04-010

"END OF THE" CLAIM GROUP

SOIL SURVEY REPORT

Latitude 63°40' N Longitude 133°30' W

Mayo Mining District

NTS 105N-12

Yukon Territory

Field work done during the period August 16 – 22, 2004

By: R. S. Berdahl
Box 11250
Whitehorse, YT
Y1A 6N4

January 2005

"END OF THE"
CLAIM GROUP

SOIL SURVEY REPORT

Latitude 63°40' N Longitude 133°30' W

Mayo Mining District

NTS 105N-12

Yukon Territory

Field work done during the period August 16 – 22, 2004

By: **R. S. Berdahl**
Box 11250
Whitehorse, YT
Y1A 6N4

January 2005

TABLE OF CONTENTS

Summary 1

Claim Summary 1

Location and Access 1

Topography/Vegetation 1

Regional Geology 2

Table of Geologic Formations (See Figure 2)

Property Geology 2

Past Work Results 3

Current Program 3

Results 4

Conclusions 5

Recommendations 5

References 6

List of Figures

Figure 1: Regional Geology Map

Figure 2: Table of Geologic Formations

Appendices

A) "End of The" Claims Sample Description

B) Assays

C) "End of The" Claims Map

D) "End of The" Claims Sample Location Map

E) Statement of Costs

F) Statement of Qualifications

G) Project Personnel

SUMMARY

The "End of The" claims were staked to cover a prominent orange weathering ridge, the drainage of which registered anomalous Au values in RGS survey and has an associated magnetic high. .

The area had no known mineral occurrence but J. Keele's 1906 GSC report on the Stewart mentions several gold-bearing streams in this area. RGS data shows anomalous multi-element values as well. In 1996, C. Roots did mapping in the area and discovered an intrusion associated with the coloured ridge. The Robert Service Thrust Fault is adjacent to the property.

In 1999, work consisted of prospecting of the general area. Sulfide float was discovered. Pyrite in one-metre wide faults assayed up to 4.117g/t Au. Associated, highly anomalous minerals included As, Bi, and W. A mag high may result from pyrrhotite hornsfel around intrusive dikes.

Between 2000 and 2003, geologists from Rimfire and Viceroy visited the property and sampled. Their findings reinforced earlier assay results.

CLAIM SUMMARY

"End of The" Claims	Staked	Expiry Date *
1–6	July 10, 1999	July 18, 2010
Terry Sue 1–8	August 17, 2004	August 2006

* if assessment work is accepted

LOCATION AND ACCESS

The claim area is on Rainbow Creek, which drains NW into the Stewart River, about 10 km downriver from Lansing. The site is approximately 70 miles E of Mayo, the nearest point to highway access. It is in the Mayo Mining District on NTS map sheet 105 N/12. Access is via float plane or helicopter from Mayo. Alternatively, the claims could be reached by boat from Mayo (if the falls are portaged) and a six-mile hike in. Float planes (206) can land on a small lake 3 km ESE of the claim block.

TOPOGRAPHY / VEGETATION

Area elevations range from 600 m on the Stewart River to 1815 m on a mountain 10 km to the SE. On the claims, a cliff and steep adjacent canyon (Rainbow Creek) dominate. Elevations are from 1120 m on the ridge to 700 m 1 km W on Rainbow Creek. Vegetation is moderate to heavy spruce, willow and alder, thicker on southern slopes, with deciduous species heaviest in creeks, while lichens dominate at higher, drier areas. An old burn covers 100 ha on the claim block.

REGIONAL GEOLOGY

The regional geology around the 'End of The' Claims is described as follows by C. F. Roots (1997) in his study of the Upper Paleozoic strata for the northwestern Lansing map area (105N) (See Fig. 1):

> Lansing map area lies near the northern edge of the Selwyn Basin, which is the outer part of the Lower Paleozoic miogeocline of ancestral North America. Stratigraphic units in the Lansing area are summarized in the following table. The Proterozoic off-self depositional environment accumulated grit succeeded by shale and chert. This regime was disrupted by Late Devonian block faulting, deposition of Earn Group turbidites and fanglomerates; structurally elevated areas were eroded. The turbidite basin continued into Early Carboniferous time. The subsequent clastic shelf regime included a sandstone, the Keno Hill quartzite, which forms a 500-km. long, relatively narrow regional marker. In Middle Jurassic time the sedimentary succession was deformed by folds and thrust faults, perhaps resulting from collision and transpression with far-travelled terranes 300 km southwest (e.g. Tempelman-Kluit, 1979, in: Roots, 1997).
>
> Jurassic and Early Cretaceous deformation of the Selwyn Basin is by tight, upright to overturned folds of competent rocks and echelon, fault imbrication of incompetent strata, all at sub-green-schist metamorphic grade. In general the structural style suggests thin-skinned contractions and underlying, relatively flat regional detachment faults (e.g. Gordey, in prep., in: Roots, 1997). Deformation structures are cut by the Tombstone plutonic suite, whose 92-94 Ma (Late Early Cretaceous) age constrains the end of regional deformation.
>
> The 1996 mapping in northwestern Lansing established the location of Robert Service Thrust map area (Fig. 2). The Yesezyu grit (Hyland Group: PCH) is contorted in east- and west-plunging cylindrical and box folds in the hanging wall of the Robert Service Thrust. A 15-km long strip of Hyland Group strata is separated from the larger area of Hyland Group by a belt of Keno Hill and younger rocks. This strip is bounded on its south side by a vertical, northwest-trending fault. The northern contact, with Earn Group conglomerate, must be a fault and may also be a segment of the Robert Service Thrust. Thus, the strip of isolated Hyland Group is interpreted as a klippe preserved by later downfaulting. The late northwest-trending faults were predominantly dextral transcurrent faults, and were traced southeastward about 9 km of dextral offset is indicated (Roots et al., 1995b, in: Roots, 1997).

TABLE OF GEOLOGIC FORMATIONS

See Figure 2.

