

GEOCHEMICAL ASSESSMENT REPORT

for work performed on the

GLADSTONE PROPERTY

A 1 – 30	YD68503 – YD68532	A 153 – 192	YD68655 – YD68694
A 31 – 32	YD108374 – YD108375	A 193 – 204	YD68595 – YD68606
A 33 – 88	YD68535 – YD68590	A 205 – 240	YD68707 – YD68742
A 89 – 92	YD108376 – YD108379	A 241 – 252	YD68643 – YD68654
A 93 – 104	YD68695 – YD68706	A 253 – 294	YD68755 – YD68796
A 105 – 140	YD68607 – YD68642	A 295 – 404	YD125033 – YD125142
A 141 – 152	YD68743 – YD68754	A 405 – 478	YE51105 – YD51178
i 1 – 286	YF35101 – YF35386		

NTS 115G08, 115G07, 115G01, 115H04

Latitude 61° 19' N, Longitude 138° 26' W

Located in the

Whitehorse Mining District, Yukon Territory

prepared by:

SCOTT BERDAHL

Claims owned by:

18526 Yukon Inc.

Work performed:

JUNE 19 - 23, 2012

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INTRODUCTION

18526 Yukon Inc.'s Gladstone property is located east of Kluane Lake in the Ruby Range mountains of the southwestern Yukon Territory. The property was staked in 2010 and 2011 to cover potential hard-rock sources placer gold in Gladstone, Twelfth of July and surrounding placer creeks of the Ruby Range.

This report describes the June 2012 stream sampling program conducted on the property by 18526 Yukon Inc. One hundred and fifty four stream sediment samples were collected at 500 m intervals along various creeks across the property, in order to get a broad, first-pass look at the area's hard-rock mineral potential. Many samples returned highly anomalous values for gold, up to 1315.5 ppb Au. Concentrations of other elements were generally low. Arsenic and antimony signatures, however, define several targets for follow-up, depending on the assumed model of mineralization.

WORK HISTORY

Placer gold was discovered on Ruby Creek in June of 1903 by Skookum Jim Mason and Dawson Charlie, discoverers of the Klondike gold fields, along with Jim Boss. That summer saw a stampede of over 500 prospectors to the region, with claims staked on Fourth of July, Twelfth of July and surrounding creeks. Gold production soon commenced on these creeks and spread northwest to Gladstone, Cultus, Cyr and Swanson creeks (Gates, 2011).

Sporadic records of placer activity in the Ruby Range exist for much of the twentieth century. A decent overview for Gladstone Creek through to the early 1980s is described by Ostensoe (1984). From 1952 through 1955, 5,770 ounces of gold were recovered from Gladstone Creek, and evidence suggests that returns of over 1,000 ounces per year have been the norm during production since the late 1970s. Gladstone's current placer operator has recovered nearly 50,000 ounces from the creek since 1991. The 2010 Yukon Placer Mining Overview published by the Yukon Government gives figures of 1859 and 1156 ounces of placer gold produced from the Kluane Lake Region in 2009 and 2010, respectively (Lebarge, 2011).

Exploration for the hard rock source of the Ruby Range placer has thus far been sparse, and fairly limited in scope. A sampling program by Big Creek Resources in 1988 reportedly returned a gold-in-soils value of 845 ppb to the south of Gladstone Creek (Yukon MINFILE 115G 104), but this has not been followed up on. Yukon prospector JP Ross worked in the area intermittently from the late 1980s through to his passing in 2008, conducting general prospecting and stream sediment sampling. Most notable was his discovery of gold near Killermun Lake (30 km southeast of Gladstone, immediately northwest of the Cliff), where anomalous to visible gold

is found in quartz-carbonate veins and along recessive-weathering shear structures. Near Gladstone Creek, Ross located quartz vein float which assayed 267.19 g/t Au (Ross, 2005). At the time of writing, both of these occurrences are held by West Point Resources, under option from Rockhaven Resources.

Ross was advised by geologist Craig Hart in the mid 2000s to follow up on a metamorphic gradient crosscutting the Ruby Range (Ross, 2005), which passes through the headwaters of several placer streams and intersects the Killermun occurrence, as a possible gold source. The first detailed mapping of this gradient and the geology of the eastern Kluane Lake area was conducted by YGS geologist Steve Israel in 2010. This mapping was used by 18526 Yukon Inc. as a guide for 2010 and 2011 regional staking.

In 2011, 18526 Yukon Inc. conducted a mountainside contour soil sampling program on a part of the Gladstone property immediately south of Gladstone Creek (Berdahl, 2011). Several coincident gold-arsenic soil anomalies (survey high: 244.9 ppb Au) were noted, as well as a large zone of anomalous antimony values. Follow up of these findings has yet to be performed.

PROPERTY INFORMATION

At the time of the 2012 streams survey, the Gladstone property consisted of 764 quartz claims. All claims are registered with the Whitehorse Mining Recorder in the names of 18526 Yukon Inc. and Ron S. Berdahl. Due to current market conditions, and based on this year's results, 417 claims have not been renewed (Figure 2). Claims A 14 through A 22 were allowed to lapse due to a clerical error, and should be re-staked if future results & resources permit. The 2012 work program was conducted and paid for by 18526 Yukon Inc.. Table 1 on the following page lists claims that will remain active for the upcoming season.

Table 1 - Claim Tenure Information

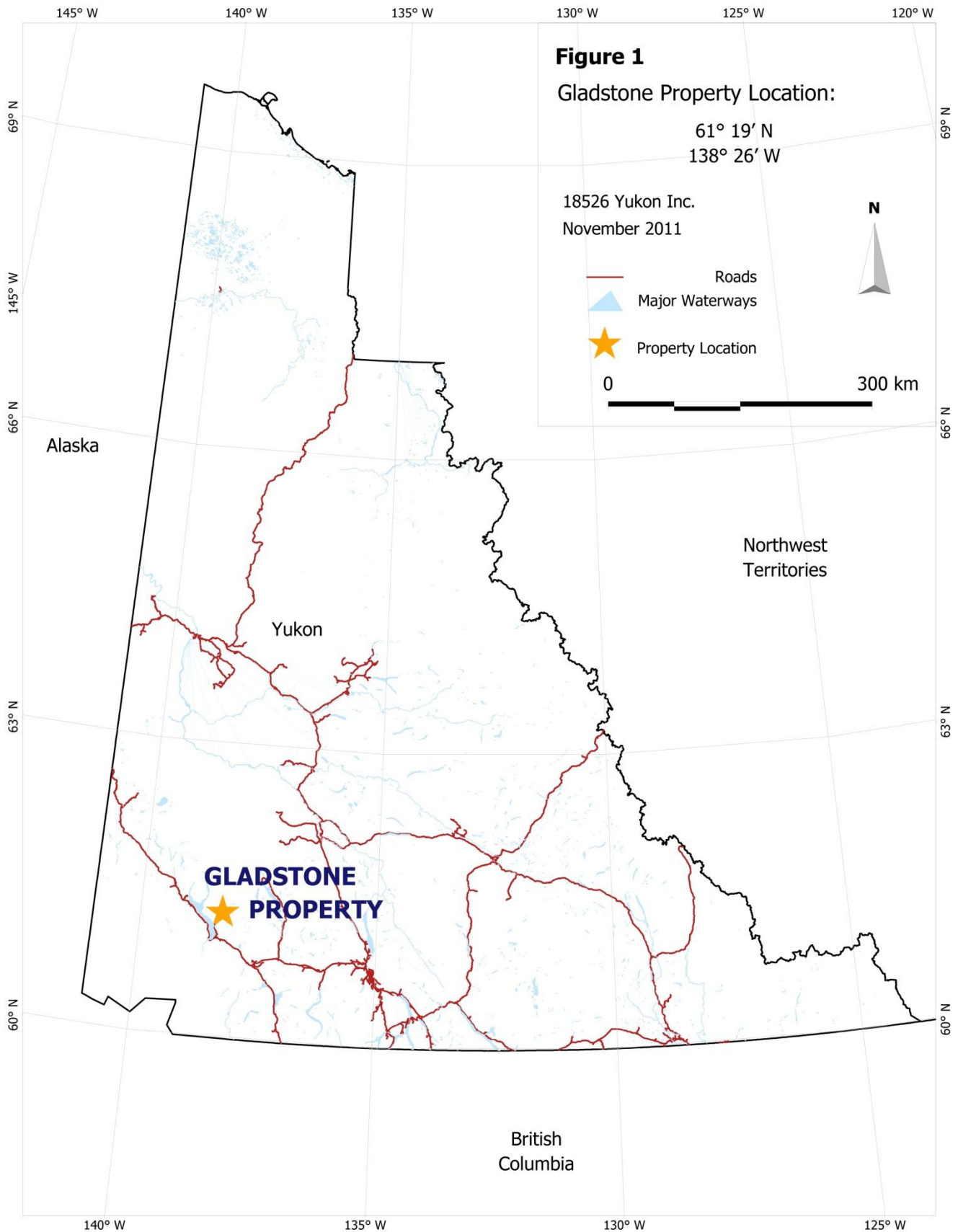
<u>Claim Name</u>	<u>Grant Number(s)</u>	<u>Owner</u>	<u>Claim Name</u>	<u>Grant Number(s)</u>	<u>Owner</u>
A 1 – 12	YD68503 – YD68512	18526 Yukon Inc. - 100%	i 99 – 106	YF35199 – YF35206	Ron S. Berdahl - 100%
A 23 – 30	YD68525 – YD68532	18526 Yukon Inc. - 100%	i 108	YF35208	Ron S. Berdahl - 100%
A 43 – 72	YD68545 – YD68574	18526 Yukon Inc. - 100%	i 129 – 132	YF35229 – YF35232	Ron S. Berdahl - 100%
A 165 – 176	YD68667 – YD68678	18526 Yukon Inc. - 100%	i 135, 137	YF35235, YF35237	Ron S. Berdahl - 100%
A 187 – 192	YD68689 – YD68694	18526 Yukon Inc. - 100%	i 139 – 142	YF35239 – YF35242	Ron S. Berdahl - 100%
A 193 – 204	YD68595 – YD68606	18526 Yukon Inc. - 100%	i 144	YF35244	Ron S. Berdahl - 100%
A 205 – 214	YD68707 – YD68716	18526 Yukon Inc. - 100%	i 161 – 164	YF35261 – YF35264	Ron S. Berdahl - 100%
A 231 – 236	YD68733 – YD68738	18526 Yukon Inc. - 100%	i 175	YF35275	Ron S. Berdahl - 100%
A 253 – 269	YD68755 – YD68771	18526 Yukon Inc. - 100%	i 177 – 180	YF35277 – 280	Ron S. Berdahl - 100%
A 271, 273	YD68773, YD68775	18526 Yukon Inc. - 100%	i 182, 184	YF35282, YF35284	Ron S. Berdahl - 100%
A 275, 277	YD68777, YD68779	18526 Yukon Inc. - 100%	i 207 – 210	YF35307 – YF35310	Ron S. Berdahl - 100%
A 279, 281	YD68781, YD68783	18526 Yukon Inc. - 100%	i 227, 229	YF35327, YF35329	Ron S. Berdahl - 100%
A 283	YD68785	18526 Yukon Inc. - 100%	i 231, 233	YF35331, YF35333	Ron S. Berdahl - 100%
A 289 – 294	YD68791 – YD68796	18526 Yukon Inc. - 100%	i 235 – 238	YF35335 – YF35338	Ron S. Berdahl - 100%
A 295 – 305	YD125033 – YD125043	18526 Yukon Inc. - 100%	i 240	YF35340	Ron S. Berdahl - 100%
A 307 – 314	YD6125045 – YD125052	18526 Yukon Inc. - 100%	i 253 – 256	YF35353 – YF35356	Ron S. Berdahl - 100%
A 331 – 342	YD125069 – YD125080	18526 Yukon Inc. - 100%	i 258	YF35358	Ron S. Berdahl - 100%
A 353 – 404	YD125113 – YD125142	18526 Yukon Inc. - 100%	i 263, 265	YF35363, YF35365	Ron S. Berdahl - 100%
A 405 – 478	YE51105 – YE51178	18526 Yukon Inc. - 100%	i 266, 278	YF35366, YF35378	Ron S. Berdahl - 100%
i 50	YF35150	Ron S. Berdahl - 100%	i 280, 282	YF35380, YF35382	Ron S. Berdahl - 100%
i 71 – 76	YF35171 – YF35176	Ron S. Berdahl - 100%	i 284, 286	YF35384, YF35386	Ron S. Berdahl - 100%

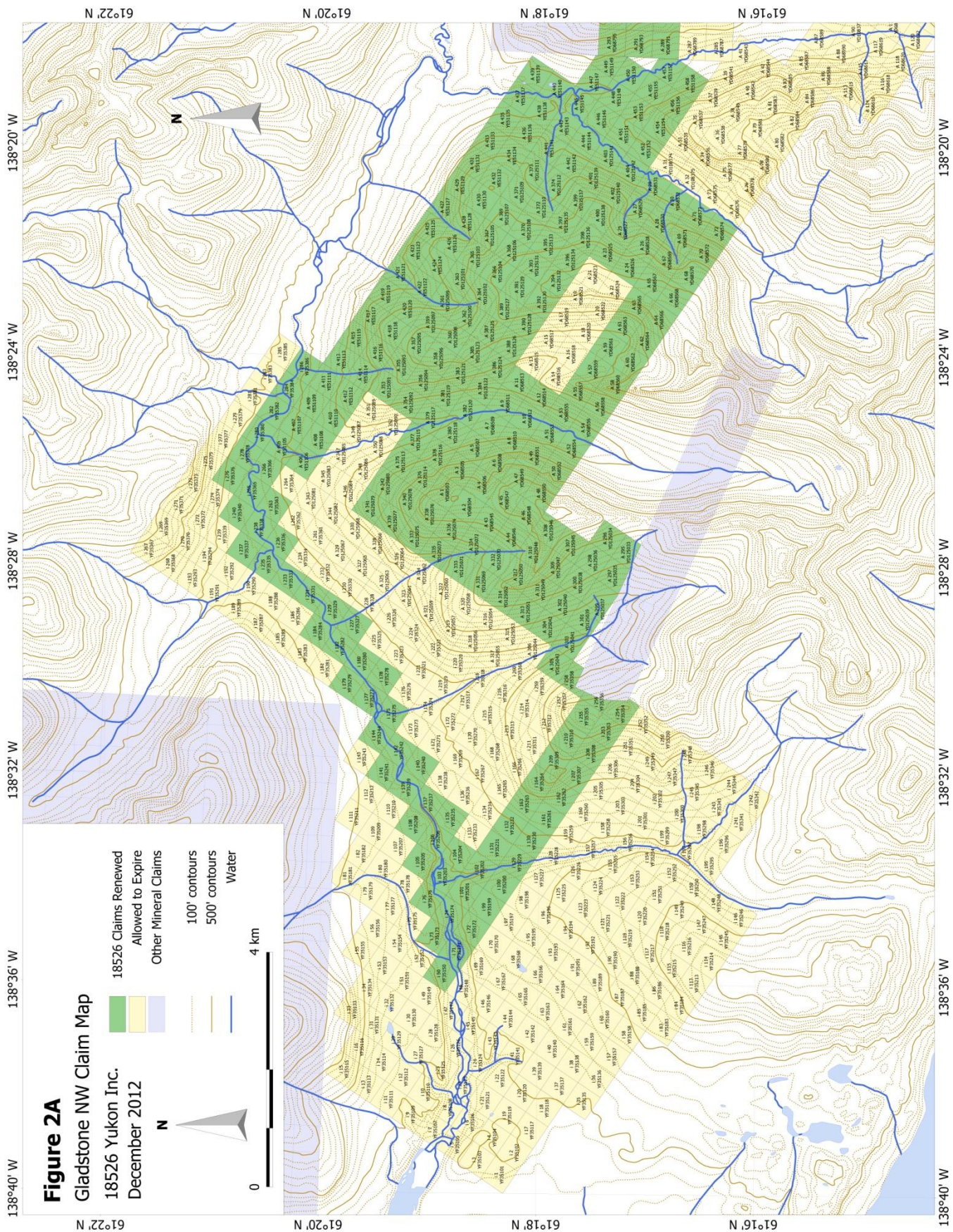
LOCATION AND ACCESS

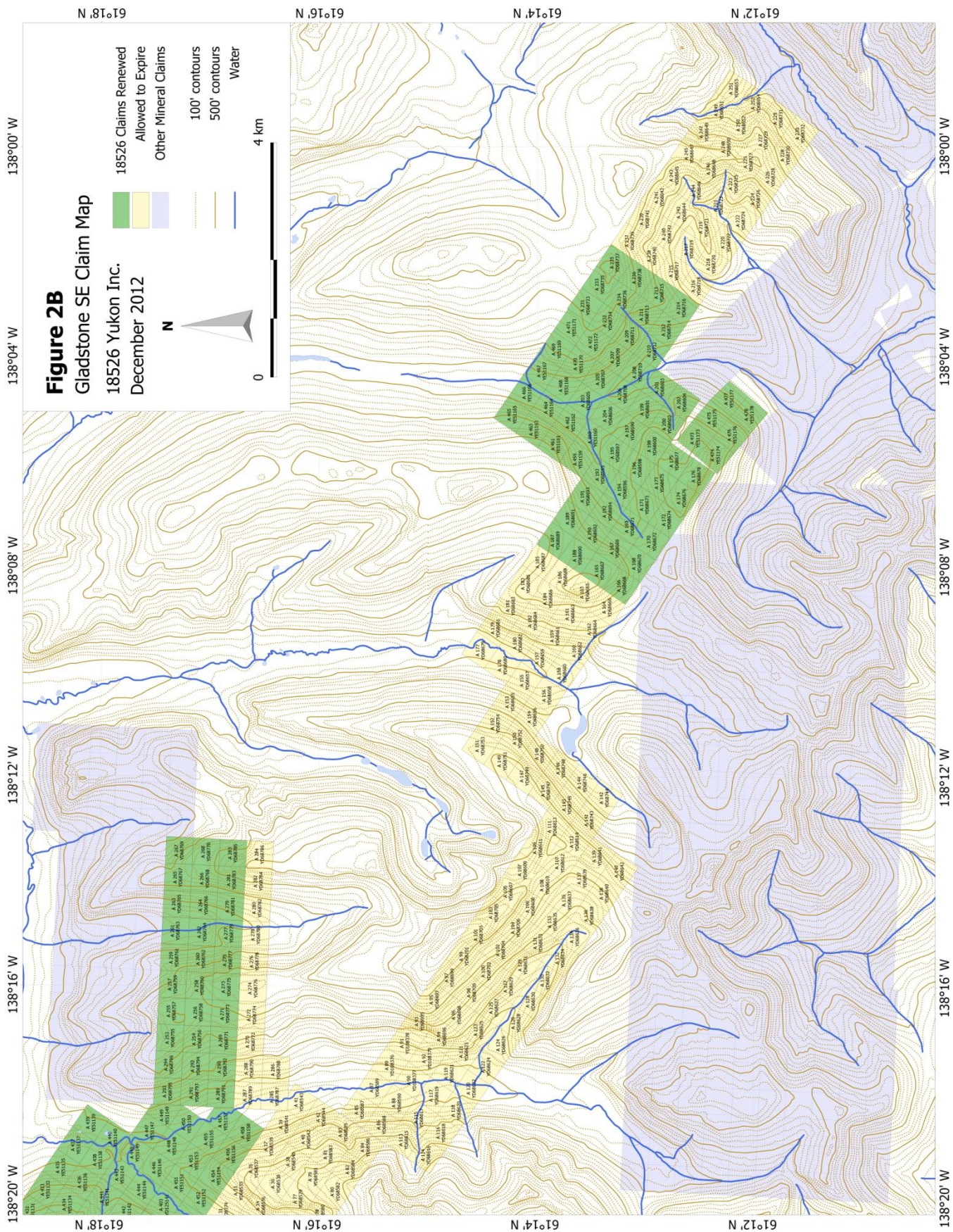
The Gladstone property is located in the Ruby Range, to the east of Kluane Lake, in the southwestern Yukon Territory, Canada. The property stretches southeast from the southern side of Gladstone Creek for over 30 km to the headwaters of Twelfth of July Creek, connecting the headwaters of an active placer district. The property sits 24 km north of the Alaska Highway near the Silver City airstrip and Kluane B&B on the eastern shore of Kluane Lake, and the western edge of the property is less than 10 km from the roadside community of Destruction Bay. Gladstone is 23 km southeast of Burwash Landing, 56 km northwest of Haines Junction, and 167 km northwest of the Whitehorse International Airport.

