AR2011-108

2011 Assessment Report for License 09388

License held by Matthew Sacco

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1.0 Summary

License 09388 is located on a fingered contact between the Rhyolites of the Byers Brook Formation and the overlying basalts of the Diamond Brook Formation. This contact zone has been suspected of being the source of several gold anomalies identified in historic work. Historic work has suggested an epithermal style of Au mineralization.

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

Prospecting turned up some interesting rock samples particularly a highly sulfide mineralized grey clay like fault gouge in a river bed as well as a similar consolidated rock along the river bank. Both materials were sampled and submitted for analysis at Dalhousie Department of Minerals Engineering for REE and quantitative trace element analyses. Unfortunately, no anomalies, other than pyrite were observed in either sample. The remainder of the 11 rock samples were analyzed in house with an Olympus Innovx DP-6000 portable XRF analyzer for REE indicators as well as Au. Small Au kicks were observed at a couple of locations but results still need to be confirmed through lab analysis. A few small niobium (REE indicator) kicks were observed in the results but are not considered highly anomalous. Future work will be focused more on gold and sulphide mineralization rather than for rare earth mineralization.

Stream sediment sampling included simple panning of the aforementioned grey clay as well as a sluice box stream sample location. Concentrated sulfides were observed in the grey clay but no visible gold was observed. Heavy mineral concentrates from the sluice box were sieved to different size fractions, Au kicks were observed in some size fractions with the XRF analyzer but subsequent gold grain counting efforts did not yield any visible gold.

The spectrometer survey failed to turn up any observable radiometric anomalies.

Generally, results offered many areas of strong sulfidation, but both Au and REE results were limited to a few small anomalies which still need to be confirmed through lab analysis.

2.0 Introduction

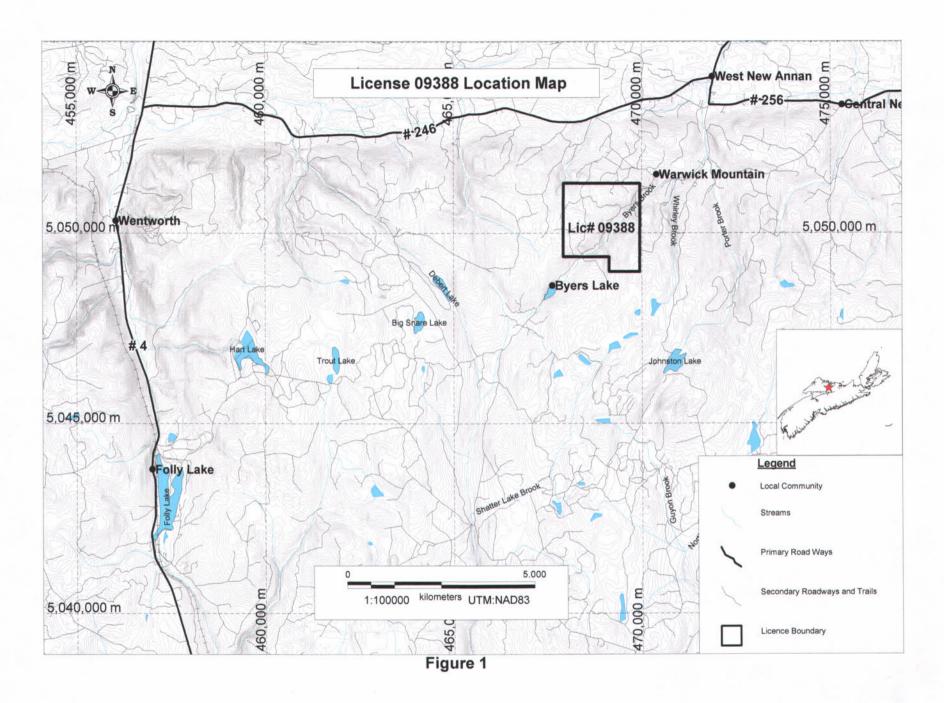
License 09388, located in the Cobequid Highlands area of Nova Scotia is host to a historic (Fe, Au) mineral occurrence. The current NSDNR mineral occurrence database (occurrences E11-016) only identifies Fe on site while previous mapping by Donahoe and Wallace (Donahoe, 1982) referenced historic Au presence as well as an abandoned shaft (BYE- 1-001).

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

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

3.0 Location and Access

License 09388 can be accessed by taking highway 104 west out of Truro, NS. Take exit 11 off of the 104 and proceed north on highway #4 until the junction with highway 246. Follow highway 246 for approximately 12km and exit right on to the Warwick Mountain Rd. From the Warwick Mountain Rd take the Byers Brook Rd which bi-sects the property. Several tracks provide all-terrain vehicular access to the property.



4.0 License Tabulation

License 09388 is composed of 24 claims on NTS map sheet 11E/11B. A detailed breakdown on the tracts and claims can be seen in Table 1 below.

Table 1-09388 Claims List

License #	NTS Map Sheet	Tract	Claims	Anniversary Date
09388	11E/11B	79	ON	10/28/2011
09388	11E/11B	89	ABCFGHJKL	ወ ኖ
09388	11E/11B	90	CDEFLMNO	10/28/2011
09388	11E/11B	103	CD	10/28/2011
09388	11E/11B	104	ABC	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 through compilation of historic work should be undertaken.

1903, first recorded excavation on the property by unknown. This was a 10m long trench over a shear zone (Northcote,1989).

During the late 1970's Gulf Minerals Canada Ltd. carried out an extensive exploration program for Uranium and base metals in the Cobequid highlands. Gulf's program included geological mapping, soil and rock sampling, trenching, and drilling. Gulf also carried out ground and airborne gamma ray spectrometry surveys as well as VLF-EM- magnetometer (Downey, 1978). Unfortunately, Gulf's work was focused to the south of license 09388 with very little work being completed on the small portion of their claims which were on the south part of license 09388.

In 1988, NSDNR geologists re-visited the Byers lake Mineral Occurrence. Their report included a small work history, site visit notes, as well six assay results. One sample recorded 19ppb Au in a rhyolitic tuff wall rock (Northcote, 1989).

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. Several of which showed positive Au anomalies, hence reinforcing anomalies discover by Mills in 1989. Seabright suggested that the source of the Au anomalies was in the NW of their property, which is now license 09388.

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

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

6.0 Local and Regional Geology

Regional geology of the area is dominated by four Late Devonian-Early Carboniferous mafic-felsic volcanic and plutonic units as shown in figure 2. This suite of rocks is bound to the north by unconformably overlying late Carboniferous sediments of the Cumberland Basin and to the south by the Rockland Brook fault (RBF) (MacHattie, 2010a). From east to west 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, license 09388 is situated on a fingered contact zone between the BBF and the DBF. A small episode of basaltic flows (DCBb) interbedded with rhyolite flows has been mapped by Donahoe and Wallace on the southern boundary of license 09388.

7.0 Work Preformed

Work performed included Au and Rare Earth prospecting as well as rock and stream sediment sample collection. Historic reports were also collected, perused and stored for later thorough compilation.

The first phase of the project was to map and prospect all roads and trails. Road mapping was completed to establish access points to the property. Prospecting was completed by scanning all roads for radiometric anomalies as thorium has been established as an indicator for rare earth element 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.

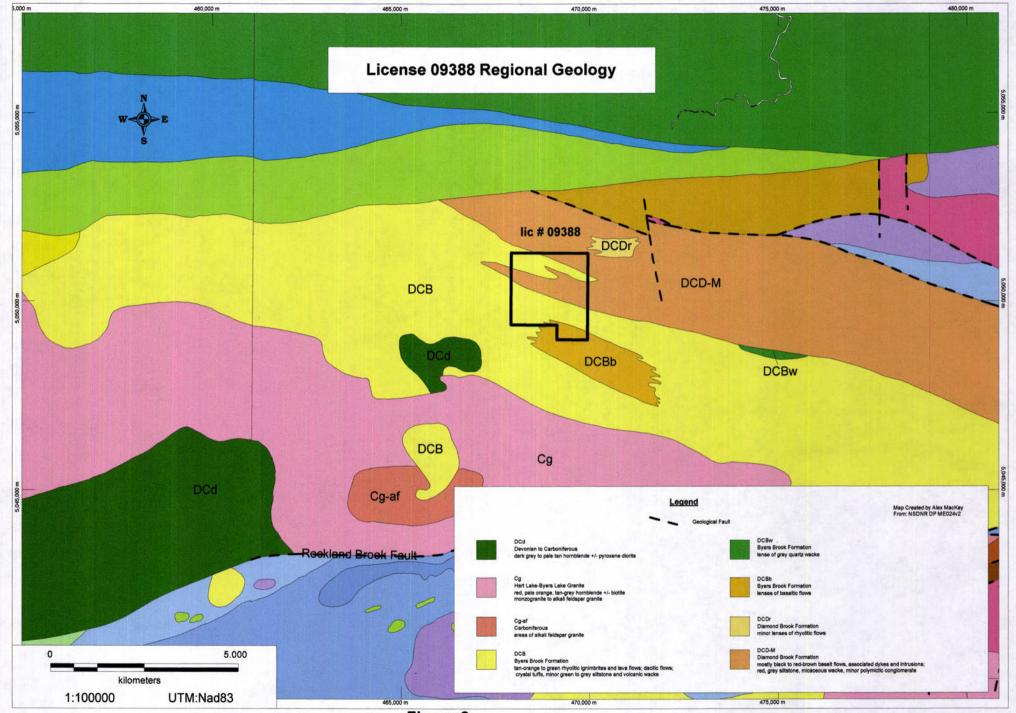


Figure 2

The 2nd phase of work was to complete several small traverses to identify historic mineral occurrences and mine workings as found in NSDNR databases. Rock samples were also collected and XRF'd while a stream sediment sample was panned for Au and XRF'd once dry. Sampling procedure included selecting a mineralized outcrop (usually sulfide mineralization) or an outcrop showing some sort of special textural feature, notes and GPS location were recorded at the time of collection. GPS locations were marked using a Garmin 60CSX GPS receiver (See Appendix B for sample descriptions and locations). Approximately, 1-2 kg of material was collected from each site which is stored for future reference. For samples sent to the lab, half of the sample material was sent to the lab while the remainder is stored for future reference. Two samples were submitted to Dalhousie University Minerals Engineering Centre for analysis by hydrochloric-nitric-hydrofluoric-perchloric acid digestion with a Flame Atomic Absorption (ICP-OES) finish for trace elements, li-metaborate/Li-tetraborate fusion with ICP-OES finish for REE's.

XRF procedure including selecting a fresh face on the sample displaying the interesting feature sought on the sample (ie, a patch of sulfide mineralization, or a rusty zone on the rock). The XRF analyzer was set to 3 beam soil analysis mode for 15 seconds per beam. In order to limit the amount of data, the analyzer was set to only export elements of interest. For this property elements of interest were REE indicators yttrium (Y), zirconium (Zr) niobium (Nb) and thorium (Th), also of interest is results for gold (Au) as such gold results were set to export as well. Results presented are in the units of uncorrected ppm values as no known material was available to generate correction factors.

The 3rd work phase was to collect heavy mineral concentrates from stream sediments using a Keene Engineering A52 sluice box. The sluice box was set-up in the river, downstream from a rusty, silicified sequence of rock and adjacent to a large 10m x 5m sand and gravel bar along river bank. Five natural trap sites were selected from the sand and gravel bar and two 2 gallon buckets (20-25lbs/bucket) filled from each of the five traps. Buckets of material were fed through a ¼" screen emptying directly into the sluice. +¼" material was inspected for mineralization and discarded. Upon completion of processing of all five sites, the sluice box was carefully removed from the river and the concentrated heavy minerals were collected in a five gallon bucket, which was then tagged and transported back to the lab for further processing.

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

Table 2-Sieve Size Fractions

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

The 10 mesh sieve was used primarily to remove the coarsest material. +10 and +16 material was inspected and retained for later analysis if necessary. Material from size fractions, -16 +42, -42 +60, -60 +80 and -80 was collected and put into 3.5cm diameter plastic vials. Vials were fitted with a thin plastic cover retained by a rubber band. The vials were then placed upside on the XRF analyzer in a test stand so that X-ray beam went through the thin plastic cover



Figure 3-Vial used for XRF analysis

as opposed to the thicker plastic of the container. Data collected from the analyzer was similar to that collected for rocks in that only elements of interest (Y, Zr, Nb, Th, Au) were exported from the analyser and units are uncorrected ppm units. Analyser settings were the same as well; 3 beam soil mode for 15 seconds per beam.



Figure 4-XRF analyzer in test stand

Upon completion of XRF analyses samples were inspected for visible gold grains. As there was not enough material from each sample fraction to utilize the Wilfley Table, the different fractions were carefully hand panned. The resulting heavies were inspected under a binocular microscope for visible gold grains. See Results in Table 3.

