5045663	187	170	198	194	187	187.2
482660	5045667	198	160	152	179	173	172.4
482672	5045671	182	209	193	226	202	202.4
482687	5045677	137	159	142	139	139	143.2
482699	5045681	136	142	133	136	117	132.8
482712	5045684	128	137	144	149	116	134.8
482729	5045157	127	116	116	119	121	119.8
482690	5045143	147	151	163	147	155	152.6
482700	5045146	114	128	122	155	139	131.6
482707	5045150	173	152	165	196	188	174.8
482716	5045153	168	177	170	175	178	173.6
482725	5045155	145	158	141	189	190	164.6
482733	5045158	186	139	170	156	195	169.2
482743	5045161	178	178	145	159	154	162.8
482750	5045163	146	176	156	151	149	155.6
482762	5045166	181	151	151	160	186	165.8
482771	5045170	163	184	215	211	211	196.8
482781	5045172	247	252	215	190	234	227.6
482785	5045174	169	179	174	182	173	175.4
482775	5045172	161	187	164	176	157	169
482768	5045168	177	181	180	179	170	177.4
482757	5045165	149	128	158	159	133	145.4
482747	5045163	147	148	131	99	112	127.4
482740	5045161	110	136	149	181	153	145.8
482719	5045153	148	144	136	146	119	138.6
482708	5045152	114	115	123	115	118	117
482698	5045150	129	126	124	140	141	132
482688	5045147	126	109	128	142	119	124.8
482722	5045686	156	161	163	157	138	155
482732	5045688	91	81	71	84	99	85.2
482738	5045690	91	92	89	91	111	94.8
482750	5045694	104	94	116	126	107	109.4
482761	5045696	106	140	197	156	141	148
482771	5045699	118	140	119	118	96	118.2
482778	5045702	109	102	108	108	95	104.4
482787	5045705	95	109	99	132	119	110.8
482799	5045710	134	135	140	191	173	154.6
482808	5045716	123	116	109	116	119	116.6
482818	5045721	104	114	114	112	95	107.8
482827	5045727	111	103	104	105	93	103.2
482837	5045733	75	94	88	83	79	83.8
482846	5045740	82	92	87	103	85	89.8
482856	5045744	107	120	149	107	116	119.8
482867	5045748	85	82	86	88	106	89.4
482878	5045750	105	94	103	79	75	91.2
482889	5045749	108	100	115	119	111	110.6
482900	5045745	79	110	83	115	138	105
482908	5045739	159	171	173	161	159	164.6
482915	5045732	181	126	95	105	91	119.6
482921	5045727	94	96	75	71	100	87.2
482927	5045722	116	103	140	169	157	137
482934	5045716	150	119	94	106	120	117.8
482942	5045710	122	112	137	129	130	126
482881	5045195	243	267	228	208	220	233.2
482791	5045174	228	224	292	228	195	233.4
482800	5045177	257	210	208	192	234	220.2
482807	5045180	239	257	219	201	283	239.8

481152	5045759	115	86	117	100	96	102.8
481149	5045742	88	88	110	103	111	100
481168	5045905	327	360	327	296	260	314
481144	5045870	148	152	148	144	146	147.6
481145	5045881	163	197	182	165	173	176
481150	5045891	205	202	255	213	244	223.8
481161	5045898	250	253	245	317	279	268.8
481171	5045904	316	310	308	299	286	303.8
481182	5045910	267	303	295	331	297	298.6
481194	5045914	291	279	266	234	224	258.8
481203	5045918	290	264	285	239	263	268.2
481210	5045956	222	227	209	226	225	221.8
481206	5045949	220	216	226	208	241	222.2
481200	5045939	259	288	271	262	273	270.6
481199	5045931	302	329	260	281	308	296
481199	5045924	278	263	236	248	249	254.8
481192	5045915	264	318	324	335	360	320.2
481180	5045910	379	350	364	312	318	344.6
481159	5045902	290	263	291	256	270	274
481148	5045900	272	217	211	197	246	228.6
481135	5045903	215	198	208	110	117	169.6
481129	5045883	123	93	116	108	88	105.6
481134	5045870	93	107	100	85	91	95.2
481138	5045857	76	98	80	87	98	87.8
481220	5044835	233	242	306	299	280	272
481257	5044909	338	306	300	351	309	320.8
481252	5044894	294	349	372	355	335	341
481248	5044877	349	311	292	313	292	311.4
481244	5044860	240	245	248	283	219	247
481239	5044846	187	215	300	325	310	267.4
481231	5044839	302	304	267	254	258	277
481208	5044834	268	285	283	270	224	266
481198	5044828	247	215	242	267	298	253.8
481191	5044821	281	307	295	239	279	280.2
481188	5044812	281	268	328	284	294	291
481186	5044803	259	265	244	236	246	250
481190	5044794	270	229	276	276	257	261.6
481199	5044787	241	273	283	247	277	264.2
481205	5044784	267	266	262	271	241	261.4
481214	5044780	229	225	240	232	227	230.6
481223	5044779	229	254	273	240	271	253.4
481233	5044780	205	224	239	222	263	230.6
481243	5044784	244	219	270	273	270	255.2
481251	5044790	276	235	226	258	250	249
481261	5044798	268	292	296	265	276	279.4
481263	5044807	273	284	267	260	314	279.6
481260	5044817	261	287	335	332	359	314.8
481257	5044825	320	353	359	333	362	345.4
481252	5044832	362	382	339	270	290	328.6
481248	5044841	274	259	292	300	298	284.6
481247	5044851	336	346	290	327	337	327.2
481247	5044861	336	358	338	335	346	342.6
481250	5044872	370	379	369	339	367	364.8
481253	5044883	348	369	384	378	353	366.4
481256	5044895	376	354	337	317	313	339.4
481259	5044906	339	284	305	318	353	319.8
481262	5044917	344	383	350	411	359	369.4
481222	5045973	222	209	217	175	203	205.2
481245	5045906	366	363	366	341	358	358.8
481212	5045919	246	265	307	333	319	294
481218	5045918	248	228	259	244	238	243.4
481226	5045913	270	310	321	336	352	317.8
481232	5045908	383	350	379	321	365	359.6
481240	5045906	331	336	380	376	332	351
481245	5045905	356	366	377	336	380	363
481245	5045905	355	352	356	353	352	353.6
481245	5045905	331	332	391	378	396	365.6
481245	5045906	359	367	360	352	393	366.2
481245	5045906	374	386	347	360	358	365
481245	5045906	388	367	387	383	374	379.8
481245	5045906	364	334	380	399	385	372.4
481245	5045906	356	350	359	364	378	361.4
481245	5045906	354	403	357	390	406	382
481245	5045906	346	360	341	370	371	357.6
481245	5045906	349	361	329	395	328	352.4
481245	5045906	404	354	297	367	349	354.2
481247	5045906	350	351	283	243	214	288.2
481255	5045908	217	183	221	194	210	205
481262	5045911	182	227	270	257	288	244.8

482814	5045177	232	246	246	284	290	259.6
482820	5045169	302	316	305	343	372	327.6
482826	5045161	347	336	359	366	337	349
482835	5045158	307	303	325	354	363	330.4
482842	5045158	305	299	266	314	338	304.4
482852	5045160	299	326	340	334	353	330.4
482862	5045162	323	280	256	257	272	277.6
482869	5045165	250	269	242	258	246	253
482877	5045167	281	254	235	204	228	240.4
482885	5045173	247	239	254	212	203	231
482884	5045185	221	257	281	233	229	244.2
482880	5045204	242	282	303	291	285	280.6
482880	5045214	267	310	316	282	290	293
482879	5045221	221	226	194	180	200	204.2
482875	5045231	210	209	214	204	229	213.2
482871	5045238	232	240	267	214	252	241
482864	5045242	296	263	287	293	286	285
482856	5045243	308	315	287	300	274	296.8
482846	5045242	282	292	272	286	265	279.4
482837	5045236	290	244	256	262	249	260.2
482830	5045231	238	251	249	255	286	255.8
482822	5045226	298	269	290	264	246	273.4
482814	5045217	262	238	265	275	228	253.6
482811	5045206	247	249	251	254	215	243.2
482813	5045196	194	179	185	178	181	183.4
482810	5045187	198	151	186	155	184	174.8
482802	5045181	156	138	145	198	144	156.2
482793	5045176	123	163	163	165	190	160.8
481933	5044715	342	325	352	307	315	328.2
482060	5044847	349	304	347	342	335	335.4
482050	5044840	370	379	369	345	341	360.8
482040	5044832	315	361	360	347	343	345.2
482030	5044825	358	347	338	328	332	340.6
482021	5044817	343	340	318	326	308	327
482011	5044807	332	330	336	356	336	338
481999	5044798	326	380	346	352	347	350.2
481983	5044788	351	355	314	310	317	329.4
481972	5044780	324	375	381	350	355	357
481955	5044782	372	349	319	350	349	347.8
481945	5044783	344	344	355	355	353	350.2
481933	5044787	334	332	365	332	367	346
481922	5044710	309	306	343	328	310	319.2
481942	5044724	322	312	321	342	310	321.4
481947	5044736	329	361	364	357	358	353.8
481951	5044749	348	322	311	367	319	333.4
481956	5044764	363	355	359	381	363	364.2
481960	5044774	362	389	387	343	416	379.4
481965	5044779	386	405	409	428	412	408
481974	5044786	391	396	405	471	394	411.4
481984	5044788	393	410	415	391	367	395.2
481992	5044791	368	335	307	342	395	349.4
482001	5044797	404	348	395	367	431	389
482008	5044803	360	408	388	368	343	373.4
482014	5044810	358	363	367	394	352	366.8
482022	5044818	380	344	336	363	360	356.6
482031	5044826	346	342	342	370	369	353.8
482040	5044833	311	353	319	314	347	328.8
482048	5044842	323	366	342	315	311	331.4
482058	5044850	337	322	365	322	336	336.4
482068	5044858	325	336	347	414	342	352.8
482078	5044866	376	306	331	336	336	337
482215	5044888	265	270	254	270	242	260.2
482205	5044889	274	252	265	252	261	260.8
482193	5044892	312	306	289	240	247	278.8
482181	5044895	266	264	316	243	277	273.2
482168	5044899	285	243	261	267	274	266
482155	5044902	304	305	308	281	304	300.4
482143	5044905	316	325	275	299	290	301
482133	5044906	329	307	268	319	340	312.6
482122	5044909	322	349	338	357	333	339.8
482114	5044912	379	320	378	369	349	359
482110	5044905	310	301	325	383	383	340.4
482111	5044895	327	347	271	288	356	317.8
482108	5044884	327	355	348	353	285	333.6
482101	5044874	293	286	286	324	348	307.4
482092	5044867	308	318	307	353	276	312.4
482081	5044860	271	295	308	328	307	301.8
482070	5044854	319	317	348	317	324	325
482089	5044875	343	338	311	329	304	325

481269	5045917	268	325	309	307	338	309.4
481274	5045926	323	317	306	290	273	301.8
481276	5045934	270	286	293	283	270	280.4
481275	5045944	293	250	254	227	237	252.2
481272	5045951	224	258	254	220	273	245.8
481265	5045956	278	223	199	237	246	236.6
481261	5045962	233	270	272	303	264	268.4
481254	5045969	258	208	229	226	244	233
481246	5045973	251	258	243	233	241	245.2
481239	5045976	243	252	241	241	229	241.2
481232	5045977	219	258	218	223	232	230
481214	5045968	196	220	241	203	196	211.2
481334	5045357	184	156	148	136	130	150.8
481323	5045355	128	158	170	163	180	159.8
481308	5045356	159	144	156	142	150	150.2
481294	5045356	142	152	139	135	132	140
481281	5045357	157	166	161	201	152	167.4
481268	5045358	174	142	150	186	184	167.2
481256	5045357	144	172	159	122	167	152.8
481242	5045356	175	190	186	179	156	177.2
481227	5045354	154	205	180	206	236	196.2
481213	5045352	210	207	143	204	197	192.2
481199	5045348	177	163	133	155	155	156.6
481188	5045342	187	210	242	218	233	218
481176	5045339	231	179	268	278	298	250.8
481164	5045335	279	270	256	249	228	256.4
481182	5045335	134	130	137	112	135	129.6
481197	5045340	135	131	153	136	150	141
481208	5045344	173	188	204	228	226	203.8
481226	5045341	246	219	214	176	214	213.8
481248	5045335	229	221	213	221	240	224.8
481251	5045344	224	239	223	237	229	230.4
481258	5045351	224	196	208	172	212	202.4
481267	5045353	208	141	138	162	147	159.2
481281	5045352	128	124	142	149	107	130
481295	5045351	155	163	143	138	144	148.6
481307	5045351	152	165	145	129	150	148.2
481324	5045352	152	184	182	165	154	167.4
481339	5045353	179	198	182	184	212	191
481353	5045357	217	202	216	209	191	207
481249	5045294	239	224	207	235	246	230.2
481235	5045330	213	245	318	281	242	259.8
481240	5045313	220	212	215	231	232	222
481240	5045302	207	232	228	258	236	232.2
481242	5045287	252	240	264	232	279	253.4
481244	5045270	263	223	260	235	221	240.4
481248	5045255	243	264	249	220	274	250
481252	5045241	275	257	283	287	281	276.6
481260	5045226	314	307	316	275	272	296.8
481270	5045216	213	201	254	269	288	245
481281	5045206	271	276	263	274	261	269
481293	5045192	229	227	217	184	192	209.8
481301	5045175	189	204	205	246	199	208.6
481305	5045156	212	209	222	201	202	209.2
481305	5045137	200	203	230	199	197	205.8
481303	5045117	182	211	229	203	206	206.2
481300	5045100	228	220	224	210	218	220
481297	5045084	203	194	196	213	235	208.2
481303	5045089	223	213	219	211	220	217.2
481306	5045102	227	196	237	193	210	212.6
481308	5045116	173	182	205	241	197	199.6
481310	5045131	227	203	201	224	220	215
481311	5045142	209	232	232	242	242	231.4
481309	5045155	226	175	227	200	206	206.8
481307	5045169	187	205	212	208	230	208.4
481303	5045186	213	209	236	257	243	231.6
481298	5045200	250	269	266	269	277	266.2
481289	5045211	206	225	222	225	209	217.4
481281	5045218	240	212	215	241	254	232.4
481272	5045228	242	252	237	257	246	246.8
481264	5045239	229	244	227	254	236	238
481257	5045251	237	218	222	239	222	227.6
481253	5045263	228	251	271	275	243	253.6
481253	5045275	248	262	233	239	253	247
481251	5045286	225	215	217	208	220	217
481248	5045305	240	249	279	232	247	249.4
481247	5045314	240	247	252	256	247	248.4
481247	5045325	255	225	252	219	251	240.4
481277	5044985	231	239	237	283	231	244.2

482098	5044881	323	339	312	309	318	320.2
482112	5044889	268	211	183	184	212	211.6
482126	5044896	197	253	278	257	199	236.8
482141	5044898	211	193	196	232	223	211
482156	5044894	274	316	291	273	236	278
482171	5044889	295	282	279	284	275	283
482185	5044885	303	314	275	289	302	296.6
482199	5044881	274	280	257	312	324	289.4
482208	5044878	293	281	310	281	270	287
482208	5044877	312	311	276	298	284	296.2
482211	5044877	277	280	280	251	291	275.8
482219	5044880	252	243	193	222	218	225.6
482172	5044272	258	246	264	255	274	259.4
482239	5044409	173	164	139	186	142	160.8
482231	5044419	182	153	211	171	174	178.2
482226	5044430	186	185	203	196	223	198.6
482222	5044442	194	196	182	133	170	175
482224	5044433	204	220	179	181	192	195.2
482228	5044421	196	174	173	166	146	171
482233	5044410	155	160	162	163	166	161.2
482241	5044400	187	150	129	177	167	162
482243	5044296	299	324	328	321	340	322.4
482239	5044304	307	328	300	289	313	307.4
482233	5044310	315	271	247	286	309	285.6
482227	5044315	294	286	283	276	293	286.4
482218	5044319	286	294	303	300	310	298.6
482213	5044324	274	292	311	317	273	293.4
482206	5044327	290	261	301	268	272	278.4
482196	5044324	258	253	288	260	260	263.8
482190	5044319	277	244	183	165	148	203.4
482185	5044314	190	263	295	256	282	257.2
482181	5044306	285	298	269	269	242	272.6
482176	5044296	258	304	272	295	266	279
482174	5044288	265	266	220	212	244	241.4
482172	5044281	270	285	266	255	269	269
482178	5044265	243	257	251	234	228	242.6
482186	5044259	237	273	296	251	255	262.4
482196	5044256	269	266	293	276	265	273.8
482206	5044254	261	282	263	291	239	267.2
482215	5044259	281	246	296	283	270	275.2
482223	5044267	308	260	268	293	272	280.2
482231	5044273	331	320	266	276	263	291.2
482239	5044278	266	230	217	296	233	248.4
482216	5044555	173	138	126	119	143	139.8
482219	5044453	160	200	176	104	120	152
482216	5044464	126	140	147	144	169	145.2
482214	5044476	156	159	199	198	197	181.8
482211	5044490	172	236	201	193	222	204.8
482212	5044502	220	218	213	238	232	224.2
482212	5044516	222	231	223	263	248	237.4
482214	5044528	234	244	243	185	188	218.8
482214	5044539	155	154	171	141	167	157.6
482215	5044547	147	197	197	186	209	187.2
482217	5044555	220	216	201	186	149	194.4
482218	5044561	160	165	186	209	250	194
482220	5044567	252	247	234	242	242	243.4
482224	5044576	201	183	170	175	188	183.4
482228	5044582	181	188	180	161	198	181.6
482232	5044592	174	181	215	186	177	186.6
482227	5044585	253	202	179	198	212	208.8
482222	5044575	196	169	120	125	107	143.4
482220	5044564	115	133	133	142	180	140.6
482214	5044546	124	116	156	160	206	152.4
482210	5044535	201	209	232	221	226	217.8
482209	5044520	195	209	201	227	197	205.8
482209	5044505	188	206	176	162	154	177.2
482210	5044491	191	176	178	163	150	171.6
482211	5044479	161	167	178	192	178	175.2
482213	5044464	192	144	166	134	128	152.8
482218	5044454	148	135	145	160	158	149.2
482221	5044445	154	171	171	160	212	173.6
482280	5044911	230	260	198	223	194	221
482275	5044901	177	212	231	240	242	220.4
482267	5044892	231	215	199	263	301	241.8
482255	5044886	326	307	295	281	289	299.6
482241	5044884	330	267	270	270	290	285.4
482226	5044887	290	271	263	263	245	266.4
482227	5044880	223	198	209	254	308	238.4
482237	5044878	311	310	313	303	256	298.6

