

# ASSESSMENT REPORT, 2012 GEOCHEMICAL SAMPLING PROGRAM

## REL PROPERTY

WHITEHORSE MINING DISTRICT, YUKON, CANADA

NTS MAP SHEET: 105J/05, NAD83 ZONE 9

347870 E, 6924441 N (NAD83 zone 9)

### CLAIMS AND OWNER:

Claim Name	Claim Number	Grant Number	Registered Owner
REL	68-80	YE02738-YE02750	Golden Predator Canada Corp. - 100%
REL	82	YE02752	Golden Predator Canada Corp. - 100%
REL	118-138	YE02788-YE02808	Golden Predator Canada Corp. - 100%
REL	173-194	YE02843-YE02864	Golden Predator Canada Corp. - 100%
REL	229-250	YE02899-YE02920	Golden Predator Canada Corp. - 100%
REL	275-294	YE02945-YE02964	Golden Predator Canada Corp. - 100%
REL	309	YE02979	Golden Predator Canada Corp. - 100%
REL	311	YE02981	Golden Predator Canada Corp. - 100%
REL	313	YE02983	Golden Predator Canada Corp. - 100%
REL	315	YE02985	Golden Predator Canada Corp. - 100%
REL	317	YE02987	Golden Predator Canada Corp. - 100%
REL	319	YE02989	Golden Predator Canada Corp. - 100%
REL	321	YE02991	Golden Predator Canada Corp. - 100%
REL	323	YE02993	Golden Predator Canada Corp. - 100%
REL	38	YE02708	Golden Predator Canada Corp. - 100%
REL	89-91	YE02759-YE02761	Golden Predator Canada Corp. - 100%
REL	93	YE02763	Golden Predator Canada Corp. - 100%
REL	95	YE02765	Golden Predator Canada Corp. - 100%
REL	97	YE02767	Golden Predator Canada Corp. - 100%
REL	99	YE02769	Golden Predator Canada Corp. - 100%
REL	101-102	YE02771-YE02772	Golden Predator Canada Corp. - 100%
REL	104	YE02774	Golden Predator Canada Corp. - 100%
REL	106	YE02776	Golden Predator Canada Corp. - 100%
REL	145-146	YE02815-YE02816	Golden Predator Canada Corp. - 100%
REL	148	YE02818	Golden Predator Canada Corp. - 100%
REL	161-163	YE02831-YE02833	Golden Predator Canada Corp. - 100%
REL	165	YE02835-	Golden Predator Canada Corp. - 100%
REL	167	YE02837	Golden Predator Canada Corp. - 100%
REL	169	YE02839	Golden Predator Canada Corp. - 100%
REL	171	YE02841	Golden Predator Canada Corp. - 100%
REL	199	YE02869	Golden Predator Canada Corp. - 100%
REL	201	YE02871	Golden Predator Canada Corp. - 100%
REL	259-260	YE02929-YE02930	Golden Predator Canada Corp. - 100%
REL	262	YE02932	Golden Predator Canada Corp. - 100%
REL	264	YE02934	Golden Predator Canada Corp. - 100%
REL	266	YE02936	Golden Predator Canada Corp. - 100%
REL	268	YE02938	Golden Predator Canada Corp. - 100%
REL	270	YE02940	Golden Predator Canada Corp. - 100%
REL	272	YE02942	Golden Predator Canada Corp. - 100%
REL	274	YE02944	Golden Predator Canada Corp. - 100%

**PERIOD OF WORK: JUNE 27-28 2012**

**OPERATOR: GOLDEN PREDATOR CANADA CORP.**

888 Dunsmuir St.

Vancouver, V6C3K4

January 11<sup>th</sup>, 2013

Prepared by: Gilles Dessureau, M.Sc., P.Geo.

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Silt

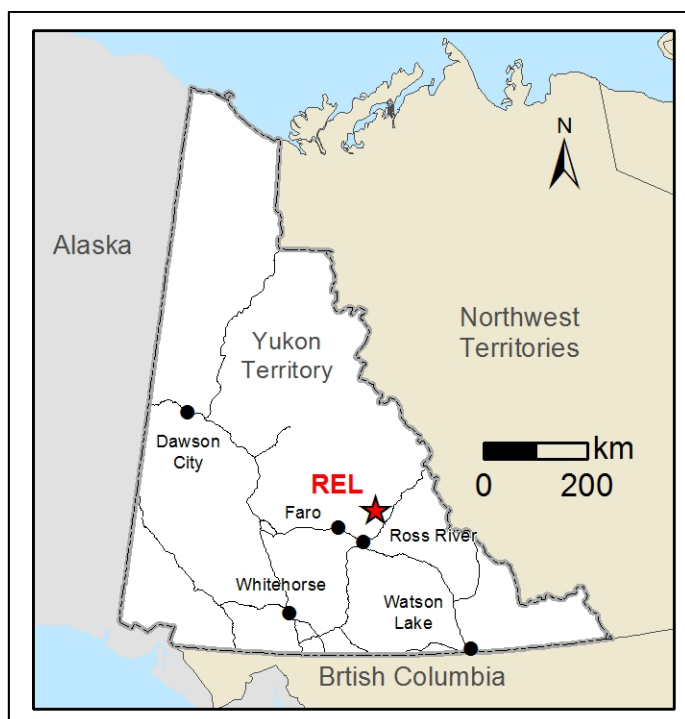
## 1.0 INTRODUCTION

The REL property consists of 108 contiguous mineral claims covering an area of approximately 21.6km<sup>2</sup>, located in the Tay Lake Area, central Yukon. In 2011, Golden Predator Canada Corp. (Golden Predator) staked the claims and owns a 100% unencumbered interest in the property.

This report describes a 2 day field program where 40 stream sediment samples were collected from drainages on the property. Samples were collected under the supervision of Linda Lewis a senior geologist for Golden Predator Canada Corp who.

## 2.0 PROPERTY LOCATION AND DESCRIPTION

The property is located in the Tay Lake Area, central Yukon. The centre of the property is



located at 347870 E, 6924441 N (NAD83 zone 9) on NTS Mapsheet 105J/05. The nearest settlement is Ross River, which is located approximately 56 km south-southwest of the property along the North Canol Highway (Figure 2-1). It is accessed by 15 minute helicopter trip from Ross River. The property is located in the Whitehorse Mining District, and consists of 108 contiguous mineral claims covering an aggregate area of 21.6 km<sup>2</sup> (Table 2-1, Figure 2-2).

**Figure 2.1.** REL Property Location, Yukon Territory

**Table 2.1.** REL claim information

Claim Name	Claim Number	Grant Number	Registered Owner	Expiry Date
REL	68-80	YE02738-YE02750	Golden Predator Canada Corp. - 100%	7/4/2014
REL	82	YE02752	Golden Predator Canada Corp. - 100%	7/4/2014
REL	118-138	YE02788-YE02808	Golden Predator Canada Corp. - 100%	7/4/2014
REL	173-194	YE02843-YE02864	Golden Predator Canada Corp. - 100%	7/4/2014
REL	229-250	YE02899-YE02920	Golden Predator Canada Corp. - 100%	7/4/2014
REL	275-294	YE02945-YE02964	Golden Predator Canada Corp. - 100%	7/4/2014
REL	309	YE02979	Golden Predator Canada Corp. - 100%	7/4/2014
REL	311	YE02981	Golden Predator Canada Corp. - 100%	7/4/2014
REL	313	YE02983	Golden Predator Canada Corp. - 100%	7/4/2014
REL	315	YE02985	Golden Predator Canada Corp. - 100%	7/4/2014
REL	317	YE02987	Golden Predator Canada Corp. - 100%	7/4/2014
REL	319	YE02989	Golden Predator Canada Corp. - 100%	7/4/2014
REL	321	YE02991	Golden Predator Canada Corp. - 100%	7/4/2014



Figure 2.2. REL Project Claim Map

### **3.0 INFRASTRUCTURE, CLIMATE AND PHYSIOGRAPHY**

The REL Property is located 60 km north-northeast of Ross River, Yukon and lies approximately 14 km west of the North Canol Highway. Ross River is approximately 7 hours driving from Whitehorse and is accessible via airstrip.

The REL Property is located at approximately 64° north latitude and is subject to a subarctic climate with average temperatures ranging from 15 °C (60 °F) in July to -26 °C (-16 °F) in January with temperatures commonly reaching above 30 °C (86 °F) in the summer and below -40 °C (-40 °F) in the winter. Average annual precipitation for Ross River is approximately 325 mm and annual frost free days is approximately 110 days. South facing slopes are generally snow free from early May, with frost leaving the ground by the middle to end of May. North facing slopes are generally free of snow by mid to end of May, with permafrost often remaining year-round. The portion of the property below the tree line is covered with vegetative cover consisting of variable amounts of spruce, poplar, alder and brush, with brush and stunted spruce trees predominating on north facing slopes, higher elevations and in areas of permafrost or poor drainage, while south facing slopes are generally covered by more mature stands of spruce. Above the tree line the terrain consists of outcrop and scree and talus slopes.

### **4.0 EXPLORATION HISTORY**

The REL Property was briefly explored in 1983 by AGIP Canada Ltd., looking for epithermal style gold and silver mineralization. Work consisted of several days of mapping, prospecting, and geochemical sampling. Although bedrock samples did not return significant assays for precious metals, several float samples of silicified and pyritic dacite contained anomalous gold (305 ppb Au, 2.9 ppm Ag and 280 ppm As) (McLaughlin A.D., 1983).

### **5.0 GEOLOGY**

#### **5.1 Regional Geology**

The REL Property is underlain by a thick succession of mid-Cretaceous South Forks Volcanics which unconformably overly sedimentary rocks of the Selwyn Basin. Cretaceous granodiorites and quartz monzonites underlie and also intrude the South Fork volcanics. The volcanics consist of a suite of subaerial calc-alkaline rocks of mid-Cretaceous age. They are divided into a lower sequence of mainly andesite and basalt flows and an upper sequence of dark dacite flows and tuffs (McLaughlan, A.D., 1983).