8.0 Results of Work

Traverses turned up some interesting rocks. Particularly, a grey clay like fault gouge with over 5% sulfides from station BB-08b, and similar colour grey rock, probably silicified basalt with over 5% sulfides from station BB-08a. Both materials were submitted to Dalhousie dept. of Minerals Engineering for analyses. Results were generally discouraging for all types of mineralization. See Appendix C for analysis methodology and results. All other rocks collected, including several outcrops of sulfide mineralized basalts were analyzed with the XRF analyzer. XRF results were

generally discouraging, with only one small kick for gold at station BB-10. Uncorrected XRF results are available in Appendix B.

Panning of a the semi consolidated grey clay from station BB-08 in the river bed yielded concentrated pyrite but no results for Au were obtained with the XRF or through visual inspection. See Appendix B for XRF results.

Sieved sluice fractions did reveal some small traces of gold in XRF analysis in the +60,-42 mesh and -60,+80 mesh fractions. Unfortunately, no gold grains were observed as part of the gold grain counting process. See table 3 below for results.

Table 3-Au XRF and Microscope results for sieved sluice fractions

Station	Size Fraction	XRF for Au	XRF Au +/-	Microscope Gold Grain Counting Results
BB-12	+42,-16	-12	22	Black sand + red hematite + minor dark grey and silvery arsenopyrite, no VG
BB-12	+60,-42	26	18	Mostly black sand, minor hematite, very minor arsenopyrite, No VG
BB-12	-60,+80	25	19	Mostly black sand, minor hematite, very minor arsenopyrite, No VG
BB-12	-80	1	19	Mostly black sand, minor hematite, very minor arsenopyrite, No VG

The spectrometer survey for REE's failed to turn up any significant anomalies. Only a few small Nb kicks were recorded in the XRF analysis. REE results were essentially nil from the ICP-OES analysis at Dalhousie. See Appendix A for spectrometer data, Appendix B for XRF analysis results and Appendix C for ICP-OES results.

9.0 Conclusions and Recommendations

Historic stream anomalies have still not been sourced, but traces of Au were detected in the 2011 work program. Further work including more rock sample analysis and stream sediments should conducted in 2012.

10.0 References

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11.0 Statement of Qualifications

- I, S. Alex Mackay of Westville, Nova Scotia do hereby swear to be a qualified author for Nova Scotia exploration assessment reports. Qualifications stem from degrees obtained from Dalhousie University of Halifax, Nova Scotia Canada.
- -BSc. Earth Science & Physics (2008)
- -Dip. of Engineering (2003)