481293	5045068	200	215	240	204	244	220.6
481288	5045052	208	233	199	197	239	215.2
481285	5045037	232	208	203	215	213	214.2
481282	5045021	193	202	208	186	190	195.8
481278	5045005	191	166	195	184	209	189
481275	5044989	198	210	220	226	212	213.2
481273	5044979	186	201	205	206	182	196
481270	5044967	167	182	208	197	229	196.6
481267	5044952	166	179	171	167	198	176.2
481263	5044940	228	237	278	302	364	281.8
481260	5044924	364	387	368	331	319	353.8
481264	5044929	337	306	305	237	258	288.6
481266	5044939	248	250	247	217	228	238
481267	5044949	280	231	280	246	266	260.6
481271	5044960	264	237	209	247	226	236.6
481273	5044974	201	209	206	192	251	211.8
481280	5044998	221	208	212	209	197	209.4
481283	5045010	158	174	199	212	200	188.6
481286	5045021	217	198	191	206	230	208.4
481290	5045033	185	209	223	231	227	215
481292	5045045	253	252	218	256	262	248.2
481293	5045054	251	232	233	226	238	236
481296	5045066	220	219	223	217	242	224.2
481299	5045076	179	218	189	189	222	199.4
481453	5045406	142	215	185	165	242	189.8
481482	5045424	221	257	269	228	208	236.6
481473	5045420	196	146	146	139	155	156.4
481464	5045414	145	168	189	167	151	164
481444	5045400	265	217	238	259	243	244.4
481433	5045394	214	263	237	214	251	235.8
481421	5045387	236	250	223	251	235	239
481408	5045384	285	274	272	267	267	273
481396	5045379	263	291	278	261	259	270.4
481384	5045373	252	250	197	220	204	224.6
481373	5045368	217	227	191	152	183	194
481360	5045364	182	180	174	164	184	176.8
481346	5045359	176	149	176	171	167	167.8
481367	5045360	207	222	224	191	176	204
481381	5045364	176	171	159	180	180	173.2
481394	5045368	181	156	157	178	178	170
481408	5045378	200	173	187	153	184	179.4
481419	5045387	157	149	186	169	191	170.4
481428	5045391	190	246	241	213	179	213.8
481439	5045395	186	156	153	200	211	181.2
481448	5045401	150	159	145	157	189	160
481456	5045406	186	197	143	171	146	168.6
481465	5045411	169	160	162	212	208	182.2
481475	5045418	191	134	153	135	153	153.2
481615	5045485	126	125	185	230	217	176.6
481621	5045492	207	182	173	130	167	171.8
481611	5045492	148	153	151	134	141	145.4
481600	5045490	156	139	157	270	262	196.8
481590	5045487	269	228	242	239	230	241.6
481580	5045485	263	278	254	243	277	263
481570	5045484	238	262	246	255	184	237
481559	5045480	182	192	199	189	182	188.8
481549	5045477	149	173	172	161	175	166
481539	5045470	215	225	184	226	163	202.6
481528	5045463	141	125	129	114	123	126.4
481518	5045455	127	123	112	88	115	113
481508	5045446	100	85	97	87	90	91.8
481499	5045439	102	93	89	124	143	110.2
481491	5045431	161	154	195	243	219	194.4
481485	5045424	95	112	106	117	100	106
481493	5045433	105	117	103	130	103	111.6
481507	5045444	108	146	132	140	123	129.8
481519	5045454	146	126	130	138	193	146.6
481529	5045459	214	231	224	226	244	227.8
481539	5045465	217	215	213	201	221	213.4
481551	5045470	208	193	178	167	134	176
481565	5045475	140	154	105	120	160	135.8
481575	5045478	174	102	121	168	132	139.4
481590	5045481	99	114	97	140	121	114.2
481603	5045483	112	125	114	150	129	126
481626	5045487	209	210	166	179	179	188.6
481702	5045501	256	298	292	263	257	273.2
481802	5045550	211	220	187	189	230	207.4
481806	5045622	152	194	183	166	158	170.6
481800	5045617	201	155	172	147	157	166.4

482248	5044880	255	236	227	202	163	216.6
482260	5044884	228	245	258	280	283	258.8
482270	5044889	247	251	220	257	230	241
482282	5044904	204	231	186	210	255	217.2
482302	5044270	229	240	239	250	253	242.2
482301	5044316	262	231	208	206	219	225.2
482319	5044297	156	141	157	177	184	163
482310	5044306	179	185	218	211	255	209.6
482294	5044326	230	231	228	235	213	227.4
482288	5044336	219	187	202	176	188	194.4
482282	5044344	194	215	218	221	203	210.2
482273	5044356	209	223	231	227	200	218
482264	5044368	202	218	212	203	226	212.2
482257	5044381	200	185	187	166	183	184.2
482252	5044391	209	182	183	171	158	180.6
482246	5044400	159	193	172	173	141	167.6
482248	5044389	158	182	162	171	180	170.6
482254	5044378	188	186	166	163	175	175.6
482262	5044367	185	168	191	163	176	176.6
482271	5044356	154	176	158	178	170	167.2
482281	5044343	189	166	191	186	200	186.4
482288	5044330	163	208	194	169	196	186
482296	5044318	187	161	173	197	178	179.2
482308	5044306	133	160	179	210	194	175.2
482316	5044296	203	165	168	182	196	182.8
482312	5044264	246	231	242	222	240	236.2
482290	5044275	282	267	298	258	251	271.2
482280	5044275	285	268	255	226	260	258.8
482268	5044279	264	240	264	241	254	252.6
482257	5044283	230	233	270	237	240	242
482248	5044288	262	259	279	292	310	280.4
482250	5044278	249	264	242	240	231	245.2
482261	5044275	231	210	196	194	211	208.4
482270	5044271	209	238	189	192	229	211.4
482282	5044267	282	258	242	270	262	262.8
482294	5044262	269	254	193	215	203	226.8
482305	5044257	234	223	199	268	209	226.6
482299	5044670	197	190	219	216	221	208.6
482238	5044603	229	216	202	232	253	226.4
482244	5044613	229	257	211	240	259	239.2
482250	5044620	264	272	255	248	245	256.8
482256	5044628	232	269	266	264	223	250.8
482264	5044636	283	253	235	204	242	243.4
482273	5044646	229	210	149	188	189	193
482282	5044656	161	205	187	219	192	192.8
482289	5044664	200	182	189	186	214	194.2
482307	5044678	253	247	250	223	223	239.2
482315	5044683	197	229	214	207	171	203.6
482324	5044691	191	198	224	213	199	205
482332	5044697	172	204	190	207	199	194.4
482340	5044704	222	209	211	214	217	214.6
482348	5044711	202	236	220	228	213	219.8
482357	5044718	224	202	213	227	185	210.2
482365	5044725	215	222	181	195	210	204.6
482377	5044730	188	198	193	194	172	189
482388	5044734	193	168	186	172	173	178.4
482367	5044733	123	144	134	148	168	143.4
482350	5044721	183	143	155	177	181	167.8
482335	5044709	143	189	195	191	189	181.4
482319	5044698	190	207	188	154	163	180.4
482306	5044686	205	178	194	168	172	183.4
482293	5044675	178	185	207	221	169	192
482281	5044660	191	159	195	201	196	188.4
482268	5044649	174	211	170	165	159	175.8
482261	5044638	162	179	159	154	157	162.2
482251	5044626	182	193	212	181	212	196
482243	5044614	165	194	168	189	176	178.4
482234	5044599	186	200	175	197	209	193.4
482419	5044225	148	176	188	205	227	188.8
482411	5044229	233	244	247	208	222	230.8
482401	5044235	202	211	244	229	220	221.2
482389	5044241	221	226	223	196	215	216.2
482377	5044247	215	261	305	275	221	255.4
482368	5044253	216	256	236	265	263	247.2
482361	5044261	214	241	192	185	174	201.2
482352	5044268	188	174	183	179	202	185.2
482343	5044277	226	254	240	169	121	202
482335	5044282	141	135	164	152	152	148.8
482327	5044289	141	156	157	139	141	146.8

481793	5045610	151	157	148	170	156	156.4
481785	5045601	153	156	143	151	145	149.6
481781	5045592	130	149	146	164	154	148.6
481779	5045582	161	164	167	164	189	169
481780	5045574	154	198	182	175	184	178.6
481785	5045569	202	180	182	219	149	186.4
481792	5045565	160	168	156	179	182	169
481796	5045557	159	156	214	210	230	193.8
481805	5045542	221	244	245	208	236	230.8
481806	5045531	223	250	261	231	250	243
481804	5045522	233	233	170	209	218	212.6
481798	5045511	222	207	211	209	205	210.8
481794	5045504	173	180	158	164	171	169.2
481789	5045500	182	186	202	180	177	185.4
481780	5045501	188	218	203	215	195	203.8
481768	5045501	189	153	202	204	232	196
481756	5045502	228	208	190	193	195	202.8
481745	5045503	187	169	198	179	176	181.8
481734	5045503	172	213	217	215	228	209
481723	5045503	212	227	284	266	291	256
481713	5045502	271	264	294	255	223	261.4
481694	5045502	197	232	226	267	250	234.4
481683	5045499	272	303	283	269	282	281.8
481673	5045499	295	275	253	241	226	258
481662	5045497	200	220	210	179	176	197
481653	5045496	155	157	135	128	151	145.2
481642	5045496	156	132	155	160	224	165.4
481632	5045494	225	204	209	191	261	218
481639	5045490	160	159	140	145	158	152.4
481650	5045492	190	241	270	256	271	245.6
481662	5045493	249	291	279	261	240	264
481676	5045495	246	236	219	201	199	220.2
481690	5045497	252	203	238	207	229	225.8
481704	5045499	222	254	245	270	211	240.4
481720	5045500	192	225	222	224	239	220.4
481734	5045500	229	230	168	196	196	203.8
481750	5045499	215	248	230	253	229	235
481764	5045497	271	227	252	263	261	254.8
481777	5045498	270	253	221	184	149	215.4
481789	5045498	154	155	161	174	170	162.8
481802	5045497	208	293	286	302	309	279.6
481891	5045501	145	160	145	155	165	154
481916	5045504	118	131	113	119	132	122.6
481903	5045501	113	126	131	173	137	136
481879	5045500	202	239	207	226	195	213.8
481867	5045500	199	191	142	166	182	176
481857	5045501	168	133	115	157	196	153.8
481847	5045500	195	179	190	186	157	181.4
481837	5045501	146	111	111	160	164	138.4
481828	5045505	159	169	240	311	291	234
481823	5045514	248	177	159	145	130	171.8
481820	5045525	112	147	126	101	139	125
481817	5045536	117	147	145	141	120	134
481815	5045547	130	115	97	128	151	124.2
481816	5045555	184	175	181	186	190	183.2
481824	5045559	210	211	210	195	195	204.2
481831	5045562	202	181	175	181	158	179.4
481837	5045570	155	174	162	175	157	164.6
481840	5045583	179	160	160	181	169	169.8
481839	5045593	138	201	154	178	160	166.2
481842	5045601	163	157	170	189	158	167.4
481843	5045610	142	173	165	146	169	159
481838	5045617	167	141	125	180	181	158.8
481831	5045621	194	186	196	204	193	194.6
481823	5045622	178	177	154	151	151	162.2
481815	5045623	164	155	165	171	159	162.8
481816	5045497	250	255	268	245	225	248.6
481829	5045498	253	250	213	189	200	221
481842	5045498	209	203	167	158	202	187.8
481857	5045499	215	207	177	149	147	179
481872	5045496	160	160	144	159	136	151.8
481887	5045494	151	148	131	148	137	143
481901	5045495	161	112	137	140	147	139.4
481915	5045497	136	140	136	152	160	144.8
481904	5045016	299	294	309	304	282	297.6
481917	5045068	261	270	238	270	282	264.2
481910	5045074	319	316	286	282	297	300
481901	5045075	283	278	300	315	277	290.6
481892	5045076	298	322	338	316	342	323.2

482327	5044287	169	180	150	148	174	164.2
482339	5044279	183	194	243	247	225	218.4
482349	5044270	207	186	162	177	198	186
482357	5044263	156	148	89	96	87	115.2
482361	5044255	87	100	105	116	138	109.2
482353	5044249	193	224	231	231	249	225.6
482346	5044252	245	261	242	246	246	248
482334	5044257	266	248	206	202	235	231.4
482323	5044260	255	250	288	276	223	258.4
482322	5044251	240	220	224	250	226	232
482334	5044248	236	277	253	274	258	259.6
482346	5044243	273	253	288	259	280	270.6
482361	5044239	251	227	237	232	200	229.4
482376	5044234	217	237	187	133	141	183
482390	5044231	103	131	157	168	161	144
482404	5044225	184	179	141	158	167	165.8
482540	5044233	146	150	143	151	137	145.4
482536	5044245	161	159	131	168	161	156
482530	5044260	182	152	154	144	155	157.4
482526	5044274	188	169	183	200	181	184.2
482523	5044289	179	171	172	176	161	171.8
482519	5044305	166	172	189	189	189	181
482517	5044318	240	207	246	213	233	227.8
482513	5044334	243	279	268	307	264	272.2
482515	5044349	218	250	217	250	253	237.6
482514	5044367	244	244	265	253	254	252
482516	5044379	253	274	287	282	248	268.8
482513	5044367	253	248	252	283	270	261.2
482512	5044348	251	265	263	261	223	252.6
482515	5044332	242	237	214	206	202	220.2
482519	5044313	186	168	178	187	165	176.8
482523	5044292	175	191	182	171	176	179
482527	5044266	166	172	166	159	179	168.4
482532	5044241	138	141	171	170	152	154.4
482385	5044740	127	101	149	143	134	130.8
482400	5044737	180	178	172	179	143	170.4
482414	5044741	176	187	154	147	150	162.8
482427	5044743	141	150	180	183	204	171.6
482440	5044746	184	225	151	171	157	177.6
482451	5044747	115	112	144	185	190	149.2
482463	5044750	170	128	117	139	113	133.4
482474	5044752	154	121	122	115	133	129
482482	5044755	136	137	141	142	149	141
482490	5044756	170	158	146	174	147	159
482501	5044758	139	137	163	141	141	144.2
482512	5044759	119	132	122	153	162	137.6
482509	5044883	179	172	185	207	211	190.8
482498	5044886	221	229	213	210	206	215.8
482436	5044908	305	315	361	361	245	317.4
482424	5044908	144	141	108	112	106	122.2
482406	5044911	108	119	118	121	216	136.4
482396	5044905	241	284	317	307	267	283.2
482391	5044893	171	131	152	166	133	150.6
482402	5044890	115	93	104	105	119	107.2
482411	5044889	121	117	105	98	98	107.8
482417	5044881	124	127	133	110	105	119.8
482426	5044881	139	172	136	127	122	139.2
482432	5044890	127	115	136	125	139	128.4
482435	5044900	135	119	119	219	258	170
482439	5044910	290	307	279	314	301	298.2
482460	5044905	272	291	293	251	196	260.6
482468	5044898	226	259	240	291	190	241.2
482484	5044888	199	202	182	195	164	188.4
482494	5044882	130	159	164	143	160	151.2
482508	5044876	165	149	170	165	165	162.8
482497	5044765	158	148	143	136	128	142.6
482480	5044763	153	142	96	112	118	124.2
482466	5044761	102	127	140	176	181	145.2
482451	5044757	210	162	219	231	228	210
482435	5044753	246	218	189	198	209	212
482419	5044749	195	158	169	127	107	151.2
482403	5044744	116	127	119	128	162	130.4
482454	5044547	253	219	216	221	188	219.4
482465	5044518	252	263	219	223	230	237.4
482460	5044534	227	198	216	203	216	212
482452	5044559	187	176	190	169	169	178.2
482454	5044577	163	181	178	176	158	171.2
482458	5044580	163	171	180	193	162	173.8
482457	5044576	162	194	193	201	164	182.8