PROPERTY GEOLOGY

Property geology is described as follows by C. F. Roots (1997):

> The covered surface trace of the Robert Service Thrust trends northwest, roughly parallel to (Rainbow) creek on its south side of the valley. The footwall Earn Group, consisting of black mudstone laced with white quartz and lesser brown phyllite which results in iron-stained seeps, is exposed in the floor

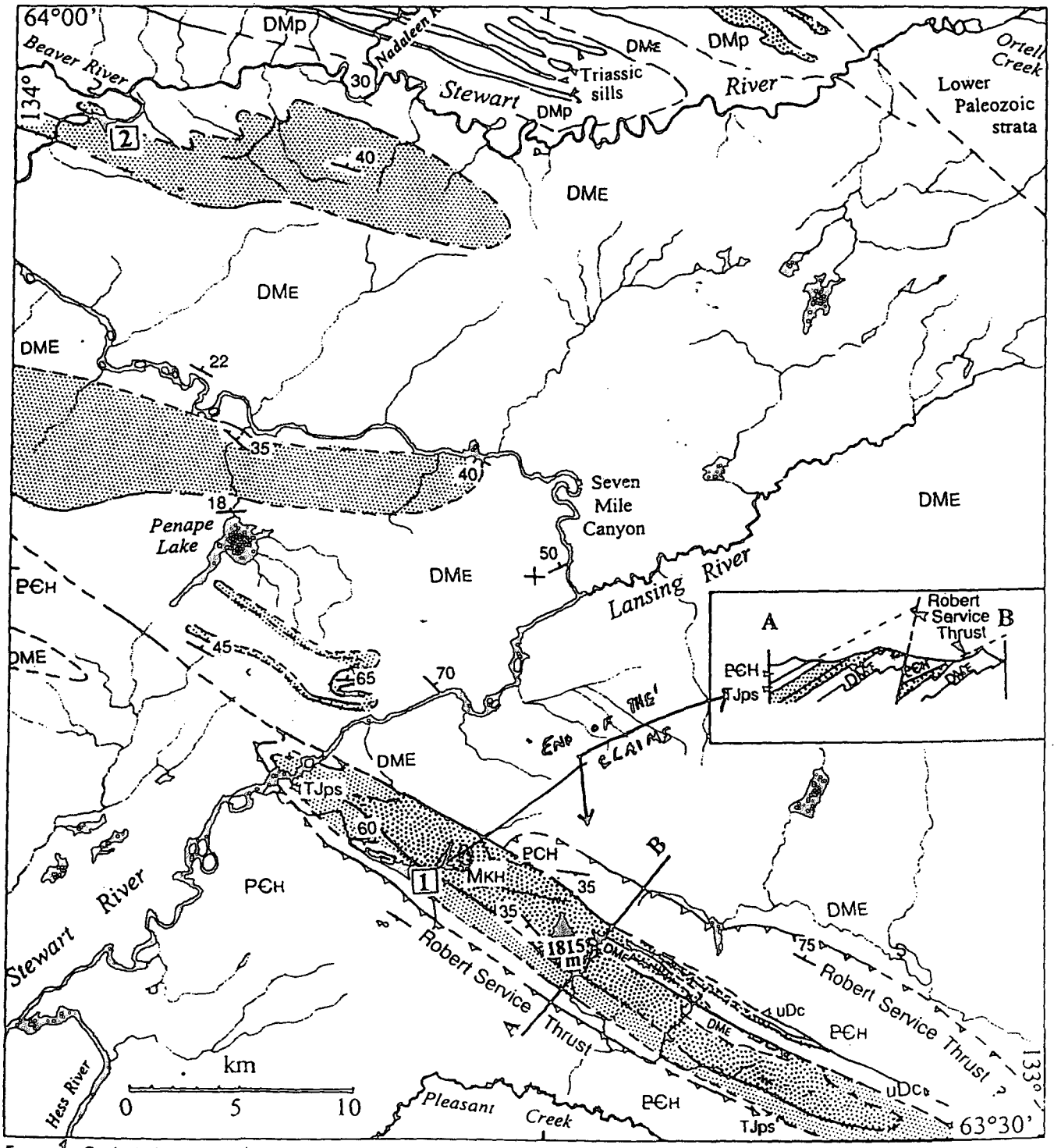


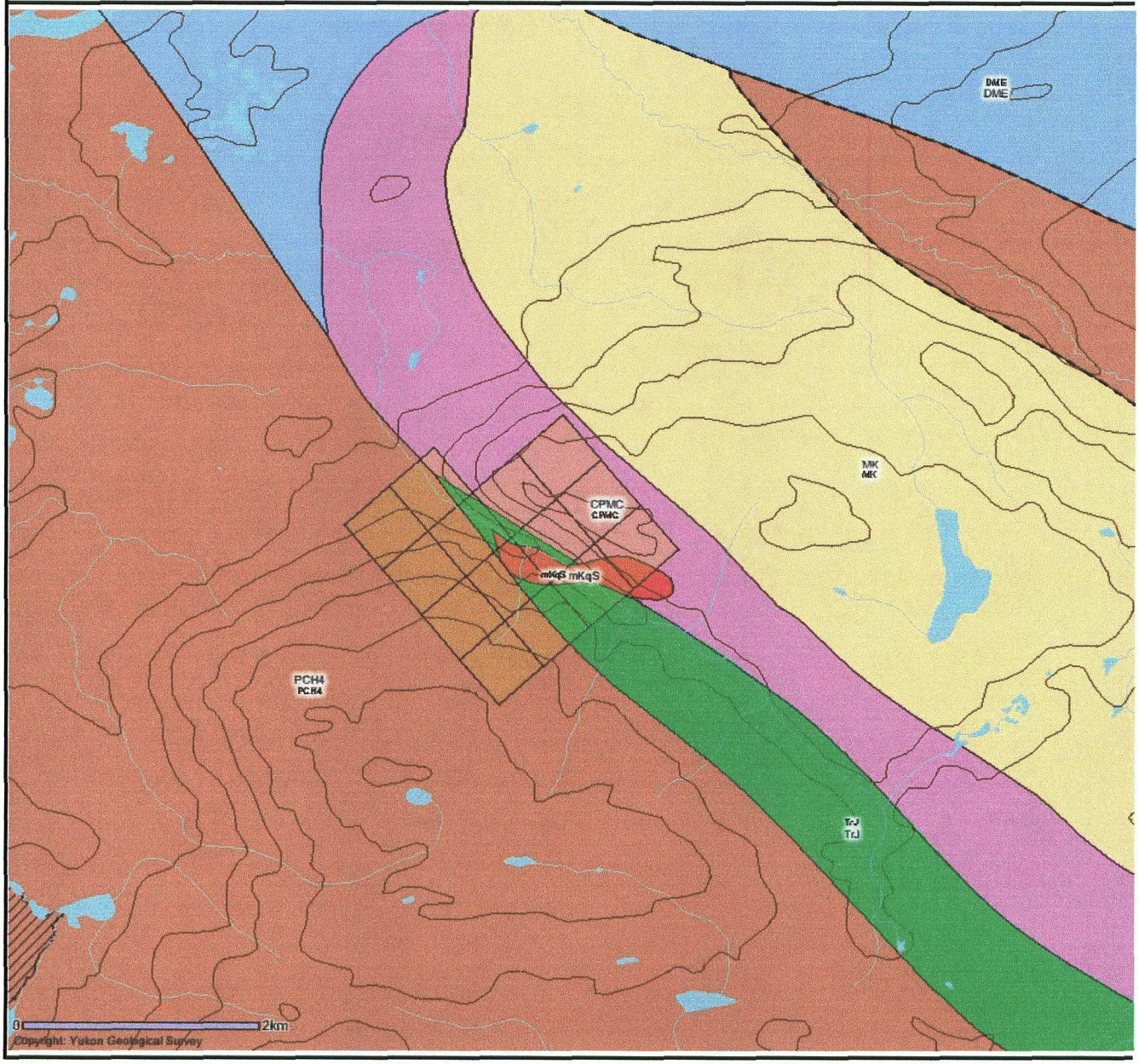
FIGURE 1: Geological units in northwestern Lansing map area.