The property is road accessible at its northwest end and nearly road accessible at its southeast end via a network of dirt roads maintained by placer miners operating in the Ruby Range. It can also be accessed by boat or barge across Kluane Lake in the summer, or across the lake ice in mid to late winter. A road-accessible airstrip on the western end of the property services placer operations on Gladstone Creek, and a second airstrip is situated south of the placer workings on Twelfth of July Creek, about 8 km south of the southeast end of the property. Central, mountainous regions of the property are best accessed by helicopter.

Access to the 2012 sampling program was provided by Horizon Helicopters of Whitehorse, Yukon, using an ASTAR helicopter based from a highway-side camp in a clearing near the west side of Kluane Lake, south of the outlet of Congdon Creek.



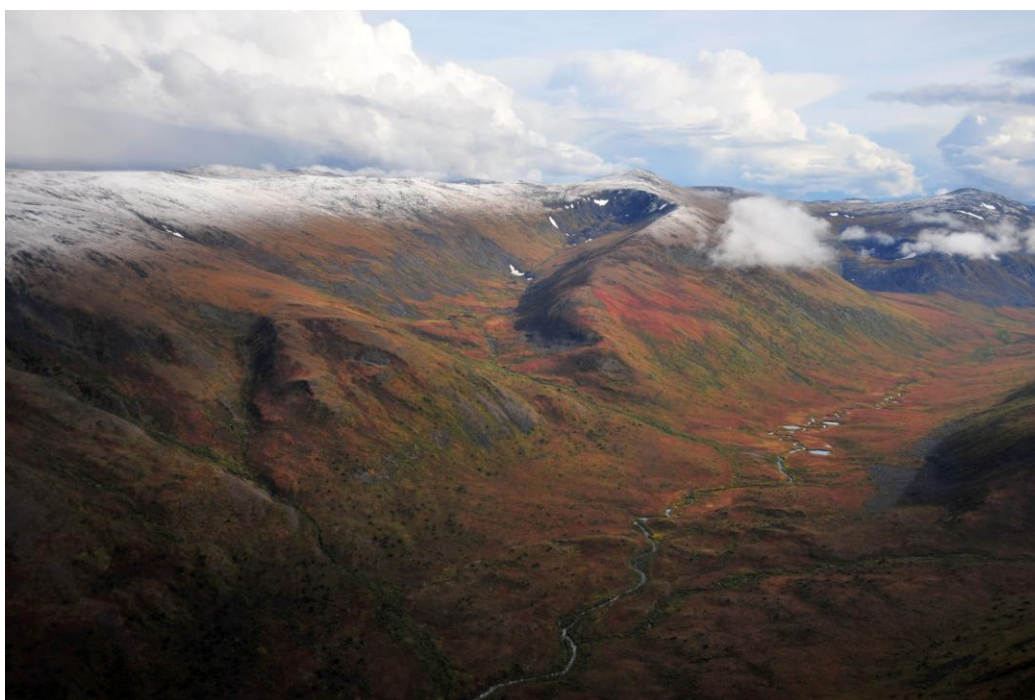




PHYSIOGRAPHY

18526 Yukon Inc.'s Gladstone property is located in the Ruby Range, a region of rounded and glacially incised mountains to the east of Kluane Lake. The local climate is relatively dry, with the nearby town of Haines Junction receiving roughly 30 cm of precipitation annually.

Temperatures range from highs of 10 to 30°C in the summer months (May to August) and can drop as low as -30 to -50°C in the winter, with a high degree of variability at any time of year. The region is accessible for regular surface exploration from late May/early June through to September, though snows can linger on north facing slopes well into the summer, and the first winter snows can begin at high altitude as early as late August. Streams in the area generally freeze up around October.



Typical autumn landscape in the Ruby Range near 18526 Yukon Inc.'s "Gladstone" property, showing glacial morphology and steep, talus-covered valley walls. Photo taken August 31, 2010.

Elevations on the property range from 1050 m (3500 ft) along Gladstone Creek, at the northeast end of the property, to nearly 2300 m (7500 ft) along its highest ridges. The property covers multiple creeks and drainage systems. Local valleys are broad and glacially sculpted, often with steep talus walls. Peaks are generally subdued, with felsenmeer and frost boils common in alpine areas. Valley bottoms are generally covered by glacial till, with abundant permafrost.

Vegetation ranges from alpine grasses and moss at high elevations to dwarf birch and willow below about 1600 m (5250 ft), grading into sparse black spruce in certain areas below 1400 m (4500 ft). Soil profiles are in places affected by loess and thick organics. Permafrost dominates

at lower elevations and on north-facing slopes, and appears in some places to dictate the nature of overlying vegetation.

REGIONAL GEOLOGY

The Gladstone project area is underlain almost entirely by the Kluane Schist, a metapelitic quartz-mica schist unit with minor carbonate and ultramafic inclusions (Israel, 2011). The Kluane Schist presently sits at the base of a northeast-dipping, structurally stacked crustal cross section, beneath the Ruby Range batholith and the Lower Carboniferous Yukon-Tanana terrane. Zircon dating and structural observations indicate that the Kluane Schist was deposited and subsequently emplaced beneath the Yukon Tanana terrane during a brief (>25 My) window in the late Cretaceous, prior to the bulk of intrusions associated with the Ruby Range batholith (*ibid.*). Syn-to-post kinematic magmatic episodes exploited the structural corridor between the Kluane Schist and Yukon Tanana terrane, overprinting the original contact and forming the remainder of the batholith's mass (*ibid.*).

This tectonic framework of the Kluane Schist bears striking similarities to the Taku terrane of the Juneau Gold Belt, including ages, terrane affinities, structural juxtapositions and timing (*ibid.*). The Taku terrane—host to significant orogenic deposits in southeast Alaska—was emplaced beneath rocks correlative with the Yukon Tanana terrane, while intrusions of the Coastal Plutonic Complex exploited this contact during deformation (McClelland, 2000; Israel, 2011).

A distinct gneiss unit of uncertain origin structurally overlies the Kluane Schist at certain points along its contact with the Ruby Range batholith. These gneisses may represent be a metamorphic expression of the Kluane Schist, the Ruby Range batholith, or the overlying Yukon-Tanana terrane, or some combination thereof. In any case, the thrust fault contact between the gneiss unit and the Kluane Schist may be an important gold corridor (Israel, 2011), as both of prospector JP Ross's Ruby Range gold discoveries (near Gladstone Creek and Killermun Lake) are located near this structure. Parts of 18526 Yukon Inc.'s Cliff property also overlie this thrust.

LOCAL GEOLOGY

The Kluane Schist comprises two main units—a light to dark grey, fine-grained muscovite schist and a higher-grade, dark grey to black biotite schist with occasional garnets and plagioclase porphyroblasts (Israel, 2011). The metamorphic gradient between these units runs roughly northwest-southeast through the project area, and was used as a guide in targeted staking efforts on the Gladstone Property, which follows this gradient through the schist for several dozen km.

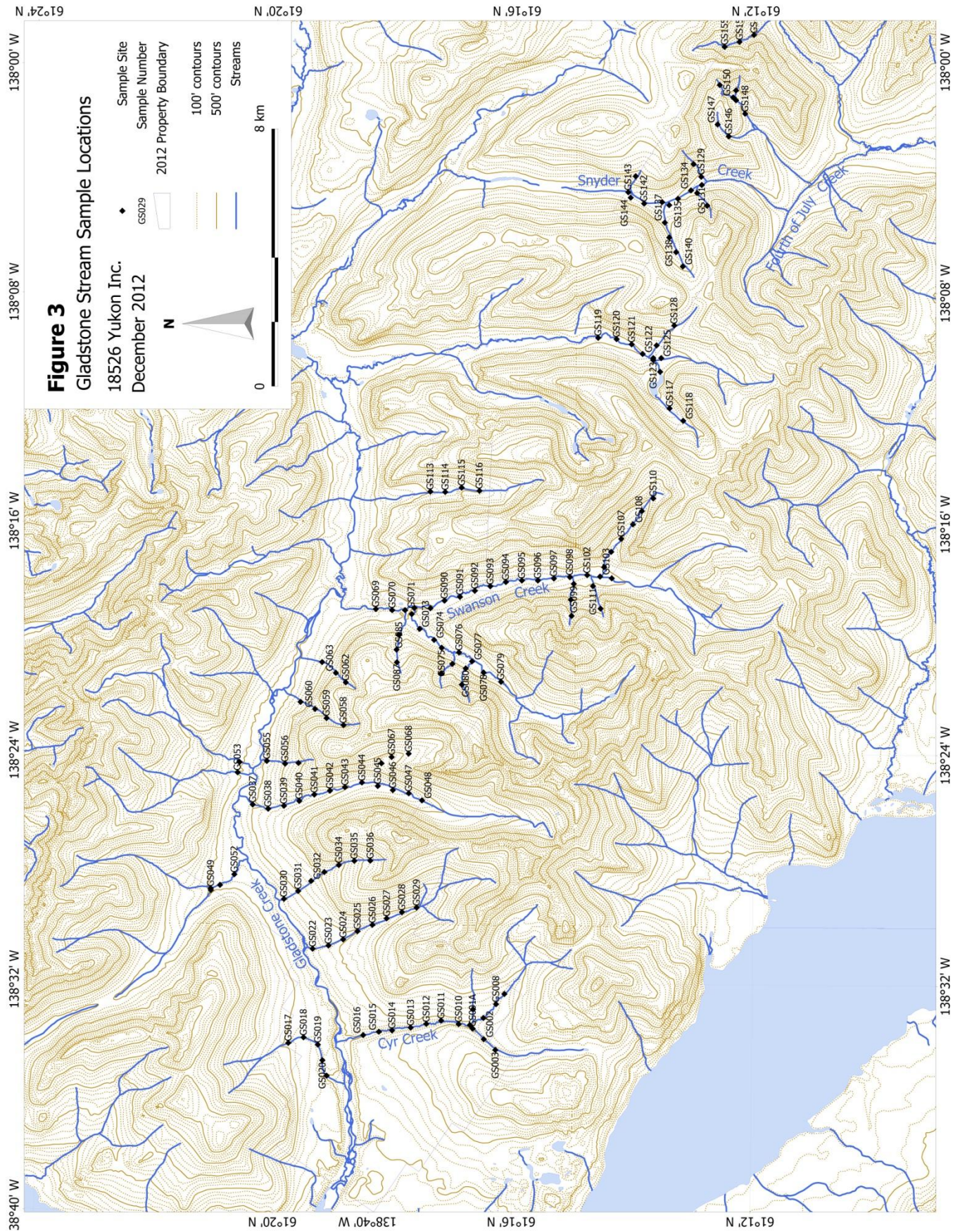
Both schist units are variably carbonaceous, with an increased incidence of carbonate units toward the northwest (*ibid.*). Thin, isolated ultramafic units also occur within the schists, and are thought to be fragments of oceanic crust that interleaved with the Kluane Schist during accretion (Mezger, 2000).

SURVEY DESCRIPTION

The 2012 Gladstone stream geochemistry program was conducted from the 19th to the 23rd of June by a team of five workers hired, trained and supervised by 18526 Yukon Inc.

A total of 154 stream sediment samples were collected at roughly 500 m intervals from active stream channels and streamside flood deposits across the Gladstone property. Large samples were taken, using shovels to collect materials from the stream bed. Several hundred grams of fines were collected for each sample, sieved on site through 20 mesh (0.85 mm) screens and collected into cloth sample bags, which were subsequently sealed inside plastic bags to prevent cross-contamination between samples. Each sample site was then photographed and described, with coordinates recorded on a handheld GPS device. Sample sites varied from high alpine brooks to mature, tertiary streams in broad valley bottoms.

Samples were delivered to ACME Analytical Labs in Whitehorse, Yukon. Each sample was screened by ACME through 80 mesh (0.18 mm) and shipped Vancouver, British Columbia for analysis. Thirty gram subsamples were processed via Aqua Regia digestion and analysed for 53 elements (ACME's "1F06" package). After analysis, ACME disposed of the samples.



RESULTS

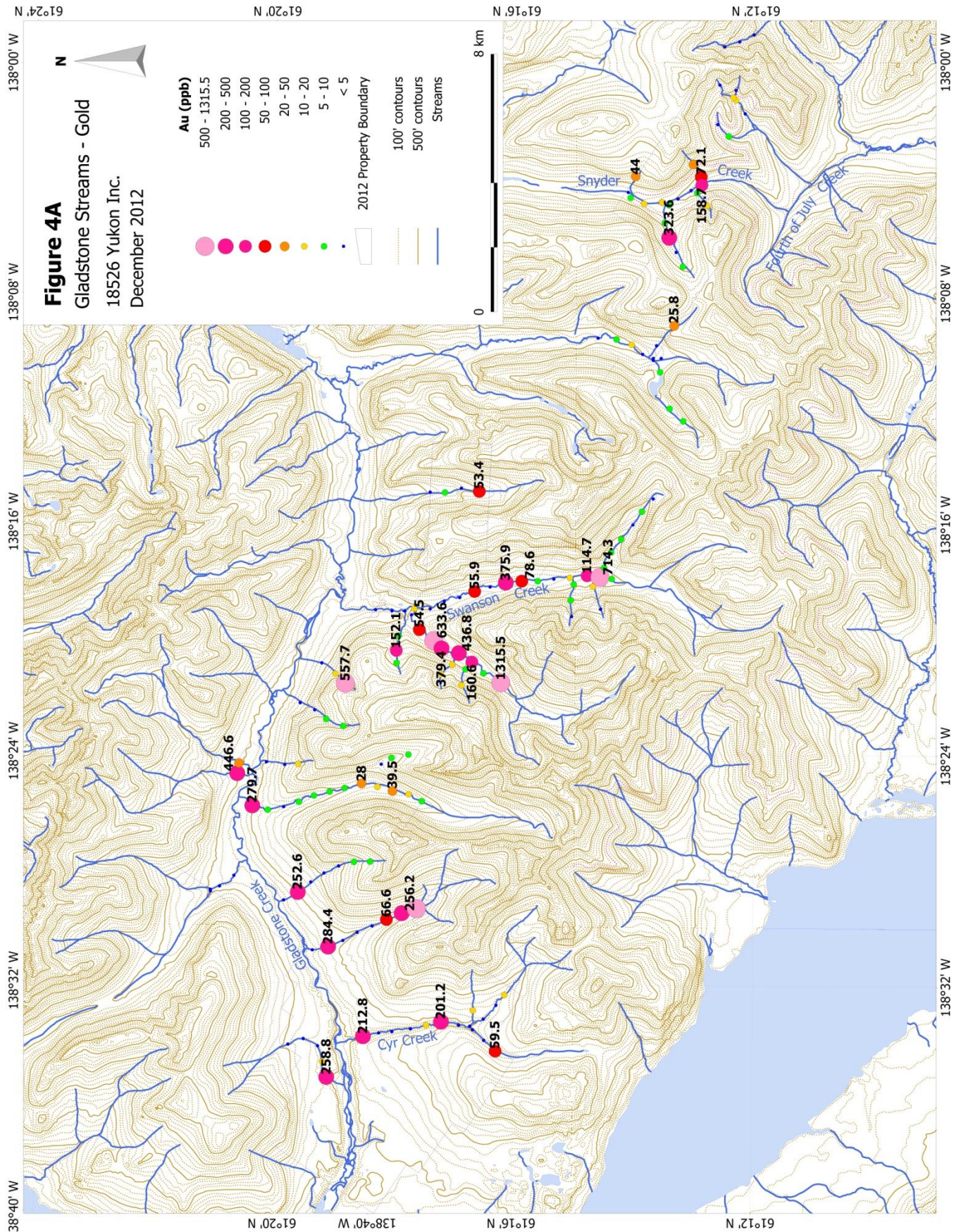
Figures 4A, B and C show gold, arsenic and antimony concentrations encountered by the 2012 survey.