481886	5045076	313	340	309	290	255	301.4
481876	5045074	316	329	286	307	311	309.8
481865	5045070	259	286	228	240	245	251.6
481858	5045058	270	306	280	289	237	276.4
481852	5045048	216	253	242	251	249	242.2
481849	5045037	232	218	231	224	272	235.4
481851	5045024	301	236	223	253	229	248.4
481861	5045018	266	259	316	288	300	285.8
481869	5045013	353	333	376	370	376	361.6
481876	5045008	320	369	363	336	354	348.4
481885	5045007	308	318	322	249	259	291.2
481897	5045012	298	296	296	339	313	308.4
481912	5045022	300	285	271	303	280	287.8
481919	5044791	331	306	389	335	330	338.2
481906	5044790	358	308	336	335	343	336
481896	5044782	329	328	330	300	322	321.8
481890	5044772	317	328	310	306	341	320.4
481887	5044759	294	335	312	352	338	326.2
481888	5044745	309	325	293	368	358	330.6
481895	5044731	319	339	329	346	317	330
481900	5044722	325	316	318	352	346	331.4
481910	5044715	322	340	313	344	343	332.4
481042	5044638	202	211	212	191	210	205.2
481081	5044531	184	208	212	206	209	203.8
481364	5044231	133	134	145	224	267	180.6
481345	5044223	219	207	194	191	217	205.6
481323	5044218	203	190	190	218	220	204.2
481300	5044214	176	191	224	207	201	199.8
481277	5044213	241	244	193	247	250	235
481265	5044217	212	167	228	184	189	196
481251	5044220	210	189	199	213	179	198
481239	5044223	211	193	230	189	211	206.8
481226	5044229	206	209	194	246	205	212
481214	5044238	211	222	237	206	218	218.8
481201	5044249	225	192	200	225	192	206.8
481187	5044260	198	189	201	223	204	203
481177	5044268	220	179	224	266	202	218.2
481168	5044278	202	227	227	236	261	230.6
481157	5044286	226	191	236	215	231	219.8
481148	5044294	227	215	218	222	207	217.8
481138	5044301	210	238	245	238	212	228.6
481128	5044310	227	219	235	194	213	217.6
481119	5044321	255	190	193	209	217	212.8
481116	5044335	233	228	260	235	280	247.2
481113	5044352	234	227	244	286	236	245.4
481111	5044369	249	239	206	227	234	231
481109	5044386	250	228	236	228	259	240.2
481107	5044400	241	214	257	242	253	241.4
481105	5044419	267	235	217	205	221	229
481103	5044432	234	219	255	241	250	239.8
481104	5044447	242	244	200	234	204	224.8
481104	5044463	260	240	210	228	245	236.6
481100	5044475	229	216	254	231	233	232.6
481097	5044486	270	251	261	249	241	254.4
481091	5044499	241	270	199	235	222	233.4
481087	5044515	204	191	212	188	189	196.8
481074	5044545	243	231	217	242	263	239.2
481065	5044559	255	254	226	232	254	244.2
481059	5044575	237	246	251	271	245	250
481054	5044591	251	268	298	256	243	263.2
481049	5044608	245	253	250	226	247	244.2
481044	5044623	221	271	248	217	196	230.6
481043	5044650	190	180	195	209	230	200.8
481041	5044664	256	246	271	199	248	244
481037	5044678	253	240	217	228	214	230.4
481692	5044185	192	178	198	174	163	181
481650	5044204	193	194	205	159	178	185.8
481606	5044215	157	190	188	172	177	176.8
481563	5044226	155	170	166	116	135	148.4
481526	5044238	107	89	101	138	139	114.8
481491	5044244	173	180	181	174	157	173
481457	5044250	132	146	121	106	122	125.4
481431	5044246	135	127	112	121	127	124.4
481403	5044240	135	136	119	121	129	128
481382	5044238	122	119	127	123	114	121
482553	5044206	141	165	146	147	139	147.6
482548	5044215	148	158	155	150	151	152.4
482546	5044223	150	144	143	178	162	155.4
482540	5044218	159	165	136	134	168	152.4
482456	5044576	160	147	190	152	168	163.4
482456	5044576	168	187	174	182	186	179.4
482456	5044576	156	189	194	174	178	178.2
482456	5044576	185	193	187	166	192	184.6
482456	5044576	164	180	188	201	153	177.2
482456	5044576	161	185	167	159	188	172
482456	5044577	168	153	183	171	181	171.2
482456	5044577	169	185	168	178	168	173.6
482456	5044577	180	171	172	157	180	172
482456	5044577	187	193	154	173	179	177.2
482456	5044577	187	167	180	187	146	173.4
482453	5044566	138	174	199	189	186	177.2
482450	5044553	206	204	201	212	240	212.6
482452	5044535	234	196	249	234	234	229.4
482459	5044519	261	284	258	260	274	267.4
482465	5044503	255	258	255	250	277	259
482469	5044618	243	232	231	211	203	224
482457	5044588	186	197	174	163	177	179.4
482463	5044601	188	172	201	200	190	190.2
482469	5044609	207	240	234	268	258	241.4
482469	5044618	244	226	265	266	245	249.2
482467	5044629	243	254	251	246	237	246.2
482468	5044637	252	250	268	250	268	257.6
482469	5044638	268	282	245	228	273	259.2
482469	5044638	288	236	263	260	269	263.2
482469	5044638	271	302	277	230	247	265.4
482469	5044638	277	259	255	273	285	269.8
482469	5044638	263	269	280	247	284	268.6
482469	5044638	261	263	270	274	251	263.8
482469	5044638	271	277	236	267	252	260.6
482469	5044638	272	269	243	282	233	259.8
482469	5044638	266	273	259	254	255	261.4
482469	5044638	259	274	274	290	260	271.4
482469	5044638	288	258	279	240	241	261.2
482469	5044638	256	248	242	256	255	251.4
482469	5044638	240	279	265	273	265	264.4
482469	5044638	251	276	254	261	236	255.6
482469	5044638	260	251	264	272	274	264.2
482469	5044638	258	276	254	249	294	266.2
482469	5044638	292	261	263	235	253	260.8
482469	5044638	278	268	252	286	287	274.2
482469	5044638	269	268	291	265	266	271.8
482469	5044638	269	255	263	270	268	265
482469	5044638	241	236	260	246	234	243.4
482469	5044638	252	238	276	288	273	265.4
482469	5044638	253	270	286	267	249	265
482469	5044638	284	251	279	242	245	260.2
482469	5044638	236	249	255	282	236	251.6
482469	5044638	261	278	250	287	265	268.2
482469	5044638	288	270	250	257	242	261.4
482468	5044635	259	244	215	244	242	240.8
482468	5044627	194	248	222	233	232	225.8
482471	5044611	184	211	190	182	201	193.6
482472	5044610	193	196	200	169	179	187.4
482478	5044614	165	161	187	194	179	177.2
482485	5044618	198	174	172	213	159	183.2
482493	5044622	156	204	170	197	194	184.2
482489	5044629	218	164	194	177	168	184.2
482483	5044620	197	183	172	189	172	182.6
482475	5044612	181	176	208	196	179	188
482470	5044604	190	154	169	182	187	176.4
482463	5044590	171	187	171	177	185	178.2
482448	5045003	208	112	133	116	84	130.6
482487	5044892	178	204	218	198	222	204
482473	5044898	280	272	268	264	289	274.6
482463	5044903	326	331	323	357	347	336.8
482454	5044910	323	354	364	382	384	361.4
482446	5044917	304	312	344	293	289	308.4
482446	5044967	314	302	268	265	236	277
482452	5044975	198	190	176	116	128	161.6
482461	5044979	138	158	206	243	271	203.2
482467	5044973	251	249	321	260	293	274.8
482474	5044965	334	297	339	278	176	284.8
482482	5044960	188	167	234	370	328	257.4
482490	5044958	353	335	373	399	377	367.4
482498	5044964	360	355	307	242	196	292
482503	5044970	268	350	352	370	357	339.4
482506	5044976	374	398	387	378	327	372.8
482511	5044983	332	363	356	395	366	362.4

482548	5044204	136	134	119	148	128	133
482550	5044204	130	85	87	69	81	90.4
482535	5043795	160	142	163	171	146	156.4
482501	5043807	176	142	156	172	141	157.4
482469	5043827	163	140	109	96	116	124.8
482436	5043847	172	170	150	115	151	151.6
482400	5043866	162	142	138	167	137	149.2
482365	5043882	167	142	137	136	137	143.8
482328	5043892	160	141	130	132	132	139
482289	5043908	131	120	112	107	122	118.4
482252	5043925	115	110	110	105	137	115.4
482214	5043942	144	135	156	126	131	138.4
482176	5043960	150	145	146	148	125	142.8
482151	5043971	126	142	145	126	134	134.6
482129	5043982	136	154	130	163	109	138.4
482104	5043996	126	151	137	129	122	133
482083	5044006	141	153	157	157	119	145.4
482053	5044021	150	146	159	188	163	161.2
482016	5044036	138	139	148	156	161	148.4
481970	5044053	164	131	159	141	157	150.4
481930	5044068	162	169	152	151	170	160.8
481895	5044081	181	158	184	172	183	175.6
481860	5044106	182	174	181	176	178	178.2
481821	5044127	159	175	162	189	168	170.6
482860	5044148	255	263	251	215	236	244
482860	5044148	261	216	227	233	230	233.4
482860	5044148	238	235	233	259	229	238.8
482853	5044136	257	277	285	271	252	268.4
482859	5044143	320	277	262	280	289	285.6
482862	5044150	233	224	257	249	221	236.8
482860	5044149	263	237	214	239	252	241
482860	5044148	232	240	264	253	274	252.6
482860	5044148	254	226	229	241	235	237
482860	5044148	222	209	237	239	248	231
482860	5044148	243	254	256	223	238	242.8
482860	5044148	245	230	222	252	243	238.4
482860	5044148	259	228	257	236	259	247.8
482860	5044148	263	225	230	253	262	246.6
482860	5044148	263	256	270	230	252	254.2
482860	5044148	287	228	247	212	245	243.8
482860	5044148	258	247	249	219	234	241.4
482860	5044148	244	229	219	271	239	240.4
482860	5044148	237	238	230	199	265	233.8
482860	5044148	250	224	244	221	221	232
482860	5044148	242	256	236	235	276	249
482860	5044148	240	231	227	245	248	238.2
482860	5044148	274	247	232	202	251	241.2
482860	5044148	271	271	224	228	255	249.8
482860	5044148	242	261	262	250	216	246.2
482860	5044148	262	213	216	276	222	237.8
482860	5044148	241	224	250	263	237	243
482860	5044148	266	235	241	265	259	253.2
482860	5044148	246	253	236	232	258	245
482860	5044148	233	224	230	239	220	229.2
482860	5044148	276	246	226	225	224	239.4
482860	5044148	209	244	241	233	234	232.2
482860	5044148	231	233	234	239	242	235.8
482860	5044148	248	238	232	271	254	248.6
482860	5044148	223	251	225	254	215	233.6
482860	5044148	251	232	251	247	249	246
482860	5044148	267	199	238	252	246	240.4
482860	5044148	231	238	230	238	255	238.4
482860	5044148	257	222	232	251	242	240.8
482860	5044148	238	212	246	247	238	236.2
482860	5044148	242	251	246	220	231	238
482860	5044148	244	241	254	259	249	249.4
482860	5044148	227	239	269	243	256	246.8
482860	5044148	213	222	241	235	219	226
482860	5044148	251	243	229	261	241	245
482859	5044147	289	259	272	269	243	266.4
482854	5044143	233	269	214	235	218	233.8
481774	5044140	179	169	201	181	170	180
481730	5044161	203	198	182	175	196	190.8
482479	5044211	102	95	103	113	95	101.6
482474	5044211	118	136	152	155	108	133.8
482464	5044213	147	127	111	125	111	124.2
482455	5044215	161	147	164	153	151	155.2
482449	5044217	147	153	145	130	189	152.8
482439	5044219	175	211	209	200	204	199.8

482518	5044990	329	381	365	322	302	339.8
482521	5044998	331	329	320	280	285	309
482524	5045008	307	275	316	286	310	298.8
482524	5045015	267	252	308	287	274	277.6
482523	5045023	264	270	293	266	250	268.6
482518	5045031	292	274	278	278	292	282.8
482510	5045036	261	278	268	262	312	276.2
482501	5045042	290	282	269	257	263	272.2
482491	5045045	277	266	267	262	244	263.2
482483	5045042	243	228	233	267	323	258.8
482475	5045037	281	300	327	290	234	286.4
482468	5045033	276	290	284	274	237	272.2
482462	5045026	281	278	295	249	266	273.8
482454	5045019	282	229	296	257	249	262.6
482449	5045014	259	294	282	253	285	274.6
482450	5044994	117	116	131	106	98	113.6
482452	5044986	147	149	152	158	161	153.4
482448	5044982	223	192	243	243	219	224
482517	5044391	281	275	276	283	273	277.6
482518	5044407	278	284	260	285	279	277.2
482512	5044422	261	256	227	270	263	255.4
482504	5044432	259	248	247	256	261	254.2
482498	5044438	228	236	232	233	230	231.8
482488	5044451	245	238	231	234	252	240
482480	5044467	258	251	254	265	249	255.4
482474	5044483	261	257	262	254	250	256.8
482469	5044500	224	232	259	256	270	248.2
482469	5044488	272	287	274	259	225	263.4
482474	5044468	217	251	250	250	200	233.6
482479	5044452	213	244	268	264	250	247.8
482490	5044439	240	272	272	231	265	256
482500	5044427	270	277	266	257	298	273.6
482508	5044414	244	267	228	278	233	250
482514	5044399	235	244	209	234	235	231.4
482515	5044383	237	255	228	266	235	244.2
482531	5044614	157	169	179	188	175	173.6
482524	5044627	186	168	176	182	164	175.2
482500	5044629	176	169	187	188	173	178.6
482509	5044633	162	162	181	205	205	183
482517	5044633	182	150	195	172	165	172.8
482527	5044619	224	174	177	176	155	181.2
482526	5044609	177	193	151	183	136	168
482530	5044599	145	179	184	163	150	164.2
482537	5044603	149	127	135	160	166	147.4
482525	5044622	186	165	184	164	178	175.4
482518	5044628	160	169	172	183	172	171.2
482510	5044633	160	174	185	171	190	176
482498	5044632	166	188	160	194	171	175.8
482568	5044757	164	122	139	134	115	134.8
482522	5044759	158	135	139	142	150	144.8
482533	5044759	141	134	133	157	126	138.2
482544	5044758	133	117	148	150	134	136.4
482555	5044758	125	162	121	153	132	138.6
482580	5044755	133	134	106	143	163	135.8
482591	5044752	137	129	127	144	131	133.6
482602	5044750	159	159	106	105	126	131
482614	5044751	152	152	184	195	173	171.2
482623	5044754	182	165	158	185	178	173.6
482629	5044757	171	176	150	165	157	163.8
482619	5044764	146	163	169	158	189	165
482610	5044772	149	125	146	113	102	127
482604	5044777	126	118	129	122	148	128.6
482605	5044789	129	160	143	169	184	157
482608	5044801	179	154	157	151	155	159.2
482609	5044811	165	155	158	134	124	147.2
482607	5044821	110	142	105	105	118	116
482602	5044832	117	126	109	119	117	117.6
482595	5044842	122	128	105	140	131	125.2
482584	5044849	144	125	128	172	172	148.2
482574	5044855	144	123	152	187	195	160.2
482563	5044860	192	175	182	181	203	186.6
482552	5044866	217	230	199	195	204	209
482541	5044870	215	217	197	230	211	214
482529	5044873	200	222	211	235	204	214.4
482517	5044878	201	245	225	192	196	211.8
482522	5044871	183	200	167	163	159	174.4
482534	5044867	202	177	171	173	192	183
482547	5044862	206	190	213	192	218	203.8
482559	5044856	214	219	204	184	188	201.8

482429	5044221	227	210	221	218	144	204
482418	5044220	165	134	163	160	164	157.2
482434	5044214	139	168	167	166	149	157.8
482444	5044212	155	180	165	154	115	153.8
482455	5044208	118	125	142	163	162	142
482466	5044205	149	142	107	88	91	115.4
482475	5044203	79	87	92	90	95	88.6
482535	5044200	127	103	108	136	105	115.8
482530	5044196	133	101	111	111	113	113.8
482520	5044197	92	112	90	108	84	97.2
482511	5044199	123	130	142	176	159	146
482503	5044203	177	180	178	188	186	181.8
482502	5044203	207	181	173	186	209	191.2
482501	5044204	174	187	165	189	167	176.4
482502	5044204	197	182	183	160	202	184.8
482502	5044204	191	201	194	166	185	187.4
482502	5044203	177	216	203	202	186	196.8
482502	5044203	152	173	194	199	183	180.2
482502	5044203	185	203	207	192	194	196.2
482502	5044202	191	160	173	200	182	181.2
482502	5044201	172	179	201	201	185	187.6
482502	5044201	147	176	189	175	168	171
482502	5044201	196	194	234	204	222	210
482497	5044200	216	176	185	122	133	166.4
482487	5044206	114	132	114	95	114	113.8
482486	5044198	96	98	116	92	86	97.6
482500	5044194	93	68	78	85	87	82.2
482511	5044192	70	56	83	91	72	74.4
482513	5044192	57	79	77	70	88	74.2
482514	5044192	80	77	53	81	82	74.6
482522	5044191	65	65	53	70	66	63.8
482530	5044190	61	79	80	75	74	73.8
482534	5044199	181	164	180	147	119	158.2
482529	5044196	75	102	80	78	88	84.6
482523	5044199	93	95	69	83	70	82
482520	5044204	88	88	104	83	79	88.4
482519	5044205	88	103	101	78	89	91.8
482519	5044204	92	83	79	79	95	85.6
482519	5044204	93	91	85	80	80	85.8
482519	5044205	90	106	86	84	91	91.4
482519	5044206	84	90	87	85	85	86.2
482519	5044206	74	78	84	83	76	79
482519	5044205	85	84	68	85	79	80.2
482519	5044205	93	82	75	78	85	82.6
482519	5044205	90	79	93	94	90	89.2
482519	5044205	79	108	83	84	83	87.4
482519	5044205	85	79	80	75	76	79
482519	5044205	92	90	91	87	93	90.6
482519	5044205	91	96	79	87	79	86.4
482519	5044205	80	84	86	97	87	86.8
482519	5044205	88	89	78	102	81	87.6
482519	5044205	91	86	78	97	99	90.2
482520	5044205	91	83	75	78	78	81
482522	5044204	74	84	68	76	78	76
482530	5044202	83	72	64	55	76	70
482555	5044192	72	88	82	61	89	78.4
482555	5044192	75	76	76	85	81	78.6
482538	5044188	76	79	111	141	148	111
482543	5044192	100	74	84	86	85	85.8
482543	5044192	64	81	97	67	76	77
482543	5044192	71	72	59	66	77	69
482543	5044192	95	68	65	72	71	74.2
482543	5044192	71	61	75	71	67	69
482543	5044192	68	73	82	86	70	75.8
482543	5044192	76	78	81	59	73	73.4
482543	5044192	75	79	79	74	75	76.4
482543	5044192	78	73	88	82	63	76.8
482543	5044192	80	80	82	68	77	77.4
482543	5044192	73	75	81	71	72	74.4
482540	5044193	66	79	80	112	97	86.8
482546	5044186	166	142	124	86	134	130.4
482551	5044185	130	156	101	91	68	109.2
482558	5044182	56	84	77	97	73	77.4
482553	5044196	121	140	95	120	177	130.6
482541	5044198	186	156	147	162	149	160
482543	5044200	127	117	130	126	135	127
482546	5044199	140	164	139	154	125	144.4
482547	5044198	127	139	155	125	126	134.4
482561	5044201	88	140	138	155	138	131.8