from Yukon Exploration + Geology 1996, eRock

Period or Epoch	Formation (if established)	Map unit and lithology	Ref. to nearest described locality
Late Early Creatceous	Tombstone Intrusions	Kr rhyolite dykes, biotite felsite KT quartz monzonite, granodiorite	
		Clastic Shelf (Middle Carboniferous to Triassic)	
Triassic	Jones Lake Formation	TJps slate, sandy slate, limestone, calcareous black shale, micaceous, calcareous siltstone, sandstone; grey, non-calcareous shale	Roots et al. 1995
		unconformable	
Mid.Triassic	Mafic intrusions	Td metadiorite, gabbro	Mortensen and Thompson, 1990
		intrusive contact	
Permian	Mt. Christie Formation	PMC green-grey siltsone, argillite, chert	Roots et al., 1995
		conformable	
Permian-Carboniferous		CPp sandstone. argillite, dark grey slate interbedded with laminated quartz sandstone and thick bedded fine-grained quartzite, buff green phyllite.	Roots et al., 1995
Carboniferous	Keno Hill Quartzite	MKH quartzite, carbonaceous schist, limestone	Abbott, 1990a
		MKv chloritic phyllite	Turner and Abbott, 1990
		unconformable	
		Turbidite Basin (Middle Devonian to Middle Carboniferous)	
Devonian to Carboniferous	Earn Group	DME - black shale, sandstone, chert grit, chert pebble conglomerate,minor limestone, siltstone and mudstone DMp - silicious slate, carbonaceous schist, metachert and meta-conglomerate DMv - quartz-sericite-chlorite phyllite, quartz-feldspar augen phyllite uDc- thick bedded coralline limestone	600 ? Abbott and Turner, 1990 Gordey, 1990a 200; Gordey, in prep
		unconformable	
		Selwyn Basin (Late Precambrian to Middle Devonian)	
	Road River Group		
Silurian	Steel Fm.	Ss - grey-green siltstone, chert, minor carbonate	40; Roots et al., 1995
		conformable	
Ordovician to Early Devonian	Duo Lake Fm./ Elmer Creek Fm.	OSD -black, brown argillite, grey and black chert, dark siltstone, minor quartz arenite	~200; Gordey and Anderson, 1993 / Cecile, in press.
		unconformable	
Mid. Cambr. - Ordovician	Gull Lake Formation	COG - olive and brown siltstone, black argillite and shale; grey dolostone or carbonate breccia at base, minor grey quartzite	100-300; Roots et al., 1995
		conformable	
		Hyland Group (Narchilla, Algae Lake, Yuseyzu formations)	
Late Prot. to Mid. Cambr.	Narchilla Formation	PCN - Maroon argillite, grey and brown slate, minor quartz sandstone interbeds	50 ? Roots et al., 1995a,b
	Senoah mbr.	PCNS - siltstone, sandstone...	? Cecile, in press
	Algae Lk.Fm.	PCAL - Limestone...	? Cecile, in press
Late Proterozoic	Yusezyu Formation	PY- Sandstone, grit, psammite, metaconglomerate, chloritic metasiltstone; carbonaceous phyllite or graphitic slate near base; grey limestone, marble lenses near top	3000+ ; Roots et al., 1995a, b

FIGURE 2 *Rock stratigraphic units in Lansing map area.*

Rainbow Geology/Claim Block



of the steep-walled creek. The northeast side is brush-covered talus surmounted by 200-m high vertical, rusty weathering green, grey and brown interlaminated siltstone and fine sandstone, commonly silicified, occurs at the west end and atop the cliffs. This rock, considered part of the southern belt of the green-grey phyllite, has a map width of 2 km to a possible stratigraphic contact with Keno Hill quartzite. Gradations between siltstones and fine sandstone laminae indicate upright bedding. Because adjacent Keno Hill quartzite forms an anticline structure, the grey-green phyllite probably overlies it. The cliff, when viewed from a vantage point across Rainbow Creek, reveals a reticulate pattern of granitic dykes, up to 30 m wide, vertically and horizontally on the face. Talus blocks consist of medium-grained, leucocratic, muscovite granite, and contain up to 1% interstitial sulphide blebs (probably pyrrhotite). The granite has not been described or shown on earlier maps. Because the exposure is steep, the plan view of this intrusion is minute, probably 1300 m long.

PAST WORK RESULTS

General prospecting and two brief property visits by junior mining company geologists (Rimfire and Viceroy) have confirmed area alteration and showing numbers.

Sulphide mineralization, especially pyrite and arsenopyrite and/or pyrrhotite can be readily found as float in Rainbow Creek. Pyrite-rich phyllite and shales are found in outcrop. Trace gold can be found in some pans, though with less consistency than in Congdon Creek, 6 km due east. Congdon has gold with few other heavies and some red garnets, while Rainbow Creek has copious amounts of pyrite.

Bi, W, As and Sb are highly anomalous in some Rainbow Creek samples. Silver values ran over 3opt Ag. Auriferous zones seem to run parallel to dip in NW-striking phyllite in Rainbow Creek. These altered zones are up to 1 m wide.

CURRENT PROGRAM

The Rainbow Project field program started on August 16, 2004 with crew mobilization from Whitehorse to Mayo. The Trans North Bell 206 stationed there was used to ferry the crew to and from the job site. The North Star Inn was used as base of operations for the job except for one night spent in the bush. With all things considered, ferrying was cheaper than paying the daily minimum required by Trans North. Even if economical, the busy fire season would have precluded a standby chopper. The four-man crew was set out daily for contour soil sampling. Two-kilometre lines were covered each day per man with 50-metre stations. The 'B' soil horizon was sampled. For two days the crew prospected creeks flowing out of the project area for gold. A small sluice box was utilized to test creeks reported in 1907 (J. Keele Report) as having 'course gold' in surface gravels. A rubber raft was used as transport and a primitive camp employed for one night. The crew and samples were demobilized to Whitehorse on August 22, 2004.

The soils program consisted of eleven 2-km-long soil contour lines. The line locations were chosen for two reasons: firstly, to test the edge of what is being interpreted as a buried intrusion using government airborne mag data; the second goal, to try to narrow the focus of exploration based on the widespread placer gold in the area.

The placer testing portion of the program also had two goals: firstly, to verify that the creeks draining the area of interest did have gold, as reported one hundred years previously; and secondly, to test an area that visually mirrors

the alteration found in Rainbow Canyon, an area of known gold mineralization. This area was directly across the Stewart River, 5 miles to the north. All sample locations were recorded with hand-held GPS units.