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

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Spectrometer Survey Results

X_Nad83		,					
	Y_Nad83	Total_0_	_Total_1_	Total_2_	Total_3_	Total_4_	average
467980	5050109	243	283	253	253	241	254.6
468023	5050086	229	237	194	223	244	225.4
46801.6	5050091	256	269	268	297	307	279.4
			238	222	302	296	268.4
468009	5050097	284					
468002	5050104	262	259	245	293	257	263.2
467995	5050106	270	272	263	268	273	269.2
467988	5050106	288	313	287	261	280	285.8
467973	5050116	236	243	232	248	234	238.6
		231	206	239	240	225	228.2
467965	5050116						
467956	5050116	193	175	183	189	214	190.8
467945	5050115	216	222	210	204	205	211.4
467938	5050117	248	213	217	190	238	221.2
467930	5050120	170	181	196	215	183	189
467923	5050122	166	158	151	187	167	165.8
							150.6
467915	5050119	140	162	143	162	146	
468179	5050105	243	250	232	212	223	232
468167	5050100	245	223	249	239	208	232.8
468173	5050102	246	227	240	237	241	238.2
468068	5050032	207	146	140	148	146	157.4
					141	146	143.2
468068	5050037	124	160	145			
468066	5050039	168	171	192	174	171	175.2
468065	5050016	231	203	206	211	220	214.2
468068	5049999	199	216	196	237	211	211.8
	5049983	209	224	197	225	231	217.2
468073						236	237.8
468082	5049961	253	235	238	226		
468079	5049974	219	226	223	197	209	214.8
468079	5049949	261	221	264	269	267	256.4
468081	5049936	291	278	258	241	280	269.6
468082	5049923	225	259	255	224	239	240.4
				226	222	198	227.6
468085	5049908	249	243				
468087	5049897	229	165	106	126	157	156.6
468085	5049749	210	193	205	218	196	204.4
468087	5049769	336	361	337	282	318	326.8
468085	5049780	316	406	364	414	393	378.6
		410	359	341	338	312	352
468087	5049794						
468081	5049759	256	223	232	214	220	229
468081	5049745	209	241	211	232	220	222.6
468081	5049730	215	227	234	245	234	231
468080	5049713	211	217	230	210	216	216.8
	5049804	330	347	342	371	387	355.4
468090							316.8
468093	5049816	366	324	307	289	298	
468095	5049831	290	309	293	277	251	284
468097	5049842	229	269	245	208	191	228.4
468098	5049855	181	198	215	198	252	208.8
	5049868	209	187	201	183	186	193.2
468098							163.4
468091	5049886	155	134	136	175	217	
468094	5049874	182	200	168	171	182	180.6
468075	5050050	224	238	199	225	227	222.6
468037	5050075	228	217	222	229	209	221
468062	5050045	194	189	213			22.1
	3030043				218		
468057					218	204	203.6
468052	5050053	238	198	217	209	204 217	203.6 215.8
	5050053 5050058		198 223	217 208	209 256	204 217 229	203.6 215.8 219.8
468047		238	198	217	209	204 217	203.6 215.8 219.8 210.6
	5050058	238 183	198 223	217 208	209 256	204 217 229	203.6 215.8 219.8
468047 468043	5050058 5050063 5050069	238 183 209 188	198 223 207 204	217 208 210 250	209 256 206 201	204 217 229 221	203.6 215.8 219.8 210.6
468047 468043 468030	5050058 5050063 5050069 5050081	238 183 209 188 222	198 223 207 204 216	217 208 210 250 225	209 256 206 201 257	204 217 229 221 211 215	203.6 215.8 219.8 210.6 210.8
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468047 468043 468030 468065	5050058 5050063 5050069 5050081 5050041 5050069 5050073	238 183 209 188 222 232	198 223 207 204 216 278 277 237	217 208 210 250 225 279 273 263	209 256 206 201 257 248 299 258	204 217 229 221 211 215 242 280 250	203.6 215.8 219.8 210.6 210.8 227 255.8 279 251.2
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468047 468043 468030 468065 468118 468129 468140	5050058 5050063 5050069 5050081 5050041 5050069 5050073 5050080	238 183 209 188 222 232 266 248 265	198 223 207 204 216 278 277 237	217 208 210 250 225 279 273 263	209 256 206 201 257 248 299 258	204 217 229 221 211 215 242 280 250	203.6 215.8 219.8 210.6 210.8 227 255.8 279 251.2
468047 468043 468030 468065 468118 468129 468140	\$050058 \$050063 \$050069 \$050081 \$050041 \$050069 \$050073 \$050080 \$050086	238 183 209 188 222 232 266 248 265 225	198 223 207 204 216 278 277 237 237 232	217 208 210 250 225 279 273 263 281 227	209 256 206 201 257 248 259 258 243 225	204 217 229 221 211 215 242 280 250 258 247	203.6 215.8 219.8 210.6 210.8 227 255.8 279 251.2 255.8 232.4
468047 468043 468030 468055 468118 468129 468140 468147 468157	\$050058 \$050063 \$050069 \$050081 \$050041 \$050069 \$050073 \$050080 \$050086 \$050086	238 183 209 188 222 232 266 248 265 225 229	198 223 207 204 216 278 277 237 232 238 216	217 208 210 250 225 279 273 263 281 227 248	209 256 206 201 257 248 259 258 243 225 244	204 217 229 221 211 215 242 280 250 258 247 240	203.6 215.8 219.8 210.6 210.8 227 255.8 279 251.2 255.8 232.4 235.4
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468047 468043 468030 468050 468118 468129 468140 468147 468157 468111	\$050058 \$050063 \$050069 \$050081 \$050081 \$050069 \$050073 \$050080 \$050086 \$050095 \$050066	238 183 209 188 222 232 266 248 265 225 229 235	198 223 207 204 216 278 277 237 232 238 216 279	217 208 210 250 225 279 273 263 281 227 248	209 256 206 201 257 248 259 258 243 225 244 219	204 217 229 221 211 215 242 280 250 258 258 247 244 225	203.6 215.8 219.8 210.6 210.6 227 255.8 279 251.2 255.8 232.4 235.4 240.2 192 221
468047 468043 468030 468055 468118 468129 468140 468147 468157 468151 468096 468083	\$050058 \$050063 \$050069 \$050081 \$050069 \$050073 \$050080 \$050086 \$050095 \$050066 \$050063	238 183 209 188 222 232 266 248 265 225 229 235 229	198 223 207 204 216 278 277 237 232 238 216 279 188	217 208 210 250 225 279 273 263 281 227 248 248 243 189	209 256 206 201 257 248 299 258 243 225 244 219	204 217 229 221 211 215 242 280 250 258 247 240 240 225	203.6 215.8 219.8 210.6 210.8 227 255.8 279 251.2 255.8 232.4 235.4 240.2
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468047 468043 468030 468055 468118 468129 468140 468147 468157 468111 468096 468083 468073	\$050058 \$050063 \$050069 \$050081 \$050081 \$050069 \$050073 \$050080 \$050086 \$050095 \$050066 \$050063 \$050066 \$050065 \$050065 \$050065 \$050065	238 183 209 188 222 232 266 248 265 225 229 235 229 235 229 230 225	198 223 207 204 216 278 277 237 232 238 216 279 188 196 242	217 208 210 250 225 279 273 263 281 227 248 243 189 205 194 176	209 256 206 201 257 248 259 258 243 225 244 219 171 234 199 206	204 217 229 221 211 215 242 280 250 258 247 240 225 187 272 201 173	203.6 215.8 219.8 210.6 210.8 227 255.8 279 251.2 255.8 232.4 235.4 240.2 192 221 213.2
468047 468043 468030 468050 468055 468118 468129 468140 468147 468157 468111 468056 468083 468073 4680102 468097	\$050058 \$050069 \$050069 \$050081 \$050041 \$050069 \$050073 \$050080 \$050086 \$050095 \$050066 \$050063 \$050066 \$050063 \$050065 \$050063	238 183 209 188 222 232 266 248 265 225 229 235 229 235 225 290 235 225 227	198 223 207 204 216 278 277 237 232 238 216 279 188 196 242 190 200	217 208 210 250 225 279 273 263 281 227 248 248 243 189 205 194 176	209 256 206 201 257 248 289 258 243 225 244 219 171 234 199 206	204 217 229 221 211 215 242 280 250 258 247 240 225 187 272 201 173	203.6 215.8 219.8 210.6 210.8 227 255.8 279 251.2 255.8 232.4 240.2 192 221 213.2 194
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468047 468043 468030 468055 468118 468129 468140 468147 468157 468111 468056 468073 468073 468097 468099	\$050058 \$050063 \$050069 \$050081 \$050041 \$050069 \$050073 \$050086 \$050095 \$050066 \$050066 \$050066 \$050066 \$050063 \$050045 \$049631 \$049639 \$049647	238 183 209 188 222 232 266 248 265 225 229 235 225 229 235 225 237 178	198 223 207 204 216 278 277 237 232 238 216 279 188 196 242 190 200 180	217 208 210 250 225 279 273 263 281 227 248 189 205 194 176 197	209 256 206 201 257 248 259 258 243 225 244 219 171 234 199 206 201	204 217 229 221 211 215 242 280 250 258 247 240 225 187 272 201 173 190	203.6 215.8 219.8 210.6 210.8 227 255.8 279 251.2 255.8 232.4 235.4 240.2 192 221 213.2 194 199 200.6
468047 468043 468030 468055 468118 468129 468140 468147 468157 468111 468096 468093 468093	\$050058 \$050063 \$050069 \$050081 \$050069 \$050073 \$050086 \$050086 \$050086 \$050066 \$050066 \$050066 \$050065 \$050065 \$050065 \$050065 \$050065 \$050065 \$050066 \$050065 \$050066 \$05	238 183 209 188 222 232 246 248 265 225 229 235 229 235 229 235 229 235 27 178 165	198 223 207 204 216 278 277 237 232 238 216 279 188 196 242 190 200 180 182	217 208 210 250 225 279 273 263 281 227 248 243 189 205 194 176 197 227 180	209 256 206 201 257 248 259 258 243 225 244 219 171 234 199 206 201 227 189	204 217 229 221 211 215 242 280 250 250 258 247 240 225 187 272 201 173 190 191	203.6 215.8 219.8 210.6 210.8 227 255.8 279 251.2 255.8 232.4 240.2 192 221 213.2 194 199 200.6 178.6
468047 468043 468030 468055 468118 468129 468140 468147 468157 468111 468096 468083 468093 468093 468094 468091 468091	\$050058 \$050063 \$050069 \$050081 \$050041 \$050069 \$050073 \$050080 \$050086 \$050086 \$050086 \$050063 \$050066 \$050063 \$050056 \$05005	238 183 209 188 222 232 266 248 265 225 229 235 229 235 227 198 230 225 207 178 165 1441 216	198 223 207 204 216 278 277 237 232 238 216 279 188 196 242 190 200 180 182 145	217 208 210 250 225 279 273 263 281 227 248 248 243 189 205 194 176 197 227 180 160 217	209 256 206 201 257 248 259 258 243 225 244 219 171 234 199 206 201 227 189	204 217 229 221 211 215 242 280 250 258 247 240 225 187 277 201 173 190 191 177 226	203.6 215.8 219.8 210.6 210.8 227 255.8 279 251.2 255.8 232.4 240.2 192 221 213.2 194 199 200.6 178.6 168.8 236.8
468047 468043 468030 468055 468118 468129 468140 468147 468157 468111 468066 468083 468073 468094 468091 468084	\$050058 \$050063 \$050069 \$050081 \$050041 \$050069 \$050073 \$050086 \$050095 \$050066 \$050066 \$050066 \$050066 \$050065 \$050063 \$050045 \$050045 \$049631 \$049654 \$049664 \$049685 \$049685	238 183 209 188 222 232 266 248 265 225 229 235 225 229 198 230 225 207 178 165 141 216 233	198 223 207 204 216 278 277 237 232 238 216 279 188 196 242 190 200 180 182 145 228	217 208 210 250 225 279 273 263 281 227 248 243 189 205 194 176 197 227 180 160 217	209 256 206 201 257 248 259 258 243 225 244 219 171 234 199 206 201 227 189 172 282	204 217 229 221 211 215 242 280 250 258 247 240 225 187 272 201 173 190 191 177 226 241	203.6 215.8 219.8 210.6 210.8 227 255.8 279 251.2 255.8 232.4 235.4 240.2 192 221 213.2 194 199 200.6 178.6 168.8 236.8
468047 468030 468030 468055 468118 468129 468147 468157 468157 468111 468096 468083 468073 468102 468091 468091 468091 468091 468091 468087	\$050058 \$050063 \$050069 \$050081 \$050041 \$050069 \$050073 \$050086 \$050095 \$050066 \$050066 \$050066 \$050066 \$050065 \$050065 \$050063 \$050065 \$05006	238 183 209 188 222 232 266 248 248 248 225 225 229 235 225 299 235 207 178 165 141 216 233 245	198 223 207 204 216 278 277 237 232 238 216 279 188 196 242 190 200 180 182 145 228 225	217 208 210 250 225 279 273 263 261 227 248 243 189 205 194 176 197 227 180 160 160 1217 223	209 256 206 201 257 248 259 258 243 225 244 219 171 234 199 206 201 227 189 172 282 240	204 217 229 221 211 215 242 280 250 250 258 247 240 225 187 272 201 173 190 191 177 226 241 242 242 242	203.6 215.8 219.8 210.6 210.8 227 255.8 279 251.2 255.8 232.4 240.2 192 221 213.2 194 199 200.6 178.6 188.8 236.8 232.6 261.8
468047 468043 468030 468055 468118 468129 468140 468147 468157 468111 468066 468083 468073 468094 468091 468084	\$050058 \$050063 \$050069 \$050081 \$050041 \$050069 \$050073 \$050086 \$050095 \$050066 \$050066 \$050066 \$050066 \$050065 \$050063 \$050045 \$050045 \$049631 \$049654 \$049664 \$049685 \$049685	238 183 209 188 222 232 266 248 265 225 229 235 225 229 198 230 225 207 178 165 141 216 233	198 223 207 204 216 278 277 237 232 238 216 279 188 196 242 190 200 180 182 145 228	217 208 210 250 225 279 273 263 281 227 248 243 189 205 194 176 197 227 180 160 217	209 256 206 201 257 248 259 258 243 225 244 219 171 234 199 206 201 227 189 172 282	204 217 229 221 211 215 242 280 250 258 247 240 225 187 272 201 173 190 191 177 226 241	203.6 215.8 219.8 210.6 210.8 227 255.8 279 251.2 255.8 232.4 235.4 240.2 192 221 213.2 194 199 200.6 178.6 168.8 232.6 265.2
468047 468043 468043 468043 468055 468118 468129 468140 468147 468157 468111 468096 468083 468073 468102 468091 468091 468091 468091 468094 468084	\$050058 \$050063 \$050069 \$050081 \$050069 \$050073 \$050073 \$050086 \$050086 \$050086 \$050066 \$050065 \$050065 \$050065 \$050045 \$049631 \$049639 \$049661 \$049687	238 183 209 188 222 232 266 248 248 248 225 225 229 235 225 299 235 207 178 165 141 216 233 245	198 223 207 204 216 278 277 237 232 238 216 279 188 196 242 190 200 180 182 145 228 225	217 208 210 250 225 279 273 263 261 227 248 243 189 205 194 176 197 227 180 160 160 1217 223	209 256 206 201 257 248 259 258 243 225 244 219 171 234 199 206 201 227 189 172 282 240	204 217 229 221 211 215 242 280 250 250 258 247 240 225 187 272 201 173 190 191 177 226 241 242 242 242	203.6 215.8 219.8 210.6 210.8 227 255.8 279 251.2 255.8 232.4 240.2 192 221 213.2 194 199 200.6 178.6 168.8 232.6 261.8
468047 468043 468043 468055 468118 468129 468147 468157 468111 468096 468093 468097 468091 468091 468084 468087	\$050058 \$050063 \$050069 \$050069 \$050069 \$050073 \$050080 \$050086 \$050086 \$050086 \$050063 \$050066 \$050063 \$050056 \$050056 \$050055 \$050056 \$05005	238 183 209 188 222 232 266 248 265 225 229 235 229 235 227 178 165 141 216 233 245 245	198 223 207 204 216 278 277 237 232 238 216 279 188 196 242 190 200 180 182 145 228 225 244 285	217 208 210 250 225 279 273 263 281 227 248 248 243 189 205 194 176 197 227 180 160 217 223 288	209 256 206 201 257 248 259 258 243 225 244 219 171 234 199 206 201 227 189 172 282 240 255 308	204 217 229 221 211 215 242 280 250 258 258 247 240 225 187 272 201 173 190 191 177 226 241 242 272	203.6 215.8 219.8 210.6 210.8 227 255.8 279 251.2 255.8 232.4 235.4 240.2 192 221 213.2 194 199 200.6 178.6 168.8 232.6 265.2
468047 468043 468030 468055 468118 468129 468140 468147 468157 468157 468111 468056 468083 468073 468094 468087 468087 4680887	\$050058 \$050063 \$050069 \$050081 \$050069 \$050069 \$050073 \$050086 \$050095 \$050066 \$050066 \$050066 \$050066 \$050066 \$050063 \$050064 \$050065 \$05006	238 183 209 188 222 232 266 248 265 225 229 235 225 229 235 225 297 178 165 241 216 233 245 232 303	198 223 207 204 216 278 277 237 232 238 216 279 188 196 242 190 200 180 182 225 228 224 228 225 224 228 225 220	217 208 210 250 225 279 273 263 281 227 248 243 189 205 194 176 197 227 180 160 217 223 288 262 296	209 256 206 201 257 248 259 258 243 225 244 219 171 234 199 206 201 227 189 207 282 240 252 240 252 308 277	204 217 229 221 211 215 242 280 250 258 247 240 225 187 272 201 173 190 191 177 226 241 242 272 280 264	203.6 215.8 219.8 210.6 210.8 2207 255.8 279 251.2 255.8 232.4 235.4 240.2 192 221 213.2 194 199 200.6 178.6 168.8 236.8 232.6 261.8 265.2 285
468047 468043 468030 468055 468118 468129 468147 468157 468147 468157 468111 468096 468083 468073 468097 468091 468091 468091 468094 468085 468084 468085 468084 468087	\$050058 \$050063 \$050069 \$050081 \$050081 \$050081 \$050073 \$050086 \$050095 \$050086 \$050095 \$050066 \$050063 \$050065 \$050065 \$050045 \$049631 \$049637 \$049661 \$049685 \$049683 \$049683 \$049683 \$049685 \$049685 \$049687 \$049687 \$049686 \$049687 \$049686	238 183 209 188 222 232 266 248 248 248 225 225 229 235 225 297 178 165 141 216 233 245 232 303 264 204	198 223 207 204 216 278 277 237 232 238 216 279 188 196 242 190 200 180 182 145 228 225 244 285 220 201	217 208 210 210 250 225 279 273 263 281 227 248 243 189 205 194 176 197 227 180 160 160 217 223 288 262 296 230 204	209 256 206 201 257 248 259 258 243 225 244 219 171 234 199 206 201 227 189 172 282 240 252 308 277 158	204 217 229 221 211 215 242 280 250 258 247 240 225 187 272 201 173 190 191 177 226 241 242 242 242 242 241 244 272 280 264 199	203.6 215.8 219.8 210.6 210.8 227 255.8 279 251.2 255.8 232.4 235.4 240.2 192 221 213.2 194 199 200.6 178.6 168.8 236.8 236.8 265.2 285
468047 468043 468030 468055 468118 468129 468140 468147 468157 468157 468111 468056 468083 468073 468094 468087 468087 4680887	\$050058 \$050063 \$050069 \$050069 \$050069 \$050073 \$050069 \$050073 \$050086 \$050095 \$050066 \$050065 \$05006	238 183 209 188 222 232 248 266 248 265 225 225 229 235 225 29 235 225 198 230 225 207 178 165 141 216 233 245 232 303 264 204	198 223 207 204 216 278 277 237 232 238 216 279 188 196 242 190 200 180 182 145 228 225 244 285 220 201	217 208 210 250 225 279 273 263 281 227 248 248 243 189 205 194 176 197 227 180 160 217 223 288 262 296 230 204	209 256 201 257 248 299 258 243 225 244 219 171 224 219 206 201 227 189 172 282 240 255 308 277 158 223 228	204 217 229 221 211 215 242 280 250 258 247 240 225 187 272 201 173 190 177 226 241 242 272 280 264 199 206	203.6 215.8 219.8 219.8 210.6 210.8 227 255.8 279 251.2 255.8 232.4 235.4 240.2 192 221 213.2 194 199 200.6 178.6 168.8 236.8 236.8 232.6 261.8 265.2 285 214.2 207.6
468047 468043 468030 468055 468118 468129 468147 468157 468147 468157 468111 468096 468083 468073 468097 468091 468091 468091 468094 468085 468084 468085 468084 468087	\$050058 \$050063 \$050069 \$050081 \$050081 \$050081 \$050073 \$050086 \$050095 \$050086 \$050095 \$050066 \$050063 \$050065 \$050065 \$050045 \$049631 \$049637 \$049661 \$049685 \$049683 \$049683 \$049683 \$049685 \$049685 \$049687 \$049687 \$049686 \$049687 \$049686	238 183 209 188 222 232 266 248 248 248 225 225 229 235 225 297 178 165 141 216 233 245 232 303 264 204	198 223 207 204 216 278 277 237 232 238 216 279 188 196 242 190 200 180 182 145 228 225 244 285 220 201	217 208 210 210 250 225 279 273 263 281 227 248 243 189 205 194 176 197 227 180 160 160 217 223 288 262 296 230 204	209 256 206 201 257 248 259 258 243 225 244 219 171 234 199 206 201 227 189 172 282 240 252 308 277 158	204 217 229 221 211 215 242 280 250 258 247 240 225 187 272 201 173 190 191 177 226 241 242 242 242 242 241 244 272 280 264 199	203.6 215.8 219.8 219.8 210.6 210.8 227 255.8 279 251.2 255.8 232.4 240.2 192 221 213.2 194 199 200.6 178.6 168.8 232.8 232.6 240.2 255.8 232.6 240.2 255.8 255.8 227.2 262
468047 468043 468043 468030 468055 468118 468129 468140 468147 468157 468111 468096 468083 468073 468102 468091 468091 468091 468091 468085 468084 468085 4680864 468087 4680864 468087	\$050058 \$050063 \$050069 \$050069 \$050069 \$050073 \$050069 \$050073 \$050086 \$050095 \$050066 \$050065 \$05006	238 183 209 188 222 232 248 266 248 265 225 225 229 235 225 29 235 225 198 230 225 207 178 165 141 216 233 245 232 303 264 204	198 223 207 204 216 278 277 237 232 238 216 279 188 196 242 190 200 180 182 145 228 225 244 285 220 201	217 208 210 250 225 279 273 263 281 227 248 248 243 189 205 194 176 197 227 180 160 217 223 288 262 296 230 204	209 256 201 257 248 299 258 243 225 244 219 171 224 219 206 201 227 189 172 282 240 255 308 277 158 223 228	204 217 229 221 211 215 242 280 250 258 247 240 225 187 272 201 173 190 177 226 241 242 272 280 264 199 206	203.6 215.8 219.8 219.8 210.6 210.8 227 255.8 279 251.2 255.8 232.4 235.4 240.2 192 221 213.2 194 199 200.6 178.6 168.8 236.8 236.8 232.6 261.8 265.2 285 214.2 207.6
468047 468043 468030 468005 468118 468129 468140 468147 468157 468111 468056 468083 468073 468102 468094 468091 468087 468087 468087 468087 468087 468087 468089 468089 468089 468089	\$050058 \$050063 \$050069 \$050081 \$050041 \$050069 \$050073 \$050086 \$050095 \$050066 \$050066 \$050066 \$050066 \$050066 \$050063 \$050066 \$050063 \$050065 \$050063 \$050065 \$05006	238 183 209 188 222 232 266 248 265 225 229 235 229 235 227 178 165 141 216 233 245 245 232 303 264 204 213 286	198 223 207 204 216 278 277 237 232 238 216 216 279 188 196 242 190 200 180 182 245 245 244 285 220 201 214	217 208 210 250 210 250 225 279 273 263 281 227 248 248 243 189 205 194 176 197 227 180 160 217 223 288 262 296 230 204 237 250	209 256 206 201 257 248 289 258 243 225 244 219 171 234 199 206 201 227 189 172 282 240 252 308 277 158 223 218	204 217 229 221 211 215 242 280 250 258 247 240 225 187 272 201 173 190 191 177 226 241 242 242 272 280 264 199 206 254 247	203.6 215.8 219.8 219.8 210.6 210.8 227 255.8 279 251.2 255.8 232.4 240.2 192 221 213.2 194 199 200.6 178.6 168.8 232.8 232.6 240.2 255.8 232.6 240.2 255.8 255.8 227.2 262
468047 468043 468043 468030 468055 468118 468129 468140 468147 468157 468111 468096 468083 468073 468091 468091 468091 468087 468084 468085 4680884 468087 4680887 4680887 4680887 4680887	\$050058 \$050063 \$050069 \$050081 \$050041 \$050069 \$050073 \$050086 \$050086 \$050086 \$050063 \$050066 \$050063 \$050065 \$05006	238 183 209 188 222 232 266 248 265 225 229 235 225 229 235 225 237 178 165 233 245 233 245 232 303 264 204 213 286	198 223 207 204 216 278 277 237 232 238 216 279 188 196 242 190 200 180 182 225 225 228 224 244 285 220 201 201 214 267 205	217 208 210 250 225 279 273 263 261 227 248 243 189 205 194 176 197 227 180 217 223 288 282 262 266 230 204 237 250 235	209 256 206 201 257 248 259 258 243 225 244 219 171 234 199 206 201 227 189 207 227 189 277 158 223 240 252 252 266 277	204 217 229 221 211 215 242 280 250 258 247 240 225 187 272 201 173 190 191 177 226 241 242 272 280 264 199 206 254 247 261	203.6 215.8 219.8 210.6 210.8 227 255.8 279 251.2 255.8 232.4 240.2 192 221 213.2 194 199 200.6 178.6 168.8 232.6 261.8 265.2 285 214.2 207.6 227.2 262