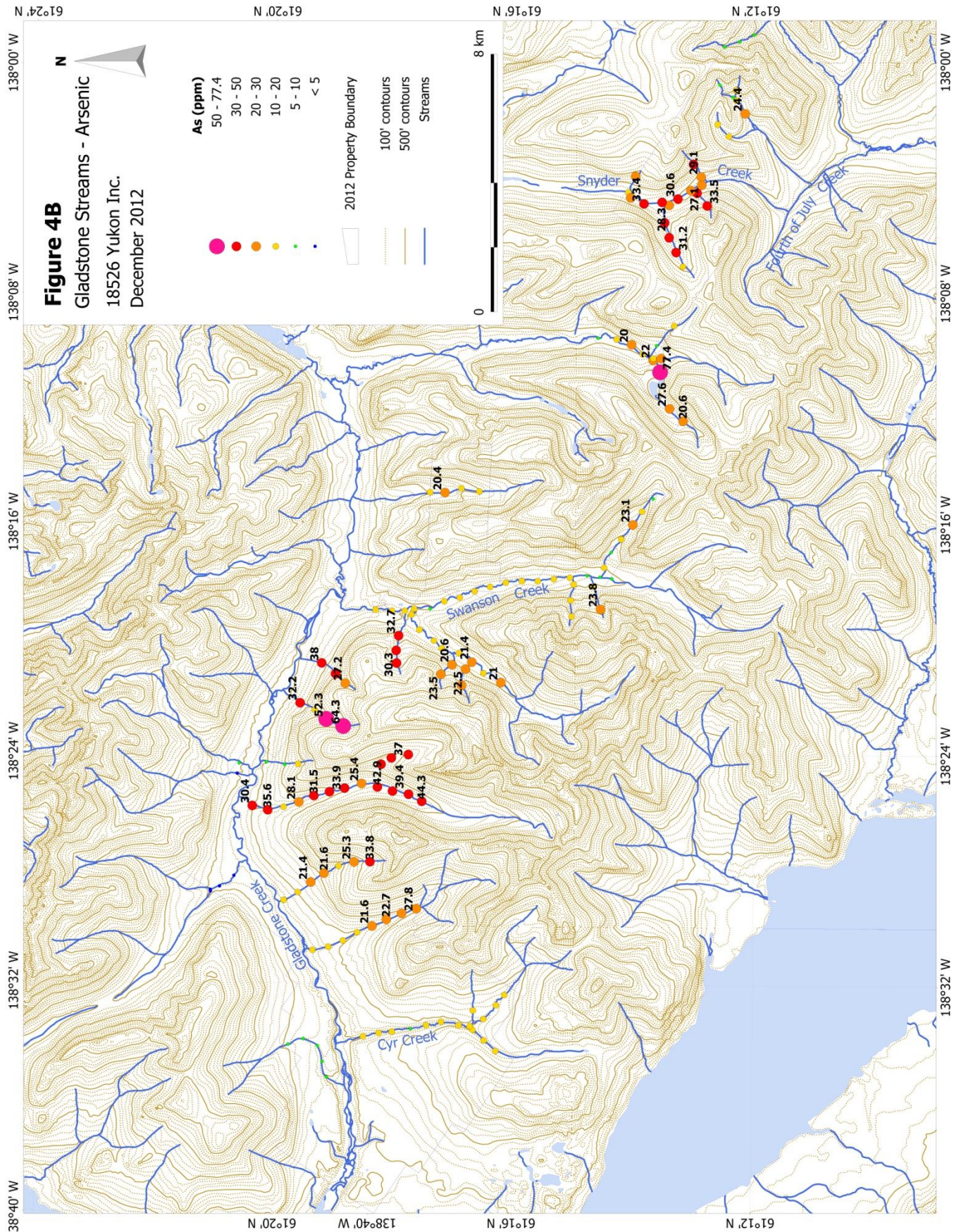
Widespread, highly anomalous gold values were detected across much of the survey. Of the 154 stream samples analysed, 21 (13.6%) returned values above 100 ppb Au. The most dense concentration of anomalous values occurred along the main western tributary of Swanson Creek, a mature, tertiary stream where a survey high of 1.3 g/t Au was encountered.

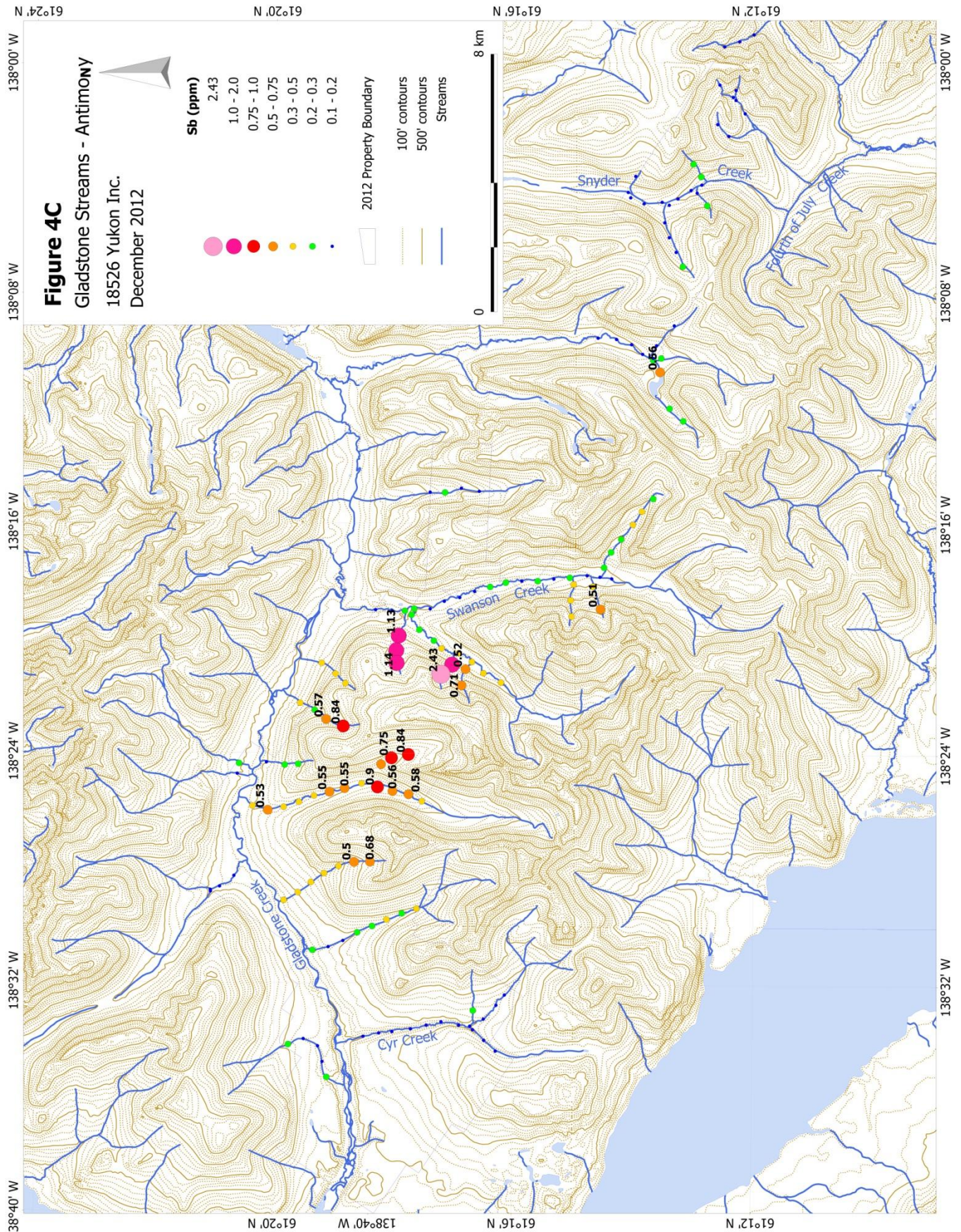
Arsenic and antimony values did not show so strong a response, though both show elevated to anomalous concentrations in primary streams draining the ridge to the west of the Swanson Creek tributary. Arsenic values are also elevated, and accompanied by several sporadic gold anomalies, in the area around Snyder Creek.

Most other elements were low across the survey area. The western tributary to Swanson Creek gave a faint response for bismuth (highest 0.22 ppm), while primary streams draining the ridge to the west of the tributary gave faint responses for mercury, lead and tellurium.

Original assay sheets listing additional elemental abundances are included as Appendix A. Exact sample locations and field notes are included as an Excel spreadsheet (file type .xls) on the accompanying compact disk.







INTERPRETATION AND CONCLUSIONS

The most immediate interpretation of the 2012 stream survey geochemical results, with various high gold values unaccompanied by arsenic, antimony, lead, etc., is that of a mature placer system. Certainly, in an active placer district, this is a reasonable interpretation, and on parts of the survey it appears to be the case. Along Gladstone Creek for instance, Figure 4A offers evidence of a placer bench exposed between the 3500' and 3000' contours, as 6 of the lowermost 7 Gladstone tributary creeks display a pronounced and nearly uniform gold spike where the stream runs between these elevations. In other areas, though sampling techniques were designed to minimize its impact, the "nugget effect" may be present, such as with the sporadic high gold values along the main arm of Swanson Creek.

Nonetheless, the hard rock source of this placer district's gold has yet to be established. Given the distribution of placer streams through the Ruby Range and schistose gravels observed along a Gladstone placer layer, Ostensoe (1984) reasoned that the gold likely originated in the Yukon Metamorphic Group south of Gladstone – the Kluane Schist. Several anomalous gold values encountered in 2012 occur high on primary mountain streams, and the highly anomalous values isolated along the western tributary to Swanson Creek suggest a local source for the gold, inside of that drainage.

It is possible that the observed isolated gold signal originated from a higher temperature orogenic system, perhaps associated with the Ruby Range batholith, which left mineralized areas with few volatiles. Other anomalies, such as the high arsenic and antimony values centered on a mountain ridge, would then be the result of later, lower temperature processes.

Yet with its conspicuous halo of elevated to anomalous geochemistry, the ridge to the west of the western Swanson Creek tributary is an obvious target for continued exploration. A ground-accessed, ridge-and-spur soil +/- contour sampling program here and in the headwaters of Swanson Creek's western tributary, paired with general prospecting, would provide a cost-effective means of further assessing this area's gold potential. (The western tributary creek might also be explored for its placer gold potential.)

The results of the 2012 survey add further evidence for the presence of gold sourced in the Ruby Range, and highlight the merits of continued exploration on the property.

REFERENCES

- Berdahl, S., 2011. "Geochemical Assessment Report for work performed on the Kluane Properties: Gladstone, Cliff, Tahl." *18526 Yukon Inc.*. Yukon Mining Assessment Report #095504.
- Gates, M., October 7, 2011. "In prospecting, it's always about the next big discovery." *The Yukon News*, Whitehorse. [accessed online at: <http://www.yukon-news.com/opinions/columns/25278/>]
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- Ostensoe, E.A., 1984. "Report on the Gladstone Creek Placer Gold Property, Kluane Lake Area, Southwest Yukon." *Catear Resources*. Yukon Mining Assessment Report #120054.
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- Yukon MINFILE: 115G 104.

STATEMENT OF EXPENDITURES

Expenses for the 2012 streams program were as follows:

Helicopter	<i>Horizon Air – 6.8 hours at \$1650</i>	-	\$11,220
Labour	<i>6 crew, 5 days @ \$300</i>	-	\$9000
Assays	<i>154 samples @ \$33</i>	-	\$5082
Fuel		-	\$5500
Food	<i>6 crew, 5 days @\$50</i>	-	\$1500
Vehicle Rentals		-	\$960
Report Prep.		-	\$1500
Total		-	\$34,762

STATEMENT OF QUALIFICATIONS

I, JAMES SCOTT BERDAHL, hereby certify that:

1. I am a geologist contracted by 18526 YUKON INC., Box 11250, Whitehorse, Yukon, Y1A 6N4.
2. I am a graduate of the Massachusetts Institute of Technology, with a degree in geology (B.Sc., 2008).
3. I have been employed in mineral exploration, as a prospector's assistant or as a project geologist, annually for over a decade, and full-time for the past two years.
4. I supervised and assisted with the geochemical survey described above in June of 2012.
5. The data contained herein is true and correct to the best of my knowledge.

I also disclose that I have a direct interest in 18526 Yukon Inc. and thus a direct interest in the Gladstone mineral property itself.



December 27, 2012



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Acme Analytical Laboratories (Vancouver) Ltd.

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Client: 18526 Yukon Inc.
P.O. Box 11250
Whitehorse YT Y1A 6N4 Canada

Submitted By: Ron Berdahl
Receiving Lab: Canada-Whitehorse
Received: July 10, 2012
Report Date: July 24, 2012
Page: 1 of 7

CERTIFICATE OF ANALYSIS

WHI12000302.1

CLIENT JOB INFORMATION

Project: Gladstone 2012
Shipment ID:
P.O. Number
Number of Samples: 163

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
DISP-RJT-SOIL Immediate Disposal of Soil Reject

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: 18526 Yukon Inc.
P.O. Box 11250
Whitehorse YT Y1A 6N4
Canada

CC: Scott Berdahl

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	161	Dry at 60C			WHI
SS80	161	Dry at 60C sieve 100g to -80 mesh			WHI
1F06	161	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	30	Completed	VAN

ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted. ** asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client: **18526 Yukon Inc.**
P.O. Box 11250
Whitehorse YT Y1A 6N4 Canada

Project: Gladstone 2012
Report Date: July 24, 2012

Page: 2 of 7

Part: 1 of 3

CERTIFICATE OF ANALYSIS

WHI12000302.1

Method Analyte Unit MDL		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01
GS001	Silt	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
GS002	Silt	0.24	16.25	4.12	71.7	50	29.4	10.2	576	2.62	16.1	0.5	3.1	2.5	36.2	0.11	0.13	0.12	30	0.52
GS003	Silt	0.23	16.85	4.34	71.3	57	27.8	9.0	413	2.60	19.1	0.5	59.5	2.7	35.1	0.11	0.11	0.08	30	0.50
GS004	Silt	0.49	30.18	5.51	89.0	89	40.6	12.9	579	3.12	15.6	0.9	2.8	3.2	31.9	0.17	0.16	0.10	39	0.53
GS005	Silt	0.39	26.37	4.74	93.4	99	36.6	11.2	450	3.03	12.8	0.9	11.7	2.0	25.5	0.17	0.21	0.07	39	0.41
GS006	Silt	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
GS007	Silt	0.43	27.31	4.86	90.8	69	38.9	11.6	495	3.12	15.7	0.7	2.1	2.9	27.4	0.15	0.19	0.09	36	0.42
GS008	Silt	0.46	26.92	4.97	82.9	68	38.0	11.8	491	3.02	17.1	0.7	1.0	3.2	27.0	0.16	0.16	0.08	34	0.41
GS009	Silt	0.49	25.42	5.09	77.3	60	35.3	10.6	455	2.88	16.3	0.7	11.8	3.6	35.6	0.14	0.18	0.08	35	0.55
GS010	Silt	0.29	20.95	4.51	63.0	55	29.6	10.2	619	2.30	13.7	0.5	0.7	2.5	35.5	0.10	0.10	0.04	27	0.69
GS011	Silt	0.28	20.38	4.29	77.9	88	33.1	10.6	661	2.82	12.0	0.6	201.2	2.6	30.1	0.08	0.11	0.03	34	0.46
GS012	Silt	0.35	22.80	4.99	77.0	69	34.4	11.1	672	2.97	13.6	0.6	11.4	3.0	36.8	0.13	0.15	0.03	45	0.65
GS013	Silt	0.44	21.49	3.98	42.9	39	26.6	9.5	405	2.09	8.8	0.4	1.5	2.6	63.4	0.13	0.19	<0.02	40	1.94
GS014	Silt	0.35	22.32	4.45	70.2	54	34.3	11.0	629	2.86	12.0	0.6	0.3	2.9	36.9	0.13	0.13	0.03	45	0.75
GS015	Silt	0.34	21.74	4.67	71.6	43	33.6	10.7	628	2.84	12.5	0.5	<0.2	2.9	32.2	0.12	0.14	<0.02	38	0.65
GS016	Silt	0.30	20.67	4.24	67.3	72	31.8	9.8	549	2.62	11.7	0.4	212.8	2.7	33.5	0.09	0.13	0.03	37	0.66
GS017	Silt	0.36	19.78	3.15	47.0	48	26.1	9.3	350	2.08	6.7	0.4	0.9	1.6	33.7	0.11	0.23	<0.02	43	0.81
GS018	Silt	0.29	18.86	3.27	48.7	61	27.6	10.2	310	2.29	5.1	0.4	2.1	1.9	33.6	0.08	0.18	0.03	53	0.81
GS019	Silt	0.37	21.67	3.23	50.0	47	27.7	10.0	347	2.29	6.5	0.4	3.5	1.7	31.5	0.12	0.18	<0.02	51	0.72
GS020	Silt	0.31	15.95	3.01	43.2	54	24.1	8.5	324	2.07	5.0	0.4	10.7	2.0	31.5	0.08	0.19	0.09	49	0.73
GS021	Silt	0.31	20.75	3.36	48.0	79	28.2	9.6	348	2.21	6.3	0.4	258.8	1.7	36.2	0.12	0.21	0.03	50	0.93
GS022	Silt	0.45	25.01	4.16	76.9	66	38.7	11.7	425	2.97	16.2	0.6	1.4	3.3	33.5	0.12	0.20	0.08	50	0.56
GS023	Silt	0.41	23.30	4.13	72.7	112	36.9	11.4	392	3.17	15.2	0.6	284.4	3.7	37.0	0.11	0.17	0.07	65	0.63
GS024	Silt	0.47	25.10	4.13	77.1	69	38.5	11.7	429	2.97	17.3	0.6	3.2	3.2	29.5	0.13	0.18	0.06	46	0.48
GS025	Silt	0.50	27.41	4.54	84.2	69	41.2	12.7	459	3.09	19.2	0.8	1.7	3.6	31.4	0.13	0.22	0.06	48	0.55
GS026	Silt	0.57	28.97	5.22	87.8	78	41.7	12.7	462	3.10	21.6	0.8	3.3	3.7	32.4	0.11	0.24	0.07	47	0.54
GS027	Silt	0.68	31.74	5.57	89.1	108	46.4	13.8	506	3.40	22.7	0.9	66.6	3.8	35.1	0.18	0.32	0.07	59	0.59
GS028	Silt	0.68	34.84	5.30	102.2	143	46.3	14.0	511	3.36	27.8	1.1	256.2	3.3	28.2	0.19	0.29	0.07	52	0.43
GS029	Silt	1.15	33.91	6.84	100.0	213	48.2	14.4	505	3.44	28.0	0.9	959.0	3.3	28.1	0.19	0.35	0.07	58	0.42
GS030	Silt	0.65	35.02	4.94	60.3	122	49.3	14.1	410	3.23	14.9	0.5	0.3	1.7	28.1	0.20	0.47	0.02	78	0.50



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Project: Gladstone 2012
Report Date: July 24, 2012