482570	5044850	160	178	181	168	147	166.8
482581	5044844	115	149	137	124	139	132.8
482592	5044838	119	129	118	116	123	121
482601	5044826	118	118	115	130	121	120.4
482605	5044812	161	146	143	178	183	162.2
482606	5044798	177	180	175	169	170	174.2
482606	5044785	155	172	183	161	160	166.2
482601	5044772	142	154	170	163	166	159
482588	5044765	131	179	157	151	164	156.4
482570	5044765	139	156	137	128	143	140.6
482551	5044767	116	129	127	148	114	126.8
482532	5044767	138	160	152	138	135	144.6
482514	5044765	129	113	124	133	166	133
482633	5044751	176	160	147	151	144	155.6
482642	5044750	171	149	164	158	154	159.2
482652	5044750	161	164	155	140	179	159.8
482662	5044749	159	164	159	141	138	152.2
482673	5044748	141	135	158	167	172	154.6
482684	5044747	167	174	154	135	139	153.8
482693	5044747	150	160	172	165	161	161.6
482702	5044747	140	158	141	167	188	158.8
482714	5044746	158	170	158	168	182	167.2
482726	5044745	172	169	172	161	151	165
482736	5044744	152	117	169	170	186	158.8
482746	5044743	192	159	155	150	162	163.6
482756	5044744	146	155	172	166	151	158
482766	5044743	154	146	131	137	132	140
482772	5044748	163	150	142	153	131	147.8
482759	5044749	184	162	148	130	147	154.2
482748	5044751	155	125	142	136	155	142.6
482737	5044749	174	147	133	126	146	145.2
482724	5044751	162	140	115	117	105	127.8
482712	5044751	123	115	128	111	140	123.4
482701	5044753	151	124	139	115	145	134.8
482689	5044756	117	130	157	143	143	138
482676	5044756	160	163	179	149	155	161.2
482663	5044754	164	151	150	153	156	154.8
482654	5044753	178	151	154	157	124	152.8
482642	5044754	162	140	154	189	172	163.4
482784	5044747	160	144	129	168	156	151.4
482845	5044682	258	262	241	316	280	271.4
482776	5044745	137	136	115	121	106	123
482787	5044746	99	119	125	137	153	126.6
482796	5044744	130	148	155	178	198	161.8
482805	5044744	164	186	155	132	145	156.4
482814	5044743	134	153	112	114	116	125.8
482821	5044741	123	117	139	146	137	132.4
482830	5044739	191	160	173	184	174	176.4
482838	5044738	194	200	215	184	157	190
482839	5044675	293	258	302	267	288	281.6
482837	5044668	276	283	326	282	277	288.8
482836	5044659	255	299	269	285	270	275.6
482837	5044652	275	272	297	303	294	288.2
482839	5044643	282	299	282	284	265	282.4
482844	5044633	274	279	258	273	245	265.8
482842	5044744	121	135	169	172	195	158.4
482832	5044747	165	177	172	143	174	166.2
482823	5044745	135	129	87	112	129	118.4
482813	5044745	125	144	109	129	134	128.2
482803	5044746	148	156	167	196	187	170.8
482793	5044747	172	201	178	163	168	176.4
482890	5044686	230	235	251	248	267	246.2
482848	5044733	162	170	170	167	164	166.6
482853	5044723	125	132	129	161	149	139.2
482856	5044711	200	185	174	190	175	184.8
482857	5044701	157	186	240	246	261	218
482856	5044694	227	235	227	234	225	229.6
482852	5044687	221	217	232	256	252	235.6
482854	5044625	286	266	251	273	246	264.4
482863	5044621	245	238	208	215	240	229.2
482873	5044621	245	242	258	279	226	250
482882	5044623	253	261	247	255	248	252.8
482891	5044625	245	243	248	250	263	249.8
482900	5044627	274	237	236	265	258	254
482907	5044630	217	264	251	249	256	247.4
482912	5044636	249	252	261	245	281	257.6
482917	5044644	252	259	287	264	280	268.4
482919	5044653	260	277	279	258	239	262.6
482918	5044663	256	311	287	282	284	284

482546	5044202	161	153	136	121	102	134.6
482545	5044191	76	76	87	78	71	77.6
482538	5044190	77	71	77	80	98	80.6
482538	5044200	75	80	72	78	68	74.6
482545	5044198	84	82	92	99	83	88
482555	5044196	79	81	76	66	86	77.6
482560	5044191	78	88	80	75	83	80.8
482560	5044187	75	79	78	60	80	74.4
482556	5044190	79	66	80	89	70	76.8
482554	5044192	79	92	101	90	77	87.8
482554	5044192	84	91	80	70	69	78.8
482555	5044192	80	77	79	69	79	76.8
482555	5044192	76	80	78	71	68	74.6
482555	5044192	91	96	71	82	66	81.2
482555	5044192	74	81	91	81	80	81.4
482555	5044192	83	73	87	78	67	77.6
482555	5044192	82	73	82	69	76	76.4
482555	5044192	65	71	77	76	77	73.2
482555	5044192	86	65	73	62	59	69
482555	5044192	72	79	76	85	77	77.8
482555	5044192	67	68	66	60	77	67.6
482557	5044185	90	104	116	128	144	116.4
482560	5044175	157	186	201	214	238	199.2
482565	5044181	124	169	183	221	194	178.2
482573	5044180	195	186	209	152	157	179.8
482582	5044179	177	180	165	170	161	170.6
482587	5044191	163	158	135	172	183	162.2
482577	5044192	147	160	175	150	173	161
482566	5044194	154	168	164	145	132	152.6
482582	5044198	103	92	90	80	96	92.2
482570	5044144	272	282	268	265	212	259.8
482562	5044165	254	242	264	254	275	257.8
482566	5044155	273	226	279	239	250	253.4
482574	5044131	228	261	278	262	234	252.6
482578	5044117	277	234	261	268	269	261.8
482582	5044101	273	287	261	296	290	281.4
482589	5044078	255	290	251	211	176	236.6
482595	5044052	155	177	151	183	198	172.8
482603	5044027	240	213	235	217	224	225.8
482607	5044004	276	258	280	303	267	276.8
482613	5043988	258	297	271	253	214	258.6
482679	5044163	155	152	134	130	142	142.6
482592	5044177	168	173	152	163	176	166.4
482604	5044176	178	186	173	207	203	189.4
482615	5044176	193	210	180	192	160	187
482630	5044173	151	176	176	185	170	171.6
482645	5044169	163	157	140	141	171	154.4
482663	5044166	176	198	200	183	174	186.2
482697	5044161	125	146	161	208	202	168.4
482714	5044158	196	190	173	187	203	189.8
482730	5044156	181	175	143	189	202	178
482735	5044168	306	257	278	281	293	283
482726	5044171	255	318	284	250	229	267.2
482716	5044172	212	236	293	256	272	253.8
482709	5044173	292	243	216	233	249	246.6
482701	5044174	198	235	245	274	266	243.6
482692	5044175	254	243	222	227	268	242.8
482681	5044175	260	253	259	242	229	248.6
482674	5044178	218	206	228	170	149	194.2
482666	5044180	140	153	142	133	120	137.6
482656	5044181	126	105	165	197	215	161.6
482646	5044181	244	216	222	190	198	214
482637	5044180	182	200	172	198	189	188.2
482627	5044182	228	199	192	178	169	193.2
482616	5044186	168	175	175	180	195	178.6
482605	5044188	190	184	202	213	189	195.6
482595	5044190	213	186	152	161	160	174.4
482732	5044174	91	113	100	107	120	106.2
482703	5044179	97	112	85	111	107	102.4
482670	5044183	84	79	91	89	96	87.8
482640	5044187	99	80	77	107	113	95.2
482609	5044191	114	95	80	101	90	96
482628	5043829	132	133	105	146	137	130.6
482628	5043825	143	136	152	129	120	136
482638	5043852	151	166	142	144	130	146.6
482645	5043883	137	121	130	143	150	136.2
482640	5043915	116	119	141	155	153	136.8
482631	5043944	160	159	170	186	172	169.4
482629	5043964	178	144	194	180	231	185.4

482916	5044675	269	260	250	284	265	265.6
482910	5044686	294	259	253	246	256	261.6
482898	5044687	231	236	203	170	206	209.2
482880	5044689	260	261	253	264	255	258.6
482874	5044694	231	242	224	216	214	225.4
482869	5044698	216	223	225	253	203	224
482861	5044710	204	201	237	183	202	205.4
482857	5044720	199	215	190	185	219	201.6
482855	5044728	218	156	137	94	102	141.4
482849	5044738	93	116	146	116	151	124.4
482901	5044311	228	165	159	178	150	176
482856	5044226	134	172	159	161	148	154.8
482857	5044236	151	135	133	168	146	146.6
482862	5044246	136	150	158	139	129	142.4
482870	5044253	127	141	144	129	134	135
482880	5044260	131	158	165	131	145	146
482889	5044269	168	146	144	153	170	156.2
482892	5044280	181	169	137	176	165	165.6
482893	5044291	196	128	158	176	159	163.4
482896	5044301	151	143	152	166	175	157.4
482896	5044304	116	187	128	164	174	153.8
482895	5044301	127	172	162	164	135	152
482894	5044298	119	172	182	139	152	152.8
482893	5044298	169	137	142	141	132	144.2
482893	5044298	155	138	150	160	158	152.2
482893	5044298	135	148	178	151	167	155.8
482893	5044298	148	164	151	161	142	153.2
482892	5044298	164	134	163	143	143	149.4
482892	5044298	146	137	157	145	149	146.8
482892	5044298	163	149	172	154	137	155
482892	5044298	131	158	160	159	152	152
482895	5044299	201	157	140	152	146	159.2
482899	5044304	169	206	187	173	250	197
482907	5044314	146	178	162	177	191	170.8
482913	5044318	211	178	170	172	177	181.6
482915	5044323	158	193	168	165	173	171.4
482916	5044329	171	142	165	158	147	156.6
482918	5044337	148	148	183	193	176	169.6
482918	5044345	161	158	189	170	183	172.2
482920	5044351	155	142	174	159	134	152.8
482920	5044363	178	171	138	138	139	152.8
482920	5044371	141	157	174	155	152	155.8
482920	5044380	158	168	178	170	147	164.2
482918	5044387	154	169	177	157	162	163.8
482917	5044393	159	197	155	178	162	170.2
482917	5044401	128	146	156	139	159	145.6
482918	5044403	174	174	138	166	166	163.6
482918	5044402	137	174	143	152	187	158.6
482919	5044406	176	160	174	148	169	165.4
482924	5044410	174	194	207	208	189	194.4
482929	5044415	185	192	199	154	153	176.6
482936	5044419	166	182	201	170	175	178.8
482941	5044422	169	188	172	188	209	185.2
482945	5044425	174	175	205	173	189	183.2
482950	5044429	187	189	190	189	186	188.2
482953	5044430	190	176	171	158	154	169.8
482958	5044433	157	160	157	147	144	153
482961	5044436	145	133	149	153	143	144.6
482967	5044440	157	140	155	138	141	146.2
482972	5044445	195	168	165	186	170	176.8
482975	5044448	188	170	185	162	203	181.6
482981	5044449	175	202	188	158	176	179.8
482987	5044453	165	165	151	186	178	169
482993	5044454	168	173	161	173	156	166.2
482998	5044455	178	140	147	142	139	149.2
483004	5044456	131	171	176	151	151	156
483009	5044460	176	140	173	155	151	159
483017	5044464	162	122	154	146	155	147.8
483025	5044466	155	147	127	145	144	143.6
483029	5044467	166	151	138	120	157	146.4
483037	5044469	149	160	145	148	124	145.2
483044	5044472	115	119	137	135	117	124.6
483049	5044476	147	124	115	146	137	133.8
483050	5044479	119	143	157	143	123	137
483055	5044482	133	109	117	133	155	129.4
483058	5044484	144	138	144	116	151	138.6
483062	5044486	160	132	144	149	191	155.2
483066	5044491	182	182	186	165	167	176.4
482957	5045697	134	123	132	145	132	133.2

482630	5043992	201	176	179	179	192	185.4
482642	5044015	158	165	159	148	169	159.8
482667	5044028	122	163	164	149	135	146.6
482695	5044035	129	104	108	124	99	112.8
482729	5044044	117	131	219	207	237	182.2
482766	5044056	229	211	196	209	201	209.2
482628	5043832	157	159	123	138	130	141.4
482641	5043864	140	117	133	134	140	132.8
482649	5043896	131	121	136	128	139	131
482641	5043930	139	146	155	171	157	153.6
482630	5043966	182	156	183	153	171	169
482629	5044001	214	178	189	216	182	195.8
482649	5044030	178	186	173	199	160	179.2
482673	5044042	151	122	120	120	114	125.4
482710	5044050	121	100	118	172	236	149.4
482622	5043976	181	184	209	185	175	186.8
482624	5043962	172	196	192	189	211	192
482623	5043957	148	202	189	201	200	188
482623	5043955	192	186	176	165	138	171.4
482626	5043943	165	163	146	116	134	144.8
482630	5043934	134	164	119	126	148	138.2
482637	5043917	145	120	146	147	143	140.2
482644	5043888	137	148	161	122	147	143
482638	5043858	134	137	144	127	112	130.8
482808	5043577	91	85	85	91	83	87
482841	5043550	149	129	100	97	90	113
482777	5043601	94	111	170	178	173	145.2
482751	5043626	155	158	158	137	173	156.2
482729	5043659	162	172	143	197	161	167
482707	5043693	161	155	147	145	152	152
482681	5043722	157	140	167	161	144	153.8
482653	5043745	136	131	167	186	191	162.2
482631	5043766	206	182	234	226	207	211
482624	5043779	188	180	188	186	150	178.4
482622	5043798	150	134	141	134	144	140.6
482843	5043559	147	121	94	93	87	108.4
482803	5043591	85	77	78	87	129	91.2
482763	5043621	169	185	183	161	169	173.4
482733	5043654	169	170	153	177	165	166.8
482707	5043698	143	133	133	159	166	146.8
482673	5043733	178	171	168	147	148	162.4
482643	5043758	172	219	213	240	245	217.8
482624	5043793	240	190	168	133	126	171.4
482619	5043796	162	108	148	139	130	137.4
482627	5043772	142	128	119	140	118	129.4
482628	5043762	133	130	127	148	170	141.6
482624	5043767	158	164	173	175	173	168.6
482625	5043768	146	164	158	159	160	157.4
482621	5043770	171	167	177	171	162	169.6
482607	5043779	178	156	170	160	188	170.4
482593	5043785	174	162	181	158	170	169
482566	5043790	161	157	156	162	164	160
482744	5044154	213	215	191	227	212	211.6
482760	5044150	232	212	235	253	229	232.2
482771	5044146	253	244	207	224	237	233
482782	5044141	205	217	202	167	159	190
482793	5044146	284	238	257	248	256	256.6
482786	5044150	275	283	220	268	254	260
482778	5044156	259	267	285	305	339	291
482769	5044160	344	284	319	288	329	312.8
482763	5044163	273	314	318	322	291	303.6
482754	5044165	277	313	298	298	290	295.2
482746	5044166	288	287	346	256	255	286.4
482741	5044167	258	237	248	265	281	257.8
482793	5044076	181	217	226	225	196	209
482753	5044060	206	223	223	223	215	218
482788	5044077	219	225	224	232	227	225.4
482787	5044153	202	210	228	215	243	219.6
482760	5044167	198	208	165	123	98	158.4
482820	5044111	113	166	128	135	141	136.6
482794	5044135	171	203	225	234	201	206.8
482803	5044126	198	226	198	207	241	214
482809	5044118	231	250	259	259	234	246.6
482810	5044115	284	238	190	173	248	226.6
482815	5044130	191	198	198	235	224	209.2
482808	5044134	220	193	222	242	240	223.4
482803	5044138	276	259	236	270	258	259.8
482796	5044142	235	245	254	264	262	252
482811	5044098	195	199	187	200	191	194.4
482950	5045704	159	140	136	144	130	141.8
482964	5045694	131	129	187	216	217	176
482975	5045691	220	193	147	143	143	169.2
482986	5045690	133	136	138	144	151	140.4
482997	5045690	181	139	121	128	128	139.4
483010	5045690	153	145	150	212	200	172
483022	5045691	221	205	230	210	200	213.2
483033	5045691	192	165	173	220	171	184.2
483046	5045691	162	138	118	112	141	134.2
483055	5045689	119	124	120	148	170	136.2
483065	5045689	195	161	145	187	160	169.6
483074	5045688	187	168	184	190	158	177.4
483080	5045689	172	170	182	199	208	186.2
483079	5045688	177	161	168	186	153	169
483079	5045688	169	192	176	177	128	168.4
483085	5045688	123	113	116	94	124	114
483094	5045693	125	117	94	99	119	110.8
483103	5045696	109	100	139	119	93	112
483113	5045698	105	106	112	130	97	110
483122	5045702	119	103	96	79	87	96.8
483132	5045705	76	91	77	92	98	86.8
483146	5045709	81	73	81	104	87	85.2
483080	5044504	211	216	226	250	251	230.8
483072	5044494	157	167	168	180	175	169.4
483076	5044498	165	218	195	235	251	212.8
483084	5044506	263	214	235	174	180	213.2
483090	5044509	191	180	164	155	160	170
483093	5044512	183	188	166	181	190	181.6
483097	5044517	204	217	181	174	183	191.8
483102	5044520	178	178	142	152	148	159.6
483108	5044525	165	146	158	159	175	160.6
483111	5044529	167	156	188	162	162	167
483115	5044533	154	177	153	168	164	163.2
483121	5044535	148	182	164	164	169	165.4
483126	5044537	169	187	190	188	157	178.2
483132	5044538	175	180	164	124	171	162.8
483139	5044539	177	145	143	134	144	148.6
483144	5044540	167	168	161	175	189	172
483147	5044541	179	187	168	190	181	181
483152	5044542	197	166	193	190	198	188.8
483157	5044544	168	164	183	150	188	170.6
483161	5044545	178	149	145	178	206	171.2
483166	5044547	196	187	181	189	208	192.2
483225	5045589	163	173	162	153	153	160.8
483170	5045716	83	92	99	85	88	89.4
483158	5045713	97	93	86	103	96	95
483178	5045718	86	96	105	103	96	97.2
483186	5045721	123	108	133	144	116	124.8
483195	5045724	141	109	96	107	95	109.6
483204	5045727	114	108	96	84	90	98.4
483216	5045730	90	102	100	106	110	101.6
483226	5045732	118	114	113	104	93	108.4
483236	5045736	107	144	89	80	91	102.2
483247	5045741	84	100	100	95	105	96.8
483244	5045651	190	247	273	258	289	251.4
483235	5045654	261	248	260	290	272	266.2
483227	5045659	287	335	311	314	301	309.6
483217	5045662	287	253	242	246	252	256
483206	5045662	297	271	291	309	200	273.6
483197	5045661	144	123	118	103	107	119
483189	5045655	124	138	123	120	146	130.2
483183	5045650	123	134	100	122	117	119.2
483179	5045641	122	107	98	107	107	108.2
483181	5045631	96	133	151	127	131	127.6
483183	5045623	122	125	123	131	169	134
483187	5045614	205	164	179	175	171	178.8
483190	5045606	145	128	112	110	124	123.8
483193	5045597	128	103	154	135	142	132.4
483200	5045589	177	157	178	125	142	155.8
483208	5045586	167	162	186	179	211	181
483217	5045587	186	185	201	179	185	187.2
483234	5045590	149	141	140	132	136	139.6
483244	5045594	142	149	156	174	176	159.4
483251	5045603	161	145	107	135	136	136.8
483252	5045614	122	127	148	156	147	140
483253	5045624	148	143	122	142	116	134.2
483252	5045632	127	103	122	110	105	113.4
483254	5045641	133	133	119	134	124	128.6
483184	5044558	147	137	126	129	111	130