#### **5.2 Property Geology**

The south fork volcanics are described as: dark brown weathering, locally columnar jointed, massive, densely welded, biotite-quartz-hornblende-feldspar crystal tuff (Gordey, S.P., 1996)

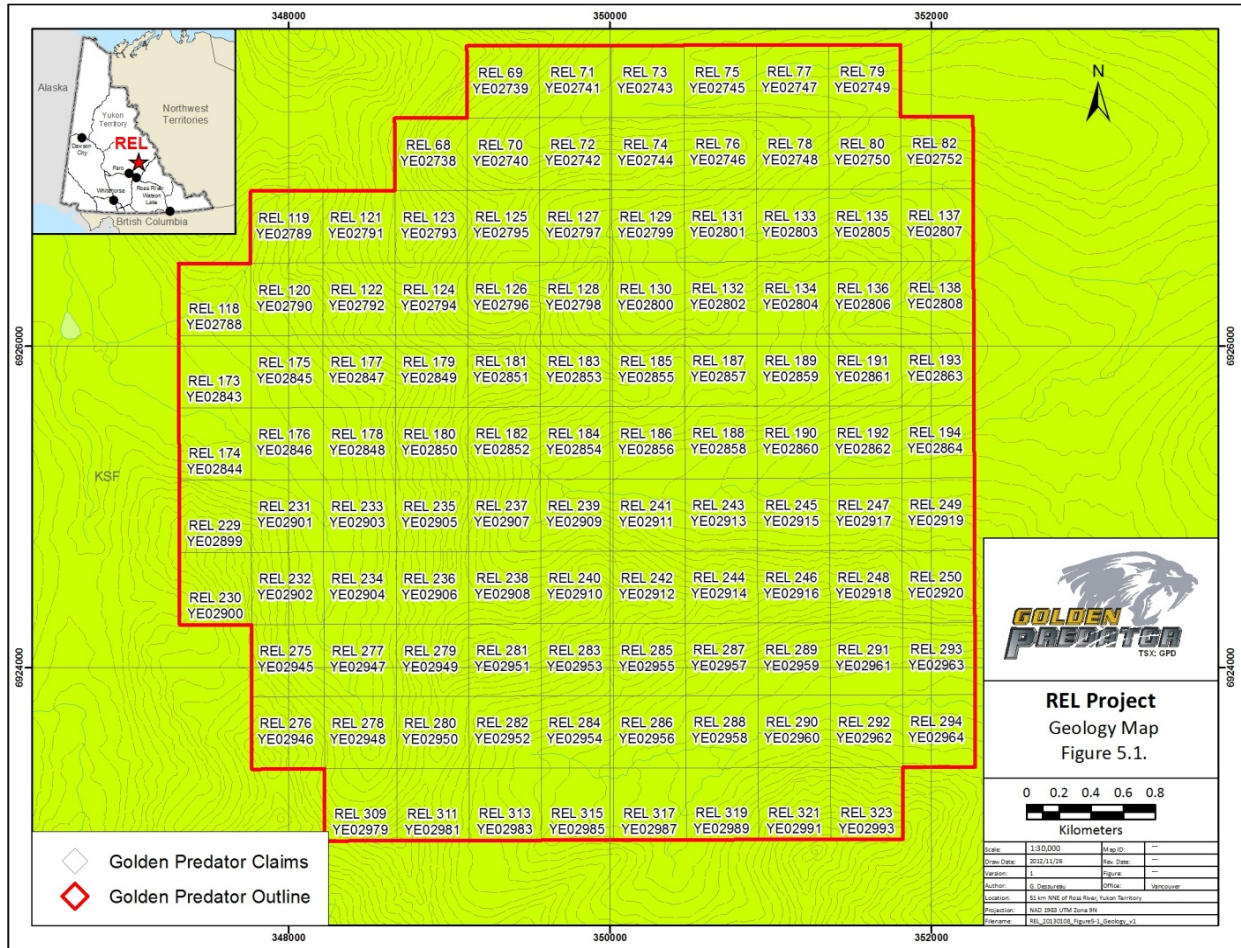


Figure 5.1. Regional Geology of the REL Area (Gordey, S.P., 1996).

## 6.0 EXPLORATION

### 6.1 Exploration Program

A 2 man field crew access the property for 2 days on June 27, and 28, 2012. A total of 40 stream sediment samples were collected at 40 stations. Stations were established along major drainages within the claim block. The field crew accessed the property via helicopter from Ross River and returned to Ross River after collecting the samples. A description of the collection process is discussed below.

### 6.2 Sampling Methodology and Protocols

#### Stream Geochemical Program

Stream sediment samples were collected under the supervision of Linda Lewis along first, second and third order streams, and immediately upstream of confluences.

Each sample was collected from several points along the active stream bed to produce a representative composite sample. The uppermost sediment was discarded to avoid spurious high content of Fe and Mn oxide coating. The active silt and fine to medium sand that has been recently transported by the stream was the target sediment. This type of sediment was generally located: 1) in the lee of large boulders or logs; 2) in low energy pools at the tail-end of bars; and 3) infilling voids below the surface of cobble-gravel bars.

Samples were sieved in the field to a fraction of less than one-eighth inch ( $<1/8''$  or 3.36 mm) and placed in labeled, double layered plastic sample bags. Sample sites were flagged and photographed. The sample weights varied between 4-12 kg. Large sample sizes were required to obtain sufficient fine material for the selected assay techniques.

If the drainage contained seasonal stream sediment deposition, but was currently dry, a sediment sample was collected by dry sieving the material. Occasionally the south-facing slopes had underground drainage that sporadically comes to surface, in which case sample spacing sometimes varied.

Sample data was recorded on data cards and included the following: geographic location, sample color, angularity of the clasts, sediment composition (percentage of gravel, sand, silt, clay and organics), slope direction, slope angle, stream flow, vegetation type and comments. Sample data is summarized in Appendix 3.

Samples were transported by air from the property to Whitehorse via helicopter. Samples were delivered by in-house personnel or insured professional expeditors to ALS Chemex's ISO 9001 certified preparation facility in Whitehorse. Samples were dried and screened to 180 microns (80 mesh).

The pulps were analyzed at ALS Chemex's ISO 9001 certified laboratory in North Vancouver using the ultra-trace ME-MS41 package. A 0.5 g sample is digested by aqua regia techniques and 51 elements are analyzed through a combination of ICP-AES and ICP-MS.

The Au-ST44 method was used to analyze gold using a 50 g sample of  $<80$  micron material. This method provides the lowest possible detection limit for gold of 0.0001 – 0.1 ppm, using aqua regia digestion with analysis by ICP-MS. The larger sample size for the gold analysis is used in an effort to reduce potential nugget effects. Samples exceeding the upper limit of Au detection (0.1 ppm) were re-analyzed using Au-OG44, an ore grade assay technique. A 50 g sample of 180 microns sediment is digested in an aqua regia solution and finished with ICP-MS methods to provide an Au detection range between 0.01 – 100 ppm.

ALS completes quality assurance/ quality control (QA/QC) data verification of their assays through internally inserted duplicates, standards and blanks. In addition, Golden Predator followed a protocol for sample quality control and quality assurance throughout the regional exploration program. The QA/QC program involved the regular insertion of field duplicates, blanks and standard reference material into each stream sediment batch.

### 6.3 Results

Results from the 2012 stream sediment sampling program did not identify any significant gold values on the claim group with a highest value 0.0068 ppm Au and an average value of 0.001 ppm Au). (Figure 6.1 and Appendix 5).

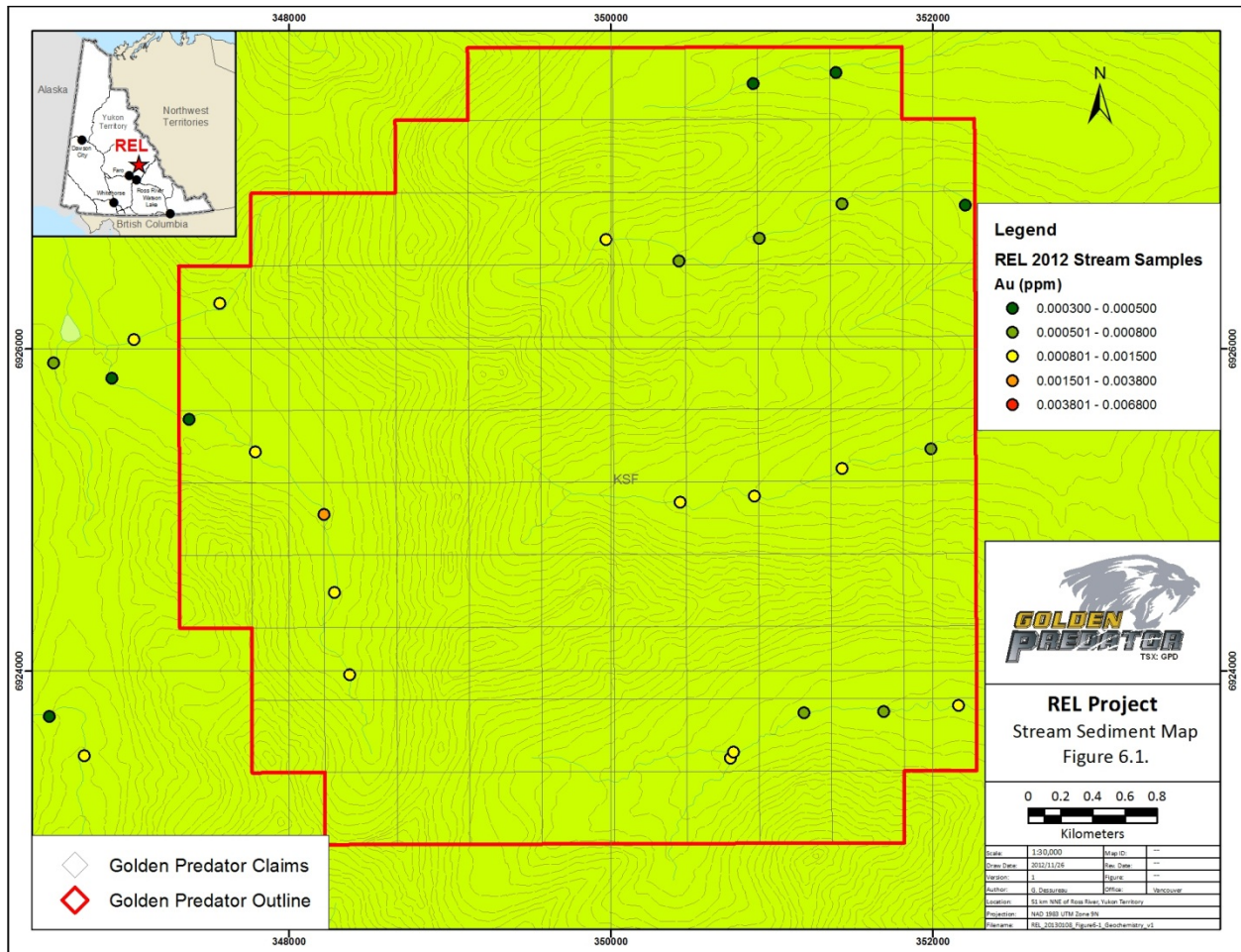


Figure 6.1. Regional Geology of the Werg area showing Au in <sup>silt</sup> results.

## 7.0 CONCLUSIONS AND RECOMMENDATIONS

The REL property consists of 108 contiguous mineral claims covering an area of approximately 21.6km<sup>2</sup>, located in the Tay Lake Area, central Yukon. Golden Predator explored the property for epithermal gold deposits.

The 2012 stream sediment program consisted of 40 stream sediment samples collected on several major drainages on the property. The program did not identify any significant precious metals within the sampled area.

No further work is recommending for the REL property.

## 8.0 2012 EXPENDITURES


Expenditures for the 2012 exploration program were \$21,519.60 as summarized in Table 8-1.