Weather was hot and various fires could be seen from the property. Smoke, while at times thick, did not prevent travel to the site. One worker was treed by a curious bear.

RESULTS

Three hundred and thirty soils and twelve rock samples were sent for analysis to ACME Labs in Vancouver, using their multi-element 1DX package with 15 g samples for soils and 30 g samples for rocks. Anomalous soils were considered those greater than 10 ppb Au. The highest value for soils was 188 ppb Au. There was a good correlation between Au, Sb, Bi and As. 12.7% of the samples are anomalous in gold, most coming from four lines. Permafrost, topography and an inexperienced sampler were problematic. Yankee Hat Industries, in a December 14, 2004 press release on a property Shanghai along strike of the Robert Service Thrust, used threshold anomalies of 18, 35 and 94 ppb Au for the 90, 95 and 98 percentile cut-offs. Using this system, 13 of the 330 samples were above the 95%, for 3.9% of all samples. Approximately 82% of the proposed sampling was done although three lines had much organic contamination.

Lines 11 and 1, running along the ridge top and creek bottom respectively, have kilometre-long, semi-continuous Au and As anomalies. These two lines lie just southwest of a mag high and in the brown area of intrusive dikes. Lines 5 and 6, which lie to the north of the mag anomaly, have more scattered but important anomalies.

The continuity of anomalies (Au, As, Sb, Bi) between the end of line 11 and the first quarter of line 5 outline an important target for further exploration. Limonitic quartz breccia and Fe alterations were found throughout this section.

Anomalies on line 6 were weak and scattered. No Au anomalies were found on line 8 despite an anomalous gold value of 194 ppb from quartz float picked up in an area of 100 m^2 from a previous year at around Station 1250.

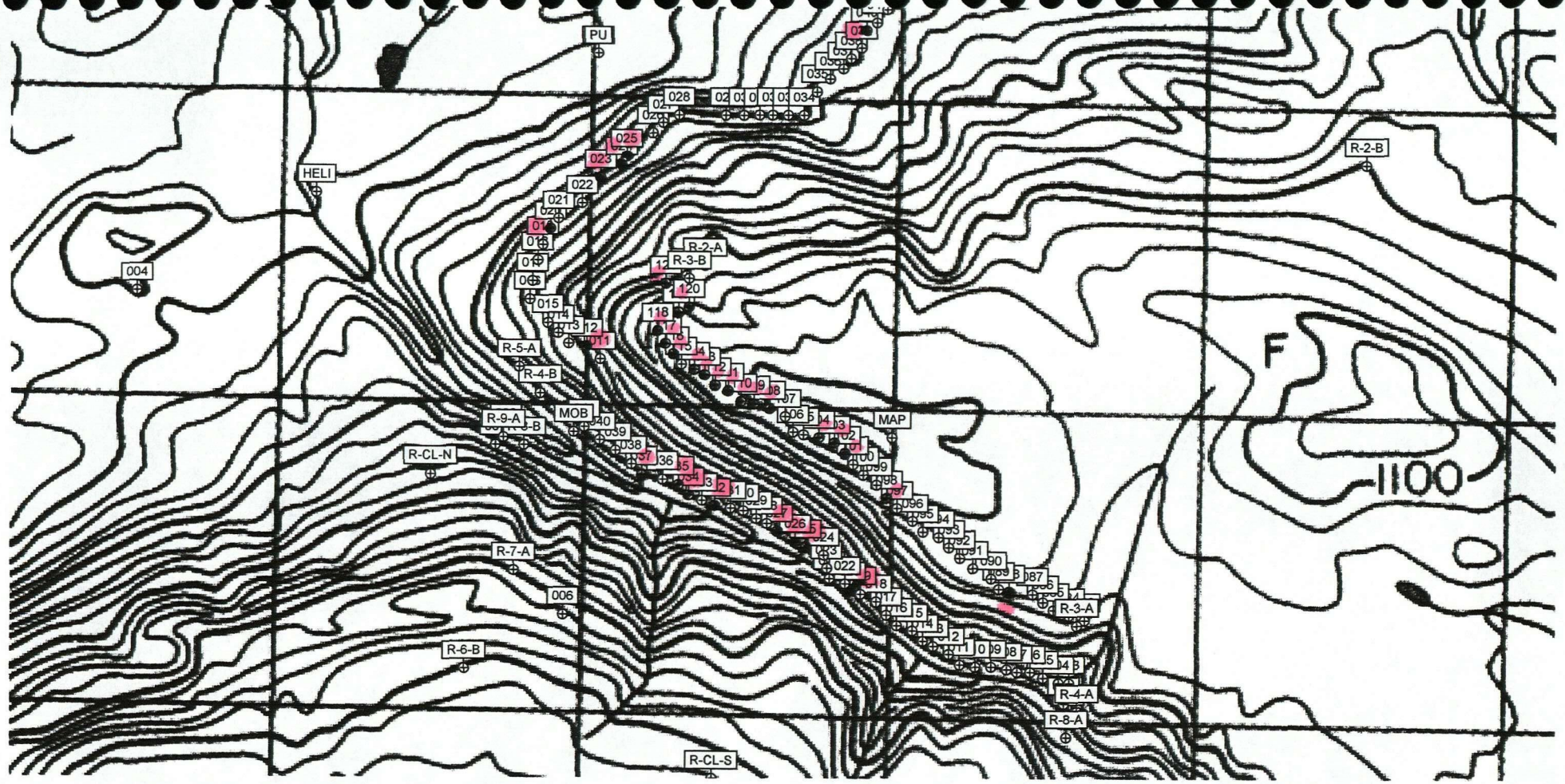
No anomalies were reported on lines 2, 8, 3, 7, 9 and 10. Poor sampling techniques were employed on lines 3, 6 and 7.

The soil lines identify the area of alteration and intrusive dikes in Rainbow Canyon as anomalous. The main showing and a second showing of massive pyrite just up-creek from the main showing (Sample 139053) did not stand out on the anomaly map. A third, new showing was discovered this season at the mouth of the canyon. It consists of trace copper and lead in a grungy, limy sediment (139057). It 'assayed' 0.135% Cu >1% Pb, >1% Zn, >10,000 As, 329 ppb Au, with high Cd, Sb, Se.

Along the Stewart River, all streams with gravel bed produced trace gold. This includes Congdon, Hope and Rainbow Creeks. Samples were taken from altered outcrop, ferricretes, and a very rusty creek. These samples were sub-anomalous in Au.

Silts samples SSA and SSB tested a small creek draining a gossan across the Stewart River from Congdon Creek and a very rusty-bottomed creek on the same limit 1 km upstream respectively. SSA was at or greater than the 90th percentile (Selwyn Basin Statistics – map gallery) in Zn, Cd and Hg; SSB in As, Fe, Mn and Hg.

Eight new claims were staked adjacent to the existing block and recorded.