468135 468138	I	l	1	I	i	l 345	l
468138	5049571	245	233	239	235	249	240.2
	5049564	250	238	222	245	227	236.4
468141	5049553	240	272	226	217	241	239.2
468149	5049518	247	259	251	250	260	253.4
468149	5049511	288	292	246	274	271	274.2
468194	5049436	288	334	271	254	259	281.2
468189	5049440	261	271	281	274	213	260
468181	5049444	281	275	219	246	239	252
468177	5049453	235	233	232	242	236	235.6
468174	5049460	217	258	259	232	268	246.8
468169	5049465	267	218	239	268	239	246.2
468165	5049471	267	257	224	267	251	253.2
					272	284	273.8
468160	5049480	272	258	283			
468155	5049488	248	287	243	250	261	257.8
468151	5049498	263	252	253	241	243	250.4
468187	5050109	206	210	187	221	180	200.8
468194	5050113	232	219	253	237	202	228.6
468200	5050118	194	174	162	146	176	170.4
468208	5050125	187	248	231	198	214	215.6
468217	5050130	214	191	166	180	167	183.6
468226	5050133	178	177	164	176	172	173.4
468243	5050139	250	238	249	250	240	245.4
468253	5050141	247	232	245	233	264	244.4
468260	5050144	211	239	273	259	220	240.4
		231	236	208	199	193	213,4
468266	5050147					247	256.2
468283	5050150	244	266	283	241		
468276	5050149	207	195	209	231	249	218.2
468299	50501.64	281	325	269	250	222	269.4
468289	5050157	267	254	223	224	227	239
468333	5050224	117	111	126	99	148	120.2
468330	5050234	126	116	112	123	114	118.2
468328	5050241	129	107	122	104	108	114
468323	5050250	129	112	136	100	132	121.8
468331	5050217	121	139	154	127	145	137.4
468327	5050204	191	188	197	223	211	202
468323	5050194	193	156	183	165	169	173.2
468316	5050183	234	220	247	247	218	233.2
468308	5050172	207	244	212	247	268	235.6
	5050298	138	103	133	103	105	116.4
468328					94	116	103.8
468340	5050348	93	113	103			
468338	5050338	118	109	127	118	95	113.4
468335	5050330	117	108	99	111	101	107.2
468334	5050324	96	109	105	102	126	107.6
468333	5050318	106	114	99	83	109	102.2
468330	5050312	114	102	109	120	118	112.6
468329	5050305	124	109	144	111	116	120,8
468327	5050291	96	95	99	95	112	99.4
468327	5050282	86	115	89	103	85	95.6
468326	5050276	84	94	92	79	99	89.6
468325	5050269	114	101	107	108	123	
							110.6
	5050259						110.6 116.6
468324	5050259	128	116	109	106	124	116,6
468233	5049407	128 241	116 256	109 246	106 233	124 304	116.6 256
468233 468252	5049407 5049398	128 241 211	116 256 217	109 246 222	106 233 222	124 304 204	116.6 256 215.2
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468233 468252 468243 468224 468227 468206 468201 468305 468296	5049407 5049338 5049403 5049413 5049419 5049427 5049431 5049390 5049388 5049389	128 241 211 179 242 232 252 255 225 204 247	116 256 217 196 257 284 266 280 265 257 234	109 245 222 220 227 290 257 274 214 224 248	106 233 222 249 270 267 236 312 231 243	124 304 204 242 249 261 241 277 234 240	116.6 256 215.2 217.2 249 266.8 250.4 279.6 233.8 233.6 244.6
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468233 468252 468243 468224 468217 468206 468201 468305 468296 468296 468276 468263 468364	5049407 5049398 5049413 5049413 5049419 5049427 5049431 5049390 5049380 5049380 5049380 5049380 5049380 5049390 5049390 5049390	128 241 211 179 242 232 252 255 204 247 233 224	116 256 217 196 257 284 266 280 265 257 234 237 242	109 246 222 220 227 280 257 274 214 224 248 243 260 188	106 233 222 249 270 267 236 312 231 243 245 277 223 193	124 304 204 242 249 261 241 277 234 240 249 241 228	116.6 256 215.2 217.2 249 266.8 250.4 279.6 233.8 233.6 244.6 245
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468233 468252 468243 468224 468217 468206 468201 468305 468226 468226 46826 46826 46826 46826 468364 468364	5049407 5049398 5049403 5049413 5049419 5049427 5049427 5049390 5049390 5049389 5049390 5049390 5049393 5049393 5049393 5049393 5049393 5049393 5049393	128 241 211 179 242 232 255 225 225 204 247 233 224 195 198	116 256 217 196 257 284 266 280 265 257 234 237 242 193 195 238	109 246 222 220 227 290 257 274 214 224 248 243 260 281 214 261	106 233 222 249 270 267 236 312 231 243 245 271 223 193 209 207	124 304 204 242 249 261 241 277 234 240 249 241 228 195 225 218	116.6 256 215.2 217.2 249 266.8 250.4 279.6 233.8 233.6 244.6 245 235.4 192.8 208.2
468233 468252 468243 468224 468217 468216 468201 468205 468296 468286 468286 468263 468354 468354 468351 468335	5049407 5049398 5049403 5049413 5049419 5049427 5049427 5049330 5049380 5049380 5049380 5049383 5049393 5049393 5049395 5049392	128 241 211 179 242 232 252 255 225 204 247 233 224 195 198 226	116 256 217 196 257 284 266 260 265 257 234 237 242 193 195 238 206	109 246 222 220 227 250 257 274 214 224 248 248 243 260 188 214 251 2561 228	106 233 222 249 270 267 236 312 231 243 245 271 223 193 209 207 224	124 304 204 242 249 261 277 234 240 249 241 228 195 225 218 229	116.6 256 215.2 217.2 249 266.8 250.4 279.6 233.8 233.6 244.6 245 235.4 192.8 208.2 230 216.6
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468233 468252 468243 468224 468217 468216 468201 468205 468226 468226 468226 468226 468351 468351 468351 468351 468351 468351 468351 468351	5049407 5049388 5049413 5049413 5049413 5049419 5049427 5049390 5049380 5049380 5049393 5049393 5049393 5049392 5049388 5049389 5049388 5049389 5049388	128 241 211 179 242 232 252 255 204 247 233 224 195 198 226 196 239 240 248 161	116 256 217 196 257 284 266 266 280 265 257 234 237 242 193 195 238 206 217 254 193 184	109 246 222 220 227 290 227 290 214 214 224 248 243 260 188 260 214 251 228 209 218 162	106 233 222 249 270 267 236 332 231 243 245 271 223 193 209 207 224 230 226 251	124 304 204 242 249 261 241 277 234 240 249 241 228 195 225 218 229 253 163	116.6 256 215.2 217.2 249 266.8 250.4 279.6 233.8 233.6 244.6 245 235.4 192.8 208.2 230 216.6 229.6 246.6 220.6
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468233 468252 468243 468224 468217 468216 468201 468205 468226 468226 468226 468226 468351 468351 468351 468351 468351 468351 468351 468351	5049407 5049388 5049413 5049413 5049413 5049419 5049427 5049390 5049380 5049380 5049393 5049393 5049393 5049392 5049388 5049389 5049388 5049389 5049388	128 241 211 179 242 232 252 255 204 247 233 224 195 198 226 196 239 240 248 161	116 256 217 196 257 284 266 266 280 265 257 234 237 242 193 195 238 206 217 254 193 184	109 246 222 220 227 290 227 290 214 214 224 248 243 260 188 260 214 251 228 209 218 162	106 233 222 249 270 267 236 332 231 243 245 271 223 193 209 207 224 230 226 251	124 304 204 242 249 261 241 240 249 241 240 249 241 228 195 225 218 229 253 254 193 163 169 207	116.6 256 215.2 217.2 249 266.8 250.4 250.4 233.8 233.6 244.6 245 235.4 192.8 208.2 230 216.6 229.6 246.6 220.6 168.6
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468233 468252 468243 468224 468226 468205 468201 468205 468296 468296 468276 468263 468364 468354 468353 468335 468335 468335 468335 468335 468335	5049407 5049388 5049413 5049413 5049413 5049419 5049427 5049320 5049380 5049380 5049380 5049393 5049393 5049393 5049392 5049392 5049383 5049393 5049392 5049383 5049383 5049383 5049383 5049383 5049383 5049383 5049383	128 241 211 179 242 232 252 255 204 247 233 224 195 198 226 196 239 240 248 161 167	116 256 217 196 257 284 266 280 265 257 234 237 242 193 195 238 206 217 254 193 184 163	109 246 222 220 227 2890 257 274 214 224 248 243 250 188 214 261 228 209 259 218 162 179	106 233 222 249 270 267 236 312 231 243 245 277 273 299 207 224 230 226 251 163 215 211	124 304 204 242 249 261 241 240 249 241 240 249 241 228 195 225 218 229 253 254 193 163 169 207	116.6 256 215.2 217.2 249 266.8 250.4 250.4 233.8 233.6 244.6 245.7 235.4 192.8 208.2 230 216.6 229.6 246.6 220.6 168.6 178.6
468233 468252 468243 468224 468217 468206 468201 468205 468296 468296 468296 468296 468296 468296 468351 468351 468351 468351 468351 468351 468351 468351 468375 46839 468407	5049407 5049388 5049413 5049413 5049413 5049413 5049427 5049380 5049380 5049380 5049380 5049395 5049395 5049395 5049395 5049388 5049388 5049388 5049388 5049410 5049422 5049446	128 241 211 179 242 232 255 225 225 204 247 233 224 195 198 226 196 239 240 248 161 167 148	116 256 217 196 257 284 266 280 265 257 234 237 242 193 195 238 206 217 254 193 181 181	109 246 222 220 227 290 257 274 214 224 248 243 260 188 214 261 228 209 259 218 162 179 215	106 233 222 249 270 267 236 312 231 243 245 271 223 193 209 207 224 230 226 251 163 215 211	124 304 204 242 249 261 277 234 240 249 241 227 249 241 228 195 225 218 229 253 254 193 163 169 207 215	116.6 256 215.2 217.2 249 266.8 250.4 279.6 233.8 233.6 244.6 245 235.4 192.8 208.2 230 216.6 229.6 246.6 220.6 166.6 178.6
468233 468252 468243 468224 468217 468206 468206 468205 468296 468296 468296 468276 468263 468364 468351 468335 468335 468335 468335 468375 468375 468375 468444 468444 468444 468469	5049407 5049398 5049413 5049413 5049413 5049419 5049427 5049481 5049390 5049389 5049389 5049390 5049393 5049393 5049392 5049392 5049393 5049393 5049391 5049391 5049391 5049410 5049422 5049460 5049460	128 241 211 179 242 232 252 255 204 247 233 224 195 198 226 196 239 240 248 161 167 148 199	116 256 217 196 257 284 266 280 265 257 234 237 242 193 195 238 206 217 254 193 184 163 181 179	109 246 222 220 227 290 227 290 257 274 214 224 248 248 243 260 188 214 261 228 209 219 219 219 219 219 210 210 210 211	106 233 222 249 270 267 236 312 231 243 245 245 271 223 193 209 207 224 230 226 251 163 215 211 221	124 304 204 242 249 261 241 277 234 240 249 241 228 195 225 218 229 253 254 193 163 169 207 215	116.6 256 215.2 217.2 249 266.8 250.4 279.6 233.8 233.6 244.6 245 235.4 192.8 208.2 230 216.6 229.6 246.6 220.6 166.6 178.6 192.4 205.4 195.2
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468233 468252 468243 468224 468217 468206 468201 468201 468201 468205 468226 468226 468226 468226 468263 468351	5049407 5049388 5049413 5049413 5049413 5049413 5049413 5049380 5049380 5049380 5049380 5049395 5049395 5049395 5049388 5049388 5049388 5049388 5049410 5049446 5049446 5049446 5049460 5049488 5049488	128 241 211 179 242 232 252 255 225 204 247 233 224 195 198 226 196 239 240 248 161 167 148 199 190 193 193	116 256 217 196 257 284 266 280 265 257 234 234 237 242 193 195 238 206 217 254 193 184 163 181 179 191 165 214 188	109 246 222 220 227 290 227 290 214 214 224 248 248 243 260 188 2114 251 218 209 219 219 218 162 179 215 211 201 182 188 208 188	106 233 222 249 270 267 267 236 312 231 243 245 271 223 193 209 207 224 230 226 251 163 215 163 215 196 166 166 197	124 304 204 242 249 261 241 277 234 240 249 241 228 195 225 218 229 253 254 193 163 169 207 215 198 165 196 196	116.6 256 215.2 217.2 249 266.8 250.4 279.6 233.8 233.6 244.6 245 235.4 192.8 208.2 230 216.6 229.6 246.6 178.6 192.4 195.2 173.6 193.6 192.6
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468233 468252 468243 468224 468217 468206 468206 468206 468206 468206 468206 468206 468263 468305 468351 468335 468330 468335 468335 468335 468335 468346 468351 468351 468351 468351 468351 468351 468351 468355 468375 468375 468389 468407	5049407 5049388 5049413 5049413 5049413 5049413 5049413 5049427 5049380 5049380 5049380 5049392 5049392 5049392 5049392 5049393 5049392 5049412 5049446 5049422 5049446 5049455 5049473 5049488 5049473 5049488 5049556 5049516 5049526 5049526	128 241 211 179 242 232 252 255 225 204 247 233 224 195 198 226 196 239 240 248 161 161 161 161 199 190 193 199 172 197 172 162	116 256 257 284 266 280 265 257 234 237 242 193 195 238 206 217 195 238 191 195 193 184 163 181 179 191 165 214 188 191 186 163 167	109 246 222 220 227 230 227 259 214 214 224 248 243 260 188 214 251 228 209 259 218 162 179 215 213 201 182 188 208 188 208 188 184 184 184	106 233 222 249 270 267 236 312 231 243 245 271 223 193 209 207 224 230 226 251 163 215 211 221 196 163 200 196	124 304 204 204 249 261 277 234 240 249 241 227 249 241 228 195 225 218 229 253 218 229 253 218 229 253 163 163 169 207 215 198 166 196 196 190 188 188	116.6 256 215.2 217.2 249 266.8 250.4 279.6 233.8 233.6 244.6 245 235.4 192.8 208.2 230 216.6 229.6 166.6 178.6 192.4 205.4 195.2 173.6 192.6 186 192.6 186 192.6 192.6 193.6 192.7 193.6 192.6 186 155.2 179.8
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468609	5049565	180	193	165	153	191	176.4
468625	5049575	188	181	182	208	213	194.4
468642	5049587	215	216	216	228	175	210
468661	5049592	198	223	211	217	188	207.4
468683	5049591	203	207	177	163	180	186
468702	5049592	182	225	159	223	193	204.4
468721	5049602	173	209	194	195	203	195
468735	5049618	227	243	215	206	209	220
468745	5049640	197	184	208	196	227	202.4
468754	5049664	201	199	207	221	235	212.6
468775	5049681	241	219	219	172	194	209
468798	5049698	224	194	197	207	173	199
468818	5049710	181	179	221	200	184	193
468840	5049713	219	204	185	197	189	198.8
468850	5049714	198	202	174	170	196	188
468831	5049708	201	205	196	197	201	200
468863	5049716	219	243	264	261	209	239.2
		232	197	242	249	259	235.8
468874	5049728			242	221	212	230.2
468883	5049744	242	236				
468886	5049762	220	241	222	217	245	229
468886	5049777	218	223	236	245	263	237
468887	5049798	302	233	261	226	233	251
468892	5049820	233	252	238	259	231	242.6
468951	5049944	196	173	174	194	193	186
468936	5049907	221	214	234	22B	224	224.2
468899	5049835	254	247	265	228	241	247
468905	5049848	205	217	237	245	232	227.2
468913	5049861	195	218	195	192	197	199.4
468922	5049876	193	231	215	233	214	217.2
468932	5049896	223	230	228	216	218	223
468936	5049902	199	250	230	249	216	230.8
						229	
468936	5049915	216	227 213	225 234	205 206	193	220.4 211.2
468939	5049919						
468944	5049930	195	196	214	171	191	193.4
468962	5049954	161	192	219	182	188	188.4
468973	5049963	200	218	214	203	233	213.6
468985	5049979	196	214	226	209	197	208.4
468995	5050002	205	207	161	194	180	189.4
469003	5050018	182	186	185	171	188	182.4
469093	5050210	190	189	190	170	197	187.2
469011	5050041	193	176	180	165	172	177.2
469021	5050064	181	156	148	173	157	163
469036	5050084	172	163	147	176	197	171
469048	5050105	203	222	189	191	217	204.4
	5050124	195	208	174	200	172	189.8
469061					186	202	189.6
469072	5050146	212	172	176			
469081	5050170	204	237	249	259	268	243.4
469088	5050191	275	289	270	195	212	248.2
469098	5050231	204	207	246	225	288	234
469109	5050248	258	266	262	249	271	261.2
469133	5050259	288	261	263	238	226	255.2
469152	5050265	233	215	227	236	229	228
469163	5050281	227	193	198	246	199	212.6
469179	5050300	220	201	239	279	292	245.2
469193	5050319	247	225	208	210	224	222.8
469209	5050340	238	212	219	199	180	209.6
469429	5050563	127	124	153	107	111	124.4
469224	5050354	215	192	184	183	194	193.6
469232	5050369	173	202	185	197	201	191.6
	5050374	172	158	162	182	182	171.2
469236 469243	5050382	193	240	191	201	216	208.2
							_
469251	5050389	204	178	189	202	225	199.6
469258	5050395	258	251	236	202	196	228.6
469269	5050402	175	194	194	171	164	179.6
469283	5050411	151	220	168	158	136	166.6
469301	5050420	170	119	192	224	207	182.4
469320	5050431	187	171	184	201	157	180
469341	5050451	164	182	144	163	148	160.2
469355	5050471	163	164	166	181.	148	164.4
469370	5050491	181	160	185	180	142	169.6
469384	5050505	134	132	129	163	144	140
469393	5050512	154	164	164	125	160	153.6
469399	5050517	152	146	152	147	145	148.4
						141	
469408	5050527	157	182	165	151		159.2
469419	5050543	141	145	128	145	143	140.4
469437	5050587	143	120	139	148	138	137.6
469445	5050609	137	155	123	181	175	154.2
	5050634	155	154	182	182	173	169.2
469448	5050653	174	154	166	161	156	162.2
469448 469453			140	172	182	184	169.4
	5050654	1,69	740				
469453 469459	5050654 5050646	169	177	159	185	199	183
469453 469459 469478	5050646	194	177	_		199 162	183 151
469453 469459				159 124 173	185 175 166		