**Table 8-1. 2012 Expenditures**

Expenditure June 25 - July 4, 2012	Units	Unit Cost	Per	Cost
<b>Golden Predator Corp.</b>	40	\$537.99	sample \$	21,519.60
for detail breakdown, see below				
<b>DETAIL COST BREAKDOWN</b>				
Expenditure June 25 - July 4, 2012	Units	Unit Cost	Per	Cost
<b>Wages</b>				
Golden Predator				
June 25 - Program planning	1	\$ 500.00	day \$	500.00
June 26 - Prep field gear, travel to Faro	1	\$ 550.00	day \$	550.00
June 27 - Field	1	\$ 550.00	day \$	550.00
June 28 - Field	1	\$ 550.00	day \$	550.00
June 30 - Travel Faro to Whitehorse	1	\$ 550.00	day \$	550.00
July 3 - Data entry, sample sort	1	\$ 500.00	day \$	500.00
July 5 - Samples to lab, Certificate of Work	1	\$ 500.00	day \$	500.00
Report Writing	4	\$ 500.00	day \$	2,000.00
<b>Wages</b>				
Contractor - Rafe Exploration Inc.				
June 27 - Field	3	\$ 450.00	day \$	1,350.00
June 28 - Field	3	\$ 450.00	day \$	1,350.00
<b>Transportation</b>				
Trans North Jet Ranger - June 27, 28	6.1	\$ 990.00	hour \$	6,039.00
Fuel from Ross River Base	834	\$ 1.40	litre \$	1,167.60
<b>Food &amp; Accommodation in Faro</b>	8	\$ 100.00	person/day \$	800.00
<b>Consumables</b>				
Field supplies - sample bags, safety equip, etc		\$ 75.00	\$	75.00
Communications - rental				
4 handheld radios	4	\$ 28.75	week \$	115.00
4 satellite phones	4	\$ 75.00	week \$	300.00
<b>Golden Predator Travel Costs in Yukon</b>				
Meals (2 days x 1 person x \$65/day)	2	\$ 65.00	day \$	130.00
Truck rental (1 truck x 4 days x \$100/day)	4	\$ 100.00	day \$	400.00
Truck fuel (Whitehorse, Faro, Carmacks)		\$ 233.00	\$	233.00
<b>Rafex Exploration Travel Costs in Yukon</b>				
June 26 - day travel rate for crew	1	\$ 450.00	day \$	450.00
June 29 - day travel rate for crew	1	\$ 450.00	day \$	450.00

Truck rental (4 days x \$120/day)	4	\$	120.00	day	\$	480.00
Truck fuel 0.60/km	1200	\$	0.60	km	\$	720.00
<b>Analytical</b>						
Stream sediment samples	40	\$	40.00	sample	\$	1,600.00
QA/QC samples	4	\$	40.00	sample	\$	160.00
<b>Total</b>					\$	21,519.60

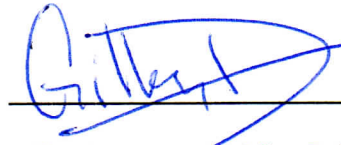
**Total Number of Samples** 40  
**Cost Per Sample** \$ 537.99

Signed,  
  
 Gilles Dessureau, M.Sc., PGeo.  
 Golden Predator Canada Corp.



## 9.0 STATEMENT OF AUTHORSHIP

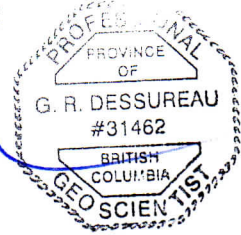
This Report titled "Assessment Report, 2012 Geochemical Sampling Program REL Property, Whitehorse Mining District, Yukon, Canada", and dated January 11<sup>th</sup>, 2013 was prepared and signed by the following author:



Gilles Dessureau, M.Sc., P. Geo.

Dated: January 11<sup>th</sup>, 2013

Vancouver, British Columbia



## **10.0 REFERENCES**

McLaughlan, A.D., 1983. Assessment Report RAGS 1-8 claims Whitehorse Mining District, NTS 105J-05. Prospecting and Geochemical sampling August 15<sup>th</sup>, 1983. Yukon Assessment Report #091484.

Gordey, S.P., 1996. Geology, Sheldon Lake Area, Yukon Territory,. Geological Survey of Canada, Map 19-1987 Sheet 1.

Yukon Minfile 105J 038 FLOOD. Yukon Geological Survey.

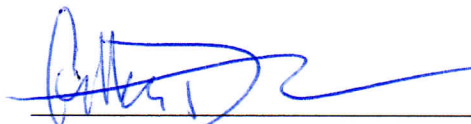
**Appendix 1**  
**Statement of Qualifications**

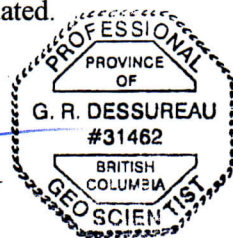
Gilles R. Dessureau, M.Sc., P.Geo  
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E-mail: gillesd@goldenpredator.com

## CERTIFICATE OF AUTHOR

I, Gilles Dessureau of 11<sup>th</sup> Floor, 888 Dunsmuir, Vancouver, British Columbia, certify that:

1. I graduated from St. Mary's University in Halifax, Nova Scotia with a Bachelor of Science with Honors in Geology in 1998 and I graduated from Laurentian University in Sudbury, Ontario with a Masters of Science in Geology in 2003.
2. I have worked in the mineral exploration industry continuously since 2003, in Ontario, Quebec, British Columbia, and The Yukon Territory, Canada, and intermittently since 1996 in Ontario and Nova Scotia during my education and training.
3. I am a registered member of the Association of Profession Engineers and Geoscientists of British Columbia, since August 2007. Membership number 31462.
4. I have been a full time employee of Golden Predator Canada Corp. since December, 2009.
5. I am author of this Report "Assessment Report, 2012 Geochemical Sampling Program REL Property, Whitehorse Mining District, Yukon, Canada" dated January 11<sup>th</sup>, 2013 and
6. I have reviewed the geological data and am not aware of any material facts or change in facts at the time this certification is dated.

  
Gilles R. Dessureau, M.Sc., P.Geo.



Vancouver, British Columbia  
Dated this 20<sup>th</sup> Day of January 11<sup>th</sup>, 2013

**Appendix 2**  
**Analytical Summary**

Sample ID	Sample Code	Program Code	Coords Grid Code	Coords X	Coords Y	Coords Grid Code	Sample By	Sample Date	Au (ppm)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	As (ppm)	Bi (ppm)	Hg (ppm)	Sb (ppm)
AA050401	SSed	2012	UTM83-9	350744.3	6923458.42	UTM83-9	Rafex	27-Jun-12	0.0009	0.063	11.4	11.7	68.8	44.1	0.2	0.062	0.658
AA050402	SSed	2012	UTM83-9	351201.74	6923742.85	UTM83-9	Rafex	27-Jun-12	0.0007	0.055	9.12	11.55	63.4	36.2	0.21	0.059	0.574
AA050403	SSed	2012	UTM83-9	349971.89	6926680.53	UTM83-9	Rafex	27-Jun-12	0.001	0.111	7.68	11.55	71.3	12.7	0.19	0.049	0.381
AA050404	SSed	2012	UTM83-9	350425.69	6926548.25	UTM83-9	Rafex	27-Jun-12	0.0007	0.076	7.34	12.5	78.3	6.92	0.24	0.03	0.251
AA050405	SSed	2012	UTM83-9	350925.41	6926688.61	UTM83-9	Rafex	27-Jun-12	0.0007	0.086	8.55	12.3	76.4	7.13	0.24	0.039	0.323
AA050406	SSed	2012	UTM83-9	351437.97	6926900.97	UTM83-9	Rafex	27-Jun-12	0.0006	0.093	8.06	10.75	73.6	6.17	0.21	0.043	0.333
AA050407	SSed	2012	UTM83-9	352203.24	6926895.39	UTM83-9	Rafex	27-Jun-12	0.0003	0.046	7.39	10.15	74	5.66	0.18	0.043	0.328
AA050408	SSed	2012	UTM83-9	348378	6923977	UTM83-9	Rafex	28-Jun-12	0.0009	0.074	9.01	14.05	70	15.95	0.19	0.045	0.428
AA050409	SSed	2012	UTM83-9	348281	6924488	UTM83-9	Rafex	28-Jun-12	0.0009	0.074	9.12	12.7	63.2	11.35	0.2	0.061	0.379
AA050410	SSed	2012	UTM83-9	348219	6924974	UTM83-9	Rafex	28-Jun-12	0.0038	0.106	10.2	13.8	70.1	14.5	0.22	0.057	0.449
AA050411	SSed	2012	UTM83-9	347792	6925361	UTM83-9	Rafex	28-Jun-12	0.001	0.107	9.49	13.1	69.9	16.7	0.21	0.069	0.509
AA050412	SSed	2012	UTM83-9	347379	6925563	UTM83-9	Rafex	28-Jun-12	0.0005	0.086	7.88	10.85	61.8	13.25	0.16	0.047	0.417
AA050413	SSed	2012	UTM83-9	346900	6925820	UTM83-9	Rafex	28-Jun-12	0.0004	0.085	8.01	11.15	63.4	13.8	0.19	0.06	0.444
AA050414	SSed	2012	UTM83-9	346538	6925914	UTM83-9	Rafex	28-Jun-12	0.0008	0.034	7.58	9.3	72.9	4.86	0.13	0.033	0.305
AA050415	SSed	2012	UTM83-8	650714	6924507	UTM83-8	Rafex	28-Jun-12	0.0068	0.122	14.1	12.3	73.4	6.41	0.2	0.28	0.709
AA050416	SSed	2012	UTM83-8	651042	6924849	UTM83-8	Rafex	28-Jun-12	0.0015	0.085	10.3	10.85	65.6	6.1	0.16	0.463	0.751
AA050417	SSed	2012	UTM83-8	651600	6924881	UTM83-8	Rafex	28-Jun-12	0.0024	0.106	9.84	10.3	62.1	4.33	0.15	0.719	0.643
AA050451	SSed	2012	UTM83-9	350764.2	6923497.35	UTM83-9	Llews	27-Jun-12	0.0015	0.087	9.82	10.65	67.2	25.8	0.2	0.057	0.589
AA050452	SSed	2012	UTM83-9	351696.85	6923750.25	UTM83-9	Llews	27-Jun-12	0.0008	0.061	8.32	10.6	65	30.3	0.18	0.043	0.528
AA050453	SSed	2012	UTM83-9	352161.91	6923785.94	UTM83-9	Llews	27-Jun-12	0.0011	0.067	6.99	10.65	63.5	19.65	0.21	0.055	0.455
AA050454	SSed	2012	UTM83-9	350432.43	6925050.93	UTM83-9	Llews	27-Jun-12	0.0013	0.089	8.34	12.15	74.3	56.9	0.14	0.384	1.41
AA050455	SSed	2012	UTM83-9	350891.94	6925088.47	UTM83-9	Llews	27-Jun-12	0.001	0.084	8.89	11.9	75.4	42.7	0.16	0.266	1.12
AA050456	SSed	2012	UTM83-9	351437.81	6925257.64	UTM83-9	Llews	27-Jun-12	0.0009	0.071	9.79	13.35	80.7	37.7	0.19	0.18	0.965
AA050457	SSed	2012	UTM83-9	351990.1	6925380.66	UTM83-9	Llews	27-Jun-12	0.0007	0.076	8.62	12.6	83.5	28.6	0.2	0.134	0.794
AA050458	SSed	2012	UTM83-9	350884.55	6927649.77	UTM83-9	Llews	27-Jun-12	0.0005	0.048	8.65	10.45	68.5	5.67	0.17	0.051	0.359
AA050459	SSed	2012	UTM83-9	351400.22	6927718.42	UTM83-9	Llews	27-Jun-12	0.0005	0.07	10.15	12.05	78.1	6.25	0.19	0.084	0.549
AA050460	SSed	2012	UTM83-9	347571.52	6926283.56	UTM83-9	Llews	27-Jun-12	0.0009	0.056	10.45	10.5	80.6	6.12	0.13	0.04	0.364
AA050461	SSed	2012	UTM83-9	347037.14	6926058.15	UTM83-9	Llews	27-Jun-12	0.0015	0.089	11	11.05	77.3	7.03	0.17	0.035	0.484
AA050462	SSed	2012	UTM83-8	654732.96	6925452.98	UTM83-8	Llews	28-Jun-12	0.0006	0.039	9.69	9.03	67.8	3.75	0.13	0.048	0.266
AA050463	SSed	2012	UTM83-8	654650.3	6925828	UTM83-8	Llews	28-Jun-12	0.0007	0.054	9.91	8.81	65.5	4.15	0.13	0.051	0.323
AA050464	SSed	2012	UTM83-8	654468.16	6926255.98	UTM83-8	Llews	28-Jun-12	0.001	0.081	9.43	9.66	71.7	5.39	0.13	0.148	0.346
AA050465	SSed	2012	UTM83-8	653882.48	6926383.4	UTM83-8	Llews	28-Jun-12	0.0006	0.083	9.13	9.36	76.4	5.28	0.14	0.18	0.34
AA050466	SSed	2012	UTM83-8	653420.98	6926388.11	UTM83-8	Llews	28-Jun-12	0.0005	0.07	8.28	8.73	77.2	4.45	0.13	0.155	0.314
AA050467	SSed	2012	UTM83-8	653268.11	6926399.6	UTM83-8	Llews	28-Jun-12	0.001	0.054	9.49	9.69	65.7	4.72	0.14	0.05	0.359
AA050468	SSed	2012	UTM83-9	346508.27	6923718.22	UTM83-9	Llews	28-Jun-12	0.0005	0.046	8.76	11.3	73.1	6.4	0.17	2.44	0.311
AA050469	SSed	2012	UTM83-9	346728.43	6923475.27	UTM83-9	Llews	28-Jun-12	0.0009	0.054	8.4	9.13	59.4	4.69	0.13	0.077	0.269
AA050470	SSed	2012	UTM83-8	654386.32	6923763.85	UTM83-8	Llews	28-Jun-12	0.0006	0.064	9.21	14.25	70.8	6.14	0.19	0.934	0.342
AA050471	SSed	2012	UTM83-8	650858.18	6926302.69	UTM83-8	Llews	28-Jun-12	0.0008	0.141	8.93	9.42	67.7	4.85	0.14	0.512	0.476
AA050472	SSed	2012	UTM83-8	651630.85	6926401.23	UTM83-8	Llews	28-Jun-12	0.0006	0.153	9.37	7.06	70.8	8.39	0.11	0.123	0.512
AA050473	SSed	2012	UTM83-8	651769.1	6926860.33	UTM83-8	Llews	28-Jun-12	0.0007	0.138	6.34	5.62	57.2	4.89	0.08	0.127	0.331