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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te	Ga	Cs	Ge
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm
		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1
GS001	Silt	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
GS002	Silt	9.3	32.0	0.71	55.5	0.019	3	1.25	0.003	0.03	<0.1	2.0	0.03	<0.02	5	0.2	0.03	3.9	0.34	<0.1
GS003	Silt	9.9	31.8	0.72	49.2	0.019	2	1.27	0.003	0.03	<0.1	2.0	0.03	<0.02	<5	0.2	0.03	3.8	0.36	<0.1
GS004	Silt	10.6	38.9	0.88	44.0	0.020	1	1.54	0.003	0.04	0.1	2.7	0.03	<0.02	17	0.5	0.05	4.8	0.47	<0.1
GS005	Silt	8.5	38.2	0.88	56.5	0.022	2	1.58	0.004	0.04	<0.1	2.5	0.03	<0.02	7	0.9	0.04	5.0	0.42	<0.1
GS006	Silt	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
GS007	Silt	9.1	36.9	0.87	34.9	0.016	1	1.52	0.002	0.03	<0.1	2.4	<0.02	<0.02	9	0.3	0.05	4.6	0.43	<0.1
GS008	Silt	9.4	34.5	0.84	32.3	0.016	1	1.47	0.002	0.03	<0.1	2.3	0.02	<0.02	<5	0.5	0.04	4.2	0.41	<0.1
GS009	Silt	10.8	33.9	0.78	30.3	0.021	1	1.34	0.002	0.03	<0.1	2.2	<0.02	<0.02	<5	0.2	0.08	4.1	0.37	<0.1
GS010	Silt	8.6	28.2	0.66	46.0	0.018	1	1.13	0.004	0.03	<0.1	2.1	<0.02	<0.02	5	0.2	0.04	3.3	0.33	<0.1
GS011	Silt	9.4	35.0	0.83	52.3	0.020	1	1.43	0.003	0.04	<0.1	2.3	<0.02	<0.02	9	0.1	0.03	4.0	0.35	<0.1
GS012	Silt	10.4	39.6	0.83	51.4	0.026	2	1.38	0.004	0.04	<0.1	2.5	0.02	<0.02	13	0.2	0.03	4.2	0.38	<0.1
GS013	Silt	8.6	33.0	0.75	31.6	0.035	<1	0.95	0.009	0.05	<0.1	2.1	<0.02	<0.02	<5	<0.1	0.02	3.0	0.26	<0.1
GS014	Silt	9.4	40.7	0.84	50.3	0.027	<1	1.32	0.005	0.04	0.2	2.3	0.02	<0.02	6	0.2	0.03	4.1	0.36	<0.1
GS015	Silt	9.0	38.8	0.86	41.0	0.030	1	1.31	0.005	0.04	<0.1	2.1	<0.02	<0.02	<5	<0.1	0.03	3.8	0.32	<0.1
GS016	Silt	9.5	35.9	0.79	44.4	0.022	1	1.27	0.004	0.04	<0.1	2.2	0.02	<0.02	<5	0.1	0.03	4.0	0.36	<0.1
GS017	Silt	6.6	32.0	0.69	80.0	0.057	2	1.09	0.013	0.12	<0.1	3.0	0.08	<0.02	5	0.3	0.05	3.7	0.69	<0.1
GS018	Silt	7.8	39.4	0.77	81.3	0.060	1	1.15	0.014	0.12	0.2	3.2	0.08	<0.02	12	0.3	<0.02	3.9	0.74	<0.1
GS019	Silt	7.1	38.0	0.74	80.5	0.061	<1	1.15	0.014	0.12	0.2	3.3	0.08	<0.02	15	0.3	0.04	3.8	0.75	<0.1
GS020	Silt	7.2	36.0	0.66	64.3	0.057	1	0.98	0.014	0.10	0.1	2.7	0.02	<0.02	8	0.3	<0.02	3.4	0.57	<0.1
GS021	Silt	7.3	39.1	0.75	72.4	0.057	2	1.09	0.014	0.11	0.2	2.9	0.09	<0.02	8	0.2	0.03	3.6	0.59	<0.1
GS022	Silt	10.3	45.7	0.84	42.1	0.034	<1	1.41	0.005	0.06	0.1	2.9	0.06	<0.02	<5	0.2	0.06	4.7	0.74	<0.1
GS023	Silt	10.6	50.5	0.80	38.1	0.040	<1	1.30	0.005	0.06	0.2	2.6	0.04	<0.02	8	0.2	<0.02	4.8	0.69	<0.1
GS024	Silt	9.3	44.0	0.86	36.2	0.029	<1	1.43	0.004	0.06	0.2	2.6	0.05	<0.02	<5	<0.1	0.05	4.6	0.71	<0.1
GS025	Silt	10.6	44.2	0.90	40.4	0.029	<1	1.50	0.004	0.06	0.1	2.8	0.04	<0.02	10	0.3	<0.02	4.7	0.75	<0.1
GS026	Silt	11.2	43.8	0.89	39.6	0.030	1	1.50	0.004	0.06	<0.1	2.7	0.05	<0.02	12	0.2	0.05	4.9	0.82	0.1
GS027	Silt	12.6	53.3	0.91	45.1	0.034	<1	1.55	0.006	0.06	0.2	2.9	0.06	<0.02	7	0.3	0.07	4.9	0.86	<0.1
GS028	Silt	11.5	46.0	0.92	49.5	0.035	1	1.68	0.003	0.07	<0.1	3.2	0.06	<0.02	10	0.3	<0.02	5.7	1.12	<0.1
GS029	Silt	11.2	50.5	0.89	50.1	0.041	1	1.66	0.004	0.07	<0.1	3.4	0.07	<0.02	10	0.1	<0.02	5.5	1.18	0.1
GS030	Silt	7.8	56.8	0.93	162.7	0.103	1	1.76	0.011	0.31	0.2	6.3	0.17	0.03	23	0.3	0.02	5.7	2.04	0.1



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Project: Gladstone 2012
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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
		0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
GS001	Silt	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
GS002	Silt	0.16	3.0	<0.1	<0.05	0.4	6.88	19.0	<0.02	<1	0.1	24.5	<10	<2
GS003	Silt	0.18	2.8	0.2	<0.05	0.4	7.20	20.7	<0.02	<1	0.1	25.1	<10	3
GS004	Silt	0.17	3.1	<0.1	<0.05	0.4	8.89	21.2	<0.02	3	0.2	31.6	<10	<2
GS005	Silt	0.22	3.3	0.1	<0.05	0.5	6.58	16.9	<0.02	<1	0.2	33.3	<10	<2
GS006	Silt	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
GS007	Silt	0.14	2.7	<0.1	<0.05	0.3	7.87	18.4	<0.02	<1	0.2	31.4	<10	<2
GS008	Silt	0.11	2.5	0.2	<0.05	0.3	8.41	19.7	<0.02	<1	0.2	31.5	<10	<2
GS009	Silt	0.12	2.2	0.1	<0.05	0.4	10.19	22.4	<0.02	<1	0.2	28.7	<10	<2
GS010	Silt	0.16	2.5	0.1	<0.05	0.5	6.22	17.9	<0.02	<1	<0.1	22.1	<10	<2
GS011	Silt	0.19	3.1	<0.1	<0.05	0.4	6.51	19.3	<0.02	1	0.1	27.9	<10	<2
GS012	Silt	0.16	3.2	0.4	<0.05	0.5	8.08	21.3	<0.02	1	0.1	27.1	<10	<2
GS013	Silt	0.10	2.4	<0.1	<0.05	1.5	7.64	17.9	<0.02	<1	0.1	14.1	<10	<2
GS014	Silt	0.18	3.1	<0.1	<0.05	0.5	7.61	19.7	<0.02	<1	0.1	24.0	<10	<2
GS015	Silt	0.22	2.9	0.3	<0.05	0.5	7.05	18.9	<0.02	<1	<0.1	25.6	<10	<2
GS016	Silt	0.14	2.9	<0.1	<0.05	0.5	6.86	19.7	<0.02	2	0.1	24.9	<10	<2
GS017	Silt	0.67	9.7	0.2	<0.05	1.2	5.46	13.9	<0.02	<1	<0.1	14.8	<10	<2
GS018	Silt	0.57	9.2	0.2	<0.05	1.3	6.27	16.5	<0.02	<1	0.2	15.4	<10	<2
GS019	Silt	0.58	9.8	0.2	<0.05	1.2	6.14	14.8	<0.02	1	0.2	15.4	<10	<2
GS020	Silt	0.45	7.6	0.3	<0.05	1.0	6.08	14.7	<0.02	1	0.1	13.0	<10	<2
GS021	Silt	0.50	7.8	0.1	<0.05	1.5	6.10	14.8	<0.02	<1	0.2	14.1	<10	<2
GS022	Silt	0.28	6.1	0.2	<0.05	0.3	9.13	21.5	<0.02	<1	0.2	26.5	<10	<2
GS023	Silt	0.24	5.7	0.2	<0.05	0.3	10.06	22.0	<0.02	<1	0.2	24.1	<10	<2
GS024	Silt	0.21	5.7	0.1	<0.05	0.3	8.54	19.7	<0.02	<1	0.2	28.2	<10	<2
GS025	Silt	0.24	5.7	0.1	<0.05	0.4	9.14	23.1	<0.02	1	0.2	28.4	<10	<2
GS026	Silt	0.26	6.0	0.6	<0.05	0.3	9.61	23.5	<0.02	<1	0.2	29.4	<10	<2
GS027	Silt	0.28	6.1	0.4	<0.05	0.4	10.37	26.3	0.02	<1	0.1	29.3	<10	<2
GS028	Silt	0.32	8.1	0.9	<0.05	0.2	9.36	23.4	<0.02	1	0.2	33.0	<10	<2
GS029	Silt	0.32	8.8	2.0	<0.05	0.1	9.35	22.6	0.02	<1	0.3	32.2	<10	<2
GS030	Silt	1.44	24.0	2.2	<0.05	0.4	7.34	16.3	<0.02	2	0.2	23.7	<10	<2



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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01
GS031	Silt	0.72	36.75	4.68	62.8	178	55.4	15.5	460	3.33	18.6	0.5	252.6	1.4	28.2	0.24	0.42	0.07	81	0.52
GS032	Silt	0.77	44.57	4.84	66.0	162	65.3	18.3	550	3.78	21.4	0.5	3.3	1.3	28.0	0.26	0.49	0.09	95	0.47
GS033	Silt	0.78	40.23	4.73	64.0	136	63.2	17.5	522	3.61	21.6	0.5	3.3	1.2	23.2	0.19	0.46	0.09	88	0.38
GS034	Silt	0.66	34.67	3.97	54.9	105	52.7	17.0	483	3.44	14.5	0.4	1.9	1.2	20.8	0.11	0.32	0.08	81	0.34
GS035	Silt	0.65	30.03	4.17	55.0	94	62.2	16.6	422	3.26	25.3	0.4	7.5	1.3	20.2	0.11	0.50	0.06	76	0.33
GS036	Silt	0.85	38.87	4.91	65.6	128	64.3	17.7	454	3.71	33.8	0.5	7.7	1.1	19.9	0.09	0.68	0.08	90	0.29
GS037	Silt	0.72	42.60	5.04	87.1	181	65.4	18.7	654	3.76	30.4	0.9	279.7	2.5	29.9	0.24	0.49	0.09	82	0.52
GS038	Silt	0.85	50.47	5.97	100.4	212	72.8	21.1	783	4.11	35.6	1.2	5.4	2.5	30.8	0.22	0.53	0.12	88	0.51
GS039	Silt	0.50	30.72	3.74	58.9	60	42.4	13.0	414	2.74	15.5	0.5	4.9	1.8	21.1	0.10	0.45	0.10	62	0.44
GS040	Silt	0.75	38.31	4.84	76.5	106	62.3	18.6	622	3.53	28.1	0.7	6.2	2.2	25.5	0.19	0.48	0.12	76	0.48
GS041	Silt	0.92	45.10	5.15	82.3	132	73.2	21.2	684	4.14	31.5	0.7	6.0	2.0	27.3	0.18	0.48	0.12	98	0.51
GS042	Silt	0.86	48.41	5.78	91.5	194	78.5	24.3	703	4.12	33.9	1.0	9.6	2.2	29.8	0.25	0.55	0.14	90	0.53
GS043	Silt	0.82	45.55	5.66	84.5	155	65.9	20.2	711	3.79	33.5	1.0	9.4	2.4	28.4	0.23	0.55	0.12	78	0.49
GS044	Silt	0.79	33.42	4.46	69.5	82	52.1	16.8	520	3.30	25.4	0.6	28.0	2.2	24.9	0.15	0.43	0.09	68	0.48
GS045	Silt	1.27	60.86	5.77	72.7	153	57.6	18.8	457	3.77	42.9	0.8	10.9	2.7	21.6	0.17	0.90	0.12	74	0.37
GS046	Silt	1.01	43.29	5.33	93.1	173	62.4	19.1	719	3.90	39.4	1.3	39.5	3.5	30.7	0.18	0.56	0.11	70	0.51
GS047	Silt	1.12	58.43	6.43	116.0	178	77.4	23.8	808	4.35	45.5	1.3	10.3	3.2	28.2	0.21	0.58	0.14	71	0.44
GS048	Silt	1.11	53.74	6.32	116.8	188	78.3	23.6	774	4.35	44.3	1.4	9.3	3.7	27.9	0.26	0.45	0.13	67	0.44
GS049	Silt	0.31	7.50	2.00	43.3	25	10.1	6.7	212	1.81	3.5	0.9	3.9	3.6	25.2	0.05	0.13	0.03	38	0.58
GS050	Silt	0.50	12.71	2.25	55.3	32	23.8	9.6	289	2.21	4.9	0.7	1.8	4.1	25.5	0.06	0.13	0.03	55	0.56
GS051	Silt	0.34	10.00	2.08	48.8	22	17.2	8.4	241	1.98	3.5	1.0	0.8	4.5	26.5	0.06	0.12	0.02	46	0.65
GS052	Silt	0.36	8.87	1.92	47.0	19	15.5	7.4	233	1.91	3.7	1.0	1.0	4.8	25.7	0.04	0.13	0.02	47	0.65
GS053	Silt	0.36	10.72	2.38	55.4	171	14.0	8.6	266	2.44	4.2	1.0	446.6	5.7	28.5	0.06	0.14	0.04	60	0.65
GS054	Silt	0.44	17.97	3.08	60.9	70	22.4	10.3	341	2.64	7.8	0.9	33.5	4.4	34.5	0.12	0.23	0.04	62	0.71
GS055	Silt	0.35	19.94	2.89	46.5	43	27.1	8.5	308	2.19	7.4	0.5	3.4	2.2	29.4	0.12	0.19	0.04	54	0.57
GS056	Silt	0.69	15.05	3.50	69.7	53	33.7	13.0	364	2.52	9.7	0.5	4.3	1.7	22.2	0.10	0.27	0.04	67	0.42
GS057	Silt	1.30	27.17	4.40	82.8	82	46.1	18.2	538	3.11	10.9	0.5	17.9	1.1	25.7	0.19	0.28	0.04	96	0.42
GS058	Silt	0.96	36.82	6.14	86.3	98	67.7	20.3	926	3.87	64.3	0.5	6.9	0.9	14.8	0.14	0.84	0.09	106	0.31
GS059	Silt	0.88	36.32	5.58	92.5	123	65.7	19.4	529	3.97	52.3	0.6	8.6	1.2	19.4	0.13	0.57	0.11	111	0.38
GS060	Silt	0.76	15.37	3.67	67.2	58	25.7	13.3	421	2.71	12.0	0.7	1.7	1.8	21.3	0.11	0.22	0.07	65	0.45



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	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te	Ga	Cs	Ge
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm
		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1
GS031	Silt	7.1	63.6	0.95	176.4	0.094	1	1.86	0.009	0.31	0.4	6.5	0.19	0.03	26	0.4	0.08	5.7	2.12	<0.1
GS032	Silt	7.1	70.9	1.06	222.1	0.111	1	2.18	0.008	0.42	0.3	7.5	0.25	0.03	11	0.3	0.06	6.7	2.82	<0.1
GS033	Silt	6.0	67.7	1.01	196.6	0.109	2	2.10	0.008	0.39	0.3	7.5	0.23	0.03	19	0.4	0.04	6.3	2.67	<0.1
GS034	Silt	5.5	57.9	0.99	170.2	0.105	<1	2.00	0.009	0.38	<0.1	6.8	0.21	<0.02	14	0.2	0.03	6.3	2.50	0.1
GS035	Silt	6.2	67.4	0.93	161.7	0.091	1	1.86	0.006	0.28	0.3	6.6	0.18	0.02	15	0.3	0.04	5.9	2.34	<0.1
GS036	Silt	6.3	74.1	1.04	167.3	0.094	2	2.24	0.005	0.30	0.4	7.0	0.20	0.03	16	0.3	0.02	6.9	2.78	<0.1
GS037	Silt	9.7	63.9	1.07	130.8	0.094	2	1.99	0.008	0.26	0.4	6.5	0.15	0.02	19	0.4	0.04	6.7	2.30	<0.1
GS038	Silt	10.5	68.9	1.16	159.0	0.094	2	2.25	0.009	0.29	0.3	7.2	0.18	0.03	21	0.4	0.06	7.0	2.70	0.1
GS039	Silt	6.3	45.9	0.78	117.5	0.084	2	1.46	0.009	0.28	0.2	5.1	0.14	<0.02	9	<0.1	0.05	4.6	1.57	<0.1
GS040	Silt	9.0	57.3	0.99	116.8	0.090	3	1.84	0.007	0.24	0.8	5.9	0.15	0.02	<5	0.5	0.05	5.8	2.12	0.1
GS041	Silt	8.4	74.4	1.28	156.2	0.126	2	2.22	0.009	0.34	0.4	7.8	0.18	0.02	7	0.6	0.04	6.9	2.60	<0.1
GS042	Silt	9.9	68.1	1.14	149.8	0.108	2	2.26	0.009	0.29	0.4	7.7	0.16	0.03	18	0.8	0.07	7.1	2.70	0.2
GS043	Silt	10.5	59.4	1.01	134.4	0.089	2	1.99	0.008	0.25	0.2	6.4	0.16	0.02	22	0.5	0.09	6.4	2.33	0.1
GS044	Silt	8.8	50.0	0.85	96.3	0.075	<1	1.63	0.007	0.19	0.2	5.0	0.12	<0.02	<5	0.1	0.05	5.2	1.80	<0.1
GS045	Silt	9.9	57.0	0.93	141.5	0.081	1	1.96	0.007	0.29	0.1	7.0	0.18	0.02	<5	0.5	0.06	5.9	2.12	<0.1
GS046	Silt	14.1	55.4	0.97	86.8	0.062	<1	1.85	0.005	0.15	<0.1	4.6	0.12	0.02	17	0.4	0.05	6.2	2.10	<0.1
GS047	Silt	14.8	61.4	1.16	90.2	0.056	<1	2.22	0.005	0.16	0.1	5.4	0.14	0.03	10	0.6	0.07	6.8	2.45	<0.1
GS048	Silt	16.6	62.4	1.17	73.7	0.045	1	2.21	0.005	0.10	0.1	4.4	0.11	0.03	14	0.6	0.03	6.7	1.99	0.2
GS049	Silt	17.2	22.1	0.50	146.6	0.140	<1	1.01	0.018	0.25	0.2	2.7	0.14	<0.02	<5	0.2	<0.02	4.4	1.03	0.1
GS050	Silt	15.6	35.0	0.64	145.9	0.152	<1	1.15	0.017	0.24	0.7	3.3	0.16	<0.02	6	0.3	<0.02	5.0	1.24	<0.1
GS051	Silt	19.3	29.7	0.58	144.8	0.138	<1	1.11	0.018	0.24	0.5	3.1	0.14	<0.02	<5	0.2	0.02	4.6	1.08	0.1
GS052	Silt	21.6	28.2	0.52	131.2	0.134	<1	1.00	0.018	0.21	0.7	2.8	0.13	<0.02	<5	0.2	<0.02	4.5	1.02	0.2
GS053	Silt	26.9	23.7	0.62	170.5	0.172	<1	1.11	0.020	0.22	0.6	2.5	0.14	<0.02	<5	0.2	0.03	5.3	1.38	<0.1
GS054	Silt	19.7	35.5	0.77	179.1	0.154	<1	1.36	0.022	0.26	0.7	3.1	0.16	<0.02	15	0.3	<0.02	5.3	1.12	0.1
GS055	Silt	8.8	37.8	0.58	53.5	0.069	<1	1.00	0.014	0.10	0.3	2.8	0.08	<0.02	7	0.4	<0.02	3.5	0.59	<0.1
GS056	Silt	8.3	51.4	0.72	106.0	0.117	<1	1.62	0.017	0.13	0.6	4.5	0.12	<0.02	9	0.1	<0.02	5.6	1.22	<0.1
GS057	Silt	7.5	68.9	0.80	148.8	0.162	<1	1.89	0.025	0.13	0.3	4.9	0.13	0.03	<5	0.4	0.08	7.0	1.30	<0.1
GS058	Silt	4.9	72.0	0.87	196.6	0.170	<1	2.30	0.009	0.45	0.2	7.9	0.22	<0.02	8	0.4	0.11	7.2	2.66	0.1
GS059	Silt	6.3	76.8	0.93	199.7	0.198	<1	2.37	0.013	0.40	0.4	8.3	0.20	0.02	19	0.5	0.02	8.1	2.70	<0.1
GS060	Silt	9.2	40.9	0.74	145.1	0.153	<1	1.47	0.017	0.19	0.3	4.2	0.15	<0.02	9	0.4	0.03	5.4	1.65	<0.1