Rainbow Soils • > 10 ppb Au

N

CONCLUSIONS

The soils program at Rainbow reflects the effects of the Robert Service Thrust. Values seem to be in the footwall, northeast of the creek that parallels the fault trace.

Sampling on line 4, immediately south of the creek, did not necessarily reflect the two known showings in the creek. Permafrost was a problem throughout the entire area.

Given the widespread As, Sb, Bi, Au values and placer gold, it is safe to conclude the area is conducive to an intrusive hosted type of mineral deposit.

RECOMMENDATIONS

The following steps should be taken to advance the Rainbow project:

- Mapping of geology and alterations
- Ground geophysics along contacts, across the fault, and over and beyond the known aeromag target.
- More soil sampling in footwall area
- Prospecting
- Helipad construction throughout the area
- Follow-up prospecting on creeks with placer gold, especially Hope and Congdon Creeks
- Geophysics on the flats, north of a projection of the soil anomalies from line 11 to line 5

REFERENCES

Roots, C. F. 1997. Upper Paleozoic strata with massive sulphide mineralization, northwestern Lansing map area, (105N), Yukon. In: *Yukon Exploration and Geology, 1996*, Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, p. 138-146.

APPENDIX A

"END OF THE" CLAIMS SAMPLE DESCRIPTION

"END OF THE" CLAIMS SAMPLE DESCRIPTION

139052	Line 5 – 1025: white quartz (quartzite?), with multiple cross-cutting, limonitic-coated fractures (possible breccia)
139053	Pyrite showing (above 4.11 g showing): pyrite cubes in grey, slightly calcareous matrix, 40% pyrite
139054	Line 5 – 800: 1" white quartz vein with trace Mg, pyrite, limonite and Fe staining
139055	Mouth of Rainbow Creek, south side: white to grey quartz with limonite in shale
139056	Rainbow Creek: grey blocky sediment with sub-parallel quartz veins (less 1 mm to 0.5 cm) with trace Fe, Mg and disseminated pyrite, calcareous on surface
139057	Mouth of Rainbow Creek, south side – white calcite clasts in grey breccia: black limy sediment with trace Pb, Cu. Sapholerite in calcite.
139058	Right limit Stewart, across from mouth of Congdon Creek: yellow-coated white shale, trace Mg, with rare 1" fine-grained grey massive sulfide 'blebs'
139059	Stewart River, right limit: ribbed 1" quartz vein with strong limonite in shale
139060	Stewart River, right limit: ferricrete of shale and rare quartz pebble
139061	Limonitic quartz float at mouth of Rainbow Creek
139062	Large outcrop at break in slope of limonitic rich quartz breccia, grey with 'red grains' (helicopter pick-up site)

Silts

SSA	Creek draining Congdon gossan 'north side Stewart'
SSB	Rust Creek – upstream and opposite Congdon Creek

APPENDIX B

ASSAYS

From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R(
To Berdahl, Ron
Acme file # A406682 Received: OCT 25 2004 * 33 samples in this disk file.

ELEMENT	S.Wt	NAu	#NAME?	DupAu	TotAu
SAMPLES	gm	mg	gm/mt	gm/mt	gm/mt
SI	<1	<.01	<.01	-	<.01
A139051	86	<.01	0.1	-	0.1
A139052	351	<.01	<.01	-	<.01
A139053	176	<.01	0.04	-	0.04
A139054	773	<.01	0.01	-	0.01
A139055	182	<.01	<.01	-	<.01
A139056	414	<.01	<.01	-	<.01
A139057	1657	<.01	0.5	-	0.5
A139058	446	<.01	0.02	-	0.02
A139059	586	<.01	<.01	-	<.01
A139060	1099	<.01	0.01	-	0.01
A139061	1712	<.01	0.01	-	0.01
A139062	1867	<.01	<.01	-	<.01
A139063	598	<.01	0.07	-	0.07
A139064	1411	<.01	0.01	<.01	0.01
A139065	798	<.01	<.01	-	<.01
A139066	909	0.75	2.15	-	2.98
A139067	253	1.12	23.14	-	27.57
A139068	145	<.01	0.13	-	0.13
A139069	259	<.01	0.03	-	0.03
A139071	442	<.01	0.01	-	0.01
A139072	279	<.01	0.02	-	0.02
A139073	173	<.01	0.01	-	0.01
A139074	485	<.01	<.01	-	<.01
A139075	715	<.01	1.44	-	1.44
A139076	581	<.01	0.86	-	0.86
A139095	381	<.01	0.02	-	0.02
A139096	817	<.01	0.11	-	0.11
A139097	336	<.01	1	-	1
A139098	267	<.01	0.11	-	0.11
A139099	67	<.01	0.02	-	0.02
A139100	288	<.01	0.02	-	0.02
STANDAR	<1	<.01	3.35	-	3.35

From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R
To Berdahl, Ron
Acme file # A406682 Received: OCT 25 2004 * 33 samples in this disk file.
Analysis: GROUP 1DX - 30.0 GM

ELEMENT Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn
SAMPLES ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
SI 0.4	0.7	0.5	1	<.1	0.9	0.1	18
A139051 0.1	807.6	51.5	120	16.4	9.3	1.7	31
A139052 3.2	19.3	6.8	14	0.1	4.6	1.2	83
A139053 0.6	668.5	233	15	6.2	8	34.3	719
A139054 0.5	29.5	4.4	13	0.1	5.1	1.1	52
A139055 1.6	5.8	15.5	20	<.1	4.5	1	204
A139056 1.3	34.5	6.4	307	0.3	35.8	4	1905
A139057 0.4	1355.9	>10000	>10000	81	0.4	0.1	10856
A139058 0.7	58.2	114	125	0.5	18.4	6.3	345
A139059 24.3	51.7	20.4	839	0.5	59.7	7.8	587
A139060 2.7	47.3	10.9	3413	0.2	187.6	40.2	1449
A139061 20	608	137	499	4.2	17.6	23.2	533
A139062 0.7	67.3	25.2	137	0.3	7	1.8	149
A139063 0.5	108.5	12.6	46	0.5	6.2	35.8	878
A139064 0.6	91.9	95.1	60	0.3	11.3	7	703
RE A1390(0.7	90.2	93	62	0.3	11.2	6.9	717
A139065 0.3	18.1	7.9	34	0.1	18.1	8.1	433
A139066 0.7	696.4	>10000	875	24.6	2.1	0.7	99
A139067 1	782.3	3221	1134	18.6	2.7	1.8	149
A139068 0.7	247.5	110	103	1	9.1	21.5	1306
A139069 1.6	12.3	35.9	44	0.1	26.2	6.1	614
A139071 2.2	9.8	23.1	6	0.1	1.5	0.4	87
A139072 0.2	2.8	9.9	4	<.1	1.6	0.4	98
A139073 0.4	25.5	7.8	5	<.1	2.9	0.7	106
A139074 0.6	3.9	5.9	19	<.1	7.1	4.2	382
A139075 0.4	17.3	9.1	30	0.1	23.4	7	259
A139076 0.3	7.3	4	3	0.1	3.6	1.8	95
A139095 0.7	27.3	2.4	22	0.1	7.1	3.2	436
A139096 0.2	3.4	2.3	3	0.1	1.8	0.6	102
A139097 0.3	2.5	1.9	6	<.1	2.8	0.8	121
A139098 10.9	37.6	111	80	1.8	4.1	1.3	210
A139099 1.4	121.5	3.9	16	0.1	20	17.7	165
A139100 9.1	92.4	5.6	81	0.3	64.3	13.4	2262
STANDAR 13	142.6	24.2	138	0.2	25.1	12	761

Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm
0.07	<.5	0.1	2.9	0.1	3	<.1	15.1	<.1
0.17	0.5	0.1	82	<.1	148	9.3	>2000	0.6
1.02	3	0.2	0.6	0.9	3	0.1	1458.9	0.1
18.45	>10000	0.2	12.6	0.9	285	0.6	>2000	206
0.88	51.5	0.2	4.2	1	11	<.1	146.4	1.7
1.36	5.6	0.1	1.1	0.3	104	0.2	42.9	0.1
19.7	6.1	1.3	0.5	0.5	398	3.8	12.1	0.1
2.32	>10000	0.7	329.5	0.6	177	226.9	398.9	<.1
3.29	97.2	0.1	16.8	0.1	77	1.1	14.5	<.1
6.35	63.4	4.9	0.6	1.6	421	3.8	14.1	<.1
36.76	17.6	8.9	0.7	1	104	1	2.7	0.1
7.81	36.8	0.4	2.9	0.8	47	6.6	8.9	12.3
1.55	7.1	0.2	<.5	0.9	8	1	2.3	0.4
5.13	1705.7	<.1	60.3	0.2	172	0.3	2.9	0.1
3.17	13.3	0.1	4.7	0.1	181	0.3	1.2	0.4
3.18	12.4	0.1	1.6	0.1	178	0.2	1.3	0.4
2.34	3.4	0.1	1.9	1.3	7	0.1	1	<.1
1.64	30.4	0.1	2420.3	<.1	4	5.6	16.5	3
2.28	14.3	0.2	24997.8	0.2	6	3	4.7	0.4
6.42	371.9	0.1	83.7	0.2	116	0.2	2	<.1
1.82	7.7	1.1	21.4	4.7	14	0.1	0.9	<.1
0.83	7.6	0.1	6	0.2	2	0.1	1.9	<.1
0.72	1.1	<.1	5.2	<.1	2	<.1	0.7	<.1
0.97	1.5	<.1	8.3	0.1	2	<.1	1.2	<.1
2.19	4.3	0.3	3.1	0.4	2	0.2	1.4	<.1
1.92	1.5	1	3.3	8.9	6	0.1	0.7	0.4
0.71	4.2	<.1	2	<.1	1	<.1	0.4	0.3
0.96	1.1	0.3	5.1	0.6	4	0.1	0.5	0.1
0.63	2	<.1	4.6	0.1	1	0.1	0.4	0.1
0.75	0.8	0.1	1.4	0.2	4	0.1	0.4	<.1
4.86	424.3	3.3	19.1	4.2	57	2.2	9.2	1.5
2.28	21.3	0.8	3.3	1.3	5	<.1	3.6	0.1
35.11	<.5	5.7	9.6	0.9	6	0.9	60.8	0.2
2.99	18	6.1	45.1	2.9	50	5.7	4	6.1

V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm
<1	0.14	0.001	<1	1	0.01	4	0.001	<1
1	0.72	<.001	<1	<1.0	0.04	39	<.001	5
9	0.04	0.018	2	8	0.02	10	0.001	<1
24	11.53	0.033	1	5.9	3.72	31	0.001	1
8	0.07	0.013	4	7.7	0.16	142	0.005	<1
4	1.09	0.012	1	4.3	0.33	76	<.001	<1
60	0.81	0.039	2	27.8	2.04	81	0.003	4
4	11.97	0.047	11	1.3	0.21	49	<.001	<1
3	0.16	0.013	1	5.1	0.24	38	0.001	<1
149	4.49	0.048	5	8.6	2.12	708	0.009	2
10	0.31	0.023	6	5.4	0.19	709	0.002	1
3	1.38	0.03	2	4.6	0.68	28	0.001	<1
12	0.06	0.008	3	7.3	0.04	40	0.001	<1
41	3.21	0.04	2	1.6	0.82	39	0.008	<1
23	3.72	0.025	2	1.7	0.27	36	0.005	1
23	3.74	0.024	2	1.9	0.27	36	0.004	2
35	0.13	0.042	4	37.5	1.23	45	0.005	2
4	0.01	0.003	<1	2.1	0.02	9	0.001	<1
9	0.07	0.011	6	3	0.09	18	0.008	1
89	2.32	0.044	2	4	0.53	82	0.025	1
17	0.48	0.077	16	13.4	0.21	95	0.004	<1
3	0.01	0.019	1	1.8	<.01	61	0.001	<1
1	0.01	0.001	<1	1.8	<.01	10	<.001	<1
2	0.01	0.003	<1	2.8	0.03	73	0.002	<1
8	0.05	0.01	3	3.5	0.13	58	0.001	<1
15	0.11	0.024	18	17.2	0.34	69	0.024	3
1	0.01	<.001	<1	1.2	0.01	4	<.001	1
7	0.12	0.017	3	3.6	0.06	93	0.006	<1
2	0.01	0.001	<1	1.7	0.01	7	0.001	<1
1	0.06	0.008	1	1.9	0.02	10	<.001	<1
137	0.11	1.149	8	19.5	0.05	183	0.017	6
24	0.12	0.018	4	14.9	0.28	26	0.029	3
46	0.07	0.028	5	7	0.12	8	0.004	<1
62	0.77	0.093	13	191.6	0.68	141	0.109	19

Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	
0.01	0.519	0.01	<.1		0.01	<.1	<.1	<.05	<1	
0.04	0.193	0.02	<.1		5.3	<.1		0.1	0.11	<1
0.07	0.011	<.01		0.2	0.05	0.6	<.1	<.05	<1	
0.09	0.004	0.02	<.1		0.06	2.6	<.1	>10		1
0.28	0.003	0.04		0.1	0.14	0.7	<.1	<.05		1
0.05	0.006	0.02	<.1		0.04	0.7	<.1	<.05	<1	
0.83	0.003	<.01		0.1	0.1	5.1		0.1	2.17	3
0.06	0.006	0.06	<.1		3	<.1	<.1		3.15	2
0.23	0.005	0.02		0.1	0.08	1	<.1		2.98	<1
0.57	0.01	0.1		0.1	0.25	1.4		0.5	0.13	2
0.34	0.008	0.06	<.1		0.05	4.5		0.1	<.05	1
0.11	0.003	0.04		0.1	0.97	2		0.2	5.41	<1
0.05	0.001	0.01		0.1	0.2	0.7	<.1		0.07	<1
0.42	0.024	0.17		0.5	<.01	10.5		0.1	2.98	2
0.33	0.009	0.08		0.1	<.01	6.1	<.1	<.05		1
0.34	0.009	0.09		0.1	0.01	6	<.1	<.05		1
1.23	0.003	0.12	<.1	<.01		4.1	<.1	<.05		3
0.04	0.003	0.01		0.1	0.03	0.1	<.1		0.22	<1
0.15	0.003	0.02		0.5	0.05	2.1	<.1	<.05		1
1.17	0.068	0.24		1	0.01	13.9		0.1	1.8	4
0.71	0.025	0.31		0.1	<.01	2.9		0.2	<.05	2
0.03	0.002	0.01	<.1	<.01		0.2	<.1	<.05	<1	
0.01	0.004	<.01	<.1		0.01	0.1	<.1	<.05	<1	
0.04	0.002	0.02	<.1	<.01		0.1	<.1	<.05	<1	
0.5	0.001	0.08	<.1	<.01		2.4	<.1	<.05		1
0.75	0.015	0.24	<.1		0.01	1.7		0.1	<.05	3
0.04	0.001	0.02	<.1	<.01		0.1	<.1	<.05	<1	
0.13	0.002	0.07	<.1	<.01		0.3	<.1	<.05		1
0.03	0.002	0.01	<.1	<.01		0.1	<.1	<.05	<1	
0.05	0.004	0.03	<.1		0.01	0.1	<.1	<.05	<1	
0.51	0.008	0.67		0.6	0.05	3.2		0.2	1.01	3
0.44	0.022	0.04	<.1		0.01	2.8	<.1	<.05		2
0.21	0.002	0.04		0.1	0.17	0.8		0.5	>10	1
2.05	0.033	0.15		4.8	0.19	3.5		1.1	<.05	6

Se ppm
<.5
<.5
<.5
24.8
0.5
<.5
11.9
52.5
0.8
8.5
1.9
9.7
0.7
1.2
0.6
0.7
<.5
3
1.7
0.9
<.5
<.5
<.5
<.5
<.5
0.9
<.5
<.5
<.5
<.5
17.2
<.5
63.5
5

ELEMENT	Tl	S		Ga		Se	
RL10 1650	0.1	<.05			3	<.5	
RL10 1700	0.1	<.05			3	<.5	
RL10 1750	0.1		0.1		2		0.7
RL10 1800	0.3	<.05			4		2
RL10 1950	0.1	<.05			4		1
RL10 2000	0.2	<.05			2		1.9
RL11 0	0.1	<.05			4		0.8
RL11 50	0.2	<.05			5		1.8
RL11 100	0.1	<.05			3		0.6
RL11 150	0.1	<.05			4		1
RL11 200	0.1	<.05			4		0.8
RE RL11 2	0.1	<.05			4		0.9
RL11 250	0.1	<.05			2		0.5
RL11 300	0.1	<.05			4		0.6
RL11 350	0.1	<.05			4		0.5
RL11 400	0.1		0.09		4		3.1
RL11 450	0.1	<.05			5		1.4
RL11 500	0.1	<.05			4		1
STANDAR	1	<.05			7		4.8
RL11 550	0.2		0.12		3		1.2
RL11 600	0.1		0.19		3		2.9
RL11 650	0.1		0.12		3		1.8
RL11 700	0.2		0.1		4		1.5
RL11 750	0.1		0.07		3		1.2
RL11 800	0.2		0.15		4		3.2
RL11 850	0.2		0.11		8		2.9
RL11 900	0.1	<.05			4		0.8
RL11 950	0.5		0.07		8		3.7
RL11 1000	0.3	<.05			6		1.2
RL11 1050	0.2	<.05			7		2
RL11 1150	0.2	<.05			7		1.5
RL11 1200	0.2	<.05			5		1.6
RL11 1250	1		0.13		4		2.3
RL11 1300	0.3	<.05			7		2.9
RL11 1350	0.5	<.05			15		1.6
RL11 1400	0.2	<.05			16		1.5
RL11 1450	0.2	<.05			11		1.3
RL11 1500	0.3	<.05			16		1.2
RL11 1550	0.3	<.05			14		1.5
RL11 1600	0.3	<.05			10		2.3
RE RL11 1	0.3	<.05			10		2.4
RL11 1650	0.2	<.05			7		3.1
RL11 1700	0.2	<.05			9		3.5
RL11 1750	0.1	<.05			7		1.3
RL11 1800	0.1	<.05			4		2.1
RL11 1850	0.2	<.05			5		2.1
RL11 1900	0.2	<.05			8		1.5
RL11 1950	0.2		0.06		7		3.8
RL11 2000	0.2	<.05			5		2.5
R-8	0.1	<.05			5		0.9
R-9A	0.3		0.11		1		9