**Appendix 3**  
**Assay Certificates**



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: GOLDEN PREDATOR CANADA CORP.  
 C/O PREDATOR MINING GROUP  
 888 DUNSMUIR STREET, 11TH FLOOR  
 VANCOUVER BC V6C 3K4

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 Finalized Date: 29- JUL- 2012  
 Account: GOPRED

**CERTIFICATE WH12154769**

Project: REL Project- Stream Sediment  
 P.O. No.: REL- 2012- NK- 2303  
 This report is for 44 Stream Sediment samples submitted to our lab in Whitehorse,  
 YT, Canada on 4- JUL- 2012.

The following have access to data associated with this certificate:

MIKE BURKE  
 LINDA LEWIS

ANDREW CALDWELL  
 MIKE MASLOWSKI

JACK COTE  
 BILL SHERIFF

**SAMPLE PREPARATION**

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
LOG- 24	Pulp Login - Rcd w/o Barcode
SCR- 41	Screen to - 180um and save both
DRY- 22	Drying - Maximum Temp 60C

**ANALYTICAL PROCEDURES**

ALS CODE	DESCRIPTION	INSTRUMENT
Au- OG43	Ore Grade Au - 25g AR	ICP- MS
Au- ST43	Super Trace Au - 25g AR	ICP- MS
ME- MS41L	51 anal. aqua regia ICPMS	

To: GOLDEN PREDATOR CANADA CORP.  
 ATTN: ANDREW CALDWELL  
 C/O PREDATOR MINING GROUP  
 888 DUNSMUIR STREET, 11TH FLOOR  
 VANCOUVER BC V6C 3K4

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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Project: REL Project- Stream Sediment

**CERTIFICATE OF ANALYSIS WH12154769**

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- ST43 Au ppm	ME- MS41L Au ppm	ME- MS41L Ag ppm	ME- MS41L Al %	ME- MS41L As ppm	ME- MS41L B ppm	ME- MS41L Ba ppm	ME- MS41L Be ppm	ME- MS41L Bi ppm	ME- MS41L Ca %	ME- MS41L Cd ppm	ME- MS41L Ce ppm	ME- MS41L Co ppm	ME- MS41L Cr ppm
		0.02	0.0001	0.0002	0.002	0.01	0.02	10	0.5	0.05	0.01	0.01	0.01	0.02	0.1	0.5
AA050401		4.48	0.0009	0.0024	0.063	2.73	44.1	<10	217	0.84	0.20	0.95	0.20	47.4	8.9	14.2
AA050402		4.39	0.0007	0.0007	0.055	2.67	36.2	<10	237	0.84	0.21	0.94	0.22	47.5	8.1	12.5
AA050403		3.30	0.0010	0.0008	0.111	3.59	12.70	<10	154.0	1.29	0.19	1.48	0.21	57.3	9.4	15.2
AA050404		3.37	0.0007	0.0018	0.076	3.21	6.92	<10	178.0	1.16	0.24	1.14	0.18	62.7	10.4	15.0
AA050405		4.36	0.0007	0.0013	0.086	2.74	7.13	<10	184.0	1.19	0.24	0.88	0.23	68.4	9.8	13.4
AA050406		4.38	0.0006	0.0020	0.093	2.48	6.17	<10	192.0	0.97	0.21	0.77	0.25	49.2	7.9	13.6
AA050407		2.86	0.0003	0.0011	0.046	2.39	5.66	<10	196.5	0.93	0.18	0.71	0.20	63.1	8.5	14.5
AA050408		3.20	0.0009	0.0020	0.074	3.87	15.95	<10	186.5	1.16	0.19	1.64	0.16	58.4	9.9	14.2
AA050409		3.78	0.0009	0.0025	0.074	3.30	11.35	<10	163.0	1.05	0.20	1.40	0.16	52.8	8.9	12.8
AA050410		2.49	0.0038	0.0038	0.106	3.56	14.50	<10	165.0	1.27	0.22	1.42	0.21	58.9	9.8	14.0
AA050411		3.55	0.0010	<0.0002	0.107	3.41	16.70	<10	159.5	1.21	0.21	1.27	0.20	64.8	9.6	13.7
AA050412		4.08	0.0005	0.0006	0.086	2.91	13.25	<10	140.5	1.03	0.16	1.05	0.14	52.7	7.9	12.5
AA050413		3.54	0.0004	0.0012	0.085	2.88	13.80	<10	140.0	1.04	0.19	1.05	0.15	55.2	8.0	12.4
AA050414		3.36	0.0008	0.0012	0.034	2.17	4.86	<10	260	0.78	0.13	0.71	0.23	51.9	9.5	13.4
AA050415		2.29	0.0068	0.0020	0.122	2.67	6.41	<10	276	0.94	0.20	0.88	0.30	57.6	9.3	15.7
AA050416		3.29	0.0015	0.0013	0.085	2.27	6.10	<10	258	0.73	0.16	0.71	0.20	52.8	7.1	13.3
AA050417		2.77	0.0024	0.0021	0.106	2.23	4.33	<10	282	0.72	0.15	0.74	0.29	51.1	6.7	12.6
AA050418		0.11	>0.1000	0.151	0.138	0.18	466	<10	1605	0.16	0.17	1.08	0.33	2.45	2.5	22.7
AA050419		0.11	0.0022	0.0067	0.448	1.16	3.84	<10	89.7	0.23	0.05	0.74	0.22	11.25	9.4	21.2
AA050451		3.91	0.0015	0.0014	0.087	2.94	25.8	<10	298	0.86	0.20	1.00	0.20	56.2	7.8	14.2
AA050452		4.10	0.0008	0.0005	0.061	2.41	30.3	<10	210	0.78	0.18	0.83	0.18	47.3	7.6	11.9
AA050453		5.11	0.0011	0.0012	0.067	2.35	19.65	<10	202	0.72	0.21	0.92	0.14	50.6	7.1	12.1
AA050454		6.11	0.0013	0.0006	0.089	2.89	56.9	<10	149.0	1.20	0.14	1.22	0.15	78.6	10.3	14.1
AA050455		3.89	0.0010	0.0010	0.084	2.75	42.7	<10	174.0	1.03	0.16	0.98	0.18	64.3	9.3	13.3
AA050456		4.25	0.0009	0.0006	0.071	2.78	37.7	<10	216	1.11	0.19	0.94	0.22	58.3	10.0	14.9
AA050457		4.64	0.0007	0.0004	0.076	2.59	28.6	<10	225	0.97	0.20	0.83	0.24	67.8	10.1	15.4
AA050458		4.25	0.0005	<0.0002	0.048	2.45	5.67	<10	226	1.02	0.17	0.74	0.19	66.9	8.7	11.9
AA050459		4.39	0.0005	0.0008	0.070	2.52	6.25	<10	245	1.05	0.19	0.76	0.31	61.4	9.3	12.7
AA050460		4.15	0.0009	0.0009	0.056	2.80	6.12	<10	217	1.05	0.13	0.95	0.24	61.1	8.7	14.7
AA050461		5.46	0.0015	0.0013	0.089	2.84	7.03	<10	214	1.07	0.17	0.98	0.21	60.3	8.1	14.8
AA050462		4.24	0.0006	0.0009	0.039	2.42	3.75	<10	245	0.73	0.13	0.83	0.20	53.0	7.9	13.0
AA050463		4.20	0.0007	0.0006	0.054	2.44	4.15	<10	250	0.83	0.13	0.76	0.17	43.5	7.3	13.4
AA050464		3.69	0.0010	0.0016	0.081	2.30	5.39	<10	254	0.83	0.13	0.64	0.25	53.1	7.8	13.5
AA050465		4.00	0.0006	0.0002	0.083	2.26	5.28	<10	275	0.85	0.14	0.65	0.32	53.3	7.8	13.3
AA050466		5.04	0.0005	0.0004	0.070	2.06	4.45	<10	245	0.75	0.13	0.60	0.36	48.9	7.5	12.6
AA050467		4.92	0.0010	0.0002	0.054	2.19	4.72	<10	238	0.68	0.14	0.72	0.26	51.7	7.2	13.3
AA050468		3.68	0.0005	0.0016	0.046	2.62	6.40	<10	322	0.95	0.17	0.97	0.21	55.6	9.3	12.6
AA050469		3.60	0.0009	0.0007	0.054	2.03	4.69	<10	215	0.69	0.13	0.61	0.15	33.3	6.6	13.1
AA050470		4.38	0.0006	0.0002	0.064	2.00	6.14	<10	249	0.91	0.19	0.63	0.21	65.4	8.8	12.4
AA050471		4.64	0.0008	0.0005	0.141	1.85	4.85	<10	285	0.62	0.14	0.51	0.16	41.6	5.3	11.4