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	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb
		0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10
GS031	Silt	1.26	25.0	0.6	<0.05	0.5	7.25	14.9	0.03	<1	0.3	23.9	<10
GS032	Silt	1.69	34.1	0.8	<0.05	0.5	7.12	14.6	0.03	1	0.3	28.9	<10
GS033	Silt	1.74	31.5	0.9	<0.05	0.5	5.61	12.7	0.02	<1	0.4	27.6	<10
GS034	Silt	1.47	31.4	0.7	<0.05	0.5	4.73	11.6	0.02	<1	0.3	26.6	<10
GS035	Silt	1.11	25.6	0.6	<0.05	0.4	5.28	12.8	0.02	<1	0.4	25.0	<10
GS036	Silt	1.21	29.2	0.7	<0.05	0.4	4.73	12.9	0.02	<1	0.3	29.3	<10
GS037	Silt	1.17	21.4	0.5	<0.05	0.5	8.55	19.9	0.02	1	0.4	30.6	<10
GS038	Silt	1.31	24.3	0.6	<0.05	0.5	8.45	20.7	0.04	<1	0.4	33.4	<10
GS039	Silt	0.92	18.0	0.4	<0.05	0.5	6.69	13.7	0.03	<1	0.3	22.4	<10
GS040	Silt	0.95	19.7	0.5	<0.05	0.3	7.38	17.6	<0.02	2	0.4	28.1	<10
GS041	Silt	1.33	24.7	0.7	<0.05	0.4	7.25	17.7	0.03	<1	0.5	32.7	11
GS042	Silt	1.42	23.9	0.8	<0.05	0.5	7.74	20.1	0.04	<1	0.5	33.0	<10
GS043	Silt	1.13	20.7	0.6	<0.05	0.5	7.91	21.0	<0.02	<1	0.4	29.7	<10
GS044	Silt	0.70	15.5	0.3	<0.05	0.4	7.95	18.5	0.03	2	0.4	25.4	<10
GS045	Silt	1.38	21.1	0.6	<0.05	1.2	7.52	21.1	0.03	<1	0.3	28.4	<10
GS046	Silt	0.67	15.2	0.4	<0.05	0.4	9.89	26.6	<0.02	2	0.2	33.2	<10
GS047	Silt	0.61	16.6	0.3	<0.05	0.4	9.78	28.6	0.03	2	0.4	40.5	<10
GS048	Silt	0.51	12.3	0.3	<0.05	0.3	10.36	32.7	0.02	2	0.3	42.9	<10
GS049	Silt	1.01	17.9	0.4	<0.05	0.4	8.37	33.8	<0.02	<1	0.1	12.9	<10
GS050	Silt	1.36	20.8	0.3	<0.05	0.5	7.67	31.2	<0.02	<1	0.2	16.3	<10
GS051	Silt	1.13	18.6	0.3	<0.05	0.5	9.63	38.8	<0.02	<1	0.2	14.6	<10
GS052	Silt	0.96	16.7	0.3	<0.05	0.4	10.25	41.2	0.02	4	0.1	13.7	14
GS053	Silt	1.13	19.9	0.4	<0.05	0.4	9.51	54.6	0.02	<1	0.1	14.3	<10
GS054	Silt	0.86	20.1	0.4	<0.05	0.9	9.24	39.1	0.02	3	0.3	16.2	11
GS055	Silt	0.62	8.9	0.1	<0.05	0.7	7.53	16.9	<0.02	2	<0.1	13.4	<10
GS056	Silt	1.00	14.2	0.3	<0.05	0.3	6.45	17.2	0.03	2	0.3	19.4	<10
GS057	Silt	1.40	14.8	0.3	<0.05	0.7	5.42	16.3	0.03	2	0.3	17.7	<10
GS058	Silt	1.01	32.3	0.6	<0.05	0.2	6.57	10.9	0.03	<1	0.7	30.8	<10
GS059	Silt	1.52	31.7	0.5	<0.05	0.5	6.55	13.5	0.03	<1	0.7	29.1	<10
GS060	Silt	1.42	23.0	0.5	<0.05	0.6	6.37	18.8	<0.02	2	0.3	19.2	<10



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	Method Analyte	Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
			Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V
			ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	%
			0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2
GS061	Silt		0.57	26.81	4.09	82.5	62	47.2	14.9	413	3.22	32.2	0.7	4.3	1.5	19.0	0.12	0.48	0.06	87
GS062	Silt		0.94	28.13	4.31	88.2	128	32.8	14.7	453	3.72	27.2	1.0	557.7	2.3	28.0	0.15	0.46	0.08	96
GS063	Silt		0.97	27.17	4.43	92.7	89	31.3	14.5	482	3.56	32.2	0.9	12.6	1.8	28.3	0.18	0.47	0.08	86
GS064	Silt		0.91	24.73	4.14	86.7	81	29.1	14.0	435	3.41	38.0	1.0	3.3	1.9	26.6	0.19	0.44	0.07	82
GS066	Silt		1.10	55.73	6.14	83.6	157	68.9	22.9	856	4.30	34.6	0.5	4.4	1.3	19.4	0.36	0.71	0.13	101
GS067	Silt		1.14	55.92	6.78	79.9	183	70.0	23.7	730	4.12	37.0	0.5	7.1	1.3	19.5	0.18	0.75	0.13	96
GS068	Silt		1.19	59.83	7.39	85.7	134	65.6	22.3	715	4.24	36.0	0.6	6.4	1.4	19.3	0.19	0.84	0.12	98
GS069	Silt		0.48	32.69	3.32	71.0	80	48.6	14.5	441	3.02	11.7	0.6	3.4	2.5	23.9	0.10	0.19	0.07	60
GS070	Silt		0.57	32.87	3.25	71.5	77	48.9	14.8	451	3.05	11.3	0.6	1.9	2.7	24.5	0.09	0.19	0.08	62
GS071	Silt		0.63	42.66	4.01	82.6	149	59.8	17.6	525	3.54	15.3	0.8	2.4	2.5	25.9	0.14	0.26	0.11	74
GS072	Silt		0.59	36.83	3.80	77.8	91	59.1	16.0	522	3.48	15.9	0.7	2.5	2.9	25.3	0.10	0.28	0.10	70
GS073	Silt		0.59	33.06	3.87	72.4	92	55.9	15.9	477	3.30	13.4	0.7	54.5	2.8	25.2	0.11	0.26	0.09	67
GS074	Silt		0.64	33.77	4.12	77.2	120	55.0	16.4	476	3.40	14.2	0.7	633.6	2.8	24.9	0.09	0.26	0.09	70
GS075	Silt		0.63	40.02	4.60	82.6	197	67.7	19.8	603	3.61	16.2	0.8	379.4	2.5	26.5	0.16	0.33	0.09	74
GS076	Silt		0.66	38.29	5.16	85.8	186	58.1	17.3	514	3.50	17.8	0.8	436.8	3.0	34.9	0.16	0.34	0.22	72
GS077	Silt		0.77	45.42	5.37	104.6	162	65.7	21.0	724	3.80	21.4	1.0	160.6	3.4	33.5	0.23	0.32	0.17	65
GS078	Silt		0.66	47.05	6.09	117.6	171	69.2	21.1	657	3.82	19.9	1.1	6.8	3.6	35.7	0.16	0.39	0.16	58
GS079	Silt		0.71	49.07	5.81	118.1	347	69.2	21.7	781	3.88	21.0	1.2	1316	4.0	35.4	0.22	0.39	0.16	63
GS080	Silt		0.94	54.24	6.91	66.8	157	71.5	19.6	480	3.97	22.5	0.5	6.7	1.1	29.8	0.12	0.52	0.16	105
GS081	Silt		1.13	69.05	8.61	83.5	202	72.0	22.8	619	4.43	27.3	0.6	10.9	1.2	30.3	0.19	0.71	0.18	114
GS083	Silt		0.95	48.37	6.31	75.4	107	52.0	16.5	483	3.55	23.5	0.5	17.7	1.3	26.6	0.17	2.43	0.14	91
GS085	Silt		0.71	40.21	5.62	97.4	155	65.3	17.2	578	3.53	32.7	0.7	7.0	1.6	38.0	0.39	1.13	0.11	92
GS087	Silt		0.88	39.47	5.67	89.2	153	48.1	16.7	540	3.64	38.7	0.6	7.4	1.2	21.3	0.27	1.72	0.13	94
GS088	Silt		0.70	65.80	5.07	114.9	149	73.6	23.6	630	4.74	17.1	0.9	11.8	4.4	28.4	0.16	0.28	0.15	93
GS089	Silt		0.45	33.44	3.31	69.8	77	44.1	14.7	402	2.92	9.2	0.5	3.0	2.3	24.1	0.11	0.17	0.08	59
GS090	Silt		0.51	37.25	3.79	81.8	92	48.3	15.7	494	3.17	11.3	0.7	2.3	2.8	28.2	0.19	0.17	0.08	66
GS091	Silt		0.52	35.08	3.46	77.1	87	47.0	15.7	490	3.26	11.2	0.6	2.0	2.6	24.8	0.13	0.17	0.08	68
GS092	Silt		0.52	35.26	3.40	75.4	94	47.7	15.8	573	3.31	17.4	0.6	55.9	2.8	25.4	0.10	0.14	0.08	69
GS093	Silt		0.77	56.88	5.06	101.9	176	70.6	22.6	679	4.03	16.6	0.9	4.8	2.5	26.3	0.27	0.26	0.11	78
GS094	Silt		0.68	52.06	4.66	101.0	157	64.4	20.5	605	3.80	14.0	0.7	375.9	2.3	24.2	0.18	0.20	0.09	73



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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1F30 La ppm 0.5	1F30 Cr ppm 0.5	1F30 Mg % 0.01	1F30 Ba ppm 0.5	1F30 Ti % 0.001	1F30 B ppm 1	1F30 Al % 0.01	1F30 Na % 0.001	1F30 K % 0.01	1F30 W ppm 0.1	1F30 Sc ppm 0.1	1F30 Ti ppm 0.02	1F30 S % 0.02	1F30 Hg ppb 5	1F30 Se ppm 0.1	1F30 Te ppm 0.02	1F30 Ga ppm 0.1	1F30 Cs ppm 0.02	1F30 Ge ppm 0.1	1F30 Hf ppm 0.02
GS061	Silt	7.5	61.1	0.83	167.0	0.175	<1	1.91	0.015	0.34	0.9	6.3	0.17	<0.02	<5	0.4	0.02	6.5	2.06	0.1	0.02
GS062	Silt	11.9	53.8	0.76	240.3	0.178	<1	1.97	0.021	0.35	5.2	6.4	0.19	<0.02	<5	0.3	0.04	7.0	2.14	<0.1	0.02
GS063	Silt	9.8	52.5	0.80	249.4	0.192	<1	1.99	0.022	0.38	1.3	6.6	0.21	0.02	7	0.4	0.04	7.0	2.26	0.1	<0.02
GS064	Silt	9.4	51.0	0.77	228.0	0.188	<1	1.87	0.021	0.37	1.7	5.9	0.20	<0.02	<5	0.5	0.04	6.8	2.15	<0.1	<0.02
GS066	Silt	5.8	66.3	1.01	203.4	0.125	<1	2.26	0.009	0.43	0.2	8.3	0.25	0.03	16	0.7	0.02	7.2	3.37	0.1	0.03
GS067	Silt	6.2	64.7	0.98	177.8	0.116	<1	2.18	0.008	0.40	0.2	8.0	0.25	0.03	35	0.5	0.05	7.5	3.52	<0.1	<0.02
GS068	Silt	6.5	64.8	0.98	187.4	0.118	<1	2.18	0.009	0.40	0.2	8.2	0.24	0.03	<5	0.5	<0.02	7.3	3.41	<0.1	<0.02
GS069	Silt	8.3	53.8	0.92	83.4	0.069	<1	1.69	0.005	0.19	0.2	4.4	0.14	<0.02	<5	0.4	0.03	5.6	1.61	<0.1	<0.02
GS070	Silt	8.7	54.2	0.90	85.4	0.070	<1	1.66	0.005	0.19	0.1	4.4	0.13	<0.02	10	0.5	<0.02	5.4	1.63	0.1	<0.02
GS071	Silt	9.6	65.2	1.06	108.7	0.086	<1	2.00	0.005	0.23	<0.1	5.6	0.16	0.02	8	0.6	0.08	6.6	2.12	<0.1	<0.02
GS072	Silt	9.4	62.3	1.02	95.1	0.082	<1	1.86	0.005	0.24	0.2	5.2	0.16	<0.02	<5	0.5	0.06	6.6	1.95	0.2	<0.02
GS073	Silt	9.5	59.2	0.92	86.7	0.075	<1	1.74	0.004	0.20	0.3	4.8	0.13	<0.02	7	0.4	0.03	5.7	1.89	0.1	<0.02
GS074	Silt	9.5	60.8	0.93	91.7	0.077	<1	1.80	0.005	0.20	0.5	4.8	0.14	<0.02	5	0.3	0.05	6.0	1.94	0.1	<0.02
GS075	Silt	10.2	68.0	0.98	93.9	0.079	<1	1.91	0.005	0.21	0.3	5.1	0.17	0.02	16	0.5	0.06	6.4	2.10	0.2	0.02
GS076	Silt	11.1	57.2	0.92	97.5	0.083	2	1.78	0.006	0.19	0.2	5.0	0.13	<0.02	16	0.2	0.04	6.1	2.00	<0.1	<0.02
GS077	Silt	13.8	56.6	1.03	81.8	0.058	<1	1.98	0.006	0.13	<0.1	4.3	0.12	0.03	23	0.2	0.07	6.0	1.95	<0.1	<0.02
GS078	Silt	17.0	54.3	1.05	79.5	0.042	<1	2.02	0.007	0.08	<0.1	4.0	0.10	0.03	25	0.2	0.04	6.4	1.90	<0.1	<0.02
GS079	Silt	17.4	55.6	1.03	75.9	0.049	<1	2.00	0.006	0.09	<0.1	3.9	0.11	0.03	28	0.2	<0.02	6.2	1.93	<0.1	<0.02
GS080	Silt	5.9	78.9	1.18	224.8	0.135	1	2.28	0.011	0.44	0.3	8.5	0.22	0.04	21	0.3	0.08	7.4	3.10	<0.1	<0.02
GS081	Silt	6.9	71.5	1.17	268.9	0.141	<1	2.58	0.013	0.52	0.3	9.7	0.26	0.04	28	0.2	0.10	8.3	3.74	<0.1	<0.02
GS083	Silt	5.9	52.4	0.77	241.4	0.140	<1	1.79	0.011	0.46	0.2	8.0	0.20	0.02	18	<0.1	0.04	6.4	2.93	<0.1	<0.02
GS085	Silt	7.8	79.3	0.93	278.6	0.154	<1	2.15	0.017	0.39	0.6	7.6	0.21	0.03	36	0.3	0.05	6.9	2.40	<0.1	<0.02
GS087	Silt	6.1	60.3	0.75	233.7	0.135	2	2.06	0.007	0.37	0.3	7.4	0.20	<0.02	22	0.3	0.08	7.3	2.50	<0.1	<0.02
GS088	Silt	12.6	78.4	1.50	155.3	0.120	4	2.68	0.015	0.42	0.2	7.1	0.21	<0.02	21	0.4	0.05	8.6	2.48	0.2	0.07
GS089	Silt	8.3	48.9	0.88	78.0	0.067	1	1.66	0.004	0.16	<0.1	4.1	0.12	<0.02	16	0.3	0.05	5.2	1.58	<0.1	<0.02
GS090	Silt	9.8	51.1	0.91	89.5	0.078	<1	1.73	0.004	0.16	0.1	4.6	0.14	<0.02	10	0.2	0.02	5.5	1.76	0.1	<0.02
GS091	Silt	8.9	52.2	0.93	87.7	0.083	<1	1.74	0.004	0.17	<0.1	4.3	0.12	<0.02	14	0.2	0.06	5.6	1.74	<0.1	<0.02
GS092	Silt	8.9	55.0	0.96	98.2	0.087	<1	1.79	0.005	0.22	0.2	4.9	0.14	<0.02	6	0.2	0.04	6.2	1.86	0.2	<0.02
GS093	Silt	11.3	70.1	1.25	120.5	0.081	1	2.37	0.006	0.20	<0.1	5.6	0.18	0.04	12	0.3	0.06	7.4	2.28	<0.1	<0.02
GS094	Silt	9.8	65.5	1.16	110.7	0.084	<1	2.17	0.006	0.19	<0.1	5.0	0.17	0.03	18	0.3	0.03	7.2	2.04	0.1	<0.02



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	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb
		0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10
GS061	Silt	1.04	26.9	0.5	<0.05	0.3	7.93	17.0	0.04	<1	0.4	24.4	<10
GS062	Silt	1.22	29.5	0.4	<0.05	0.3	9.19	25.0	0.03	2	0.6	22.4	<10
GS063	Silt	1.45	32.4	0.4	<0.05	0.5	7.86	20.7	0.04	<1	0.5	23.3	<10
GS064	Silt	1.37	31.9	0.4	<0.05	0.3	8.05	20.2	0.03	4	0.3	22.3	<10
GS066	Silt	1.30	33.2	0.7	<0.05	0.5	5.65	13.0	0.04	2	0.6	29.6	<10
GS067	Silt	1.21	32.9	0.8	<0.05	0.5	5.76	13.7	0.04	3	0.6	29.9	<10
GS068	Silt	1.19	32.9	0.9	<0.05	0.5	6.21	13.2	0.04	2	0.6	28.7	<10
GS069	Silt	0.55	16.7	0.3	<0.05	0.2	8.17	17.8	0.03	<1	0.3	29.0	<10
GS070	Silt	0.59	17.7	0.3	<0.05	0.2	7.93	17.4	0.02	<1	0.2	28.6	<10
GS071	Silt	0.88	20.4	0.4	<0.05	0.2	8.41	19.7	0.02	<1	0.4	32.1	<10
GS072	Silt	0.57	21.2	0.6	<0.05	0.2	8.33	19.2	<0.02	<1	0.3	32.8	<10
GS073	Silt	0.58	18.0	0.3	<0.05	0.1	8.38	19.5	0.04	<1	0.2	29.7	<10
GS074	Silt	0.67	18.3	0.5	<0.05	0.2	8.39	20.3	0.03	2	0.2	30.5	<10
GS075	Silt	0.75	20.5	0.4	<0.05	0.2	9.19	21.3	0.02	<1	0.3	31.0	<10
GS076	Silt	0.73	18.8	0.4	<0.05	0.3	9.63	22.5	0.04	2	0.3	33.3	<10
GS077	Silt	0.58	14.6	0.3	<0.05	0.3	9.58	27.4	<0.02	2	0.3	42.2	<10
GS078	Silt	0.48	11.2	0.6	<0.05	0.3	10.56	31.5	0.02	1	0.3	43.2	<10
GS079	Silt	0.53	12.2	0.2	<0.05	0.3	10.70	33.9	<0.02	<1	0.4	42.7	<10
GS080	Silt	1.56	34.9	1.0	<0.05	0.5	5.35	12.3	0.04	<1	0.5	32.6	<10
GS081	Silt	1.57	43.0	0.9	<0.05	0.6	6.01	14.5	0.05	<1	0.6	36.2	<10
GS083	Silt	0.92	32.6	0.6	<0.05	0.5	7.46	12.6	0.04	2	0.5	26.4	<10
GS085	Silt	1.79	30.7	0.6	<0.05	0.9	8.22	17.0	0.03	<1	0.6	30.6	<10
GS087	Silt	0.95	29.4	0.5	<0.05	0.4	7.91	13.7	0.07	<1	0.6	29.3	<10
GS088	Silt	0.60	28.0	0.3	<0.05	2.1	9.19	28.2	0.02	<1	0.2	46.1	<10
GS089	Silt	0.52	15.4	0.3	<0.05	0.2	7.39	17.2	0.02	<1	0.1	30.7	<10
GS090	Silt	0.55	16.8	0.3	<0.05	0.2	9.02	21.0	0.04	<1	0.2	33.0	<10
GS091	Silt	0.59	16.7	0.3	<0.05	0.1	8.06	18.9	0.02	<1	0.2	33.5	<10
GS092	Silt	0.48	19.1	0.4	<0.05	0.2	7.94	19.4	<0.02	<1	0.1	32.7	<10
GS093	Silt	0.76	20.8	0.4	<0.05	0.3	8.47	23.7	0.02	<1	0.2	41.7	<10
GS094	Silt	0.64	19.5	0.3	<0.05	0.3	7.59	21.0	0.02	<1	0.3	39.5	<10