482819	5044110	178	218	193	175	190	190.8
482819	5044110	189	189	198	188	191	191
482819	5044110	187	206	176	189	188	189.2
482819	5044110	192	190	171	242	198	198.6
482819	5044110	209	199	206	199	193	201.2
482820	5044109	185	201	195	171	185	187.4
482820	5044109	185	222	174	195	191	193.4
482820	5044109	204	188	187	177	216	194.4
482820	5044109	186	198	181	193	176	186.8
482820	5044109	160	167	166	199	193	177
482820	5044109	202	191	188	189	189	191.8
482820	5044109	174	176	191	211	184	187.2
482820	5044109	204	179	183	191	208	193
482820	5044109	198	212	191	209	193	200.6
482820	5044109	180	175	192	188	199	186.8
482820	5044109	191	205	178	168	194	187.2
482820	5044109	190	206	188	208	184	195.2
482814	5044120	145	154	169	187	165	164
482805	5044129	187	182	219	219	207	202.8
482801	5044132	204	212	221	216	214	213.4
482801	5044132	217	187	229	195	214	208.4
482801	5044137	187	159	138	164	155	160.6
482804	5044144	171	127	128	148	142	143.2
482804	5044147	151	137	146	147	146	145.4
482804	5044147	142	151	147	137	124	140.2
482805	5044148	144	136	133	118	139	134
482810	5044153	134	108	142	127	149	132
482816	5044159	148	127	133	137	130	135
482823	5044165	142	146	126	132	120	133.2
482812	5044106	220	248	221	220	172	216.2
482812	5044134	187	225	212	189	213	205.2
482820	5044109	211	199	202	224	183	203.8
482824	5044112	257	290	278	263	257	269
482838	5044119	258	250	258	281	255	260.4
482846	5044127	272	246	267	242	229	251.2
482842	5044135	262	201	177	137	132	181.8
482837	5044130	121	109	155	125	131	128.2
482830	5044129	146	103	112	106	93	112
482823	5044127	108	117	141	141	159	133.2
482820	5044109	176	181	201	202	186	189.2
482820	5044109	214	185	202	179	199	195.8
482820	5044109	219	187	208	193	204	202.2
482820	5044109	187	177	182	190	218	190.8
482820	5044109	217	189	202	190	221	203.8
482820	5044108	183	168	162	161	212	177.2
482820	5044108	181	218	185	187	197	193.6
482820	5044108	204	212	205	203	216	208
482820	5044108	188	203	197	182	192	192.4
482820	5044108	195	182	208	181	164	186
482820	5044108	176	193	179	191	202	188.2
482820	5044108	176	197	227	204	197	200.2
482820	5044108	189	198	200	191	193	194.2
482820	5044108	184	196	176	198	171	185
482820	5044108	162	190	171	137	128	157.6
482837	5044175	148	135	139	138	159	143.8
482848	5044140	252	208	214	240	216	226
482834	5044168	133	165	133	138	132	140.2
482841	5044182	131	162	148	139	154	146.8
482846	5044190	133	153	172	146	166	154
482850	5044200	154	137	154	146	137	145.6
482853	5044209	136	147	155	142	142	144.4
482855	5044217	121	151	176	163	152	152.6
482870	5044155	214	214	237	263	258	237.2
482865	5044148	254	258	251	254	273	258
482867	5044149	282	274	267	264	253	268
482867	5044149	271	259	290	261	263	268.8
482867	5044149	240	270	256	268	243	255.4
482867	5044150	253	286	261	270	261	266.2
482868	5044150	257	259	260	248	289	262.6
482868	5044150	259	248	283	284	282	271.2
482868	5044150	244	254	274	276	237	257
482868	5044150	247	238	263	271	259	255.6
482868	5044150	283	268	271	280	231	266.6
482868	5044150	276	251	249	256	243	255
482868	5044150	306	261	267	282	277	278.6
482868	5044150	268	248	247	302	279	268.8
482868	5044150	266	269	233	261	270	259.8
482868	5044150	283	247	246	265	239	256
482868	5044150	252	280	256	260	268	263.2

483169	5044549	200	210	174	156	160	180
483173	5044551	162	155	153	167	167	160.8
483177	5044553	150	189	180	187	150	171.2
483180	5044556	159	151	145	139	143	147.4
483189	5044561	108	109	128	124	124	118.6
483193	5044565	143	126	137	144	122	134.4
483201	5044566	128	108	132	124	125	123.4
483205	5044566	124	122	130	113	136	125
483206	5044569	130	139	145	157	164	147
483210	5044573	169	183	177	163	172	172.8
483214	5044578	161	180	176	185	151	170.6
483216	5044581	156	141	164	164	157	156.4
483220	5044584	140	145	147	173	159	152.8
483223	5044585	165	158	133	141	179	155.2
483225	5044588	130	151	152	174	142	149.8
483228	5044590	176	146	142	146	148	151.6
483230	5044592	183	160	156	133	156	157.6
483235	5044596	171	151	140	155	178	159
483234	5044599	159	152	181	148	155	159
483236	5044602	150	181	156	149	161	159.4
483238	5044604	144	157	134	156	152	148.6
483243	5044606	189	152	126	149	111	145.4
483248	5044607	167	163	151	148	146	155
483250	5044611	139	178	173	161	146	159.4
483254	5044613	141	145	142	141	153	144.4
483256	5044618	149	146	124	131	138	137.6
483258	5044624	138	150	124	136	137	137
483350	5044689	194	163	187	189	185	183.6
483261	5044627	137	133	128	148	132	135.6
483266	5044629	141	141	157	177	156	154.4
483271	5044632	147	147	90	112	115	122.2
483276	5044635	117	168	153	168	153	151.8
483280	5044639	146	139	144	135	124	137.6
483285	5044642	151	138	136	146	145	143.2
483290	5044644	131	150	153	168	139	148.2
483295	5044646	175	142	135	127	132	142.2
483298	5044650	126	134	140	116	125	128.2
483301	5044654	157	139	153	143	135	145.4
483305	5044657	152	158	177	174	205	173.2
483308	5044660	178	202	177	155	153	173
483312	5044663	124	156	183	192	191	169.2
483316	5044665	214	209	209	202	203	207.4
483319	5044667	202	211	207	185	197	200.4
483321	5044671	192	181	213	186	224	199.2
483324	5044674	184	195	191	201	190	192.2
483331	5044677	185	207	205	205	201	200.6
483336	5044680	212	202	199	204	190	201.4
483340	5044684	203	195	204	221	188	202.2
483344	5044686	199	217	169	184	180	189.8
483356	5044690	198	204	174	188	164	185.6
483361	5044692	189	184	181	200	189	188.6
483295	5045668	71	83	95	96	101	89.2
483257	5045745	106	106	112	109	99	106.4
483268	5045748	112	119	93	115	133	114.4
483279	5045749	105	107	107	97	112	105.6
483296	5045748	88	85	83	100	91	89.4
483309	5045745	77	92	97	104	91	92.2
483314	5045744	67	86	83	73	61	74
483332	5045736	106	77	90	66	75	82.8
483340	5045729	81	76	70	80	86	78.6
483344	5045723	77	75	107	97	92	89.6
483346	5045709	87	87	76	95	85	86
483341	5045696	96	114	89	103	78	96
483334	5045690	100	89	74	67	83	82.6
483330	5045687	68	80	80	91	79	79.6
483321	5045682	83	95	97	87	75	87.4
483312	5045677	65	80	89	68	68	74
483305	5045673	65	72	62	76	88	72.6
483287	5045663	128	107	127	97	116	115
483278	5045658	107	98	104	115	94	103.6
483269	5045654	93	108	105	118	124	109.6
483261	5045653	107	126	142	142	132	129.8
483253	5045651	95	115	153	174	174	142.2
483261	5045647	108	126	94	92	89	101.8
483270	5045650	95	92	88	81	96	90.4
483280	5045655	93	112	103	68	86	92.4
483291	5045658	89	90	71	94	84	85.6
483302	5045662	82	75	84	80	76	79.4
483313	5045667	84	64	80	56	57	68.2

482867	5044150	280	271	248	258	264	264.2
482867	5044150	252	284	243	241	258	255.6
482867	5044150	273	254	238	248	253	253.2
482867	5044150	262	259	278	244	274	263.4
482867	5044151	263	261	238	261	276	259.8
482867	5044151	269	277	264	267	241	263.6
482866	5044152	254	276	285	241	282	267.6
482868	5044155	202	177	239	232	264	222.8
482875	5044161	256	263	232	277	260	257.6
482872	5044160	245	213	190	207	172	205.4
482900	5044222	315	300	284	304	294	299.4
482891	5044213	269	306	285	241	221	264.4
482883	5044202	218	183	178	234	164	195.4
482880	5044190	200	190	205	234	221	210
482894	5044159	257	255	272	282	288	270.8
482885	5044162	285	286	300	270	260	280.2
482902	5044154	283	252	266	255	285	268.2
482880	5044178	232	234	287	311	290	270.8
482878	5044168	249	251	266	249	232	249.4
482941	5044212	222	208	207	195	210	208.4
482913	5044147	278	258	240	241	273	258
482927	5044144	296	282	317	287	307	297.8
482941	5044150	317	294	287	306	305	301.8
482949	5044159	303	325	290	299	300	303.4
482954	5044169	222	267	235	252	228	240.8
482957	5044180	224	189	219	212	257	220.2
482954	5044194	251	267	240	220	232	242
482948	5044203	247	218	243	237	203	229.6
482933	5044219	223	230	208	220	209	218
482924	5044227	230	231	252	261	245	243.8
482911	5044229	318	311	316	299	298	308.4
482061	5045502	116	128	115	126	111	119.2
482052	5045504	109	115	142	151	121	127.6
482043	5045507	113	94	84	105	105	100.2
482033	5045508	79	89	94	104	92	91.6
482023	5045511	73	80	73	79	79	76.8
482014	5045514	87	86	71	76	78	79.6
482002	5045516	80	76	81	81	82	80
481992	5045516	93	81	85	89	101	89.8
481982	5045516	87	107	88	77	101	92
481970	5045515	96	76	93	115	94	94.8
481961	5045512	106	96	107	127	134	114
481950	5045509	130	101	109	125	139	120.8
481938	5045507	130	125	128	142	109	126.8
481928	5045506	124	144	116	143	117	128.8
481930	5045498	175	159	157	169	151	162.2
481945	5045499	136	141	142	125	117	132.2
481958	5045503	128	97	96	112	89	104.4
481970	5045506	93	100	108	96	118	103
481985	5045507	109	103	115	114	120	112.2
482005	5045505	104	124	122	112	108	114
482019	5045503	119	132	116	118	147	126.4
482033	5045500	156	147	173	157	167	160
482043	5045499	156	165	196	178	181	175.2
482058	5045497	209	171	135	171	141	165.4
481950	5045004	271	290	312	274	327	294.8
482104	5044918	369	352	340	292	303	331.2
482093	5044924	311	317	342	286	334	318
482083	5044929	285	305	292	271	310	292.6
482073	5044936	258	275	292	298	272	279
482062	5044941	259	292	289	282	295	283.4
482053	5044946	266	278	314	314	318	298
482042	5044954	258	259	240	242	284	256.6
482030	5044961	287	274	266	276	263	273.2
482018	5044970	191	226	266	246	209	227.6
482005	5044977	212	222	217	187	248	217.2
481993	5044986	196	249	204	236	267	230.4
481979	5044996	254	292	280	271	283	276
481966	5045004	277	321	290	252	284	284.8
481952	5045013	298	295	298	277	277	289
481943	5045018	280	287	304	319	289	295.8
481935	5045023	274	255	289	294	244	271.2
481928	5045031	242	235	257	266	265	253
481926	5045044	269	331	330	355	343	325.6
481924	5045057	323	281	302	343	246	299
481922	5045024	295	296	283	290	316	296
481930	5045018	274	291	314	282	292	290.6
481941	5045011	272	269	264	285	279	273.8
481961	5044996	296	325	280	288	290	295.8

483321	5045672	60	64	53	65	71	62.6
483330	5045677	89	93	105	83	86	91.2
483340	5045686	96	99	118	107	99	103.8
483349	5045694	85	79	101	95	98	91.6
483356	5045698	101	118	93	95	84	98.2
483367	5045704	82	102	87	101	93	93
483375	5045705	94	96	78	107	109	96.8
483385	5045698	104	100	100	114	127	109
483392	5045695	124	132	130	119	128	126.6
483364	5044694	194	179	187	193	157	182
483368	5044696	163	165	148	179	162	163.4
483370	5044697	161	150	167	166	168	162.4
483377	5044698	161	147	165	188	188	169.8
483379	5044699	173	197	177	178	150	175
483384	5044700	149	161	168	185	198	172.2
483387	5044700	194	191	185	161	143	174.8
483391	5044703	170	157	156	116	149	149.6
483396	5044705	149	135	157	163	139	148.6
483402	5044707	136	154	150	177	163	156
483405	5044710	186	175	234	213	207	203
483408	5044712	218	216	213	202	186	207
483412	5044713	200	169	180	169	199	183.4
483416	5044715	217	214	174	192	206	200.6
483423	5044717	195	211	188	198	181	194.6
483425	5044718	176	149	171	177	156	165.8
483431	5044720	162	178	199	180	179	179.6
483433	5044721	180	203	216	197	153	189.8
483435	5044725	180	201	188	182	149	180
483439	5044728	138	169	132	124	148	142.2
483444	5044729	146	140	145	146	173	150
483449	5044731	155	158	137	169	113	146.4
483452	5044733	127	154	129	145	170	145
483456	5044734	150	157	157	136	149	149.8
483540	5045694	105	97	126	99	97	104.8
483400	5045690	113	135	124	116	144	126.4
483412	5045685	189	134	91	87	79	116
483423	5045684	116	92	89	90	91	95.6
483434	5045684	99	98	107	89	96	97.8
483446	5045685	87	91	89	96	95	91.6
483458	5045686	103	77	96	74	94	88.8
483467	5045687	82	79	76	71	70	75.6
483480	5045687	65	65	70	73	83	71.2
483485	5045688	76	72	89	85	78	80
483504	5045690	88	101	90	113	85	95.4
483517	5045690	93	99	70	87	79	85.6
483528	5045693	92	116	90	84	99	96.2
483552	5045694	114	112	86	80	96	97.6
483563	5045695	90	100	95	80	85	90
483573	5045697	80	83	73	78	98	82.4
483585	5045700	92	105	74	95	98	92.8
483464	5044733	162	157	167	137	150	154.6
483461	5044733	170	153	154	134	168	155.8
483467	5044735	186	163	138	174	156	163.4
483472	5044736	149	172	171	179	147	163.6
483474	5044737	153	187	145	140	139	152.8
483481	5044736	146	133	163	130	153	145
483484	5044736	163	157	150	126	158	150.8
483488	5044735	145	181	201	194	206	185.4
483492	5044734	177	160	163	199	202	180.2
483494	5044734	192	202	214	254	243	221
483497	5044731	219	236	228	217	184	216.8
483502	5044731	200	214	200	198	222	206.8
483508	5044733	197	214	176	196	219	200.4
483513	5044734	217	196	203	236	224	215.2
483517	5044736	207	261	241	201	212	224.4
483521	5044739	228	214	230	237	229	227.6
483524	5044741	228	252	267	251	292	258
483528	5044743	277	251	257	249	282	263.2
483530	5044745	272	239	236	215	225	237.4
483532	5044747	249	245	218	246	229	237.4
483535	5044747	223	220	246	241	257	237.4
483538	5044750	246	217	207	208	178	211.2
483541	5044752	206	197	229	180	218	206
483545	5044754	195	200	189	211	209	200.8
483549	5044755	211	254	226	211	212	222.8
483637	5044801	96	105	98	85	116	100
483551	5044756	236	230	207	209	233	223
483554	5044759	238	202	219	203	219	216.2
483557	5044762	244	209	195	203	196	209.4