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 Account: GOPRED

Project: REL Project- Stream Sediment

**CERTIFICATE OF ANALYSIS WH12154769**

Sample Description	Method Analyte Units LOR	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
		0.05	0.01	0.01	0.05	0.05	0.02	0.005	0.005	0.01	0.2	0.1	0.01	1	0.01	0.01
AA050401		2.94	11.40	3.14	7.94	0.16	0.04	0.062	0.032	0.12	24.4	23.9	0.70	597	0.69	0.08
AA050402		2.88	9.12	2.94	7.81	0.15	0.03	0.059	0.036	0.12	23.4	23.8	0.68	539	0.62	0.08
AA050403		2.09	7.68	3.60	9.71	0.15	0.07	0.049	0.041	0.15	25.8	46.7	0.88	836	0.53	0.09
AA050404		2.36	7.34	4.12	9.35	0.16	0.09	0.030	0.044	0.15	28.1	43.3	1.03	901	0.31	0.07
AA050405		2.59	8.55	3.71	9.23	0.15	0.07	0.039	0.047	0.13	33.8	39.5	0.82	803	0.43	0.06
AA050406		2.11	8.06	3.32	7.67	0.16	0.05	0.043	0.039	0.12	26.3	31.7	0.71	661	0.53	0.05
AA050407		1.67	7.39	3.33	7.45	0.16	0.09	0.043	0.043	0.12	31.3	34.3	0.73	553	0.39	0.05
AA050408		4.87	9.01	3.60	9.86	0.17	0.05	0.045	0.037	0.15	28.3	33.4	0.94	729	0.44	0.10
AA050409		4.17	9.12	3.37	8.80	0.16	0.04	0.061	0.037	0.12	25.1	29.9	0.85	659	0.41	0.08
AA050410		4.70	10.20	3.49	10.15	0.16	0.04	0.057	0.042	0.13	28.7	32.9	0.86	716	0.51	0.08
AA050411		4.47	9.49	3.48	10.20	0.15	0.04	0.069	0.042	0.11	31.2	33.4	0.82	679	0.67	0.08
AA050412		3.58	7.88	3.20	9.06	0.14	0.04	0.047	0.040	0.09	27.7	30.4	0.73	472	0.53	0.07
AA050413		3.60	8.01	3.20	9.07	0.15	0.03	0.060	0.033	0.10	28.5	30.0	0.73	538	0.52	0.07
AA050414		2.91	7.58	3.66	7.55	0.12	0.05	0.033	0.036	0.12	25.5	23.8	0.69	894	0.57	0.03
AA050415		3.06	14.10	3.20	8.80	0.15	0.04	0.280	0.040	0.13	29.8	28.8	0.67	642	0.76	0.07
AA050416		2.07	10.30	2.88	7.29	0.15	0.03	0.463	0.031	0.11	29.6	21.5	0.56	501	0.70	0.06
AA050417		2.10	9.84	2.58	6.99	0.15	0.04	0.719	0.036	0.11	28.8	21.5	0.54	393	0.61	0.06
AA050418		0.37	63.0	3.92	0.81	0.09	0.42	3.31	<0.005	0.06	1.8	2.1	0.02	104	17.55	0.01
AA050419		0.31	22.5	2.03	4.50	0.13	0.31	0.053	0.019	0.08	5.5	7.7	0.51	308	3.49	0.08
AA050451		2.40	9.82	2.90	8.22	0.16	0.04	0.057	0.038	0.13	26.3	23.8	0.70	428	0.60	0.09
AA050452		2.86	8.32	2.92	7.84	0.13	0.03	0.043	0.032	0.10	24.7	23.2	0.62	466	0.79	0.07
AA050453		3.95	6.99	2.85	7.50	0.14	0.04	0.055	0.031	0.09	28.2	24.0	0.62	518	0.74	0.08
AA050454		1.87	8.34	3.95	9.67	0.16	0.12	0.384	0.050	0.14	37.5	38.9	0.87	700	1.31	0.06
AA050455		1.82	8.89	3.81	9.20	0.16	0.06	0.266	0.043	0.12	33.8	37.4	0.83	614	1.14	0.06
AA050456		1.91	9.79	3.74	8.90	0.15	0.07	0.180	0.046	0.14	30.9	38.7	0.82	717	1.20	0.06
AA050457		2.12	8.62	3.80	8.95	0.18	0.06	0.134	0.043	0.14	33.8	35.4	0.85	734	0.97	0.05
AA050458		2.12	8.65	3.36	8.08	0.15	0.06	0.051	0.037	0.12	32.1	30.9	0.71	756	0.40	0.05
AA050459		2.80	10.15	3.46	7.98	0.16	0.06	0.084	0.035	0.15	29.8	29.9	0.69	977	0.57	0.05
AA050460		3.09	10.45	3.45	9.51	0.16	0.11	0.040	0.042	0.13	30.4	44.2	0.87	527	0.43	0.07
AA050461		2.95	11.00	3.33	9.47	0.17	0.10	0.035	0.047	0.13	31.5	40.5	0.85	474	0.49	0.07
AA050462		1.85	9.69	3.16	7.45	0.12	0.06	0.048	0.033	0.12	24.3	23.9	0.74	478	0.41	0.04
AA050463		2.16	9.91	2.94	7.95	0.13	0.02	0.051	0.030	0.09	24.2	21.5	0.63	356	0.78	0.07
AA050464		1.89	9.43	2.92	7.89	0.14	0.03	0.148	0.034	0.08	29.4	22.6	0.61	414	0.91	0.05
AA050465		1.82	9.13	2.93	7.65	0.15	0.03	0.180	0.031	0.09	28.1	24.1	0.60	435	0.76	0.05
AA050466		1.63	8.28	2.84	7.09	0.14	0.02	0.155	0.036	0.08	28.4	22.5	0.54	401	0.69	0.04
AA050467		1.76	9.49	2.76	6.95	0.14	0.03	0.050	0.029	0.08	27.6	23.6	0.57	412	0.66	0.05
AA050468		7.71	8.76	3.82	8.24	0.14	0.05	2.44	0.040	0.18	27.5	25.4	0.83	650	0.42	0.06
AA050469		2.68	8.40	2.54	6.19	0.11	0.02	0.077	0.028	0.07	16.5	19.6	0.51	339	0.56	0.02
AA050470		2.59	9.21	3.47	7.84	0.16	0.03	0.934	0.043	0.12	36.7	21.7	0.59	499	0.65	0.04
AA050471		1.41	8.93	2.27	6.20	0.11	0.05	0.512	0.028	0.07	22.7	16.3	0.35	254	0.88	0.04



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Project: REL Project- Stream Sediment

**CERTIFICATE OF ANALYSIS WH12154769**

Sample Description	ME- MS41L Nb ppm 0.05	ME- MS41L Ni ppm 0.1	ME- MS41L P % 0.001	ME- MS41L Pb ppm 0.01	ME- MS41L Rb ppm 0.1	ME- MS41L Re ppm 0.001	ME- MS41L S % 0.01	ME- MS41L Sb ppm 0.005	ME- MS41L Sc ppm 0.1	ME- MS41L Se ppm 0.1	ME- MS41L Sn ppm 0.2	ME- MS41L Sr ppm 0.2	ME- MS41L Ta ppm 0.01	ME- MS41L Te ppm 0.01	ME- MS41L Th ppm 0.1
AA050401	1.77	7.5	0.066	11.70	11.3	0.001	0.03	0.658	7.6	0.7	1.4	104.0	0.01	0.05	4.6
AA050402	1.74	6.3	0.060	11.55	11.7	0.001	0.03	0.574	7.6	0.5	1.3	103.5	0.01	<0.01	4.7
AA050403	0.92	5.9	0.065	11.55	11.0	0.001	0.03	0.381	11.5	0.9	1.6	209	<0.01	0.02	7.1
AA050404	0.58	4.9	0.061	12.50	11.1	<0.001	0.02	0.251	12.6	0.9	1.8	159.0	<0.01	0.01	8.8
AA050405	0.83	5.4	0.062	12.30	12.6	0.001	0.03	0.323	12.2	1.0	1.6	117.5	<0.01	0.02	8.2
AA050406	0.87	5.7	0.060	10.75	11.3	0.001	0.03	0.333	9.1	0.8	1.4	104.0	<0.01	0.03	5.7
AA050407	0.71	5.8	0.054	10.15	10.8	<0.001	0.02	0.328	10.2	0.9	1.5	91.7	<0.01	0.02	9.8
AA050408	1.25	5.5	0.070	14.05	10.5	0.001	0.03	0.428	10.6	0.7	1.5	229	0.01	0.03	6.9
AA050409	1.72	4.8	0.067	12.70	9.7	<0.001	0.04	0.379	9.0	0.5	1.4	169.0	0.01	0.02	5.2
AA050410	1.63	5.9	0.077	13.80	11.2	0.001	0.04	0.449	10.7	1.3	1.6	162.5	0.01	0.02	5.2
AA050411	1.93	5.8	0.070	13.10	10.5	<0.001	0.04	0.509	10.1	1.6	1.6	142.0	0.01	0.03	4.7
AA050412	1.64	4.7	0.061	10.85	8.7	<0.001	0.04	0.417	8.4	1.2	1.4	119.0	0.01	0.02	4.6
AA050413	1.80	4.8	0.061	11.15	8.9	<0.001	0.04	0.444	8.5	1.3	1.5	117.5	0.01	0.01	4.7
AA050414	1.12	6.0	0.063	9.30	11.4	0.001	0.02	0.305	8.2	0.7	1.2	106.5	<0.01	0.02	6.0
AA050415	1.40	11.1	0.080	12.30	12.7	<0.001	0.03	0.709	8.8	0.7	1.5	113.0	<0.01	0.04	5.7
AA050416	1.50	8.4	0.075	10.85	11.0	<0.001	0.03	0.751	6.8	0.8	1.1	81.0	<0.01	<0.01	5.4
AA050417	1.62	8.1	0.069	10.30	11.2	<0.001	0.04	0.643	6.5	0.7	1.2	85.6	<0.01	0.01	4.3
AA050418	0.08	16.9	0.006	17.15	3.1	0.002	0.16	29.2	0.7	1.6	2.9	33.8	<0.01	0.06	0.8
AA050419	0.16	19.3	0.052	2.31	3.6	<0.001	0.05	0.381	4.6	0.7	0.5	34.5	<0.01	0.02	1.1
AA050451	2.22	7.3	0.068	10.65	12.4	<0.001	0.03	0.589	8.0	1.1	1.4	99.3	0.01	0.01	5.9
AA050452	1.88	6.3	0.061	10.60	10.7	<0.001	0.02	0.528	7.2	1.2	1.4	85.4	0.01	<0.01	5.0
AA050453	1.93	5.8	0.068	10.65	10.6	<0.001	0.03	0.455	7.8	0.9	1.3	87.5	0.01	0.01	5.8
AA050454	0.47	4.7	0.074	12.15	9.7	<0.001	0.06	1.410	12.6	1.4	2.0	142.0	<0.01	<0.01	10.8
AA050455	0.94	5.7	0.074	11.90	10.4	0.001	0.03	1.120	11.1	0.9	1.7	123.0	<0.01	0.02	9.3
AA050456	0.97	7.3	0.059	13.35	11.9	<0.001	0.03	0.965	10.3	1.2	1.6	126.5	<0.01	0.01	7.9
AA050457	0.98	7.2	0.067	12.60	14.1	<0.001	0.03	0.794	10.6	1.2	1.8	115.0	<0.01	<0.01	9.4
AA050458	0.86	5.9	0.066	10.45	11.3	<0.001	0.02	0.359	9.5	0.9	1.4	101.0	<0.01	0.03	8.7
AA050459	1.01	6.8	0.071	12.05	14.9	<0.001	0.03	0.549	9.4	1.3	1.3	82.2	<0.01	0.02	6.2
AA050460	1.26	7.8	0.060	10.50	12.2	<0.001	0.02	0.364	11.3	1.1	1.9	91.9	0.01	0.01	10.3
AA050461	2.02	8.3	0.067	11.05	12.2	<0.001	0.02	0.484	10.7	1.2	1.8	93.6	0.01	0.03	9.0
AA050462	1.17	7.2	0.063	9.03	8.3	0.001	0.02	0.266	7.5	0.6	1.2	115.0	<0.01	0.03	6.5
AA050463	1.32	8.7	0.069	8.81	8.6	<0.001	0.04	0.323	6.3	0.8	1.2	110.5	<0.01	0.02	3.7
AA050464	1.37	8.0	0.065	9.66	9.8	<0.001	0.03	0.346	7.3	1.1	1.3	83.8	<0.01	<0.01	5.5
AA050465	1.33	7.9	0.063	9.36	11.2	<0.001	0.03	0.340	7.2	0.9	1.2	87.4	<0.01	<0.01	5.1
AA050466	1.30	7.6	0.063	8.73	9.9	<0.001	0.03	0.314	6.6	1.2	1.1	72.9	<0.01	0.01	4.6
AA050467	1.51	8.5	0.071	9.69	8.6	<0.001	0.02	0.359	6.5	0.8	1.2	81.1	0.01	0.01	6.0
AA050468	1.47	5.5	0.069	11.30	15.3	<0.001	0.03	0.311	10.3	0.8	1.3	148.5	<0.01	<0.01	6.8
AA050469	1.29	7.9	0.066	9.13	8.5	<0.001	0.03	0.269	4.1	0.7	0.9	56.1	<0.01	0.02	1.7
AA050470	1.48	7.2	0.061	14.25	15.7	<0.001	0.03	0.342	8.6	0.7	1.2	64.6	<0.01	0.01	6.6
AA050471	1.24	8.7	0.068	9.42	12.0	<0.001	0.03	0.476	4.7	0.8	0.9	52.8	<0.01	0.03	3.1