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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01
GS095	Silt	0.54	38.98	3.86	80.7	112	50.8	16.0	525	3.13	10.8	0.7	78.6	2.6	26.3	0.18	0.17	0.08	61	0.42
GS096	Silt	0.70	50.15	4.70	103.7	128	60.9	19.9	640	3.68	13.5	0.8	5.1	2.6	25.5	0.25	0.21	0.09	64	0.37
GS097	Silt	0.53	40.82	3.84	86.9	107	52.3	16.7	511	3.38	11.3	0.7	1.2	2.6	23.3	0.18	0.17	0.11	58	0.36
GS098	Silt	0.82	52.03	4.09	98.7	116	55.5	18.6	437	3.92	11.8	1.2	10.6	3.6	26.7	0.15	0.26	0.11	76	0.39
GS099	Silt	0.89	65.00	4.57	118.0	118	67.5	19.9	587	3.97	13.1	1.1	7.8	4.2	26.8	0.20	0.34	0.16	67	0.37
GS100	Silt	0.86	61.32	4.91	113.5	123	66.3	19.4	585	4.07	13.6	1.1	5.2	4.3	28.6	0.16	0.36	0.13	69	0.39
GS101	Silt	1.02	60.92	5.14	112.2	115	62.1	19.2	651	4.01	11.4	1.0	3.5	3.9	24.4	0.18	0.31	0.15	68	0.30
GS102	Silt	0.52	32.19	3.50	76.3	96	44.6	14.1	482	2.85	9.8	0.7	114.7	3.1	26.9	0.12	0.16	0.06	50	0.44
GS103	Silt	0.41	26.27	3.21	70.9	92	39.5	12.7	445	2.74	9.0	0.6	714.3	2.6	23.6	0.13	0.14	0.05	48	0.39
GS104	Silt	0.46	33.24	3.53	79.8	80	45.6	15.0	461	2.93	9.6	0.5	5.8	2.1	19.8	0.13	0.15	0.04	46	0.31
GS105	Silt	0.96	63.72	4.67	102.3	140	80.0	24.1	563	3.64	11.7	0.9	6.8	2.3	20.0	0.24	0.28	0.11	76	0.34
GS106	Silt	0.81	52.21	3.95	85.1	148	60.7	18.9	423	3.22	9.8	0.8	6.8	2.3	19.3	0.12	0.22	0.08	68	0.30
GS107	Silt	0.85	57.29	4.71	102.4	158	75.0	22.4	587	3.62	11.8	0.9	5.2	2.5	21.3	0.27	0.27	0.09	76	0.33
GS108	Silt	1.25	69.39	6.14	106.6	181	95.5	28.1	715	3.63	23.1	1.0	4.9	2.3	19.3	0.21	0.44	0.11	72	0.28
GS109	Silt	0.77	59.34	4.84	105.5	264	75.5	19.5	454	3.38	12.9	1.1	7.1	2.3	20.3	0.10	0.31	0.09	70	0.29
GS110	Silt	0.84	50.09	4.19	97.1	96	64.3	20.2	446	3.40	7.8	0.7	2.3	2.1	17.5	0.14	0.22	0.08	72	0.25
GS111	Silt	0.98	72.10	4.70	110.3	103	80.4	25.3	604	3.44	17.0	1.1	10.7	3.9	24.2	0.18	0.45	0.10	58	0.36
GS112	Silt	0.89	61.81	5.25	97.7	137	74.9	22.4	615	3.50	23.8	0.9	3.0	2.6	19.8	0.28	0.51	0.09	69	0.27
GS113	Silt	0.69	50.08	4.61	71.6	83	69.2	22.0	447	3.34	18.2	0.3	4.9	0.8	33.6	0.10	0.18	0.05	102	0.54
GS114	Silt	0.79	57.31	5.17	75.2	106	74.0	24.5	559	3.63	20.4	0.4	5.0	0.8	32.3	0.09	0.22	0.06	111	0.49
GS115	Silt	0.63	48.66	4.21	67.1	80	68.7	20.7	441	3.23	16.5	0.4	4.7	0.8	32.9	0.11	0.17	0.05	101	0.58
GS116	Silt	0.52	41.32	3.95	64.3	84	50.1	17.1	422	3.10	15.2	0.3	53.4	0.8	17.9	0.11	0.15	0.05	90	0.38
GS117	Silt	0.78	60.24	4.45	127.6	150	80.6	31.0	533	3.69	27.6	0.8	8.9	1.8	20.9	0.21	0.20	0.06	86	0.39
GS118	Silt	0.59	45.44	4.08	84.5	88	49.9	17.8	351	3.21	20.6	0.6	7.0	1.7	17.5	0.09	0.20	0.05	80	0.33
GS119	Silt	0.35	34.50	2.86	63.3	62	43.6	13.6	276	2.74	9.0	0.5	2.6	2.0	18.1	0.09	0.10	0.04	60	0.35
GS120	Silt	0.45	43.57	3.50	79.1	88	46.0	13.7	348	2.82	16.1	0.6	5.1	2.2	19.6	0.10	0.13	0.03	61	0.33
GS121	Silt	0.53	41.79	3.60	80.4	91	46.9	14.5	405	3.07	20.0	0.7	14.3	3.2	23.6	0.13	0.15	0.07	66	0.41
GS122	Silt	0.52	40.65	3.70	77.6	85	47.7	14.6	358	2.85	18.3	0.7	4.3	2.7	22.3	0.14	0.16	0.06	61	0.37
GS123	Silt	0.58	44.00	3.65	86.9	76	49.5	14.1	402	3.02	22.0	0.8	4.3	3.3	22.0	0.19	0.20	0.08	62	0.36
GS124	Silt	2.57	80.43	8.03	106.6	291	85.8	46.0	1853	5.74	77.4	1.4	5.7	1.6	30.5	0.26	0.56	0.14	114	0.43



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	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te	Ga	Cs	Ge
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm
		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1
GS095	Silt	10.0	52.6	0.90	81.4	0.072	1	1.70	0.004	0.14	<0.1	4.0	0.12	0.02	17	0.2	0.05	5.5	1.60	<0.1
GS096	Silt	11.0	60.1	1.13	97.2	0.067	<1	2.07	0.005	0.13	<0.1	4.3	0.13	0.03	29	0.3	0.03	6.3	1.69	<0.1
GS097	Silt	10.0	51.8	1.05	76.0	0.059	<1	1.89	0.004	0.11	<0.1	3.6	0.07	0.02	14	0.4	0.02	5.4	1.40	<0.1
GS098	Silt	18.0	49.3	0.93	55.6	0.083	2	1.76	0.006	0.16	<0.1	4.0	0.17	0.03	6	0.9	0.10	6.2	2.36	0.3
GS099	Silt	15.7	52.8	1.04	63.3	0.060	<1	2.00	0.006	0.17	<0.1	4.7	0.18	0.03	6	0.4	0.09	6.5	2.66	<0.1
GS100	Silt	16.1	49.3	0.98	54.9	0.058	<1	1.90	0.006	0.14	<0.1	4.1	0.16	0.03	6	0.4	0.11	6.3	2.43	0.1
GS101	Silt	16.0	47.3	0.99	54.1	0.056	<1	1.96	0.007	0.12	<0.1	4.3	0.14	0.04	13	0.4	<0.02	6.0	2.30	<0.1
GS102	Silt	9.9	44.3	0.83	52.2	0.058	<1	1.47	0.003	0.08	<0.1	3.0	0.07	<0.02	8	0.2	0.04	4.7	1.06	<0.1
GS103	Silt	8.5	41.6	0.83	55.1	0.053	<1	1.45	0.003	0.06	<0.1	2.7	0.06	<0.02	27	<0.1	0.04	4.5	0.82	<0.1
GS104	Silt	7.6	45.6	0.93	70.3	0.044	<1	1.62	0.002	0.07	<0.1	2.9	0.07	<0.02	16	0.2	<0.02	4.9	0.89	<0.1
GS105	Silt	11.2	64.9	1.04	96.3	0.090	<1	2.03	0.005	0.21	<0.1	5.1	0.22	0.03	22	0.5	0.07	6.5	2.78	0.1
GS106	Silt	10.6	54.7	0.88	76.5	0.081	<1	1.69	0.005	0.16	<0.1	4.4	0.17	<0.02	9	0.4	0.04	5.7	2.39	<0.1
GS107	Silt	11.4	65.2	1.01	87.4	0.083	<1	1.98	0.005	0.17	<0.1	4.8	0.20	0.03	25	0.3	0.03	6.4	2.53	0.1
GS108	Silt	14.6	80.0	1.08	80.7	0.072	1	2.01	0.005	0.15	<0.1	5.1	0.19	0.03	13	0.3	0.05	6.2	2.81	<0.1
GS109	Silt	13.6	63.4	1.00	73.1	0.078	<1	1.95	0.005	0.15	<0.1	4.6	0.17	0.03	17	0.4	0.07	5.9	2.65	<0.1
GS110	Silt	8.9	61.5	1.00	79.4	0.085	<1	1.98	0.005	0.15	<0.1	4.3	0.20	0.02	<5	0.3	0.04	6.3	2.48	<0.1
GS111	Silt	14.4	59.8	0.91	57.5	0.057	<1	1.68	0.006	0.12	<0.1	3.8	0.15	0.03	9	0.2	0.06	5.2	2.27	0.1
GS112	Silt	12.5	95.7	1.05	74.7	0.067	<1	1.85	0.005	0.11	<0.1	4.3	0.13	0.04	11	0.2	0.06	5.8	2.33	<0.1
GS113	Silt	4.5	111.1	1.08	213.8	0.162	1	2.48	0.037	0.39	0.2	7.5	0.20	0.02	<5	0.4	0.02	8.1	2.36	<0.1
GS114	Silt	4.7	114.2	1.17	230.3	0.179	<1	2.61	0.031	0.42	0.2	8.1	0.25	0.03	15	0.1	0.02	8.4	2.64	0.2
GS115	Silt	4.6	103.0	0.99	209.9	0.162	<1	2.24	0.037	0.37	0.1	7.0	0.18	0.02	12	0.1	0.04	7.6	2.16	<0.1
GS116	Silt	4.2	65.8	0.83	193.7	0.148	<1	1.89	0.012	0.40	0.2	6.7	0.19	<0.02	16	0.2	0.02	7.0	2.22	<0.1
GS117	Silt	13.6	70.4	1.16	118.6	0.121	<1	2.13	0.008	0.21	<0.1	5.4	0.19	0.03	15	0.3	0.03	7.6	2.79	<0.1
GS118	Silt	8.8	59.6	0.96	91.7	0.109	<1	1.79	0.007	0.16	<0.1	4.3	0.14	0.02	<5	<0.1	0.07	6.3	1.90	<0.1
GS119	Silt	7.2	50.9	0.88	98.3	0.088	<1	1.65	0.004	0.18	0.1	4.6	0.15	<0.02	9	0.1	<0.02	5.1	1.82	<0.1
GS120	Silt	8.8	56.9	0.90	96.0	0.097	<1	1.63	0.004	0.18	<0.1	4.4	0.15	<0.02	11	<0.1	<0.02	5.4	1.99	<0.1
GS121	Silt	9.7	56.8	0.96	88.5	0.089	<1	1.74	0.004	0.18	<0.1	4.8	0.15	<0.02	11	0.2	0.04	5.6	1.88	0.1
GS122	Silt	9.3	52.9	0.87	85.3	0.085	<1	1.62	0.005	0.16	<0.1	4.2	0.14	<0.02	9	0.1	0.04	5.3	1.81	0.1
GS123	Silt	9.7	56.2	0.96	90.5	0.081	<1	1.73	0.004	0.17	<0.1	4.4	0.14	<0.02	7	0.2	0.04	5.6	1.92	0.1
GS124	Silt	17.9	55.4	0.84	115.9	0.095	3	2.01	0.010	0.12	0.1	4.9	0.23	0.12	72	1.0	0.12	6.3	2.59	0.2



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	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb
		0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10
GS095	Silt	0.47	14.3	0.3	<0.05	0.2	8.47	20.9	<0.02	<1	0.1	30.2	<10
GS096	Silt	0.49	14.6	0.3	<0.05	0.2	8.43	23.2	<0.02	<1	0.2	39.6	<10
GS097	Silt	0.40	11.1	0.1	<0.05	0.2	7.62	21.3	<0.02	<1	0.2	33.1	<10
GS098	Silt	0.70	19.7	0.3	<0.05	<0.1	12.02	32.3	0.04	<1	0.3	39.1	<10
GS099	Silt	0.45	21.6	0.3	<0.05	0.1	10.40	33.6	0.04	<1	0.2	46.5	<10
GS100	Silt	0.35	18.3	0.2	<0.05	0.1	11.24	34.9	<0.02	<1	0.2	41.7	<10
GS101	Silt	0.39	15.8	0.3	<0.05	0.1	9.73	33.9	<0.02	<1	0.4	40.6	<10
GS102	Silt	0.26	8.2	0.2	<0.05	0.2	8.23	21.8	<0.02	<1	0.2	27.6	<10
GS103	Silt	0.23	6.4	0.2	<0.05	0.2	7.15	18.0	<0.02	<1	0.2	25.3	<10
GS104	Silt	0.23	6.8	0.1	<0.05	0.2	5.90	15.5	<0.02	<1	0.2	28.1	<10
GS105	Silt	0.74	25.1	0.4	<0.05	0.3	9.03	25.1	0.03	<1	0.3	39.0	<10
GS106	Silt	0.56	21.3	0.3	<0.05	0.2	8.82	21.3	<0.02	<1	0.2	34.0	<10
GS107	Silt	0.60	21.3	0.3	<0.05	0.2	8.88	26.5	0.02	<1	0.4	37.1	<10
GS108	Silt	0.55	20.9	0.3	<0.05	0.2	10.54	28.9	0.02	<1	0.3	39.7	<10
GS109	Silt	0.65	20.0	0.4	<0.05	0.3	10.63	26.2	<0.02	<1	0.4	39.2	<10
GS110	Silt	0.60	21.3	0.3	<0.05	0.2	6.66	20.0	0.03	<1	0.3	37.9	<10
GS111	Silt	0.40	16.0	0.2	<0.05	0.3	10.82	34.3	<0.02	<1	0.2	36.8	<10
GS112	Silt	0.42	14.4	0.3	<0.05	0.2	8.08	27.9	0.03	<1	0.3	35.9	<10
GS113	Silt	0.94	30.3	0.7	<0.05	0.2	4.98	9.7	0.03	<1	0.5	29.4	<10
GS114	Silt	1.20	33.7	0.8	<0.05	0.3	4.87	10.3	0.04	<1	0.6	32.4	<10
GS115	Silt	0.85	27.2	0.5	<0.05	0.3	6.32	10.6	0.02	<1	0.4	27.0	<10
GS116	Silt	0.81	27.5	0.7	<0.05	0.3	6.31	9.7	0.03	<1	0.5	27.7	<10
GS117	Silt	0.68	21.6	0.4	<0.05	0.2	9.54	28.3	<0.02	<1	0.3	42.0	<10
GS118	Silt	0.47	16.1	0.3	<0.05	0.1	6.30	19.2	<0.02	<1	0.2	29.5	<10
GS119	Silt	0.40	16.8	0.3	<0.05	0.1	5.94	15.1	<0.02	<1	0.2	25.3	<10
GS120	Silt	0.62	18.1	0.3	<0.05	0.1	6.65	20.8	0.02	<1	0.2	30.6	<10
GS121	Silt	0.44	18.4	0.3	<0.05	<0.1	7.88	24.8	<0.02	<1	0.2	32.8	<10
GS122	Silt	0.50	17.5	0.2	<0.05	0.1	6.99	21.4	0.02	<1	0.1	29.0	<10
GS123	Silt	0.47	18.4	0.3	<0.05	0.1	7.44	24.2	0.03	<1	0.1	32.3	<10
GS124	Silt	0.73	18.3	0.5	<0.05	0.4	14.81	42.7	0.04	<1	0.1	24.4	<10