481975	5044989	269	231	220	203	199	224.4
481988	5044981	210	202	182	195	197	197.2
481999	5044975	189	141	198	209	202	187.8
482012	5044969	199	193	222	215	207	207.2
482023	5044962	223	221	210	206	218	215.6
482034	5044956	198	175	222	231	228	210.8
482047	5044950	216	205	230	242	245	227.6
482058	5044942	246	253	268	235	279	256.2
482070	5044935	255	236	271	253	275	258
482083	5044926	259	266	274	294	286	275.8
482095	5044919	344	317	281	295	317	310.8
482104	5044914	320	339	304	281	282	305.2
482092	5045501	123	126	155	134	121	131.8
482234	5045521	203	185	195	188	190	192.2
482225	5045516	171	129	168	185	203	171.2
482216	5045513	208	205	191	166	148	183.6
482206	5045509	122	126	154	151	146	139.8
482195	5045505	118	134	116	121	121	122
482185	5045501	140	139	146	146	128	139.8
482173	5045497	121	121	88	114	143	117.4
482162	5045494	135	149	145	174	143	149.2
482151	5045492	147	147	137	148	119	139.6
482138	5045490	129	116	104	141	144	126.8
482127	5045490	140	153	143	180	193	161.8
482116	5045493	152	153	136	131	140	142.4
482103	5045495	143	129	134	119	114	127.8
482094	5045496	142	121	116	122	100	120.2
482092	5045500	121	123	121	134	136	127
482091	5045502	134	124	127	115	143	128.6
482091	5045502	128	115	110	133	123	121.8
482091	5045502	123	110	123	127	134	123.4
482091	5045501	129	111	129	140	119	125.6
482091	5045500	131	131	122	123	124	126.2
483687	5044783	117	116	120	131	118	120.4
483692	5044781	136	104	98	113	122	114.6
483698	5044778	110	105	115	111	134	115
483702	5044776	113	105	114	109	128	113.8
483707	5044772	117	116	110	133	108	116.8
483711	5044768	133	128	120	108	100	117.8
483716	5044767	118	129	116	92	120	115
483719	5044766	109	106	91	80	107	98.6
483725	5044764	100	98	99	92	121	102
483730	5044761	112	116	99	110	121	111.6
483734	5044761	117	100	119	111	104	110.2
483738	5044760	110	148	128	104	112	120.4
483734	5045696	63	87	90	78	95	82.6

483563	5044765	185	187	200	199	210	196.2
483567	5044768	222	223	213	206	221	217
483570	5044771	225	228	199	184	223	211.8
483571	5044774	210	221	190	206	207	206.8
483576	5044777	182	163	189	216	193	188.6
483580	5044779	200	190	183	191	212	195.2
483583	5044781	193	196	171	188	168	183.2
483585	5044782	181	186	171	166	144	169.6
483586	5044785	116	137	140	155	126	134.8
483590	5044788	131	139	137	176	152	147
483593	5044790	156	146	163	152	146	152.6
483598	5044792	160	138	136	134	157	145
483601	5044792	167	136	125	133	134	139
483604	5044795	133	123	157	125	135	134.6
483608	5044795	120	131	120	119	158	129.6
483611	5044796	130	125	130	122	125	126.4
483613	5044797	139	106	142	122	107	123.2
483618	5044800	117	112	96	106	105	107.2
483623	5044802	106	140	128	115	114	120.6
483628	5044801	103	118	119	120	114	114.8
483632	5044801	112	113	120	95	111	110.2
483642	5044800	114	107	101	101	109	106.4
483648	5044798	89	104	116	127	93	105.8
483601	5045702	96	104	124	117	120	112.2
483614	5045702	151	119	115	120	138	128.6
483621	5045704	126	130	114	123	127	124
483631	5045703	118	137	134	101	120	122
483642	5045703	130	107	98	114	122	114.2
483651	5045703	122	121	131	120	120	122.8
483658	5045702	114	128	135	124	113	122.8
483669	5045701	102	134	115	110	122	116.6
483683	5045700	131	140	117	114	108	122
483694	5045699	115	109	99	97	77	99.4
483704	5045698	94	120	105	100	118	107.4
483713	5045697	81	95	105	111	96	97.6
483726	5045696	63	82	102	85	78	82
483652	5044797	114	112	88	106	116	107.2
483656	5044797	97	112	108	133	91	108.2
483663	5044795	96	87	108	85	96	94.4
483668	5044794	98	102	116	105	109	106
483670	5044791	119	97	94	112	118	108
483672	5044787	114	115	128	139	144	128
483674	5044787	139	140	146	140	128	138.6
483679	5044786	110	139	117	136	133	127
483685	5044784	117	99	109	141	124	118
483742	5045695	89	79	74	96	87	85

APPENDIX B

XRF Analyzer Specs and Theory

DELTA
Dynamic XRF

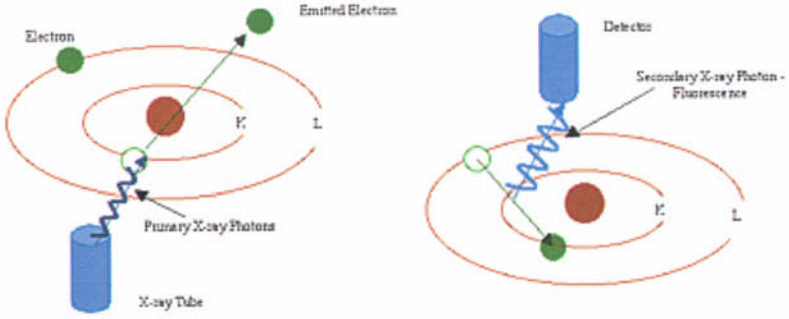
X-Ray Fluorescence (XRF) Spectrometry

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.

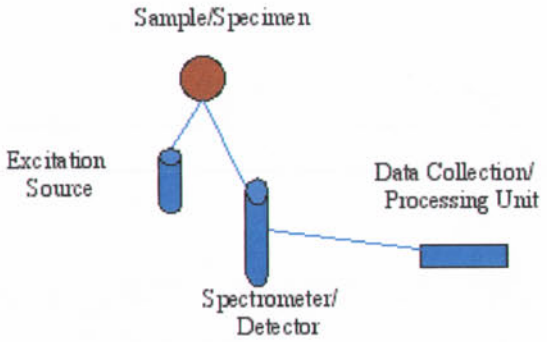
All elemental analysis techniques experience interferences, both chemical and physical in nature, and must be corrected or compensated for in order to achieve adequate analytical results. Most aqueous instrument techniques for elemental analysis suffer from interferences that are corrected for by extensive 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.

Appendix C

Lab Results and Methodology

DALHOUSIE UNIVERSITY
Inspiring Minds

Minerals Engineering Centre
Dalhousie University
1360 Barrington Street
G.H. Murray Bldg. Rm. G101
Halifax, Nova Scotia
B3J 1Z1

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

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.

DALHOUSIE UNIVERSITY
Inspiring Minds

Minerals Engineering Centre
Dalhousie University
1360 Barrington Street
G.H. Murray Bldg. Rm. G101
Halifax, Nova Scotia
B3J 1Z1

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

Rare Earth Analysis (REE's)

(Ce, Dy, Er, Eu, Gd, Ho, La, Lu, Nd, Pr, Sm, Sc, Tb, Tm, Y, Yb)

Samples (0.1 to 0.5g) are mixed with a flux of lithium metaborate and lithium tetraborate (2.5g). The mix is placed in platinum crucibles and fused using a Claisse M4 fluxer at 1050°C. The fusion is leached with 90 ml of 1:9 nitric acid in a teflon 150ml beaker. The solution is transfered into a 250ml volumetric flask. The flasks are made up to the 250ml mark, topped, and shaken. Dilutions may be required for analysis for some elements. The elements are determined by ICP OES. Certified reference samples are analyzed with the samples to ensure that the fusions, digestions, and ICP OES analysis are complete and accurate.

Detection limits will vary depending on sample type and spectral interferences. In general, REE detection limits are between 5 to 10 mg/kg.

DALHOUSIE UNIVERSITY
Inspiring Minds

Minerals Engineering Centre
Dalhousie University
1360 Barrington Street
G.H. Murray Bldg. Rm. G101
Halifax, Nova Scotia
B3J 1Z1

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

16-Nov-11

John MacIsaac
398 East Chezzetcook Rd.
RR#1, Head of Chezzetcook, NS
B0J 1N0

Re: Results of analysis on submitted samples.
Au analysis using 30g fire assay, lead collection, AAS finish.

	mg/kg
Sample	Au
NBM-02	<0.005
NBM-05	<0.005
NBM-09	<0.005
NBM-10	<0.005
NBM-11	<0.005
NBM-12	<0.005
NBM-13	<0.005
NBM-14	<0.005

Certified Reference Samples:	mg/kg Au	Recommended Value
QC SJ53	2.643	2.637±0.016

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Daniel Chevalier
Manager, Minerals Engineering Centre

DALHOUSIE UNIVERSITY
Inspiring Minds

Minerals Engineering Centre
Dalhousie University
1360 Barrington Street
G.H. Murray Bldg. Rm. G101
Halifax, Nova Scotia
B3J 1Z1

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

15-Nov-11

John MacIsaac
398 East Chezzetcook Rd.
RR#1, Head of Chezzetcook, NS
B0J 1N0

Re: Analysis on submitted solid samples.
Near total acid digestion, ICP OES finish.
Refractory elements such as Al, Cr, Ti, and Zr may only be partially digested.
Volative elements such as As and Bi may be lost in the digestion.

Sample	mg/kg							
	Ag	Al	As	Ba	Be	Bi	Ca	Cd
NBM002	35	66220	<50	610	4.9	<5	1184	<5
NBM005	30	79602	<50	167	1.2	<5	76703	<5
NBM009	33	68357	<50	639	5.2	<5	1868	<5
NBM010	79	62906	<50	538	2.7	6	1288	<5
NBM011	34	64519	<50	183	2.5	5	1509	<5
NBM012	46	60879	<50	643	3.6	<5	1193	<5
NBM013	21	60084	<50	479	4.1	<5	2083	<5
NBM014	24	57311	<50	497	3.7	<5	2781	<5
MP-1a (Meas.)	89	21372	544	5	0.3	263	13628	524
MP-1a (Exp.)	69	33000	8300			320	15000	

Sample	mg/kg							
	Ce	Co	Cr	Cu	Fe	Ga	Ge	In
NBM002	133	<5	11	10	25245	26	<100	<100
NBM005	36	50	30	44	60943	45	<100	<100
NBM009	178	<5	13	6	24351	32	<100	<100
NBM010	136	<5	12	9	22112	33	<100	<100
NBM011	122	<5	17	7	11654	24	<100	<100
NBM012	124	<5	13	8	23238	28	<100	<100
NBM013	133	<5	7	6	21846	29	<100	<100
NBM014	99	<5	11	10	17810	20	<100	<100
MP-1a (Meas.)	101	<5	5	13220	58370	115	<100	270
MP-1a (Exp.)				14400	62000			320

Sample	mg/kg							
	K	La	Li	Mg	Mn	Mo	Na	Nb
NBM002	62422	57	<5	1179	500	<5	6252	53
NBM005	2853	18	<5	23363	1509	<5	32543	16
NBM009	67730	83	<5	370	113	73	11183	57
NBM010	51210	56	<5	345	85	32	20270	55
NBM011	17592	57	<5	164	68	<5	42478	43
NBM012	51036	63	<5	1048	266	<5	11539	48
NBM013	43050	63	9	979	531	<5	18523	45
NBM014	37650	45	<5	363	137	7	24334	40
MP-1a (Meas.)	1009	36	2	155	439	213	843	16
MP-1a (Exp.)						290		

Sample	mg/kg							
	Ni	P	Pb	S	Sb	Se	Sn	Sr
NBM002	5	142	19	2206	<50	<50	<100	40
NBM005	55	1022	114	585	<50	<50	<100	170
NBM009	8	111	14	11096	<50	<50	<100	24
NBM010	7	102	48	18222	<50	<50	<100	31
NBM011	10	89	64	7200	<50	<50	<100	26
NBM012	5	102	46	1124	<50	<50	<100	31
NBM013	<5	102	<10	780	<50	<50	<100	36
NBM014	5	85	48	10812	<50	<50	<100	31
MP-1a (Meas.)	<5	173	34127	102659	<50	<50	1436	3
MP-1a (Exp.)			43300	127000			12800	

Sample	mg/kg							
	Ta	Te	Ti	Tl	V	W	Zn	Zr
NBM002	<50	<100	1709	<100	1	<50	71	263
NBM005	<50	<100	10337	<100	186	<50	582	140
NBM009	<50	<100	1692	<100	<5	<50	50	267
NBM010	<50	<100	1651	<100	6	<50	32	317
NBM011	<50	<100	1357	<100	<5	<50	12	220
NBM012	<50	<100	1652	<100	<5	<50	54	251
NBM013	<50	<100	1639	<100	<5	<50	65	224
NBM014	<50	<100	1297	<100	<5	<50	43	183
MP-1a (Meas.)	<50	<100	93	<100	<5	163	184980	87
MP-1a (Exp.)						400	190200	

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Daniel Chevalier, MASc
Manager, Minerals Engineering Centre

DALHOUSIE UNIVERSITY
Inspiring Minds

Minerals Engineering Centre
Dalhousie University
1360 Barrington Street
G.H. Murray Bldg. Rm. G101
Halifax, Nova Scotia
B3J 1Z1

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

14-Nov-11

John MacIsaac
398 East Chezzetcook Rd.
RR#1, Head of Chezzetcook, NS
B0J 1N0

Re: results of REE analysis on submitted samples.
Li-metaborate/Li-tetraborate fusion, ICP OES finish.