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**CERTIFICATE OF ANALYSIS WH12154769**

Sample Description	Method Analyte Units LOR	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	Au- OG43
		Ti % 0.001	Ti ppm 0.02	U ppm 0.05	V ppm 1	W ppm 0.01	Y ppm 0.05	Zn ppm 0.1	Zr ppm 0.5	Au ppm 0.01
AA050401		0.109	0.11	2.66	51	0.39	15.70	68.8	1.2	
AA050402		0.105	0.11	2.13	47	0.38	14.65	63.4	1.2	
AA050403		0.042	0.07	3.12	55	0.11	21.6	71.3	2.1	
AA050404		0.045	0.08	2.20	62	0.08	21.8	78.3	2.8	
AA050405		0.041	0.07	3.30	55	0.10	24.3	76.4	1.9	
AA050406		0.041	0.08	3.76	51	0.09	19.95	73.6	1.4	
AA050407		0.048	0.06	2.10	50	0.09	17.95	74.0	2.4	
AA050408		0.108	0.10	2.45	59	0.27	20.1	70.0	1.6	
AA050409		0.088	0.08	3.59	55	0.25	18.00	63.2	1.2	
AA050410		0.086	0.10	4.25	57	0.27	22.1	70.1	1.2	
AA050411		0.076	0.08	3.82	60	0.26	22.9	69.9	1.2	
AA050412		0.080	0.06	3.77	57	0.23	19.10	61.8	1.1	
AA050413		0.080	0.07	3.07	57	0.23	20.1	63.4	1.3	
AA050414		0.057	0.08	1.66	52	0.12	17.15	72.9	1.5	
AA050415		0.092	0.11	2.53	56	0.25	18.15	73.4	1.6	
AA050416		0.078	0.09	1.69	50	0.24	15.40	65.6	1.3	
AA050417		0.074	0.07	1.84	43	0.22	16.10	62.1	1.5	0.20
AA050418		0.011	10.05	1.21	10	3.02	2.15	17.1	13.1	
AA050419		0.119	0.06	0.33	48	23.7	7.56	35.0	9.2	
AA050451		0.131	0.10	2.59	49	0.58	17.00	67.2	1.8	
AA050452		0.106	0.07	1.79	49	0.37	13.60	65.0	1.3	
AA050453		0.102	0.07	2.45	47	0.33	16.75	63.5	1.4	
AA050454		0.053	0.10	1.84	60	0.13	22.7	74.3	4.6	
AA050455		0.060	0.08	1.81	61	0.16	19.50	75.4	2.5	
AA050456		0.052	0.10	2.20	58	0.14	19.40	80.7	2.7	
AA050457		0.069	0.09	2.13	61	0.13	19.10	83.5	2.5	
AA050458		0.046	0.06	2.66	49	0.10	19.40	68.5	2.1	
AA050459		0.048	0.09	3.33	50	0.11	20.8	78.1	1.7	
AA050460		0.094	0.07	2.19	58	0.17	20.0	80.6	4.1	
AA050461		0.086	0.07	2.65	56	0.20	20.8	77.3	3.0	
AA050462		0.065	0.07	1.60	49	0.15	13.15	67.8	1.8	
AA050463		0.066	0.06	1.57	52	0.20	14.15	65.5	0.7	
AA050464		0.064	0.07	2.25	50	0.18	15.60	71.7	1.1	
AA050465		0.063	0.06	2.10	49	0.14	16.90	76.4	1.1	
AA050466		0.064	0.05	1.77	49	0.13	15.85	77.2	1.2	
AA050467		0.076	0.06	2.04	48	0.37	14.50	65.7	1.3	
AA050468		0.100	0.10	2.27	55	0.15	17.40	73.1	1.8	
AA050469		0.063	0.06	2.67	46	0.21	10.45	59.4	0.7	
AA050470		0.084	0.09	2.14	55	0.14	17.05	70.8	1.2	
AA050471		0.051	0.06	1.78	43	0.17	12.55	67.7	1.5	



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**CERTIFICATE OF ANALYSIS WH12154769**

Sample Description	Method Analyte Units LOR	WEI- 21	Au- ST43	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L
		Recvd Wt. kg	Au ppm	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm
		0.02	0.0001	0.0002	0.002	0.01	0.02	10	0.5	0.05	0.01	0.01	0.01	0.02	0.1	0.5
AA050472		4.49	0.0006	0.0006	0.153	1.24	8.39	<10	270	0.45	0.11	0.48	0.40	28.8	5.9	10.2
AA050473		4.06	0.0007	<0.0002	0.138	1.17	4.89	<10	237	0.37	0.08	0.45	0.28	26.2	4.3	9.1
AA050474		0.11	0.0723	0.149	0.114	1.27	49.6	<10	109.5	0.25	0.10	1.40	0.34	12.70	7.3	27.7
AA050475		0.11	0.0021	0.0020	0.479	1.21	3.43	<10	90.3	0.23	0.05	0.78	0.24	11.80	9.8	22.2

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**CERTIFICATE OF ANALYSIS WH12154769**

Sample Description	Method Analyte Units LOR	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L
		Cs ppm 0.05	Cu ppm 0.01	Fe % 0.01	Ga ppm 0.05	Ge ppm 0.05	Hf ppm 0.02	Hg ppm 0.005	In ppm 0.005	K % 0.01	La ppm 0.2	Li ppm 0.1	Mg % 0.01	Mn ppm 1	Mo ppm 0.01	Na % 0.01
AA050472		1.15	9.37	2.16	4.15	0.10	0.02	0.123	0.018	0.05	15.2	12.4	0.29	648	1.11	0.03
AA050473		1.03	6.34	1.67	3.74	0.10	0.02	0.127	0.013	0.05	14.9	10.9	0.25	257	0.53	0.04
AA050474		0.46	51.2	2.97	4.72	0.13	0.35	0.386	0.023	0.10	6.2	8.6	0.58	409	10.50	0.09
AA050475		0.34	24.0	2.16	4.64	0.13	0.33	0.046	0.013	0.08	5.6	7.9	0.52	321	3.44	0.08

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**CERTIFICATE OF ANALYSIS WH12154769**

Sample Description	Method Analyte Units LOR	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L
		Nb ppm	Ni ppm	P %	Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm
		0.05	0.1	0.001	0.01	0.1	0.001	0.01	0.005	0.1	0.1	0.2	0.2	0.01	0.01	0.1
AA050472		0.85	10.2	0.100	7.06	8.7	<0.001	0.03	0.512	3.3	0.9	0.6	38.7	<0.01	<0.01	1.9
AA050473		0.75	8.1	0.098	5.62	7.7	<0.001	0.03	0.331	2.9	0.9	0.5	35.4	<0.01	<0.01	1.8
AA050474		0.17	34.5	0.076	3.12	4.7	0.005	0.13	0.940	5.2	1.0	1.9	44.5	<0.01	0.04	1.4
AA050475		0.20	20.2	0.054	2.45	3.7	<0.001	0.06	0.357	4.7	0.4	0.5	36.8	<0.01	0.02	1.2

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**CERTIFICATE OF ANALYSIS WH12154769**

Sample Description	Method Analyte Units LOR	ME- MS41L Ti %	ME- MS41L Ti ppm	ME- MS41L U ppm	ME- MS41L V ppm	ME- MS41L W ppm	ME- MS41L Y ppm	ME- MS41L Zn ppm	ME- MS41L Zr ppm	Au- OG43 Au ppm
		0.001	0.02	0.05	1	0.01	0.05	0.1	0.5	0.01
AA050472		0.043	0.07	1.70	42	0.16	10.40	70.8	0.7	
AA050473		0.040	0.05	1.39	36	0.13	8.49	57.2	0.7	
AA050474		0.114	0.55	0.56	51	0.71	9.14	53.2	9.7	
AA050475		0.128	0.04	0.34	50	25.6	7.80	36.1	9.7	

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**CERTIFICATE OF ANALYSIS WH12154769**

Method	CERTIFICATE COMMENTS
ME- MS41L	Gold determinations by this method are semi- quantitative due to the small sample weight used (0.5g).

**Appendix 4**  
**Analytical Methods and**  
**Detection Limits**

## GEOCHEMICAL PROCEDURE

# ME- MS41

## ULTRA- TRACE LEVEL METHODS USING ICP- MS AND ICP- AES

### SAMPLE DECOMPOSITION

**Aqua Regia Digestion** (GEO-AR01)

### ANALYTICAL METHOD

**Inductively Coupled Plasma-Atomic Emission Spectroscopy** (ICP-AES)

**Inductively Coupled Plasma - Mass Spectrometry** (ICP-MS)

A prepared sample (0.50 g) is digested with aqua regia in a graphite heating block. After cooling, the resulting solution is diluted to with deionized water, mixed and analyzed by inductively coupled plasma-atomic emission spectrometry. Following this analysis, the results are reviewed for high concentrations of bismuth, mercury, molybdenum, ment spectral interferences.

ELEMENT	SYMBOL	UNITS	LOWER LIMIT	UPPER LIMIT
Silver	Ag	ppm	0.01	100
Aluminum	Al	%	0.01	25
Arsenic	As	ppm	0.1	10 000
Gold	Au	ppm	0.2	25
Boron	B	ppm	10	10 000
Barium	Ba	ppm	10	10 000
Beryllium	Be	ppm	0.05	1 000
Bismuth	Bi	ppm	0.01	10 000
Calcium	Ca	%	0.01	25
Cadmium	Cd	ppm	0.01	1 000
Cerium	Ce	ppm	0.02	500
Cobalt	Co	ppm	0.1	10 000
Chromium	Cr	ppm	1	10 000
Cesium	Cs	ppm	0.05	500
Copper	Cu	ppm	0.2	10 000
Iron	Fe	%	0.01	50
Gallium	Ga	ppm	0.05	10 000
Germanium	Ge	ppm	0.05	500
Hafnium	Hf	ppm	0.02	500

# ME- MS41

ELEMENT	SYMBOL	UNITS	LOWER LIMIT	UPPER LIMIT
Mercury	Hg	ppm	0.01	10 000
Indium	In	ppm	0.005	500
Potassium	K	%	0.01	10
Lanthanum	La	ppm	0.2	10 000
Lithium	Li	ppm	0.1	10 000
Magnesium	Mg	%	0.01	25
Manganese	Mn	ppm	5	50 000
Molybdenum	Mo	ppm	0.05	10 000
Sodium	Na	%	0.01	10
Niobium	Nb	ppm	0.05	500
Nickel	Ni	ppm	0.2	10 000
Phosphorus	P	ppm	10	10 000
Lead	Pb	ppm	0.2	10 000
Rubidium	Rb	ppm	0.1	10 000
Rhenium	Re	ppm	0.001	50
Sulphur	S	%	0.01	10
Antimony	Sb	ppm	0.05	10 000
Scandium	Sc	ppm	0.1	10 000
Selenium	Se	ppm	0.2	1 000
Tin	Sn	ppm	0.2	500
Strontium	Sr	ppm	0.2	10 000
Tantalum	Ta	ppm	0.01	500
Tellurium	Te	ppm	0.01	500
Thorium	Th	ppm	0.2	10000
Titanium	Ti	%	0.005	10
Thallium	Tl	ppm	0.02	10 000
Uranium	U	ppm	0.05	10 000
Vanadium	V	ppm	1	10 000
Tungsten	W	ppm	0.05	10 000
Yttrium	Y	ppm	0.05	500
Zinc	Zn	ppm	2	10 000
Zirconium	Zr	ppm	0.5	500

**NOTE:** In the majority of geological matrices, data reported from an aqua regia leach should be considered as representing only the leachable portion of the particular analyte.