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	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01
GS125	Silt	0.62	52.18	4.06	103.8	116	58.6	17.8	475	3.55	26.4	0.8	2.2	3.1	21.2	0.15	0.20	0.08	74	0.35
GS126	Silt	0.54	29.97	3.61	67.6	114	40.0	11.2	265	2.65	14.2	0.8	1.9	2.2	23.8	0.08	0.15	0.06	59	0.36
GS127	Silt	0.57	41.16	3.34	49.8	81	51.3	15.6	303	2.93	9.4	0.4	1.6	1.6	18.9	0.14	0.16	0.08	78	0.35
GS128	Silt	0.59	37.44	3.77	62.8	89	42.6	14.3	405	3.05	10.4	0.5	25.8	2.0	19.1	0.18	0.17	0.07	79	0.36
GS129	Silt	0.60	52.67	3.97	56.6	140	58.6	17.1	289	2.96	29.1	0.4	72.1	1.2	20.8	0.11	0.21	0.07	87	0.44
GS130	Silt	0.63	74.11	4.86	82.8	129	86.4	24.6	392	3.76	34.3	0.4	33.7	1.3	23.2	0.12	0.22	0.08	118	0.49
GS131	Silt	0.55	41.07	3.76	66.4	168	45.2	15.3	388	3.23	27.1	0.5	158.7	1.7	21.8	0.14	0.12	0.10	88	0.44
GS132	Silt	0.64	57.83	4.68	98.1	136	66.4	18.3	337	3.24	37.3	0.6	6.4	2.1	20.7	0.11	0.18	0.08	73	0.30
GS133	Silt	0.73	56.14	4.66	85.2	112	55.2	15.9	279	3.09	33.5	0.6	10.0	2.1	19.8	0.11	0.20	0.11	68	0.29
GS134	Silt	0.48	35.67	3.64	55.6	75	40.9	13.3	287	2.78	22.3	0.5	3.1	1.5	18.3	0.11	0.11	0.07	78	0.41
GS135	Silt	0.58	45.92	4.18	64.1	138	50.6	16.4	334	3.12	30.6	0.4	3.2	1.3	19.8	0.09	0.14	0.08	87	0.38
GS136	Silt	0.60	49.29	4.23	64.5	127	51.9	16.5	316	3.17	28.3	0.5	5.6	1.3	19.5	0.14	0.16	0.09	88	0.35
GS137	Silt	0.73	56.82	4.86	70.8	156	54.9	17.7	391	3.42	32.9	0.5	5.9	1.3	19.5	0.17	0.15	0.09	96	0.33
GS138	Silt	0.60	50.99	4.44	69.1	231	55.1	16.3	310	3.24	33.9	0.6	323.6	1.7	18.4	0.12	0.16	0.08	85	0.33
GS139	Silt	0.61	54.68	4.47	72.9	134	56.7	18.0	372	3.40	31.2	0.6	3.8	1.7	18.8	0.15	0.18	0.10	92	0.32
GS140	Silt	0.71	45.43	4.90	62.2	93	47.7	15.4	414	3.25	19.5	0.6	5.3	1.2	19.2	0.18	0.21	0.10	91	0.33
GS141	Silt	0.96	54.58	5.73	88.1	236	65.7	24.9	947	4.15	39.8	0.5	10.1	1.1	25.3	0.22	0.17	0.11	112	0.43
GS142	Silt	0.79	55.84	5.63	101.5	327	64.3	21.2	763	4.58	33.4	0.6	11.8	1.0	28.4	0.28	0.16	0.12	111	0.43
GS143	Silt	0.51	42.55	4.67	87.8	96	52.2	16.4	337	3.16	13.6	0.4	2.9	0.8	15.8	0.14	0.12	0.09	98	0.37
GS144	Silt	0.89	51.93	5.59	100.8	276	65.3	31.5	2078	5.15	23.7	0.6	5.3	1.2	33.0	0.51	0.18	0.12	119	0.48
GS145	Silt	0.62	51.44	6.12	108.0	283	60.9	17.8	412	3.82	20.8	0.5	44.0	1.0	20.9	0.14	0.17	0.12	116	0.37
GS146	Silt	0.48	45.29	3.34	53.9	122	46.0	14.9	248	2.87	13.1	0.4	6.6	1.1	23.3	0.09	0.12	0.06	92	0.45
GS147	Silt	0.74	48.12	4.85	71.4	147	50.8	18.7	308	3.17	18.9	0.5	3.9	1.2	30.5	0.11	0.18	0.07	105	0.54
GS148	Silt	0.36	42.91	2.33	48.2	75	45.5	16.9	192	2.34	24.4	0.5	4.1	1.4	36.5	0.04	0.10	0.04	80	0.68
GS149	Silt	0.22	39.46	2.63	61.3	75	35.3	21.0	235	2.88	17.1	0.6	15.2	1.3	69.6	0.04	0.14	<0.02	98	1.09
GS150	Silt	0.20	41.21	2.59	59.1	78	36.3	20.8	229	2.79	9.5	0.8	15.5	1.6	67.7	0.06	0.15	<0.02	105	1.22
GS151	Silt	0.56	58.94	3.44	72.1	172	59.6	24.6	222	3.05	11.0	0.7	4.2	1.4	44.3	0.09	0.14	0.04	125	0.82
GS152	Silt	0.44	38.88	2.37	50.5	37	35.1	15.9	154	2.05	6.2	0.5	1.2	0.8	65.8	0.05	0.14	<0.02	90	1.24
GS153	Silt	0.42	36.74	2.27	49.2	60	36.0	13.5	204	2.35	9.8	0.3	1.8	0.9	36.6	0.08	0.12	0.04	74	0.68
GS154	Silt	0.36	41.93	2.28	50.6	57	36.5	16.0	168	1.94	5.8	0.3	1.6	0.6	75.6	0.10	0.13	<0.02	73	1.28



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	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		La ppm 0.5	Cr ppm 0.5	Mg % 0.01	Ba ppm 0.5	Ti % 0.001	B ppm 1	Al % 0.01	Na % 0.001	K % 0.01	W ppm 0.1	Sc ppm 0.1	Ti ppm 0.02	S % 0.02	Hg ppb 5	Se ppm 0.1	Te ppm 0.02	Ga ppm 0.1	Cs ppm 0.02	Ge ppm 0.1
GS125	Silt	9.7	64.9	1.15	106.5	0.092	<1	2.11	0.004	0.21	<0.1	5.1	0.18	<0.02	7	0.1	0.05	6.4	2.24	<0.1
GS126	Silt	8.9	48.4	0.83	77.8	0.076	<1	1.65	0.005	0.09	<0.1	3.8	0.11	0.03	8	0.3	<0.02	5.7	1.53	<0.1
GS127	Silt	6.1	57.6	0.88	126.9	0.108	1	1.80	0.008	0.28	<0.1	5.9	0.21	0.02	7	0.1	0.03	5.2	2.13	<0.1
GS128	Silt	8.1	58.3	0.90	130.8	0.109	<1	1.86	0.009	0.24	<0.1	5.8	0.22	0.02	11	0.1	0.07	6.0	2.13	<0.1
GS129	Silt	5.5	66.0	0.99	168.7	0.121	1	1.84	0.015	0.41	0.3	6.8	0.20	0.03	<5	0.2	0.06	6.2	2.29	0.2
GS130	Silt	5.8	95.5	1.34	218.8	0.172	1	2.46	0.019	0.54	0.2	9.1	0.27	0.03	12	0.1	0.06	8.6	3.11	0.2
GS131	Silt	6.6	63.4	0.95	176.0	0.124	<1	1.99	0.009	0.34	0.2	6.6	0.20	0.02	7	0.2	0.02	6.4	2.22	<0.1
GS132	Silt	10.2	59.0	0.94	109.0	0.105	3	1.83	0.007	0.23	<0.1	5.2	0.22	0.04	10	0.4	0.08	6.9	2.84	0.1
GS133	Silt	9.3	55.0	0.90	94.1	0.086	<1	1.81	0.006	0.20	<0.1	4.8	0.19	0.03	14	0.3	0.04	6.0	2.56	0.2
GS134	Silt	6.0	56.3	0.82	150.2	0.112	<1	1.76	0.007	0.28	<0.1	5.7	0.18	<0.02	<5	0.1	<0.02	5.7	1.95	<0.1
GS135	Silt	5.9	64.8	0.93	177.4	0.130	1	2.07	0.008	0.36	0.1	7.0	0.23	0.03	17	0.3	<0.02	6.7	2.38	<0.1
GS136	Silt	6.4	65.8	1.01	150.2	0.121	<1	2.15	0.007	0.36	0.1	6.9	0.23	0.02	14	0.3	<0.02	6.7	2.57	0.1
GS137	Silt	6.2	69.8	1.07	167.4	0.126	<1	2.30	0.008	0.40	<0.1	7.0	0.27	0.03	6	0.3	<0.02	7.0	2.74	<0.1
GS138	Silt	7.0	63.4	1.01	141.1	0.108	<1	2.22	0.005	0.37	0.1	6.4	0.25	0.02	<5	0.2	0.06	6.7	2.66	0.1
GS139	Silt	7.6	69.1	1.07	143.5	0.110	<1	2.28	0.004	0.43	<0.1	6.6	0.27	0.02	8	<0.1	0.05	7.2	2.74	0.1
GS140	Silt	7.3	64.7	1.00	141.0	0.105	<1	2.16	0.006	0.35	<0.1	5.7	0.21	0.03	8	<0.1	0.04	6.5	2.37	<0.1
GS141	Silt	7.0	84.1	1.09	311.6	0.173	1	2.63	0.012	0.49	0.2	9.5	0.28	0.04	28	0.8	0.04	8.2	2.96	0.1
GS142	Silt	6.9	84.4	1.02	337.1	0.162	<1	2.54	0.011	0.51	<0.1	9.6	0.27	0.05	47	0.9	0.05	7.9	2.67	0.1
GS143	Silt	4.0	77.3	0.94	279.6	0.171	<1	2.22	0.009	0.53	0.1	8.3	0.24	<0.02	7	0.2	0.03	7.5	2.42	<0.1
GS144	Silt	7.7	85.4	1.12	351.0	0.165	1	2.69	0.014	0.50	0.1	9.4	0.36	0.07	51	0.8	0.08	8.5	2.69	0.1
GS145	Silt	5.0	95.9	1.14	367.0	0.201	<1	2.82	0.011	0.63	0.1	10.2	0.27	0.02	14	0.2	0.10	9.1	3.06	0.2
GS146	Silt	4.7	63.4	1.00	239.5	0.141	<1	2.13	0.021	0.53	<0.1	6.9	0.20	<0.02	8	0.2	0.04	7.0	2.24	<0.1
GS147	Silt	6.2	77.9	1.10	206.1	0.140	<1	2.50	0.029	0.37	<0.1	6.7	0.20	0.03	15	0.4	0.07	7.2	2.15	0.1
GS148	Silt	4.7	62.0	0.97	212.8	0.121	<1	1.96	0.040	0.44	<0.1	5.3	0.17	<0.02	<5	<0.1	0.07	5.7	1.88	0.1
GS149	Silt	4.5	90.8	1.36	228.7	0.142	<1	2.49	0.068	0.41	<0.1	6.2	0.15	<0.02	<5	<0.1	<0.02	7.5	2.33	0.1
GS150	Silt	5.3	96.7	1.45	231.2	0.147	<1	2.64	0.075	0.37	<0.1	6.4	0.16	<0.02	<5	<0.1	<0.02	7.7	2.28	<0.1
GS151	Silt	7.6	91.5	1.44	289.3	0.168	1	2.85	0.059	0.50	<0.1	7.3	0.23	0.04	16	0.4	<0.02	8.6	2.33	0.1
GS152	Silt	4.0	67.2	0.99	163.9	0.098	<1	2.62	0.106	0.21	<0.1	3.6	0.09	<0.02	5	<0.1	0.04	6.8	1.29	<0.1
GS153	Silt	4.3	51.6	0.86	180.8	0.136	<1	1.96	0.053	0.42	<0.1	4.8	0.16	0.02	<5	0.1	0.02	5.8	1.54	0.2
GS154	Silt	3.7	46.3	0.78	141.6	0.112	<1	2.94	0.128	0.22	<0.1	4.1	0.11	0.02	13	<0.1	<0.02	6.5	1.03	<0.1



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		Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb
		0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10
GS125	Silt	0.53	20.8	0.3	<0.05	0.2	7.33	26.7	0.03	<1	0.2	38.7	<10
GS126	Silt	0.48	11.5	0.3	<0.05	0.2	6.63	17.8	<0.02	<1	0.3	26.6	<10
GS127	Silt	0.77	26.4	0.5	<0.05	0.3	6.21	13.6	0.02	<1	0.2	21.1	<10
GS128	Silt	0.88	23.5	0.5	<0.05	0.3	6.42	18.0	0.03	<1	0.3	25.0	<10
GS129	Silt	0.96	29.7	0.6	<0.05	0.3	6.05	12.1	0.02	<1	0.2	22.4	<10
GS130	Silt	0.93	38.6	0.7	<0.05	0.2	6.12	13.4	0.03	<1	0.4	32.3	<10
GS131	Silt	0.92	27.0	0.5	<0.05	0.2	7.26	14.0	0.03	<1	0.3	28.3	<10
GS132	Silt	0.92	28.9	0.6	<0.05	0.2	6.66	21.5	0.04	<1	0.3	33.7	<10
GS133	Silt	0.73	24.7	0.5	<0.05	0.2	5.80	19.6	<0.02	<1	0.3	32.8	<10
GS134	Silt	0.68	23.2	0.5	<0.05	0.1	6.69	12.9	0.03	<1	0.2	24.9	<10
GS135	Silt	1.07	29.8	0.6	<0.05	0.2	6.78	13.0	0.04	<1	0.3	29.4	<10
GS136	Silt	0.76	30.9	0.6	<0.05	<0.1	6.36	14.7	0.03	<1	0.2	30.7	<10
GS137	Silt	0.82	33.0	0.6	<0.05	0.2	6.20	14.1	0.04	<1	0.4	31.8	<10
GS138	Silt	0.63	32.1	0.6	<0.05	0.1	6.48	16.2	0.02	<1	0.4	33.2	<10
GS139	Silt	0.65	37.7	0.5	<0.05	0.1	6.70	16.7	0.03	<1	0.3	33.2	<10
GS140	Silt	0.76	30.0	0.5	<0.05	0.1	5.57	16.5	0.03	<1	0.3	24.9	<10
GS141	Silt	1.74	38.1	1.0	<0.05	0.4	8.72	16.1	0.04	<1	0.5	36.9	<10
GS142	Silt	1.95	35.0	0.8	<0.05	0.5	11.35	15.4	0.04	<1	0.5	35.1	<10
GS143	Silt	0.97	35.1	0.8	<0.05	0.2	7.66	9.4	0.05	<1	0.4	33.4	<10
GS144	Silt	1.96	36.9	1.0	<0.05	0.4	11.44	18.5	0.04	<1	0.5	34.2	<10
GS145	Silt	1.16	42.9	0.9	<0.05	0.3	7.86	11.2	0.06	<1	0.5	44.1	<10
GS146	Silt	0.81	30.5	0.6	<0.05	0.2	5.49	11.4	0.03	<1	0.2	26.7	<10
GS147	Silt	1.03	28.5	0.6	<0.05	0.4	6.21	12.8	0.02	<1	0.3	28.7	<10
GS148	Silt	0.45	27.2	0.4	<0.05	0.3	5.15	10.7	0.03	<1	0.2	21.8	<10
GS149	Silt	0.31	22.8	0.2	<0.05	0.1	5.73	10.4	<0.02	<1	0.3	24.1	<10
GS150	Silt	0.31	21.4	0.2	<0.05	0.1	6.59	12.0	0.03	<1	0.2	23.5	<10
GS151	Silt	1.35	32.5	0.6	<0.05	0.2	5.59	13.1	0.02	<1	0.3	28.1	<10
GS152	Silt	0.43	14.5	0.2	<0.05	<0.1	4.47	11.1	0.03	<1	0.3	14.8	<10
GS153	Silt	0.91	24.9	0.4	<0.05	0.2	4.27	9.6	0.02	<1	<0.1	20.4	<10
GS154	Silt	0.81	15.8	0.3	<0.05	0.3	4.21	8.9	0.04	<1	0.1	14.8	<10



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	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01
GS155	Silt	0.39	49.69	2.53	54.6	86	40.6	17.4	200	2.04	6.3	0.4	2.3	0.7	73.3	0.10	0.15	0.02	74	1.27	0.103
C001	Silt	0.55	35.34	3.69	74.9	166	37.7	14.9	450	3.04	51.3	0.4	337.7	0.8	27.7	0.11	0.24	0.08	93	0.38	0.121
C002	Silt	0.51	35.25	3.71	72.6	96	36.8	14.5	483	3.09	40.7	0.3	23.4	0.9	25.8	0.14	0.20	0.08	97	0.39	0.119
C003	Silt	0.61	39.11	3.81	77.3	148	40.7	17.4	480	3.29	38.0	0.4	11.7	1.0	26.5	0.10	0.15	0.09	101	0.36	0.103
C004	Silt	0.64	72.82	2.49	41.2	127	21.5	7.9	120	1.19	13.8	0.5	10.6	0.6	25.5	0.38	0.39	0.16	42	0.33	0.070
C008	Silt	0.52	104.8	4.06	59.5	394	54.3	16.2	417	2.74	54.9	1.0	5.2	1.3	35.4	0.26	0.24	0.11	67	0.56	0.056
C10	Silt	0.87	91.33	4.86	89.7	145	82.8	30.3	562	4.48	138.5	0.4	62.2	1.1	38.2	0.14	0.30	0.17	133	0.46	0.131
GS82	Silt	0.92	56.17	6.07	81.6	101	61.4	19.9	545	3.75	20.6	0.4	12.7	1.0	23.1	0.21	1.97	0.14	99	0.36	0.108
GS86	Silt	0.90	38.66	5.20	85.2	203	52.8	15.9	469	3.35	30.3	0.7	152.1	1.4	23.9	0.18	1.14	0.12	86	0.42	0.129
GS001A	Silt	0.28	17.80	4.37	73.5	51	33.9	11.3	760	2.65	10.7	0.5	<0.2	3.0	33.8	0.11	0.13	0.04	33	0.47	0.145
GS005A	Silt	0.49	22.23	4.46	61.3	103	32.6	11.6	407	2.72	13.0	1.0	12.9	4.0	39.7	0.12	0.23	0.08	48	0.58	0.210
GS025A	Silt	0.57	30.35	4.55	79.0	67	42.1	13.1	451	2.89	18.4	0.7	1.4	3.7	31.8	0.14	0.26	0.09	43	0.49	0.164
C006	Silt	2.36	110.9	3.26	38.7	199	42.9	5.8	303	1.19	277.3	2.2	20.4	0.1	63.4	0.55	0.43	0.21	27	1.11	0.121



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te	Ga	Cs	Ge
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm
		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1
GS155	Silt	4.3	46.8	0.79	146.8	0.114	1	3.05	0.123	0.23	<0.1	4.2	0.12	0.02	6	0.1	0.03	6.8	1.05	<0.1
C001	Silt	3.7	64.2	0.90	295.9	0.187	<1	2.07	0.013	0.75	0.2	8.2	0.26	<0.02	8	<0.1	0.02	7.4	2.65	0.2
C002	Silt	3.9	69.3	0.91	301.2	0.203	<1	2.14	0.013	0.78	0.2	7.9	0.28	<0.02	20	0.3	<0.02	7.8	2.65	0.2
C003	Silt	4.7	73.6	0.98	296.5	0.208	<1	2.33	0.013	0.76	0.2	8.9	0.27	<0.02	<5	0.2	0.03	8.4	2.84	0.2
C004	Silt	6.7	28.5	0.38	138.3	0.102	<1	1.30	0.017	0.13	0.1	3.2	0.15	0.33	36	0.4	0.05	3.4	0.93	0.1
C008	Silt	9.3	45.2	0.71	138.4	0.139	<1	1.71	0.021	0.25	0.2	5.2	0.16	<0.02	21	0.2	<0.02	5.2	1.52	<0.1
C10	Silt	3.6	82.1	1.39	367.5	0.242	<1	2.80	0.021	1.03	0.2	11.1	0.32	0.04	11	0.4	<0.02	9.9	4.00	0.2
GS82	Silt	4.5	61.8	0.95	257.9	0.169	<1	2.17	0.009	0.59	0.2	8.8	0.25	0.02	14	0.2	<0.02	7.1	3.38	0.1
GS86	Silt	7.0	64.6	0.75	212.6	0.144	<1	2.03	0.009	0.34	0.8	6.5	0.17	<0.02	18	0.2	0.05	6.2	2.13	<0.1
GS001A	Silt	11.1	33.8	0.74	51.4	0.027	1	1.32	0.003	0.03	0.2	2.1	<0.02	<0.02	7	<0.1	0.04	3.8	0.34	<0.1
GS005A	Silt	13.7	35.6	0.60	17.8	0.043	<1	1.09	0.003	0.03	0.1	1.8	<0.02	<0.02	9	0.2	0.02	3.5	0.30	<0.1
GS025A	Silt	10.8	43.6	0.84	34.9	0.034	<1	1.41	0.004	0.05	<0.1	2.5	0.04	<0.02	11	<0.1	0.09	4.2	0.71	0.1
C006	Silt	7.0	21.4	0.36	162.9	0.033	4	1.10	0.011	0.10	0.6	2.1	0.11	0.84	156	0.9	0.03	2.1	0.75	<0.1