Sample	mg/kg									
	Ce	Dy	Er	Eu	Gd	Ho	La	Lu	Nd	Pr
NBM-02	152	18	12	2	22	<5	65	2	72	6
NBM-05	33	4	2	2	19	<5	99	2	36	<5
NBM-09	212	22	13	1	26	<5	95	2	97	12
NBM-10	148	12	7	<1	16	<5	61	1	55	<5
NBM-11	147	9	5	<1	12	<5	69	<1	55	<5
NBM-12	137	14	9	1	18	<5	68	1	70	5
NBM-13	158	15	10	1	21	<5	77	1	77	8
NBM-14	118	10	6	<1	14	<5	53	1	54	<5
TRM-2 (RE Standard)	29029	229	65	213	582	28	18996	9	8280	2722
Expected Value	29000	206	80	212	553	37	19300	8	8900	2800
Confidence Level	± 1200	± 32	± 8.5	± 16.2	± 83	± 7.4	± 1000	± 1.1	± 800	± 300

Sample	mg/kg						
	Sc	Sm	Tb	Th	Tm	Y	Yb
NBM-02	4	18	<5	<100	<10	111	13
NBM-05	23	10	<5	<100	<10	35	4
NBM-09	4	27	<5	<100	<10	118	14
NBM-10	4	12	<5	<100	<10	64	8
NBM-11	4	13	<5	<100	<10	54	6
NBM-12	4	16	<5	<100	<10	78	10
NBM-13	4	17	<5	<100	<10	90	11
NBM-14	4	12	<5	<100	<10	65	8
TRM-2 (RE Standard)	8	1104	55	155	<10	987	57
Expected Value	NA	900	55	217	NA	959	55
Confidence Level	NA	± 300	± 14.2	± 40	NA	± 40	± 5.24

Digitally signed by
Daniel Chevalier
Date: 2011.11.15
15:56:22 -04'00'

Daniel Chevalier, MASc
Manager, Minerals Engineering Centre

Appendix D

Station Location, notes, uncorrected XRF Results

and Correction Factors

Station	X	Y	Notes	Lab Analysis	XRF Analysis
NBM-001	482643	5044001	Rhyolite – sulfides , slick in sides , fine grained with large amounts of opaque sulfides , Fe , pinkish , light green in colour , bits of hornblende seen as well Strike 060 degrees/60 degrees S, Serpentine also seen , source not known , found in ditch , opinion it is local but unable to locate source, Surrounding area prospected , scattered rhy boulders and cobbles , no other outcrop seen , approx. 200 m radius explored	no	yes
NBM-002	481836	5045663	Outcrop located location NMB 002 – sampled – outcrop – banded, Rhy , qtz rich , light pink to pinkish buff , bits of epidote , sulfide rich , low metamorphic grade Strike 0300degrees/45 degrees N , Also small patches less then ½ inch – black jack sphalerite? Surrounding area prospected but nothing of note found , once in the woods little seen which is the case in the windfarm , exposed rock whether it be outcrop or boulders mostly the result of construction of towers	yes	yes
NBM-003	481760	5045491	Rhy explosion breccia , some layering , sulfide rich , location NBM003 – not assayed , large fresh outcrop exposed by road building , sphalerite seen again , very small amounts , again black Surrounding 200 m or so prospected , scattered rhy similar to o/c noted , sulfides likely pyrite , fine grained	no	no
NBM-004	481540	5045478	Location NMB004 - relatively unaltered rhy , light pink to light green , sulfide rich , again likely Py , slight banding in rhy , hornblende bits , also calcite rich , again outcrop due to construction , nothing of note surrounding 250 m radius	no	no
NBM-005	480920	5045569	Location NBM 005 – strike 055 degrees / 30 degrees N Relatively unaltered rhy , some layering , sulfide staining – large outcrop on both sides of road entering windtower ... detailed prospecting of outcrop found small zones of rhy breccia with abundant stringer carbonate veining orientated along foliation , sulfide rich , breccia rocks very heavy , weakly magnetic ... prospecting found few of these zones and the rock (outcrop) and rock around tower was predominantly the unaltered rhy described above .. surrounding area much the same	yes	yes
NBM-006	481022	5045391	dId several 150 m traverses in this area .. located rhy boulders at this location .. nothing of note , relatively unaltered rhy .. boulders in a patch maybe 15 meters in width – location NBM 006	no	no

Station	X	Y	Notes	Lab Analysis	XRF Analysis
NBM-008	480697	5046090	Location NBM 008 pit from tower and road construction Banded rhy , Py ,Po , the rhy seen in this area and surrounding radius of 150 m is more massive with less banding .. all rock surrounding this tower appears to have come from this pit	no	no
NBM-009	481011	5046324	Location NBM 009 – 3 MINERALIZED boulders located within 5 meters of each other , likely from the same boulder ? may have been pushed from the other side of the tower pad ? boulders sampled – light green to pinkish rhy up to 25% massive sulfides in ground mass Staining – green – copper bloom? Peacock bloom – Co ? One of these boulders sulfides have been massively weathered This is turbine 22 – prospected in the woods about 150 m radius , nothing of note , heavy cover lke other locations	yes	Yes A.M
NBM-10	481131	5046283	LOCATION NBM010 still at turbine 22 –rhy sulfide rich road fill ... likely source is o/c seen at NBM 011 but unsure, assayed,, prospected surrounding 150 m radius , heavy cover	yes	yes
NBM-11	481092	5046264	NBM011 – arge outcrop from blasting to make tower 22 ... Bedding strike 045degrees/40 degrees S Fault zone strike 040degrees/28 degrees W MINERALIZED ZONE LOCATED about 3 m wide Strike 000 degrees/ 40 degrees E – sulfide rich rhy – assayed this rock – attempted to track this zone using strike thru the wooded area with no luck , then used the road and believed same zone could be at exposure 04 81 089 E 50 45 993N – could be same zone but likely more narrow here ??	yes	yes
NBM-012	481073	5045635	Location NBM 012 – assayed – large o/c both sides of road – altered banded rhy , ferrom magnesium stain , Py , CuPy ,Zn Massaive sulfides , some rock epidote rich	yes	yes

Station	X	Y	Notes	Lab Analysis	XRF Analysis
NBM-013	482433	5044909	O/C – sulfide rich , rusty rhy – location NMB 013 ASSAYED ... surrounding exposed rock from construction all the same – prospected a radius of about 150 m – snowing made work difficult	yes	yes
NBM-014	481064	5044561	Location NBM014 – BOULDER 0.25 x 0.25 m – assayed – mix of rhy and mafic minerals indicating possible thermal underplay – sulfide rich , interesting boulder , would recheck this location , again weather made work difficult – did as much prospecting in this location as possible along the roadside and 50 m in the woods , again prospected the length of this road	yes	yes
NBM-015	481105	5044419	Road fill local source , rhy – prospected the length of this road – weather made work difficult , worth rechecking – prospected length of road , some scattered rhy boulders	no	no
NBM-016	480506	5046264	A good access road into the claim block , no gate , unlike other roads near the windfarm , couldn't get in because of heavy snow on my last day , worthy of followup , attempted prospecting in the Surrounding area , say a 100-150 m radius nothing seen , heavy cover	no	no
NBM-017	481772	5045640	Very large mineralized boulder near windmill pad , it has severe iron staining and is a banded rhy , appears sulfide rich , and patches of sulfur are common .. no other boulders of this size seen , some smaller pieces present .. again about a 200m or so radius prospected	no	no
NBM-018	481828	5045641	Dark Grey rhyolite with rusty weathering surface, abundant pyrite clusters, minor manganese staining on surface	no	yes
NBM-019	481752	5045492	red rhyolite? Gossanous, rusty surface with white leachate	no	yes
NBM-020	481096	5046269	light grey rhyolite, abundant dissemenated pyrite, rusty weathering surface, a few calcite veinlets	no	yes
NBM-021	483244	5045657	silicifed rhyolite? (grey wacke?) abundant desimated pyrite, rusty weathering surface	no	yes

XRF Results for Elements scanned, units are uncorrected PPM*

X	Y	Station	Y	Y +/-	Nb	Nb +/-	Zr	Zr +/-	Th	Th +/-	Au	Au +/-	As	As +/-	Sb	Sb +/-	Zn	Zn +/-	Pb	Pb +/-
482643	5044001	NBM-1	1032	89	1988	339	643	35	378	204	24	23	3	5	22	36	78	10	16	7
481836	5045663	NBM-2	1474	97	4288	428	831	41	594	212	-3	19	10	4	24	34	59	9	-8	5
480920	5045569	NBM-5	509	89	1912	394	276	22	267	233	21	39	244	20	-67	48	1231	47	437	23
481011	5046324	NBM-9	2950	109	3746	356	804	34	185	162	20	18	3	4	0	27	14	5	17	5
481131	5046283	NBM-10	3331	148	5021	531	1176	60	951	259	16	32	180	12	-15	38	53	10	77	11
481092	5046264	NBM-11	1008	87	6088	454	1101	48	237	186	19	24	67	12	17	30	76	9	448	17
481073	5045635	NBM-12	1662	95	3425	381	981	45	322	192	9	19	16	5	7	32	43	7	44	7
482433	5044909	NBM-13	1178	91	3779	384	832	40	190	183	8	19	-1	4	-7	33	62	9	7	6
481064	5044561	NBM-14	3184	132	4697	460	1124	52	715	225	27	31	136	19	16	34	98	10	932	28
481828	5045641	NBM-18	3836	150	3432	419	855	42	72	186	9	22	19	5	-76	34	13	7	20	7
481752	5045492	NBM-19	908	140	2931	579	551	47	686	329	18	43	126	14	14	59	284	28	-3	13
481096	5046269	NBM-20	4228	179	6906	645	1340	72	461	263	10	41	329	17	2	41	29	10	85	13
483244	5045657	NBM-21	1103	131	3393	438	658	38	368	218	-146	43	402	35	3	42	354	22	2380	62

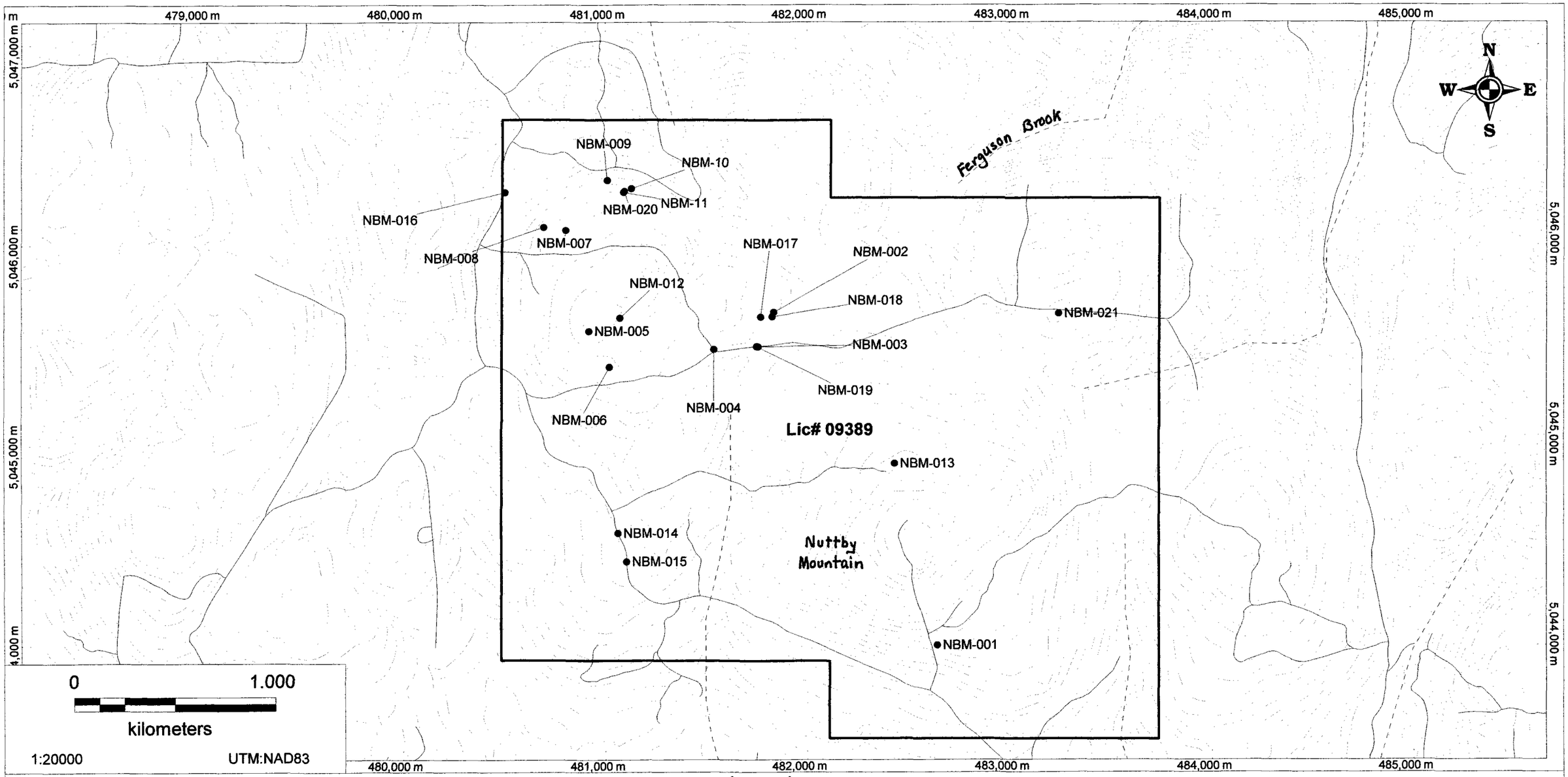
* negative values indicate below detection limit

	Y			Nb			Zr			Zn			Pb		
Station	Cor. Fac.	Assay (mg/kg)	XRF (ppm)	Cor. Fac.	Assay (mg/kg)	XRF (ppm)	Cor. Fac.	Assay (mg/kg)	XRF (ppm)	Cor. Fac.	Assay (mg/kg)	XRF (ppm)	Cor. Fac.	Assay (mg/kg)	XRF (ppm)
NBM-2	0.08	111	1474	0.01	53	4288	0.32	263	831	1.20	71	59		19	-8
NBM-5	0.07	35	509	0.01	16	1912	0.51	140	276	0.47	582	1231	0.26	114	437
NBM-9	0.04	118	2950	0.02	57	3746	0.33	267	804	3.57	50	14	0.82	14	17
NBM-10	0.02	64	3331	0.01	55	5021	0.27	317	1176	0.60	32	53	0.62	48	77
NBM-11	0.05	54	1008	0.01	43	6088	0.20	220	1101	0.16	12	76	0.14	64	448
NBM-12	0.05	78	1662	0.01	48	3425	0.26	251	981	1.27	54	43	1.05	46	44
NBM-13	0.08	90	1178	0.01	45	3779	0.27	224	832	1.04	65	62		<10	7
NBM-14	0.02	65	3184	0.01	40	4697	0.16	183	1124	0.43	43	98	0.05	48	932

Results presented only for Elements of interest that were detected in lab analysis

$$\frac{Lab\ Results\ (\frac{mg}{kg} = ppm)}{XRF\ Results\ (ppm)} = Correction\ Factor$$