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469556	5050672	151	127	155	149	134	143.2
469586	5050687	127	89	140	155	152	132.6
469611	5050707	129	156	115	138	161	139.8
469639	5050715	155	145	154	167	117	147.6
469668	5050719	128	132	134	145	134	134.6
469690	5050724	137	125	105	142	139	129.6
469715	5050737	155	159	138	146	162	152
469732	5050763	151	171	144	135	156	151.4
469740	5050817	149	167	158	159	178	162.2
		149	160	153	165	171	159.6
469748	5050841						
469761	5050863	187	162	163	181	160	170.6
469773	5050893	160	167	168	181	171	169.4
469783	5050921	191	178	208	193	203	194.6
469790	5050947	202	235	202	170	189	199.6
469798	5050973	187	180	163	150	148	165.6
469822	5050994	156	158	163	15-8	150	157
469842	5051021	154	150	161	173	163	160.2
469854	5051048	160	185	188	169	160	172.4
469860	5051068	162	175	164	143	165	161.8
		137	140	150	139	136	140.4
469873	5051083						
469902	5051093	127	150	164	140	160	148.2
469932	5051102	145	135	146	127	153	141.2
469683	5049269	221	217	237	199	233	221.4
469683	5049269	209	225	224	211	246	223
469683	5049269	229	245	225	172	239	222
469683	5049269	238	237	228	223	240	233.2
469683	5049269	226	205	235	229	204	219.8
469683	5049260	198	239	236	216	207	219.2
469684	5049274	201	231	225	239	236	226.4
					210	192	
469685	5049236	205	215	203			205
469685	5049248	223	179	223	223	1,83	206.2
469685	5049282	212	195	205	210	211	206.6
469685	5049286	203	239	220	216	255	226.6
469685	5049290	197	196	197	175	197	192.4
469685	5049297	199	195	193	195	212	198.8
469686	5049304	215	208	193	209	186	202.2
469687	5049311	174	168	211	231	218	200.4
469689	5049316	215	215	193	194	168	197
469689	5049324	162	158	155	163	144	156.4
	5049332	143	170	194	164	174	169
469689							
469690	5049342	175	168	163	147	157	162
469691	5049351	119	154	138	155	113	135.8
469690	5049361	119	151	185	167	142	152.8
469703	5049192	283	303	252	265	275	275.6
469694	5049208	226	190	172	244	214	209.2
469689	5049223	238	214	246	231	232	232.2
469710	5049458	149	148	198	153	181	165.8
469690	5049371	138	125	155	148	129	139
469693	5049381	169	165	171	169	156	166
		130	146	117	130	156	135,8
469695	5049391	158			150	139	140
469698	5049399		125	128			
469700	5049409	150	188	186	190	183	179.4
469701	5049421	191	180	187	233	248	207.8
469702	5049434	225	231	227	199	227	221.8
469707	5049450	192	179	168	167	190	179.2
469711	5049465	183	197	174	158	127	167.8
469712	5049472	128	139	144	172	143	145.2
469715	5049479	187	173	180	152	184	175.2
469717	5049484	154	181	177	153	160	165
469719	5049491	157	175	187	164	168	170.2
469720	5049497	175	179	166	208	186	182.8
		198	184		151	164	174.8
469723	5049511			177			
469721	5049506	157	149	193	167	171	167.4
469706	5049440	209	161	196	193	177	187.2
469707	5049445	203	205	199	248	206	212.2
469715	5049450	246	254	238	195	148	216.2
469722	5049455	197	207	256	223	262	229
469729	5049459	287	247	258	234	250	255.2
469738	5049461	272	237	252	258	272	258.2
469724	5049520	177	197	211	216	177	195.6
469727	5049526	191	198	177	207	193	193,2
	5049533	189	177	162	149	176	170.6
469729					132	156	152
469731	5049540	154	160	158		••	
469733	5049547	136	123	129	115	143	129.2
469736	5049553	135	144	154	144	139	143.2
469738	5049560	156	157	164	187	197	172.2
	5049569	146	130	148	132	185	148.2
469739		150	170	214	177	169	176
469739 469742	5049574						
469742			140	148	121	115	131.8
469742 469744	5049582	135	140 150	148	121		131.8 165
469742 469744 469746	5049582 5049588	135 135	150	149	182	209	165
469742 469744 469746 469750	5049582 5049588 5049594	135 135 209	150 217	149 207	182 182	209 186	165 200.2
469742 469744 469746 469750 469752	5049582 5049588 5049594 5049602	135 135 209 183	150 217 188	149 207 191	182 182 177	209 185 202	165 200.2 188.2
469742 469744 469746 469750	5049582 5049588 5049594	135 135 209	150 217	149 207	182 182	209 186	165 200.2