**Silt** Appendix 5  
~~Soil~~ Geochemical Plots  
for Select Elements



**Legend**

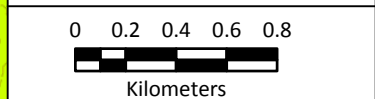
**REL 2012 Stream Samples**

**Au (ppm)**

- 0.000300 - 0.000500
- 0.000501 - 0.000800
- 0.000801 - 0.001500
- 0.001501 - 0.003800
- 0.003801 - 0.006800

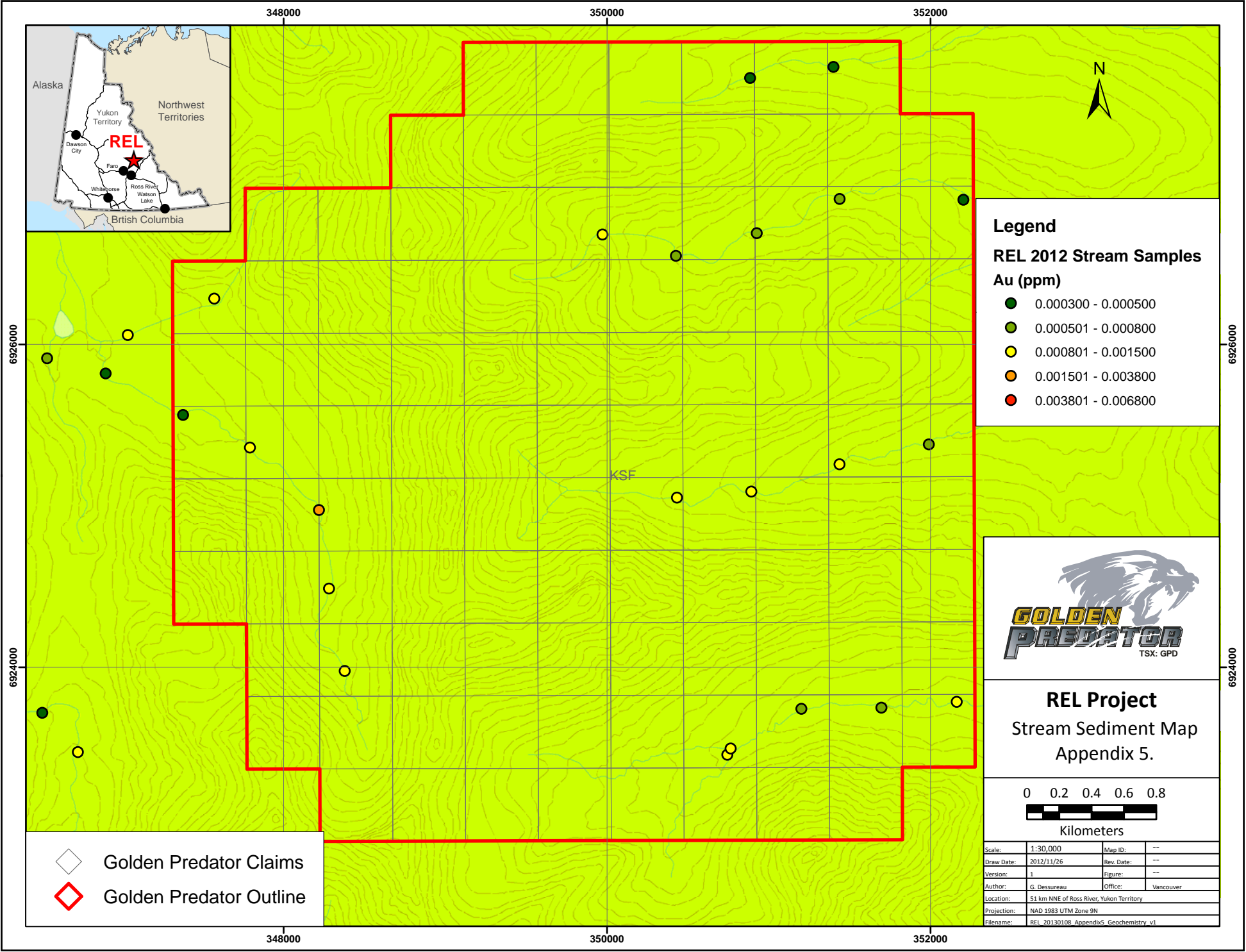


**REL Project**  
 Stream Sediment Map  
 Appendix 5.



Scale:	1:30,000	Map ID:	---
Draw Date:	2012/11/26	Rev. Date:	--
Version:	1	Figure:	--
Author:	G. Desjardins	Office:	Vancouver
Location:	51 km NNE of Ross River, Yukon Territory		
Projection:	NAD 1983 UTM Zone 9N		
Filename:	REL_20130108_Appendix5_Geochemistry_v1		

- ◇ Golden Predator Claims
- ◇ Golden Predator Outline





**Legend**

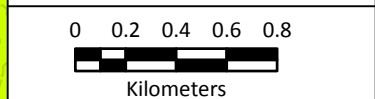
**REL 2012 Stream Samples**

**As (ppm)**

- 3.750000 - 5.390000
- 5.390001 - 8.390000
- 8.390001 - 19.650000
- 19.650001 - 37.700000
- 37.700001 - 56.900000

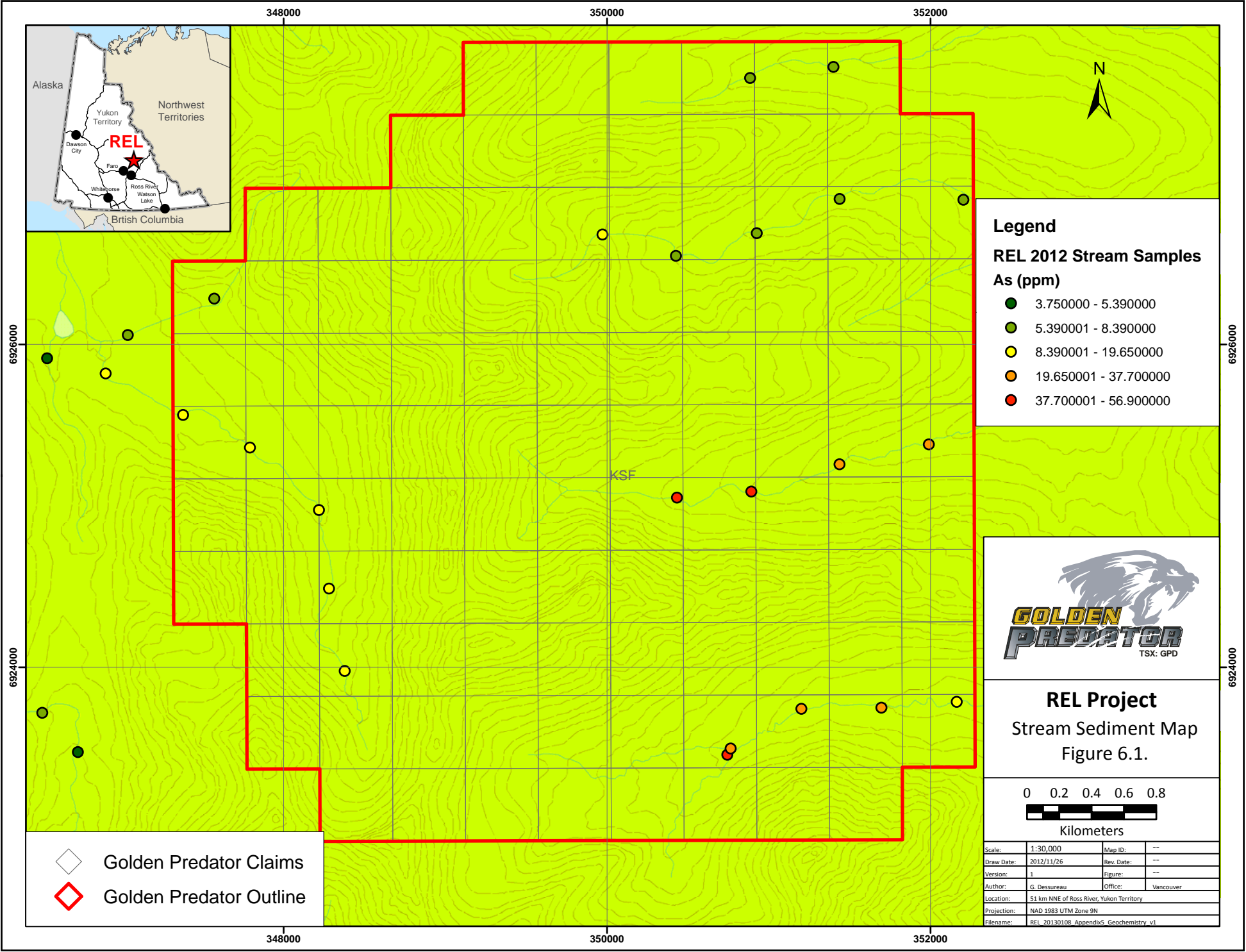


**REL Project**  
Stream Sediment Map  
Figure 6.1.



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Draw Date:	2012/11/26	Rev. Date:	--
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**Legend**

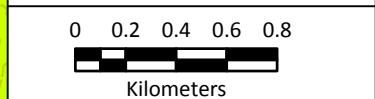
**REL 2012 Stream Samples**

**Ag (ppm)**

- 0.034000 - 0.056000
- 0.056001 - 0.076000
- 0.076001 - 0.093000
- 0.093001 - 0.122000
- 0.122001 - 0.153000