Map 3
Black Fly License 09389 Station Locations

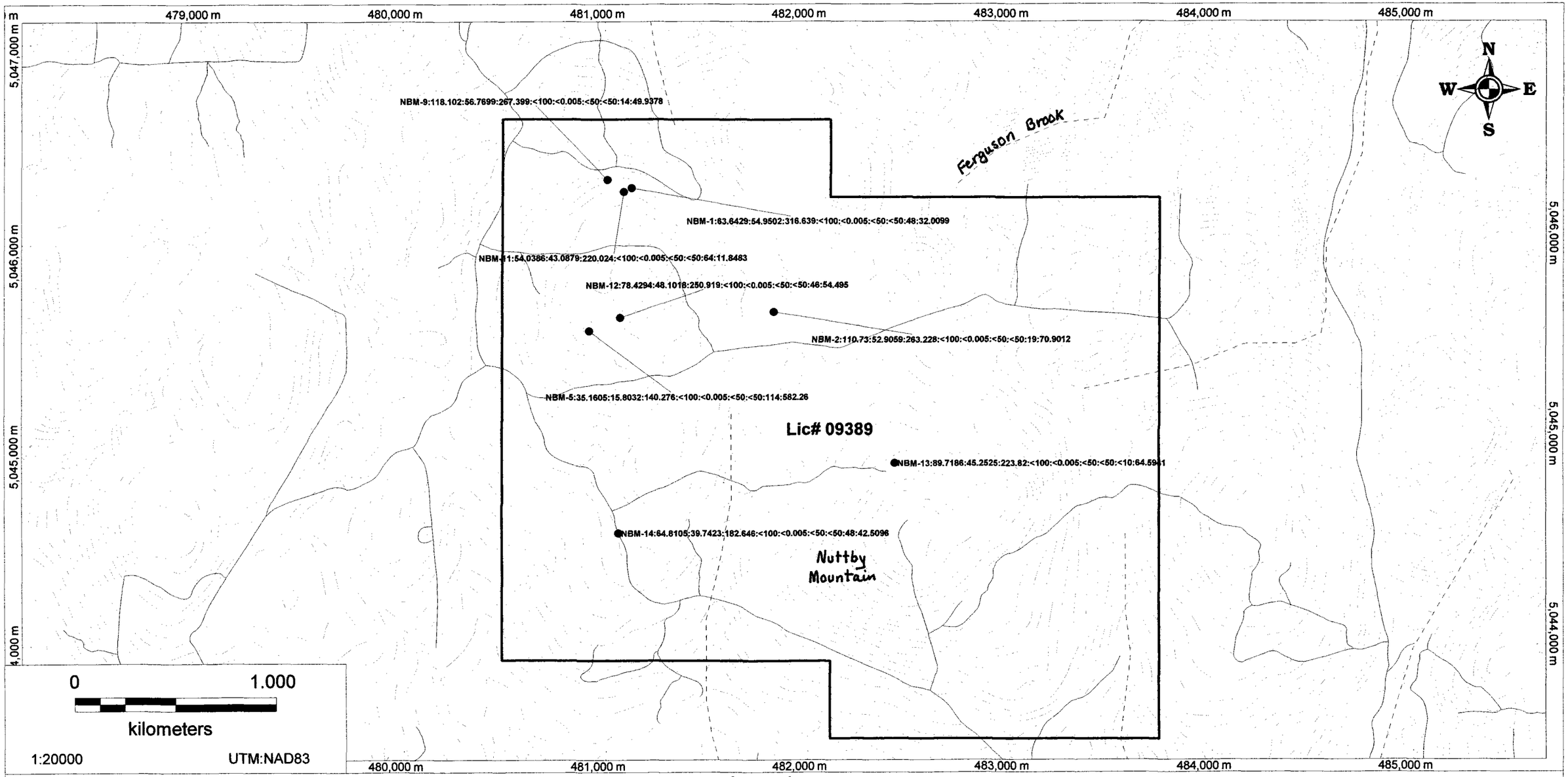


Legend

- Station Location
- License 09389 Boundary
- Local Roads and Trails
- Streams

Map created by Alex MacKay
Base Layers from NSDNR

Map 4
Black Fly License 09389 Lab Results

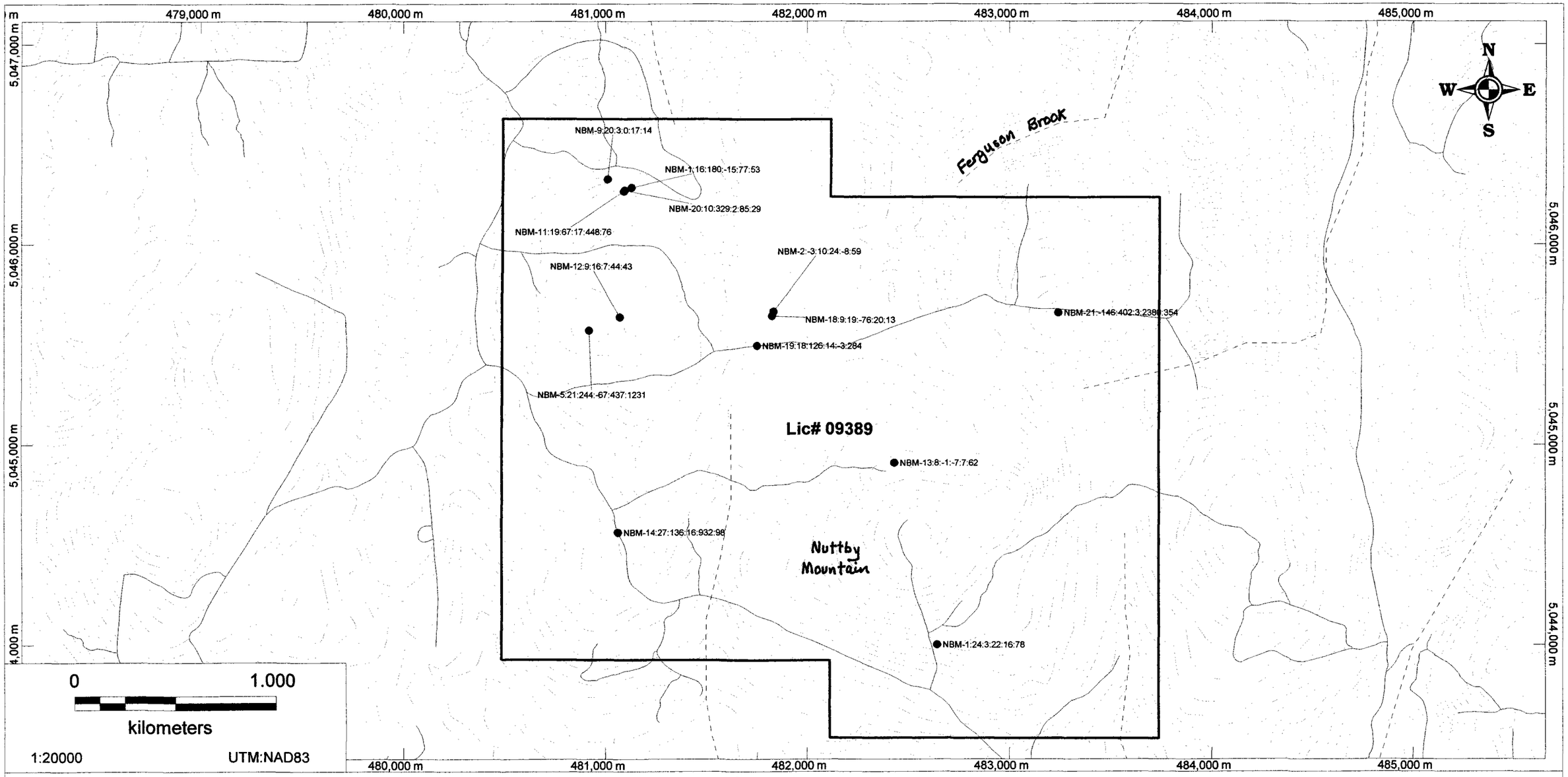


Legend

- Sample Location Submitted for Lab Anaylsis (Station:Y:Nb:Zr:Th:Au:As:Sb:Pb:Zn) Results in mg/kg
- License 09389 Boundary
- Local Roads and Trails
- Streams

Map created by Alex MacKay
Base Layers from NSDNR

Map 6
Black Fly License 09389 XRF Results for Au & Au Indicators



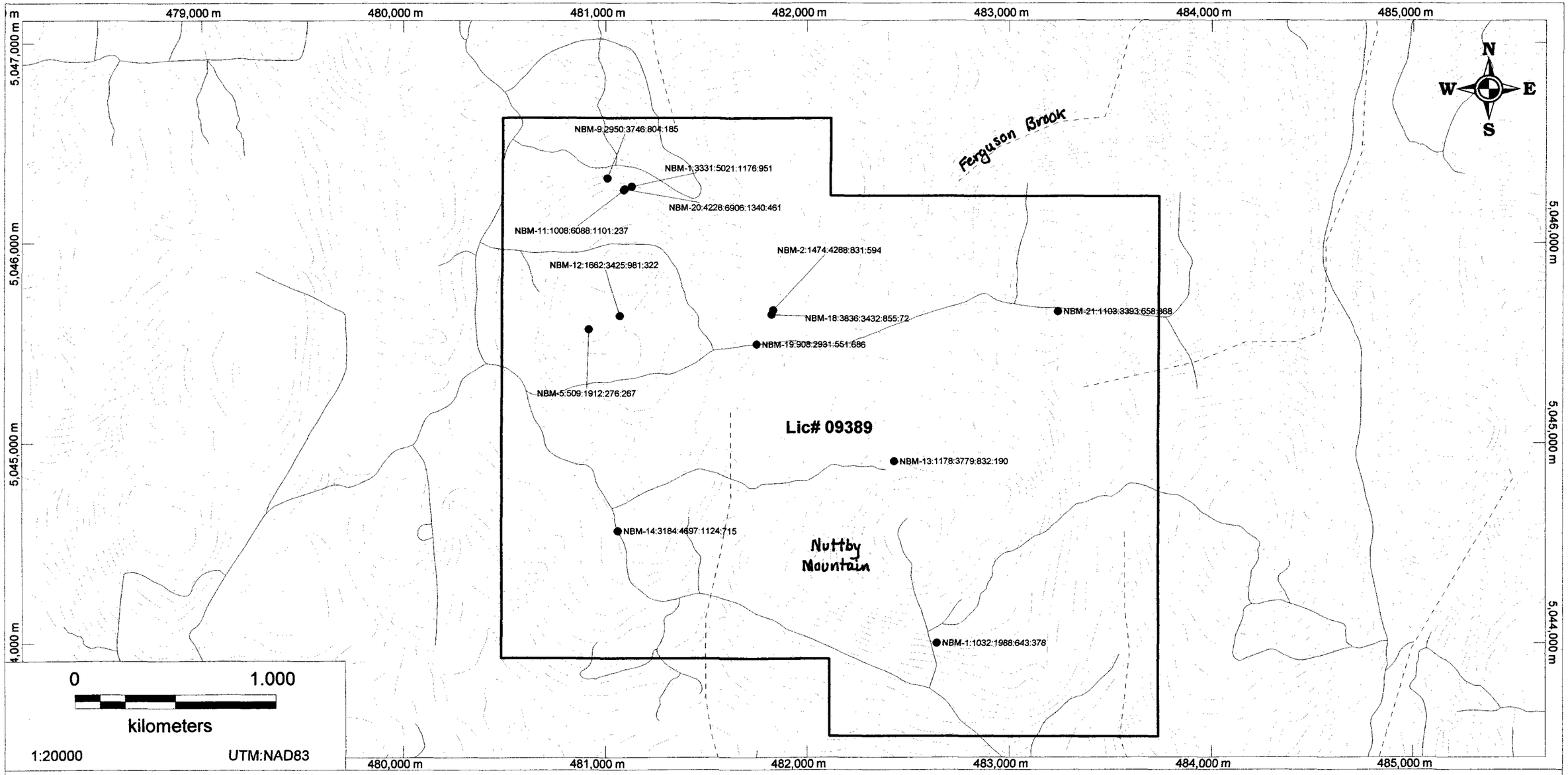
Legend

- Sample Location with XRF Results (Station:Au:As:Sb:Pb:Zn)* Results in uncorrected ppm
- License 09389 Boundary
- Local Roads and Trails
- Streams

*Negative Values indicate below limit of detection

Map created by Alex MacKay
Base Layers from NSDNR

Map 5
Black Fly License 09389 XRF Results for REE Indicators



Legend

- Sample Location with XRF Results (Station:Y:Nb:Zr:Th)*
  Results in uncorrected ppm
- License 09389 Boundary
- Local Roads and Trails
- Streams

*Negative Values indicate below limit of detection

Map created by Alex MacKay
Base Layers from NSDNR

Map 1: Nuttby Mountain Field Observations 2011

480000 481000 482000 483000 484000 485000

5047000 5046000 5045000 5044000

Q N O P Q
J M L K J
H F G
E H
A D B A
C
Q N O P Q
J M L K J

Bright pnk to prplish rhy float. Epi rich frac face.
Massive alteration+ massiveFe +epi in 3m section
Highly altered boulder Fe +epi
40
Abundant Fe sulphides +carbonate on fractures
Nuttby Mountain
Highly altered boulder Fe +epi
45
Layered rhy.+Fe sulphides +epidote
Trench/ drainage ditch
30
Ltpnk to lt grn sulph rich rhy. Less epi. Carb noted in frac as stringers.
Explosion textures +abundant Fe exsolvation +epidote
Security gate
Parking lot
Pinkish-light grey rhy. +2ndary Fe
License 09389 Tract 60
Security building site
Security gates
Microwave transmission towers
McRae's Lake
License 09389 Tract 37
License 09389 Tract 38
60
Pinkish-light grey rhy. +2ndary Fe +hornb in o/c
layered
Rockland Brook Fault Shear Zone
Upper North River 2km
Nuttby 3km
Rockland Brook Fault Shear Zone
0 1km
500m

DEVONO-CARBONIFEROUS

Fisset Brook Formation

- Gabbro flows
- Transitional Gabbro

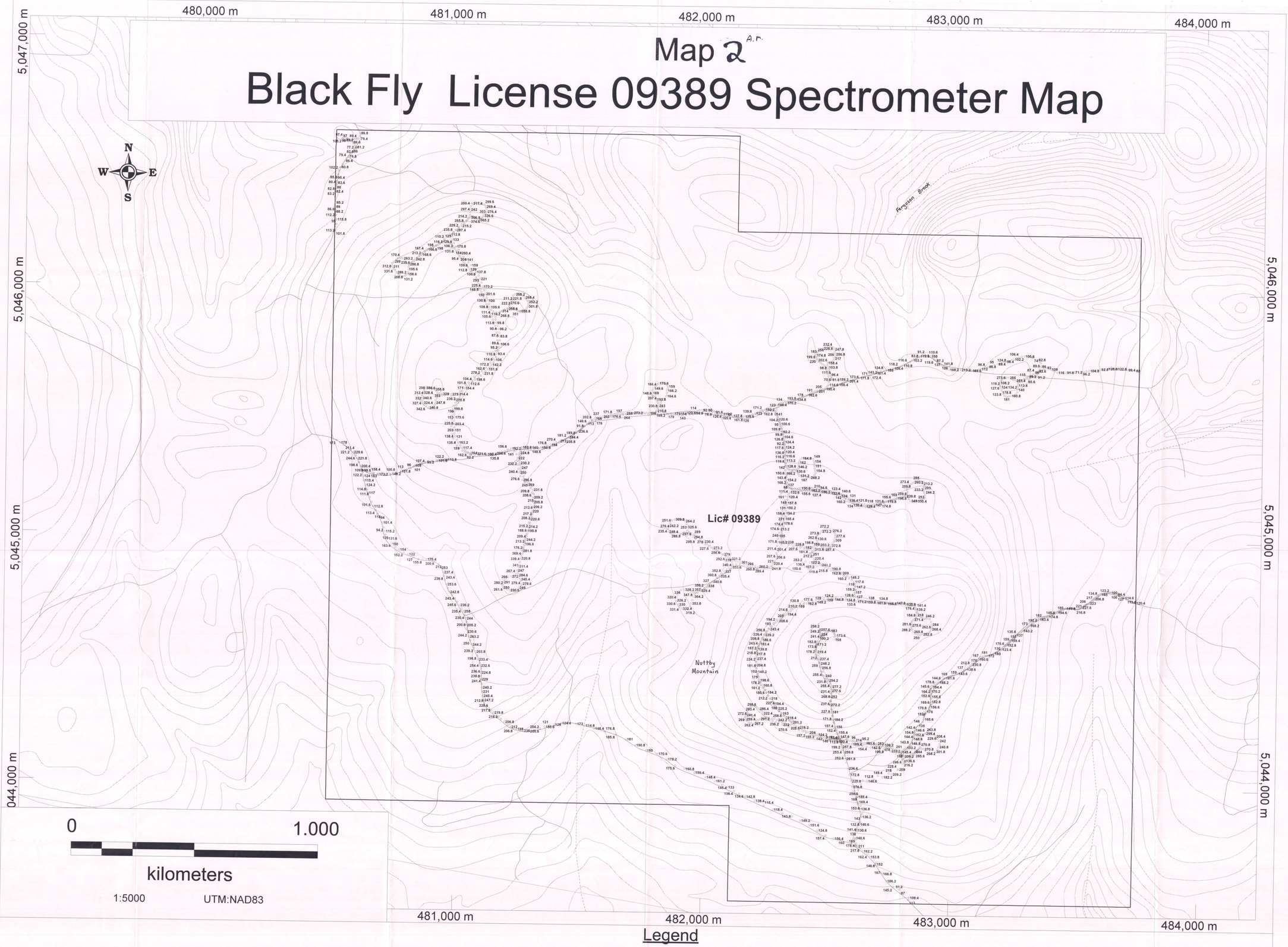
Byers Brook or Fisset Brook Formation

- Rhyolitic explosion breccia
- Transitional Rhyolite
- Flow banded Rhyolite
- Highly brecciated section
- Road with wind turbine pad
- 60 Strike / Dip
- × outcrop
- lake
- stream
- claim designation J

Preliminary economic assessment work at Nuttby Mountain in 2011 revealed highly brecciated sections in the southern portion of the map area. Most of the map sheet is dominated by pink to light green to buff layered rhyolites and rhyolitic flows of a cataclastic nature.
In the northern part of the study area a contact with magnetically positive gabbro is seen near the northernmost wind turbines.
Overall metamorphic grade is high and epidote is routinely seen in most of the altered sections.
Secondary silicification, carbonate, hornblende, tourmaline, epidote and Fe dominate the mineralization suite. Phyllic minerals such as sericite, muscovite and rare smectite were noted as well.

Map 2 A.R.

Black Fly License 09389 Spectrometer Map



Legend

Spectrometer Reading Location (Average Total Counts/sec)*

Local Roads and Trails

Contour Line

License Boundary

Streams

*Only select results plotted due to dense data points, see full list of results in Appendix A

Map prepared by Alex MacKay
Base layers from NSDNR

AR2011-145

FINAL

NOVA SCOTIA
Natural Resources

Map 11E11A
Refs.

Form 10 - Statement of Assessment Work Expenditure

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

(Complete as necessary to substantiate the total claimed.)
Re: Licence No. 09389 Date of issue OCT 28, 2010

	Type of Work		Amount Spent
1.	Prospecting JOHN MACISAAC @ 330/DAY × 3.5 = 1155 LINDSAY ALLEN @ 400/DAY × 1 = 400	4.5 days	1555
2.	Geological mapping JOHN MACISAAC @ 330/DAY × 3 = 990 L. ALLEN @ 400/DAY × 0.5 = 200 R. KRIENKE @ 250/DAY × 0.5 = 125	4 days	1315
3.	Trenching/stripping/refilling	____ m^2 / ____ m^3	
4.	Assaying & whole rock analysis ICPSCAN + REE SUITE + GOLD	8 #	908
5.	Other laboratory XRF ROCK SAMPLES ½ DAY = 750 ALEX MACKAY ½ DAY = 275	____ #	1025
6.	Grid: (a) Line cutting (b) Picket setting (c) Flagging — INSTALL & CALIBRATE GPS VIRTUAL GRID	____ km ____ km ____ km	750
7.	Geophysical surveys ~~Airborne~~: (a) EM/VLF (b) Mag or Grad GROUND (c) Radiometrics (d) Combination (e) Other ____ ROB KRIENKE 2 DAY @ 250 = 500 L. ALLEN 2 DAY @ 400 = 800 SPECTROMETER 2 DAY @ 425 = 850 ALEX MACKAY DATA COMPILATION & TABLING ½ DAY @ 550 = 275 2425	____ km ____ km 16 km ____ km ____ km	2425
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 (b) (i) Rock (ii) Core (iii) Chips (c) (i) Soil (ii) Overburden (d) Gas (e) Biogeochemistry (f) Sample collection (g) Other ____	____ samples ____ samples 21 samples ____ samples ____ samples ____ samples ____ samples ____ samples ____ samples ____ samples 1 days	330
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 PREVIOUSLY FILED ____ days ____ #	
11.	Other (describe) MILEAGE 2,170 km @ 50 = 1085 12 × 25 FIELD MEALS = 300 CHAINSAW 10 DAY @ 20 = 200 BATTERIES 5.5 FIELD EQUIPMENT 190 FIELD SUPPLIES 20 - 2 HOTELS @ 90 = 180	1085 300 205 190 20 180 110	1990
	Subtotal	1990	10298.00
	Overhead costs 10%	1029.80	1029.80
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		11,327.80

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
JOHN MACISAAC 330/DAY	398 EAST CHEZZETCOOK RD HEAD OF CHEZZETCOOK	SEPT 9, 11, 15, 17, 19, 20 OCT 6 (½DAY)
ROB KRIENKE 250/DAY	WASHMILL DR FAIRVIEW, HALIFAX	SEPT 9, 10, 17 (½DAY)
LINDSAY ALLEN 400/DAY	11 RIVER RD TERENCE BAY	SEPT 9, 10, 17 (½DAY), 19
ALEX MACKAY 550/DAY	FAIRVIEW HALIFAX	OCT 8

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

Dated at HALIFAX in the Province of NS on NOV 28, 2011.

Name and address of licensee: BLACKFLY EXPLORATION & MINING
398 EAST CHEZZETCOOK RD RR#1, SUITE 8 BOX 3, HEAD OF CHEZZETCOOK NS B0J 1N0

Signature

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