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		Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
		0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
GS155	Silt	0.70	16.1	0.3	<0.05	0.4	4.66	9.7	<0.02	<1	0.2	15.7	<10	3
C001	Silt	1.08	41.1	0.7	<0.05	0.1	5.50	8.1	0.03	<1	0.5	30.4	<10	<2
C002	Silt	1.28	42.6	0.7	<0.05	<0.1	5.62	8.8	0.03	<1	0.6	30.1	<10	<2
C003	Silt	1.65	44.2	0.9	<0.05	0.1	5.63	10.0	0.04	<1	0.7	34.4	<10	<2
C004	Silt	1.07	9.6	0.4	<0.05	0.6	5.27	14.2	0.03	6	0.6	12.9	<10	<2
C008	Silt	1.44	23.8	0.4	<0.05	1.3	8.19	15.3	0.02	<1	0.8	22.2	<10	<2
C10	Silt	0.92	49.8	0.9	<0.05	0.2	5.61	7.8	0.04	<1	1.2	46.1	<10	<2
GS82	Silt	1.47	39.2	0.8	<0.05	0.6	5.63	9.4	0.05	<1	0.7	29.6	<10	<2
GS86	Silt	1.18	25.8	0.6	<0.05	0.7	7.84	14.9	0.03	<1	0.8	25.6	<10	<2
GS001A	Silt	0.15	2.6	<0.1	<0.05	0.4	6.42	22.7	<0.02	<1	0.2	24.3	<10	<2
GS005A	Silt	0.13	2.5	<0.1	<0.05	0.5	11.36	24.9	<0.02	<1	0.2	20.8	<10	<2
GS025A	Silt	0.21	5.3	<0.1	<0.05	0.4	8.54	22.8	<0.02	<1	0.3	26.9	<10	<2
C006	Silt	0.77	6.8	1.1	<0.05	0.4	7.95	14.5	<0.02	2	0.4	11.3	<10	<2



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Project:

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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
Pulp Duplicates		0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
GS019	Silt	0.37	21.67	3.23	50.0	47	27.7	10.0	347	2.29	6.5	0.4	3.5	1.7	31.5	0.12	0.18	<0.02	51	0.72	0.104
REP GS019	QC	0.33	21.62	3.36	51.0	84	28.9	9.7	344	2.29	5.9	0.4	196.0	1.9	32.9	0.13	0.20	<0.02	52	0.73	0.113
GS024	Silt	0.47	25.10	4.13	77.1	69	38.5	11.7	429	2.97	17.3	0.6	3.2	3.2	29.5	0.13	0.18	0.06	46	0.48	0.174
REP GS024	QC	0.39	24.85	4.14	76.2	56	37.7	11.7	427	2.94	17.0	0.6	0.4	3.2	29.0	0.11	0.18	0.05	46	0.47	0.173
GS060	Silt	0.76	15.37	3.67	67.2	58	25.7	13.3	421	2.71	12.0	0.7	1.7	1.8	21.3	0.11	0.22	0.07	65	0.45	0.109
REP GS060	QC	0.68	15.35	3.68	70.9	63	25.8	12.8	412	2.67	12.0	0.7	1.3	1.8	21.0	0.08	0.24	0.06	64	0.43	0.105
GS067	Silt	1.14	55.92	6.78	79.9	183	70.0	23.7	730	4.12	37.0	0.5	7.1	1.3	19.5	0.18	0.75	0.13	96	0.38	0.110
REP GS067	QC	1.23	58.96	7.17	86.1	190	71.2	24.2	755	4.21	38.5	0.5	6.9	1.3	20.1	0.22	0.80	0.12	98	0.38	0.113
GS089	Silt	0.45	33.44	3.31	69.8	77	44.1	14.7	402	2.92	9.2	0.5	3.0	2.3	24.1	0.11	0.17	0.08	59	0.40	0.166
REP GS089	QC	0.57	35.05	3.51	76.6	73	48.2	15.0	397	3.01	11.1	0.5	2.5	2.6	24.9	0.11	0.19	0.09	59	0.42	0.174
GS120	Silt	0.45	43.57	3.50	79.1	88	46.0	13.7	348	2.82	16.1	0.6	5.1	2.2	19.6	0.10	0.13	0.03	61	0.33	0.137
REP GS120	QC	0.52	40.92	3.48	75.4	79	47.3	14.2	346	2.84	16.5	0.6	7.7	2.3	20.0	0.13	0.14	0.06	62	0.34	0.133
GS125	Silt	0.62	52.18	4.06	103.8	116	58.6	17.8	475	3.55	26.4	0.8	2.2	3.1	21.2	0.15	0.20	0.08	74	0.35	0.128
REP GS125	QC	0.65	53.65	4.15	103.0	126	56.1	17.0	466	3.44	26.8	0.8	10.7	3.0	21.1	0.17	0.21	0.09	72	0.34	0.119
C001	Silt	0.55	35.34	3.69	74.9	166	37.7	14.9	450	3.04	51.3	0.4	337.7	0.8	27.7	0.11	0.24	0.08	93	0.38	0.121
REP C001	QC	0.56	37.10	3.94	75.4	112	38.6	14.9	465	3.18	54.8	0.4	71.6	0.9	29.2	0.12	0.25	0.10	97	0.39	0.128
C004	Silt	0.64	72.82	2.49	41.2	127	21.5	7.9	120	1.19	13.8	0.5	10.6	0.6	25.5	0.38	0.39	0.16	42	0.33	0.070
REP C004	QC	0.70	76.32	2.64	42.0	154	22.6	7.7	125	1.24	14.7	0.5	9.3	0.6	26.5	0.32	0.34	0.10	43	0.35	0.076
Reference Materials																					
STD DS9	Standard	13.98	116.1	133.0	319.3	1924	44.8	8.6	613	2.47	26.9	3.0	133.4	7.0	70.3	2.43	5.45	5.97	42	0.77	0.087
STD DS9	Standard	13.69	107.8	119.5	295.5	1735	41.5	8.0	592	2.30	24.7	2.8	112.3	6.8	63.4	2.11	4.65	5.32	41	0.74	0.082
STD DS9	Standard	14.10	121.0	125.0	305.5	1898	45.0	8.5	622	2.46	25.8	3.1	117.1	7.4	76.6	2.34	5.28	7.17	42	0.78	0.080
STD DS9	Standard	13.15	104.8	125.8	305.2	1889	38.9	7.3	598	2.31	25.8	2.8	129.2	6.7	72.7	2.29	5.02	6.17	40	0.74	0.085
STD DS9	Standard	13.21	110.3	132.7	313.7	1934	41.3	7.6	597	2.31	27.1	3.2	127.2	7.1	85.3	2.56	5.44	7.32	40	0.74	0.085
STD DS9	Standard	13.73	111.2	126.1	314.5	1877	41.7	8.1	596	2.37	24.7	2.9	117.1	6.9	69.2	2.32	5.13	5.37	42	0.76	0.080
STD DS9 Expected		12.84	108	126	317	1830	40.3	7.6	575	2.33	25.5	2.69	118	6.38	69.6	2.4	4.94	6.32	40	0.7201	0.0819
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	0.2	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	0.05	<0.1	3	0.1	<0.1	<1	<0.01	0.2	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te	Ga	Cs	Ge	Hf
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
Pulp Duplicates																					
GS019	Silt	7.1	38.0	0.74	80.5	0.061	<1	1.15	0.014	0.12	0.2	3.3	0.08	<0.02	15	0.3	0.04	3.8	0.75	<0.1	<0.02
REP GS019	QC	7.8	38.6	0.74	81.5	0.064	2	1.14	0.014	0.12	0.2	3.4	0.08	<0.02	9	0.2	<0.02	3.8	0.72	<0.1	<0.02
GS024	Silt	9.3	44.0	0.86	36.2	0.029	<1	1.43	0.004	0.06	0.2	2.6	0.05	<0.02	<5	<0.1	0.05	4.6	0.71	<0.1	<0.02
REP GS024	QC	9.3	41.8	0.86	35.5	0.028	<1	1.42	0.004	0.06	<0.1	2.6	0.04	<0.02	<5	<0.1	<0.02	4.6	0.67	<0.1	<0.02
GS060	Silt	9.2	40.9	0.74	145.1	0.153	<1	1.47	0.017	0.19	0.3	4.2	0.15	<0.02	9	0.4	0.03	5.4	1.65	<0.1	<0.02
REP GS060	QC	8.7	40.6	0.74	142.4	0.148	<1	1.47	0.016	0.19	0.5	4.0	0.16	<0.02	9	0.3	0.05	5.3	1.62	0.1	<0.02
GS067	Silt	6.2	64.7	0.98	177.8	0.116	<1	2.18	0.008	0.40	0.2	8.0	0.25	0.03	35	0.5	0.05	7.5	3.52	<0.1	<0.02
REP GS067	QC	6.1	65.8	0.99	185.9	0.119	<1	2.22	0.008	0.41	0.2	8.2	0.24	0.03	11	0.6	0.09	7.8	3.62	<0.1	<0.02
GS089	Silt	8.3	48.9	0.88	78.0	0.067	1	1.66	0.004	0.16	<0.1	4.1	0.12	<0.02	16	0.3	0.05	5.2	1.58	<0.1	<0.02
REP GS089	QC	9.4	52.1	0.91	86.3	0.086	2	1.65	0.005	0.16	0.1	4.1	0.14	<0.02	11	0.2	0.07	5.5	1.77	<0.1	<0.02
GS120	Silt	8.8	56.9	0.90	96.0	0.097	<1	1.63	0.004	0.18	<0.1	4.4	0.15	<0.02	11	<0.1	<0.02	5.4	1.99	<0.1	0.03
REP GS120	QC	8.6	55.3	0.91	96.8	0.085	<1	1.70	0.004	0.18	<0.1	4.4	0.16	<0.02	<5	0.1	<0.02	5.3	1.91	<0.1	<0.02
GS125	Silt	9.7	64.9	1.15	106.5	0.092	<1	2.11	0.004	0.21	<0.1	5.1	0.18	<0.02	7	0.1	0.05	6.4	2.24	<0.1	<0.02
REP GS125	QC	10.2	63.2	1.11	108.0	0.091	<1	2.01	0.004	0.20	<0.1	5.1	0.18	<0.02	14	0.1	0.05	6.6	2.36	<0.1	<0.02
C001	Silt	3.7	64.2	0.90	295.9	0.187	<1	2.07	0.013	0.75	0.2	8.2	0.26	<0.02	8	<0.1	0.02	7.4	2.65	0.2	<0.02
REP C001	QC	4.0	69.2	0.94	301.2	0.199	<1	2.18	0.013	0.77	0.2	8.4	0.26	<0.02	<5	0.2	0.04	8.2	2.72	0.1	<0.02
C004	Silt	6.7	28.5	0.38	138.3	0.102	<1	1.30	0.017	0.13	0.1	3.2	0.15	0.33	36	0.4	0.05	3.4	0.93	0.1	0.02
REP C004	QC	6.8	29.4	0.40	137.6	0.108	3	1.36	0.018	0.14	0.1	3.2	0.14	0.36	47	0.8	0.06	3.8	0.94	0.1	<0.02
Reference Materials																					
STD DS9	Standard	15.6	123.1	0.66	330.0	0.126	3	1.02	0.090	0.42	3.2	2.8	6.05	0.17	239	5.8	5.35	4.9	2.60	<0.1	0.10
STD DS9	Standard	14.5	116.9	0.63	298.7	0.118	3	1.00	0.094	0.40	2.8	2.7	5.42	0.17	198	5.0	5.19	4.4	2.34	0.1	0.11
STD DS9	Standard	15.0	125.5	0.66	301.2	0.132	<1	1.02	0.089	0.42	2.8	2.6	5.49	0.17	202	5.4	5.17	4.7	2.47	<0.1	0.08
STD DS9	Standard	14.6	115.0	0.62	314.9	0.108	3	0.97	0.084	0.39	3.1	2.6	5.89	0.16	210	5.4	5.19	5.0	2.47	0.1	0.11
STD DS9	Standard	16.1	118.9	0.60	334.7	0.129	2	0.94	0.083	0.38	2.9	2.7	5.65	0.16	211	5.4	5.28	4.8	2.51	0.1	0.10
STD DS9	Standard	16.1	119.8	0.64	300.5	0.120	<1	1.02	0.092	0.40	3.0	2.6	5.72	0.17	203	5.9	5.11	5.2	2.55	0.2	0.09
STD DS9 Expected		13.3	121	0.6165	295	0.1108		0.9577	0.0853	0.395	2.89	2.5	5.3	0.1615	200	5.2	5.02	4.59	2.37	0.1	0.08
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02



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		Analyte	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb
		MDL	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10
Pulp Duplicates														
GS019	Silt		0.58	9.8	0.2	<0.05	1.2	6.14	14.8	<0.02	1	0.2	15.4	<10
REP GS019	QC		0.73	10.0	0.2	<0.05	1.2	6.58	16.0	<0.02	<1	<0.1	15.1	<10
GS024	Silt		0.21	5.7	0.1	<0.05	0.3	8.54	19.7	<0.02	<1	0.2	28.2	<10
REP GS024	QC		0.20	5.4	0.2	<0.05	0.4	8.19	20.0	<0.02	<1	0.1	26.2	<10
GS060	Silt		1.42	23.0	0.5	<0.05	0.6	6.37	18.8	<0.02	2	0.3	19.2	<10
REP GS060	QC		1.32	22.8	0.5	<0.05	0.7	6.39	19.5	<0.02	<1	0.2	19.2	<10
GS067	Silt		1.21	32.9	0.8	<0.05	0.5	5.76	13.7	0.04	3	0.6	29.9	<10
REP GS067	QC		1.27	33.3	0.9	<0.05	0.5	5.86	13.0	0.05	6	0.6	30.2	<10
GS089	Silt		0.52	15.4	0.3	<0.05	0.2	7.39	17.2	0.02	<1	0.1	30.7	<10
REP GS089	QC		0.67	17.1	0.3	<0.05	0.2	8.42	20.2	0.03	<1	0.1	32.6	<10
GS120	Silt		0.62	18.1	0.3	<0.05	0.1	6.65	20.8	0.02	<1	0.2	30.6	<10
REP GS120	QC		0.44	19.0	0.2	<0.05	0.2	6.63	19.7	<0.02	<1	0.2	28.3	<10
GS125	Silt		0.53	20.8	0.3	<0.05	0.2	7.33	26.7	0.03	<1	0.2	38.7	<10
REP GS125	QC		0.54	20.9	0.3	<0.05	0.2	7.28	26.7	0.03	<1	0.3	40.3	<10
C001	Silt		1.08	41.1	0.7	<0.05	0.1	5.50	8.1	0.03	<1	0.5	30.4	<10
REP C001	QC		1.15	40.9	0.8	<0.05	0.2	5.91	8.8	0.02	<1	0.6	32.0	<10
C004	Silt		1.07	9.6	0.4	<0.05	0.6	5.27	14.2	0.03	6	0.6	12.9	<10
REP C004	QC		1.17	10.1	0.3	<0.05	0.7	5.50	14.5	<0.02	2	0.5	12.6	<10
Reference Materials														
STD DS9	Standard		1.58	36.4	6.9	<0.05	2.1	6.65	31.0	2.28	63	5.6	28.4	152
STD DS9	Standard		1.49	33.5	6.1	<0.05	2.1	6.06	28.3	2.30	68	5.6	26.1	143
STD DS9	Standard		1.40	34.1	6.6	<0.05	2.0	6.00	27.9	2.20	58	5.6	25.2	145
STD DS9	Standard		1.43	34.4	6.5	<0.05	2.1	6.40	27.1	2.30	70	6.0	25.9	139
STD DS9	Standard		1.41	35.6	7.3	<0.05	2.1	6.44	30.2	2.48	60	5.5	27.8	113
STD DS9	Standard		1.37	35.5	6.6	<0.05	2.1	6.54	30.8	2.45	71	5.7	24.3	130
STD DS9 Expected			1.33	33.8	6.4	0.004	2	5.97	25.4	2.2	61	5.4	25.2	120
BLK	Blank		<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10
BLK	Blank		<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	0.2	<10



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Project:

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QUALITY CONTROL REPORT

WHI12000302.1

		1F30 Mo ppm 0.01	1F30 Cu ppm 0.01	1F30 Pb ppm 0.01	1F30 Zn ppm 0.1	1F30 Ag ppb 2	1F30 Ni ppm 0.1	1F30 Co ppm 0.1	1F30 Mn ppm 1	1F30 Fe % 0.01	1F30 As ppm 0.1	1F30 U ppm 0.1	1F30 Au ppb 0.2	1F30 Th ppm 0.1	1F30 Sr ppm 0.5	1F30 Cd ppm 0.01	1F30 Sb ppm 0.02	1F30 Bi ppm 0.02	1F30 V ppm 2	1F30 Ca % 0.01	1F30 P % 0.001
BLK	Blank	<0.01	0.08	0.03	<0.1	5	<0.1	<0.1	2	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	0.05	0.02	<0.1	4	<0.1	<0.1	3	<0.01	0.2	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	0.02	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	0.2	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001



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QUALITY CONTROL REPORT

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		1F30 La ppm 0.5	1F30 Cr ppm 0.5	1F30 Mg % 0.01	1F30 Ba ppm 0.5	1F30 Ti % 0.001	1F30 B ppm 1	1F30 Al % 0.01	1F30 Na % 0.001	1F30 K % 0.01	1F30 W ppm 0.1	1F30 Sc ppm 0.1	1F30 Ti ppm 0.02	1F30 S % 0.02	1F30 Hg ppb 5	1F30 Se ppm 0.1	1F30 Te ppm 0.02	1F30 Ga ppm 0.1	1F30 Cs ppm 0.02	1F30 Ge ppm 0.1	1F30 Hf ppm 0.02
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02



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		1F30 Nb ppm 0.02	1F30 Rb ppm 0.1	1F30 Sn ppm 0.1	1F30 Ta ppm 0.05	1F30 Zr ppm 0.1	1F30 Y ppm 0.01	1F30 Ce ppm 0.1	1F30 In ppm 0.02	1F30 Re ppb 1	1F30 Be ppm 0.1	1F30 Li ppm 0.1	1F30 Pd ppb 10	1F30 Pt ppb 2
BLK	Blank	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2