469730 469719							
	5049538	172	182	140	183	155	166.4
	5049129	168	184	198	211	228	197.8
469730	5049131	206	173	171	182	172	180.8
469764	5049131	203	203	215	237	201	211.8
						243	210.6
469752	5049131	227	200	167	216	1	
469742	5049132	226	273	248	236	213	239,2
469716	5049127	171	187	168	200	258	196.8
469680	5049107	256	249	243	261	233	248.4
469682	5049108	232	233	252	237	258	242.4
469686	5049111	247	245	237	225	240	238.8
469691	5049114	275	235	229	255	245	247.8
469702	5049119	247	244	246	236	240	242.6
469698	5049119	224	206	253	227	228	227.6
469695	5049116	221	220	200	225	224	218
469710	5049124	160	200	183	185	147	175
469728	5049142	164	162	210	170	152	171.6
469725	5049154	169	198	230	219	182	199.6
469720	5049164	192	165	206	182	184	185.8
		164	183	161	155	169	166.4
469716	5049173						
469710	5049181	182	170	232	222	270	215.2
469726	5049134	196	219	193	209	185	200.6
469733	5049130	216	247	208	182	222	215
469763	5049625	225	173	185	197	203	196.6
469769	5049633	196	157	177	190	202	184,4
469783	5049658	148	137	141	141	151	143.6
469775	5049644	162	176	170	168	179	171
469762	5049618	170	171	199	160	168	173.6
469799	5049693	138	172	171	140	159	156
469806	5049691	164	184	193	164	175	176
	5049686					172	173,8
469799		203	171	165	158		
469799	5049680	180	167	167	189	161	172.8
469799	5049675	180	167	198	194	204	188.6
469797	5049670	180	164	193	199	186	184.4
469792	5049665	183	171	176	174	182	177.2
469810	5049725	222	203	181	221	190	203.4
469807	5049728	176	213	176	204	189	191.6
469807	5049728	197	173	192	217	183	192.4
469798	5049484	261	193	218	212	232	223.2
469745	5049465	282	317	294	294	299	297.2
469753	5049469	279	273	267	291	264	274.8
469761	5049473	300	278	252	235	242	261.4
		234			274	282	257.4
469771	5049478		249	248			
469783	5049481	309	315	287	337	313	312.2
469792	5049484	375	355	342	300	325	339.4
469808	5049481	241	222	187	1R\$	183	203.6
469822	5049478	180	181	169	167	157	170.8
469838	5849473	161	139	173	185	206	172.8
469854	5049471	188	218	217	214	237	214.8
469870	5049469	245	225	285	209	190	230.8
469811	5049720	191	200	209	184	191	195
469812	5049710	112	143	131	135	116	127.4
469812	5049704			109	138	135	125.8
	JU-37/04	174					
	FOADTES	114	133				
469812	5049703	94	96	88	118	128	104.8
469813	5049695	94 113	96 116	88 114	118 136	128 115	104.8 118.8
469813 469811	5049695 5049691	94 113 132	96 116 128	88 114 143	118 136 153	128 115 179	104.8 118.8 147
469813 469811 469812	5049695 5049691 5049124	94 113 132 251	96 116 128 228	88 114 143 232	118 136 153 231	128 115 179 241	104.8 118.8 147 236.6
469813 469811	5049695 5049691 5049124 5049466	94 113 132 251 169	96 116 128 228 215	88 114 143	118 136 153 231 311	128 115 179 241 303	104.8 118.8 147 236.6 254
469813 469811 469812	5049695 5049691 5049124	94 113 132 251	96 116 128 228	88 114 143 232	118 136 153 231	128 115 179 241	104.8 118.8 147 236.6
469813 469811 469812 469882	5049695 5049691 5049124 5049466	94 113 132 251 169	96 116 128 228 215	88 114 143 232 272	118 136 153 231 311	128 115 179 241 303 299 342	104.8 118.8 147 236.6 254
469813 469811 469812 469882 469897	5049695 5049691 5049124 5049466 5049464	94 113 132 251 169 315	96 116 128 228 215 298	88 114 143 232 272 291	118 136 153 231 311 281	128 115 179 241 303 299	104.8 118.8 147 236.6 254 296.8
469813 469811 469812 469882 469897 469910	5049695 5049691 5049124 5049466 5049464 5049471	94 113 132 251 169 315 293	96 116 128 228 215 298 321	88 114 143 232 272 291 298	118 136 153 231 311 281 295	128 115 179 241 303 299 342	104.8 118.8 147 236.6 254 296.8 309.8
469813 469811 469812 469882 469897 469910 469918	5049695 5049691 5049124 5049466 5049464 5049471 5049478 5049488	94 113 132 251 169 315 293 188	96 116 128 228 215 298 321 196	88 114 143 232 272 271 291 298 185	118 136 153 231 311 281 295 181	128 115 179 241 303 299 342 156	104.8 118.8 147 236.6 254 296.8 309.8 181.2
469813 469811 469812 469882 469897 469910 469918 469927	5049695 5049691 5049124 5049466 5049464 5049471 5049478 5049488 5049494	94 113 132 251 169 315 293 188 123	96 116 128 228 225 298 321 196 109	88 114 143 232 272 291 298 185 108	118 136 153 231 311 281 295 181 137	128 115 179 241 303 259 342 156 137	104.8 118.8 147 235.5 254 296.8 309.8 181.2 122.8
469813 469811 469812 469882 469897 469910 469918 469927 469932 469937	5049695 5049695 5049124 5049124 5049466 5049464 5049471 5049488 5049488 5049488	94 113 132 251 169 315 293 188 123 107	96 116 128 228 225 293 321 196 109	88 114 143 232 277 291 298 185 108 144	118 136 153 231 311 281 295 181 137 168	128 115 179 241 303 299 342 156 137 192	104.8 118.8 147 236.6 254 296.8 309.8 181.2 122.6 144
469813 469811 469812 469882 469897 469910 469918 469927 469932 469937 469940	5049695 5049691 5049124 5049466 5049464 5049471 5049478 5049478 5049489 5049494 5049500	94 113 132 251 169 315 293 188 123 107 189	96 116 128 228 215 298 321 196 109 109	88 114 143 232 277 291 298 185 108 144 144	118 136 153 231 331 281 295 181 137 168 163	128 115 179 241 303 299 342 156 137 192 154	104.8 118.8 147 236.6 254 296.8 309.8 181.2 122.6 144 162 130.2
469813 469811 469812 469882 469897 469910 469918 469927 469937 469937 469940 469922	5049695 5049691 5049124 5049466 5049464 5049471 5049478 5049488 5049489 5049500 5049500	94 113 132 251 169 315 293 188 123 107 189 139	96 116 128 228 215 298 321 196 109 109 109	88 114 143 232 272 291 298 185 108 144 144 152 297	118 136 153 231 311 281 295 181 137 168 163 124 316	128 115 179 241 303 299 342 156 137 192 154 93 286	104.8 118.8 147 236.6 254 296.8 309.8 181.2 122.8 144 162 130.2 261.2
469813 469811 469812 469882 469897 469910 469918 469932 469932 469932 469932 469932	5049695 5049695 5049124 5049466 5049464 5059471 5049478 5049488 5049494 5049500 5049506 5049484 5049486	94 113 132 251 169 315 293 188 123 107 189 139 185	96 116 128 228 225 298 321 196 109 109 160 143 222 308	88 114 143 232 272 291 298 185 108 144 144 144 152 297 310	118 136 153 231 311 281 295 181 137 168 163 124 316 303	128 115 179 241 303 299 342 156 137 192 154 93 286	104.8 118.8 147 235.6 254 296.8 309.8 181.2 122.8 144 162 130.2 261.2 298.4
469813 469811 469812 469812 46982 469910 469918 469917 469937 469940 469922 469922 469913 469843	5049695 5049695 5049124 5049466 5049464 5049471 5049478 5049488 5049488 5049500 5049500 5049484 5049500 5049464 5049476	94 113 132 251 169 315 293 188 123 107 189 139 139 141	96 116 128 228 225 298 321 196 109 109 160 143 222 308	88 114 143 232 277 291 298 185 108 144 144 144 152 297 310 156	118 136 153 231 311 281 295 181 137 168 163 124 316 303	128 115 179 241 303 299 342 156 137 192 154 93 286 282	104.8 118.8 147 236.6 254 296.8 309.8 181.2 122.8 144 162 130.2 261.2 298.4 147
469813 469811 469812 469812 46982 469910 469918 469912 469932 469937 469940 469922 469933 469940 469943 469944	5049695 5049695 5049124 5049124 5049466 5049464 5049471 5049478 5049488 5049494 5049500 5049506 504944 5049476 5049006	94 113 132 251 169 315 293 188 123 107 189 139 189 141 184	96 116 128 228 228 215 298 321 196 109 109 109 143 222 308 135	88 114 143 232 277 291 298 185 108 144 144 152 297 310 156	118 136 153 231 311 281 295 181 137 168 163 124 336 303 152	128 115 179 241 303 299 342 156 137 192 154 93 286 282 151	104.8 118.8 147 236.6 254 296.8 309.8 181.2 122.6 144 162 130.2 261.2 298.4 147 168
469813 469811 469812 469882 469887 469910 469918 469927 469937 469940 469922 469933 469940 469913 469943	5049695 5049695 5049124 5049466 5049464 5049471 5049478 5049488 5049488 5049500 5049500 5049484 5049500 5049464 5049476	94 113 132 251 169 315 293 188 123 107 189 139 139 141	96 116 128 228 225 298 321 196 109 109 160 143 222 308	88 114 143 232 277 291 298 185 108 144 144 144 152 297 310 156	118 136 153 231 311 281 295 181 137 168 163 124 316 303	128 115 179 241 303 299 342 156 137 192 154 93 286 282 151 183	104.8 118.8 147 236.6 254 296.8 309.8 181.2 122.8 144 162 130.2 261.2 298.4 147
469813 469812 469812 46982 469897 469910 469918 469927 469932 469937 469940 469922 469913 469943 469843	5049695 5049695 5049124 5049124 5049466 5049464 5049471 5049478 5049488 5049494 5049500 5049506 504944 5049476 5049006	94 113 132 251 169 315 293 188 123 107 189 139 189 141 184	96 116 128 228 228 215 298 321 196 109 109 109 143 222 308 135	88 114 143 232 277 291 298 185 108 144 144 152 297 310 156	118 136 153 231 311 281 295 181 137 168 163 124 336 303 152	128 115 179 241 303 299 342 156 137 192 154 93 286 282 151	104.8 118.8 147 236.6 254 296.8 309.8 181.2 122.6 144 162 130.2 261.2 298.4 147 168
469813 469811 469812 469882 469897 469910 469927 469932 469932 469934 469934 469934 469944 469944 469944 469944	5049695 5049695 5049124 5049466 5049464 5059471 5049478 5049488 5049494 5049506 5049484 5049484 5049465 5049466 504966 5048994	94 113 132 251 169 315 188 123 107 189 139 185 289 141 184 215	96 116 128 228 228 215 298 321 196 109 109 143 222 308 135 165 232	88 114 143 232 272 291 298 185 108 144 144 152 297 310 156 156	118 136 153 231 311 281 295 181 137 168 163 124 316 303 152 152 182	128 115 179 241 303 299 342 156 137 192 154 93 286 282 151 183	104.8 118.8 147 236.6 254 296.8 309.8 181.2 122.6 144 162 130.2 261.2 298.4 147 168 203.8
469813 469811 469812 469882 469897 469918 469918 469932 469932 469932 469940 469940 469940 469848 469848 469848	5049695 5049695 5049124 5049466 5049464 5049471 5049478 5049488 5049494 5049500 5049506 504944 504966 504964 504966 504966 504966 504966 504966 504966 504966 504966 504966	94 113 132 251 169 315 293 188 123 107 189 139 185 289 141 184 215	96 116 128 228 225 298 321 196 109 109 160 143 222 308 135 222 184	88 114 143 232 277 291 298 185 108 144 144 144 152 297 310 156 156 198	118 136 153 231 311 281 285 181 137 168 163 124 316 303 152 152 182 202	128 115 179 241 303 299 342 156 137 192 154 93 286 282 151 183 192 203	104.8 118.8 147 236.6 254 296.8 309.8 181.2 122.8 144 162 230.2 261.2 298.4 147 168 203.8 194.8
469813 469811 469812 469882 469887 469910 469918 469937 469937 469940 469922 469932 469841 469841 469848 4698851	5049695 5049695 5049124 5049124 5049466 5049464 5049471 5049488 5049488 5049494 5049500 5049500 5049500 5049476 5049006 504994 5049071	94 113 132 251 169 315 293 188 123 107 189 139 141 184 215 199 170	96 116 128 228 228 215 298 321 196 109 109 160 143 222 308 135 165 232 124	88 114 143 232 277 291 291 185 108 144 144 1152 297 310 156 156 198 188	118 136 153 231 311 281 311 281 195 181 137 168 163 124 316 303 152 152 182 202	128 115 179 241 303 259 342 156 137 192 154 93 286 282 151 183 192 203	104.8 118.8 147 235.5 254 296.8 309.8 181.2 122.8 144 162 130.2 261.2 258.4 147 168 203.8 194.8
469813 469811 469812 469882 469897 469910 469927 469932 469932 469932 469934 469940 469940 469940 469848 469850 469851 4698844	5049695 5049695 5049124 5049466 5049464 5049478 5049488 5049494 5049506 5049464 5049476 504906 504906 504906 5049071 5049083	94 113 132 251 169 315 188 123 107 188 123 107 189 139 185 289 141 184 215 199 170 164 210	96 116 128 228 228 215 298 321 196 109 109 143 222 308 135 165 232 184 124 224	88 114 143 232 272 291 298 185 108 144 144 152 297 310 156 156 198 186 170 238	118 136 153 231 311 281 281 181 197 168 163 124 316 303 152 152 182 202 134 206 99	128 115 179 241 303 299 342 156 137 192 154 93 286 282 151 183 192 203 160 245	104.8 118.8 147 236.6 254 296.8 309.8 181.2 122.8 144 162 130.2 261.2 298.4 147 168 203.8 194.8 151.6 215.4
469813 469811 469812 469882 469897 469910 469918 469932 469932 469932 469940 469940 469943 469843 469843 469843 469844 469850 469851 469849 469844	\$049695 \$049695 \$049124 \$049466 \$049466 \$049464 \$049478 \$049494 \$049494 \$049500 \$049506 \$049506 \$049464 \$049476 \$04947	94 113 132 251 169 315 293 188 123 107 189 139 185 289 141 184 215 199 170 164 210 134	96 116 128 128 128 228 215 298 321 196 109 109 160 143 222 308 135 165 232 184 124 224 191	88 114 143 232 277 291 298 185 108 144 144 152 297 310 156 158 186 170 238 127 233	118 136 153 231 311 281 285 181 137 168 163 124 316 303 152 152 182 202 134 206 99	128 115 179 241 303 299 342 156 137 192 154 93 286 282 151 183 192 203 160 245	104.8 118.8 147 236.6 254 296.8 309.8 181.2 122.8 144 162 230.2 261.2 298.4 147 168 203.8 194.8 151.6 215.4 149.8 208.4
469813 469811 469812 46982 469897 469910 469918 469937 469937 469937 469940 46992 469913 469843 469841 469845 469851 469851 469851 469851	\$049695 \$049695 \$049124 \$049124 \$049466 \$049464 \$049471 \$049488 \$049484 \$049500 \$04950	94 113 132 132 251 169 315 293 188 123 107 189 139 185 289 141 184 215 199 170 164 210 134	96 116 128 228 228 215 298 321 196 109 109 160 143 222 308 135 165 232 184 124 224 224 224 215 191	88 114 143 232 277 291 291 298 185 108 144 144 152 297 310 155 156 158 188 186 170 238 127 233 259	118 136 153 231 311 281 281 295 181 137 168 163 124 316 303 152 152 152 182 202 134 206 99 221	128 115 179 241 303 299 342 156 137 192 154 93 286 282 151 183 199 203 160 245 245 239 238	104.8 118.8 147 235.6 254 296.8 309.8 181.2 122.8 144 162 130.2 261.2 258.4 147 168 203.8 194.8 151.6 215.4 208.4 208.4 208.4
469813 469811 469812 469812 469910 469918 469912 469937 469940 469922 469922 469940 469843 469841 469848 469848 469851 469849 469851 469849 469849 469849	\$049695 \$049695 \$049124 \$049466 \$049466 \$049471 \$049488 \$049488 \$049494 \$049500 \$049500 \$049500 \$049500 \$049500 \$049500 \$049500 \$049500 \$049500 \$049500 \$049500 \$049500 \$04900 \$0	94 113 132 251 169 315 293 188 123 107 189 139 141 184 215 199 170 164 210 134 231	96 116 128 228 228 215 298 321 196 109 109 160 143 222 308 135 165 232 124 124 224 191 215	88 114 143 232 277 291 295 185 108 144 144 152 297 310 156 156 198 186 170 238 127 233 259	118 136 135 231 311 281 311 281 137 168 124 316 303 152 152 182 202 208	128 115 179 241 303 299 342 156 137 192 286 282 151 183 192 203 160 245 122 239 238 261	104.8 118.8 147 236.6 254 296.8 309.8 181.2 122.6 144 142 152 251.2 258.4 147 168 203.8 194.8 151.6 215.4 149.8 208.4 232.2 231
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Appendix B