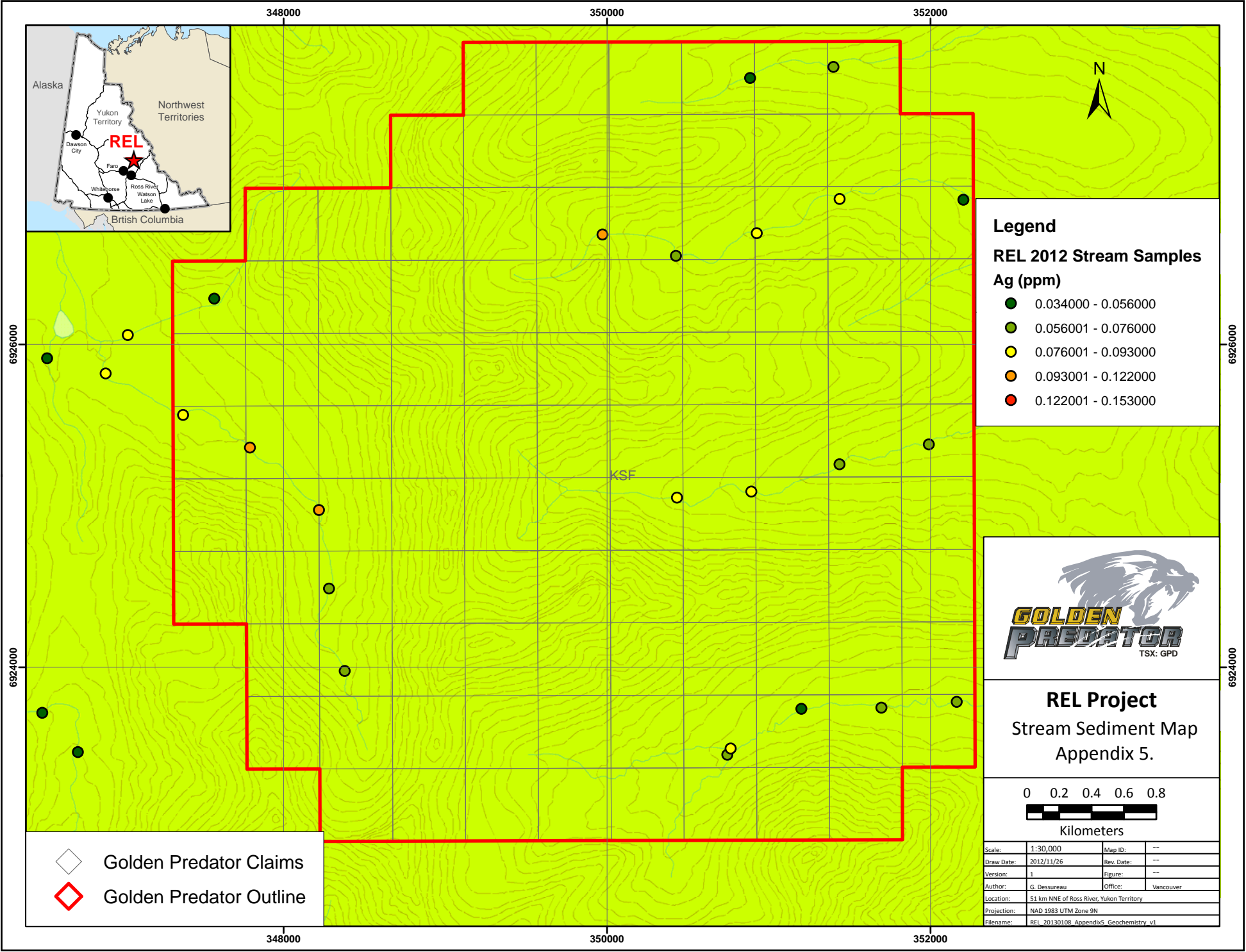


**REL Project**  
Stream Sediment Map  
Appendix 5.



Scale:	1:30,000	Map ID:	---
Draw Date:	2012/11/26	Rev. Date:	---
Version:	1	Figure:	---
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**Legend**

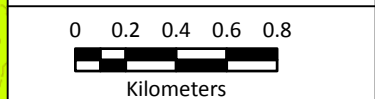
**REL 2012 Stream Samples**

**Sb (ppm)**

- 0.251000 - 0.314000
- 0.314001 - 0.428000
- 0.428001 - 0.589000
- 0.589001 - 0.965000
- 0.965001 - 1.410000

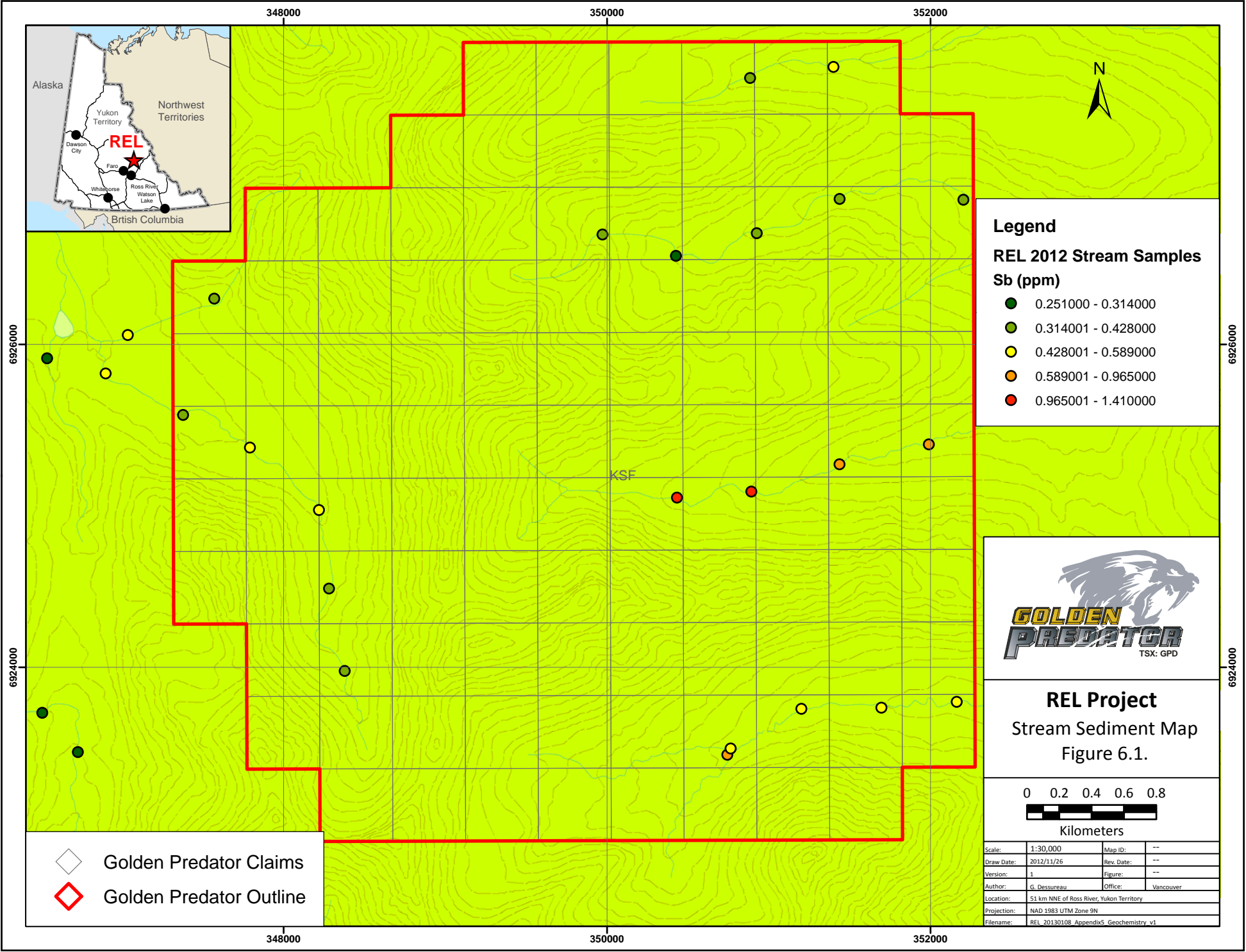


**REL Project**  
Stream Sediment Map  
Figure 6.1.



Scale:	1:30,000	Map ID:	---
Draw Date:	2012/11/26	Rev. Date:	---
Version:	1	Figure:	---
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- Golden Predator Claims
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**Legend**

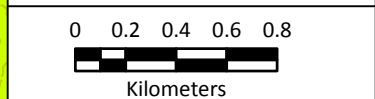
**REL 2012 Stream Samples**

**Bi (ppm)**

- 0.080000 - 0.110000
- 0.110001 - 0.150000
- 0.150001 - 0.180000
- 0.180001 - 0.210000
- 0.210001 - 0.240000

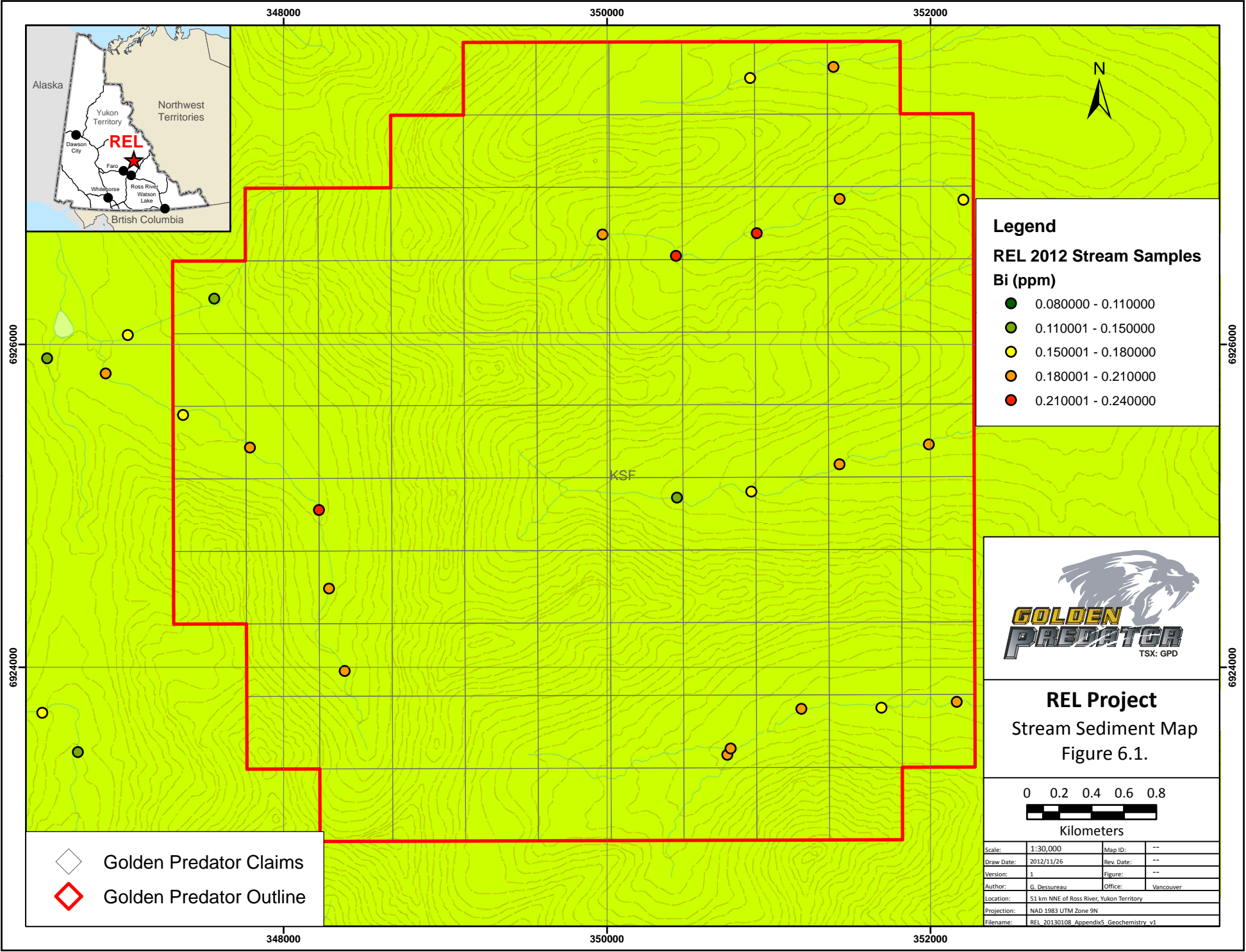


**REL Project**  
Stream Sediment Map  
Figure 6.1.



Scale:	1:30,000	Map ID:	---
Draw Date:	2012/11/26	Rev. Date:	---
Version:	1	Figure:	---
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- Golden Predator Claims
- Golden Predator Outline





**Legend**

**REL 2012 Stream Samples**

**Hg (ppm)**

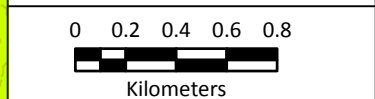
- 0.030000 - 0.084000
- 0.084001 - 0.280000
- 0.280001 - 0.512000
- 0.512001 - 0.934000
- 0.934001 - 2.440000



**REL Project**

Stream Sediment Map

Figure 6.1.



Scale:	1:30,000	Map ID:	---
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