Station Locations and uncorrected XRF Results

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

Station	X	Y	Notes	XRF	Υ	Y +/-	Zr	Zr +/-	Nb	Nb +/-	Au	Au +/-	Th	Th +/-
BB-01a	469680	5049268	Rhyolitic outcrop with rusty patches, high pyrite,	Yes	2293	115	1937	90	5085	474	43	23	- 163	211
BB-01b	469680	5049268	rusty outcrop, high pyrite, possible wacke, from same outcrop as BB-01a,		1183	105	1098	66	2098	392	29	26	-69	228
BB-02a	468290	5050159	rhyolitic outcrop, highly altered by silification, pyrite mineralization	Yes	2173	127	1802	93	4806	528	6	24	796	280
BB-02b	468290	5050159	possible wacke sequence from sample outcrop as BB-02a, highly silicified with pyrite	yes	2492	111	1590	68	3609	362	- 17	19	-32	180
BB-03	469761	5050662	unconsolidated clay panned from river, clay was rich in sulfides and grey in colour, black magnetic sand as well as fine quartz were observed in addition to abundant pyrite	yes	-528	70	38	7	1428	261	9	36	474	172
BB-04	469629	5050577	Basalt outcrop, non magnetic, dark grey with blackish and greenish patches, also a magnetic fine grained mafic intrusive in the area which was not sampled	yes	458	48	232	12	1255	194	-6	15	97	133
BB-05	469833	5050593	rusty suboutcrop with quartz flooding, probably highly silificed basalt	no										
BB-06	469858	5050831	Greenish highly silicified basalt with pyrite	yes	1639	57	486	15	6225	303	1	11	567	122
BB-07	469909	5050936	old mine portal, silicified rhyolite with pyrite mineralization	yes	1128	48	426	12	4055	219	7	11	445	101
BB-08a	469931	5050968	light grey silicified rhyolite/basalt mix, high pyrite	yes	1224	49	760	20	5060	247	3	14	391	107
BB-08b*	469931	5050968	Unconsolidated grey clay with sulfides	yes	-528	70	38	7	1428	261	9	36	474	172
BB-09	469844	5051057	contact rhyolite and basalt, rich in sulfides	no										
BB-10	469494	5050618	basalt with pyrite mineralization	yes	269	53	109	8	687	177	36	28	222	127
BB-11	470010	5051072	E-W trending fault in dark grey Basalt showing minor pyrite	yes	-88	63	5	3	370	148	- 13	26	102	103
BB-12	469864	5050761	sluice site	no										

Appendix C Lab Results and Methodology



Minerals Engineering Centre

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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.



Minerals Engineering Centre

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minera's engineering dal ca Teir 902,494,3955 Faor 902,494,3516 Email: meo@dal.ca

Rare Earth Analysis (REE's)

(Ce, Dy, Er, En, Gd, Ho, La, Ln, 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 transferred 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.

REE Results:

					mg	/kg				
Sample	Се	Dy	Er	Eu	Gd	Но	La	Lu	Nd	Pr
ElkExp BB Clay	73	9	<10	4	<10	<10	35	4	61	<10
ElkExp BB Rock	51	3	<10	3	<10	<10	27	2	44	<10
TRM-2 (RE Standard)	29726	231	74	217	441	24	18836	10	8420	2579
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

				mg/kg			
Sample	Sc	Sm	Tb	Th	Tm	Υ	Yb
ElkExp BB Clay	37	10	<10	<100	<10	69	7
ElkExp BB Rock	17	<10	<10	<100	<10	30	4
TRM-2 (RE Standard)	10	1120	58	246	<10	1018	59
Expected Value	NA	900	55	217	NA	959	55
Confidence Level	NA	± 300	± 14.2	± 40	NA	± 40	± 5.24



Minerals Engineering Centre

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21-0ct-11

Elk Exploration Ltd 11 Biver Rd. Terence Bay River, N.S., B3T 1K2 Attention: Lindsay Allen

Re: Analysis on submitted solid samples. Mear total acid digestion, ICP OES finish.

				IEL I	/ka			
Sample	Ac	Al	æs	Ba	Be	Bi	Ca	Cd
BB Clay	< 1	77509	22	210	5.0	<10	24597	3
BB Rock	<1	51021	14	43	1.7	<10	2135	3

				ES	/ku			
Sample	Ce	Co	CI	Cia	Fe	Ga	Ge	In
EE Clav	69	88	79	54	104608	41	<100	<100
BB Bock	60	33	47	41	75848	22	<100	<100

		rg/kg						
Sample	K	La	Li_	Mg	<u>Mn</u>	Mo	Na.	No.
BB Clay	19984	27	53	24128	743	2	1674	40
BB Rock	1542	24	203	40071	1105	2	1068	29

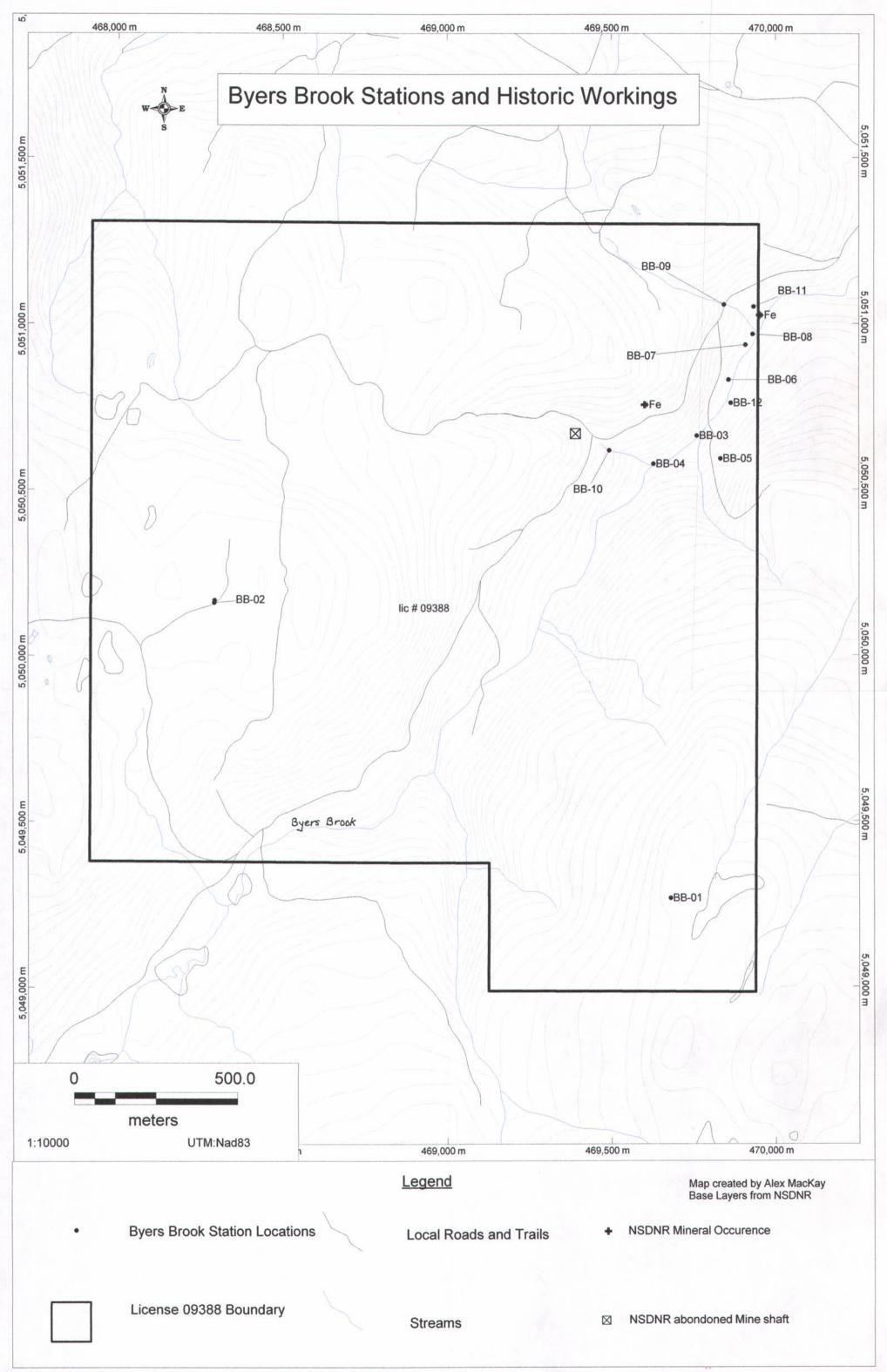
		rg/kg						
Sample	Mi	P	Pb	S	Sb_	Se	Sn	Sr
BE Clay	87	3143	73	106595	<50	<50	<50	29
HR Rock	50	1279	44	46264	<50	< 50	<50	16

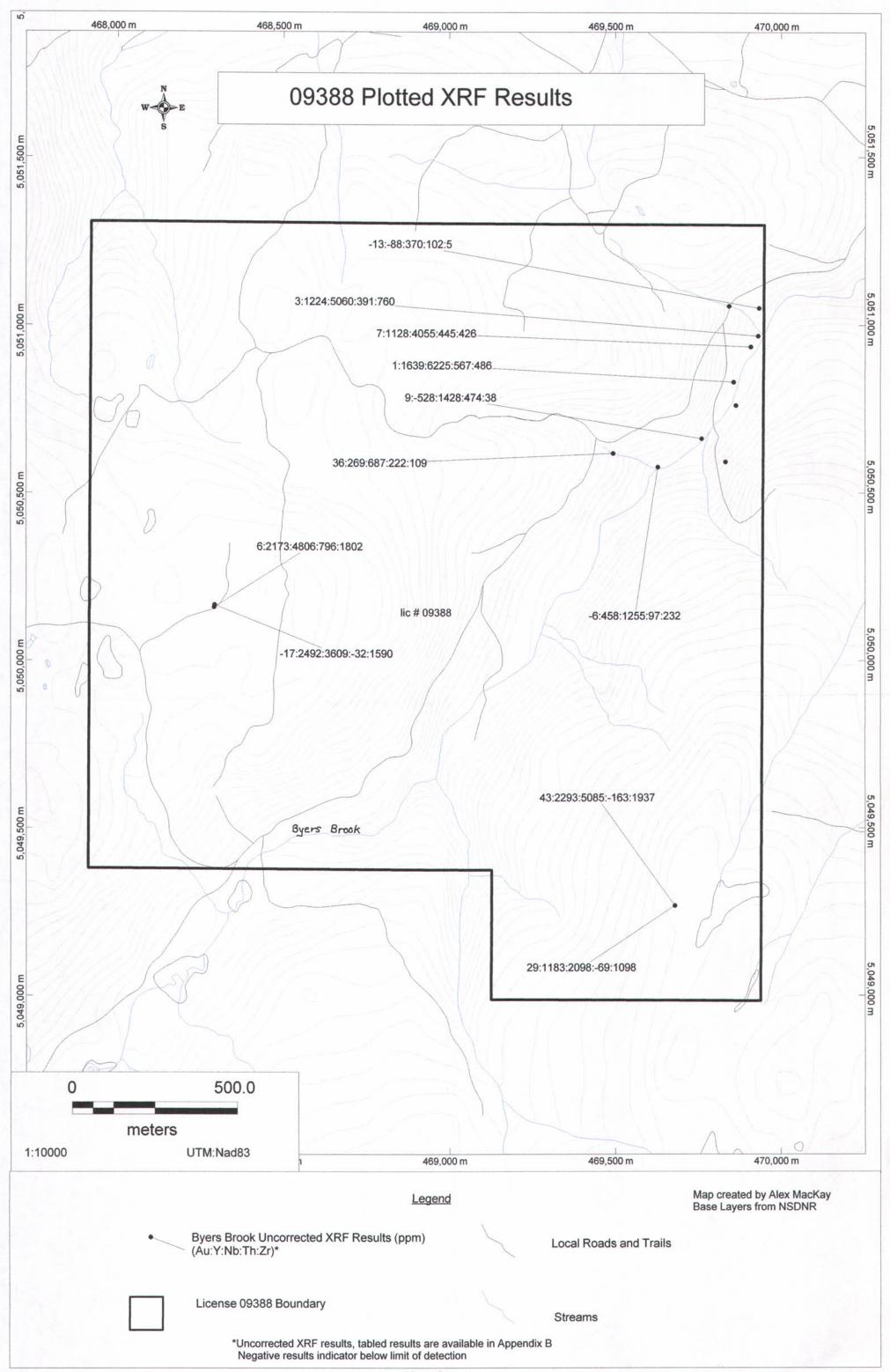
		reg/kg						
Sample	Ta	Te	Ti	Tl	V	Te .	Zn	Zr
BB Clay	<50	<100	17813	<100	146	< 50	264	210
BB Rock	< 50	<1.80	9029	<100	270	<50	150	111

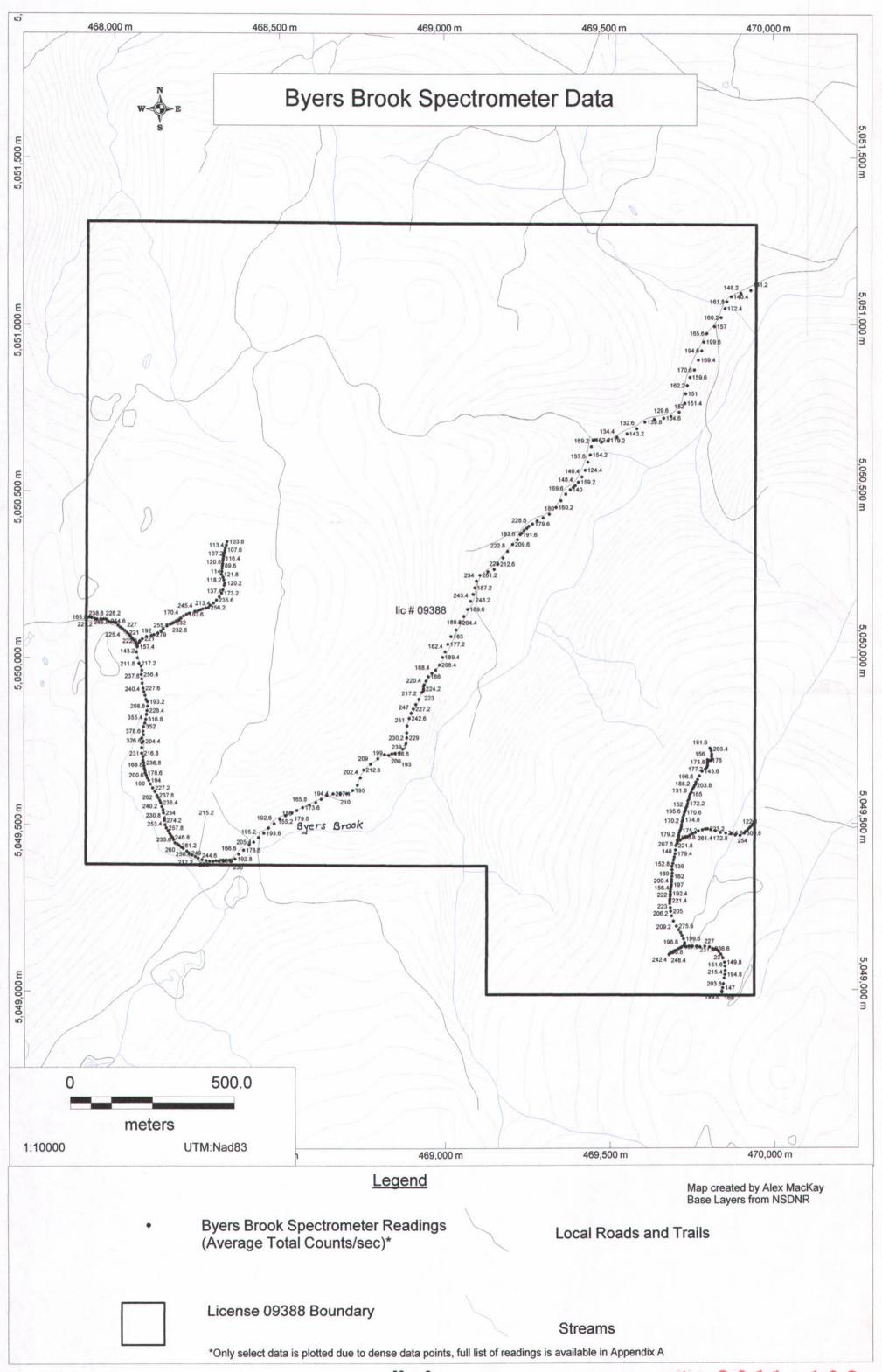
Daniel Chevalier, MASC Manager, Minerals Engineering Centre

Appendix D

Maps







APPENDIX E

XRF Analyzer Specs and Theory





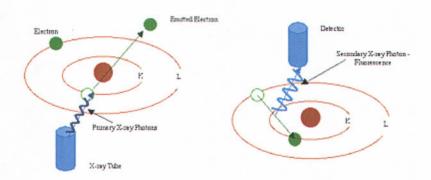
X-Ray Fluorescence (XRF) Spectrometry

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=hcl.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 $K\alpha$ 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.

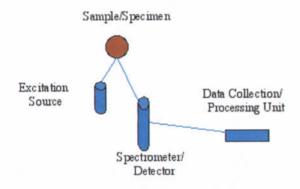
All elemental analysis techniques experience interferences, both chemical and physical in nature, and must be corrected or compensated for in order to achieve adequate analytical results. Most aqueous instrument techniques for elemental analysis suffer from interferences that are corrected for by extensive 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 nostandard 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 $^{\mathsf{TM}}$ color touchscreen
 - o brightens in sunlight easy to read in all environments
- Available with fully integrated camera and X-ray spot collimation
 - o 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, $200\mu A$ (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.



Мар_	IIE	118	
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. 09399

Re: Licence No.	09388	Date of issue	OCT 28	, 2010



	Type of Work		Amount Spent
1.	Prospecting /2MEN > 1.5DAY +700		1050.00
	Geological mapping	days	
	Trenching/stripping/refilling	m² /m³	
XRF	Assaying & whole rock analysis XRF + TECHNICIAN OF SEDITION T SAMPLES	#	102000
	Other laboratory Cot's CRAIN COT ALTO		1025.00
	Grid:	#	700.00
	(a) Line cutting (b) Picket setting	km	<u> </u>
	(c) Flagging	km	
•	Geophysical surveys Airborne:		
	(a) EM/VLF (b) Mag or Grad	km	
	(c) Radiometric	km	
	(d) Combination	km	
	(e) Other	km	
•	Geophysical surveys Ground:		
	(a) EM/VLF	km	
	(b) Seismic soundings (c) Magnetic/telluric	#	
	(d) IP/resistivity	km	
	(e) Gravity Sylvanta Coief.	lem	275.00
	(f) Other BADIONETRICS 250AY SURVEY	km	3171250
	Geochemical surveys (a) Lake, stream, spring		_
	(i) Water (ii) Sediments - 1/2 DAY Stancial of	samples	
	(b) (1) Rack STREAM SEAMONS	samples	350
	(II) Core 2 MEN	samples	
	(iii) Chips (c) (i) Soil	samples	
	(II) Overburden	samples	
	(d) Gas	samples	
	(e) Biogeochemistry (f) Sample collection	samples	
	(g) Other	days	
0.	Drilling:		
	(a) Diamond (# hotes/m)	/m	
	(b) Percussion (# holes/m) (c) Rotary (# holes/m)	/m	
	(d) Auger (# holes/m)	/m	
	(e) Reverse circulation (# holes/m)	/m	
	(f) Logging, supervision, etc. (g) Sealing (# holes)	days	
1. Oth	ner (describe) Fre he men s 3 bars 2 hen 25 = 150	#	
YIL ON	18 126K-(0 50° = 366 174 1014 10 = 60	15000 M	720.00
	13-21 IT:86130 IdWand Subtotal	720	5637.50
Overhe	ad costs 10% OVERHEAD		562.25
2.	Secretarial services	i	00023
3.	Drafting services	<u> </u>	
4.	Office expenses (rent, heat, light, etc.)		
5.	Field supplies		
6.	Compensation paid to landowners		
7.	Legal fees		· · · · · · · · · · · · · · · · · · ·
18.	Other (describe)		· · · · · · · · · · · · · · · · · · ·
	Subtotal		
	Grand total		6,085.75
			1 6000000

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
ALEX MACKAY	PAIRVEW HAYPAX	OCT 15/2011
ALEX DEBAY	19 MARYLYN ET BAKTMOUTH	OET 5, 11/2011
ROB KRIENKE	WASHMILL DR HAUFAX	OCT 6/2011
LINDSAY ALLEN	II RIVER RB TERENCE BAY	OCT 5, 6, 11/2011
		
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hereby certify that the informatinent work credit and that it is the	on in this form is true and correct, that it total of all work conducted on the licence	has not before been submitted for asses
As AGENT	$\boldsymbol{\vdash}$	authorized to make this certification.

ent work credit and that it is the total of all work con	ne and correct, that it has not before been submitted for assess- nducted on the licence during the past licensed year.
AGENT	I am duly authorized to make this certification.
(position in company or licensee)	ACC 0100 H
a mare and	e of NS on Oct 28 11.
	ew SACED
2173 Roche	ster Circle OAKVIVE
<i>/</i>	ONTALID
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