ELEMENT Ti	B	Al	Na	K	W	Hg	Sc	
RL10 1650	0.002	3	1.13	0.006	0.15	0.1	0.04	2.7
RL10 1700	0.003	1	1.01	0.004	0.21	0.1	0.04	2.2
RL10 1750	0.002	4	0.54	0.004	0.06	<.1	0.12	1.2
RL10 1800	0.004	<1	1.55	0.007	0.09	0.1	0.17	4.1
RL10 1950	0.005	1	1.24	0.01	0.06	0.1	0.22	3.2
RL10 2000	0.002	1	1.04	0.004	0.08	0.1	0.35	4.8
RL11 0	0.015	1	1.02	0.006	0.1	0.1	0.14	2.2
RL11 50	0.004	1	1.68	0.008	0.16	0.1	0.31	3.3
RL11 100	0.01	2	0.86	0.005	0.07	0.2	0.13	1.6
RL11 150	0.01	1	1.05	0.005	0.09	0.1	0.24	2.3
RL11 200	0.009	1	1.09	0.005	0.08	0.1	0.18	2
RE RL11 2	0.009	1	1.15	0.005	0.09	0.1	0.16	2
RL11 250	0.001	1	0.59	0.002	0.08	<.1	0.37	3.7
RL11 300	0.003	<1	1.18	0.005	0.07	0.1	0.1	2.1
RL11 350	0.007	1	1.09	0.005	0.09	0.1	0.2	2.3
RL11 400	0.006	2	1.19	0.008	0.08	0.2	0.22	2.1
RL11 450	0.007	2	1.41	0.007	0.11	0.1	0.2	2.6
RL11 500	0.007	1	1.27	0.01	0.09	0.2	0.2	2.4
STANDAR	0.1	16	2.13	0.034	0.15	4.6	0.18	3.5
RL11 550	0.011	1	0.86	0.007	0.07	0.1	0.23	3.1
RL11 600	0.007	2	0.92	0.008	0.05	0.1	0.24	2.9
RL11 650	0.005	1	0.9	0.006	0.07	0.1	0.22	2.7
RL11 700	0.01	1	1.14	0.014	0.09	0.1	0.41	3.9
RL11 750	0.016	<1	0.95	0.01	0.05	0.2	0.21	3.2
RL11 800	0.011	3	1.34	0.017	0.1	0.2	0.27	3.9
RL11 850	0.024	3	2.05	0.083	0.11	0.2	0.13	4.6
RL11 900	0.011	<1	1.17	0.005	0.06	0.2	0.03	2.2
RL11 950	0.009	2	2.37	0.009	0.14	0.2	1.04	12.9
RL11 1000	0.015	3	1.63	0.036	0.11	0.2	0.16	6
RL11 1050	0.004	2	1.89	0.013	0.05	0.2	0.05	10.9
RL11 1150	0.009	1	2.04	0.006	0.07	0.2	0.09	4.3
RL11 1200	0.014	2	1.43	0.007	0.05	0.2	0.05	2.9
RL11 1250	0.007	5	1.09	0.008	0.16	0.2	1.03	9
RL11 1300	0.02	3	1.96	0.019	0.27	0.2	0.09	7.3
RL11 1350	0.026	2	2.93	0.003	0.29	0.1	0.06	9.5
RL11 1400	0.083	3	4.65	0.013	0.13	0.5	0.06	7.6
RL11 1450	0.045	2	3	0.018	0.08	0.3	0.04	4.6
RL11 1500	0.051	2	4.2	0.265	0.16	<.1	0.04	9.1
RL11 1550	0.033	1	4.93	0.054	0.07	0.1	0.03	6.5
RL11 1600	0.024	2	3.3	0.023	0.12	0.3	0.03	5.3
RE RL11 1	0.025	2	3.21	0.021	0.12	0.3	0.04	5.2
RL11 1650	0.04	1	2.15	0.013	0.06	0.3	0.04	4.4
RL11 1700	0.03	<1	3.83	0.01	0.09	4.7	0.04	5.2
RL11 1750	0.012	1	2.09	0.005	0.05	0.6	0.03	2.7
RL11 1800	0.015	1	1.35	0.007	0.06	0.3	0.22	3.5
RL11 1850	0.025	1	1.88	0.008	0.08	0.9	0.13	3.3
RL11 1900	0.023	1	2.02	0.007	0.07	0.5	0.06	3.1
RL11 1950	0.02	2	2.85	0.02	0.07	1.7	0.05	3
RL11 2000	0.014	2	1.46	0.008	0.11	0.6	0.19	2.8
R-8	0.101	2	2.19	0.018	0.11	0.1	0.03	4
R-9A	0.002	3	0.46	0.006	0.08	0.1	0.34	3.7

ELEMENT Bi	V	Ca	P	La	Cr	Mg	Ba	
RL10 1650	0.6	24	3.79	0.029	14	16.6	0.25	583
RL10 1700	0.7	23	0.66	0.017	20	13.2	0.18	285
RL10 1750	0.4	12	2.3	0.056	18	9.3	0.18	177
RL10 1800	1.2	48	0.34	0.044	18	28.7	0.35	808
RL10 1950	1.1	37	0.99	0.061	19	22	0.33	454
RL10 2000	0.9	34	0.28	0.113	22	21.1	0.21	567
RL11 0	0.8	35	0.21	0.084	16	20.3	0.37	389
RL11 50	0.9	56	0.77	0.076	13	25.9	0.37	1110
RL11 100	0.5	33	0.51	0.064	13	16.9	0.32	291
RL11 150	0.9	40	0.26	0.07	18	21.6	0.34	596
RL11 200	1	41	0.22	0.054	17	20.3	0.33	487
RE RL11 2	1	43	0.22	0.055	17	20.4	0.34	477
RL11 250	0.5	18	0.03	0.028	19	9.5	0.08	2149
RL11 300	1.5	46	0.15	0.029	15	19.1	0.25	1242
RL11 350	1.3	34	0.42	0.061	18	19.6	0.31	679
RL11 400	1	35	1.02	0.101	13	20.3	0.32	705
RL11 450	1	47	0.63	0.088	16	24.9	0.37	805
RL11 500	1	43	1	0.065	15	22.4	0.34	696
STANDAR	6.3	65	0.77	0.089	13	190.7	0.68	147
RL11 550	1.2	32	0.29	0.084	15	19.3	0.32	660
RL11 600	1.1	29	0.99	0.063	12	17.5	0.3	666
RL11 650	1.3	31	0.58	0.077	13	18.4	0.25	648
RL11 700	2.5	38	0.63	0.071	18	24.2	0.38	573
RL11 750	2.6	34	0.41	0.081	18	21.1	0.37	592
RL11 800	3.8	41	1.46	0.071	15	24.5	0.4	713
RL11 850	7.3	62	1.36	0.151	16	40.1	0.84	401
RL11 900	1.5	38	0.2	0.025	11	20.5	0.39	280
RL11 950	30.2	121	0.44	0.095	60	49.3	0.59	322
RL11 1000	2	53	0.75	0.087	18	30.6	0.57	402
RL11 1050	6.9	60	1.15	0.084	52	38.4	0.43	269
RL11 1150	2.9	59	0.08	0.03	11	36.6	0.61	170
RL11 1200	4.6	47	0.25	0.08	14	26.2	0.48	298
RL11 1250	6.7	68	1.51	0.118	18	31.1	0.51	443
RL11 1300	21.3	93	0.63	0.079	26	42.7	0.88	396
RL11 1350	2.3	231	0.26	0.072	58	90.2	1.35	85
RL11 1400	10.2	137	0.18	0.058	16	72	1.43	127
RL11 1450	11.5	94	0.48	0.04	13	48.5	0.89	171
RL11 1500	5.9	88	1.37	0.141	26	70.8	1.44	218
RL11 1550	3.6	121	0.79	0.049	20	56.8	1.17	392
RL11 1600	28.5	86	0.57	0.102	11	43.2	0.93	252
RE RL11 1	28.2	87	0.57	0.099	12	41.7	0.89	254
RL11 1650	4.5	62	0.23	0.044	15	38.4	0.81	216
RL11 1700	32.5	54	0.3	0.11	13	35.9	0.61	141
RL11 1750	18.1	55	0.12	0.032	10	26.2	0.47	189
RL11 1800	6	35	0.25	0.064	18	22.4	0.44	366
RL11 1850	4.1	37	0.35	0.088	14	26.6	0.51	312
RL11 1900	6.3	76	0.1	0.057	10	31.8	0.48	152
RL11 1950	39.6	36	0.52	0.102	10	22.8	0.38	123
RL11 2000	2.7	42	0.2	0.067	11	23.1	0.43	307
R-8	0.4	67	0.27	0.053	10	38.4	0.82	148
R-9A	0.4	25	1.46	0.224	11	12.2	0.28	468

ELEMENT Fe	As	U	Au	Th	Sr	Cd	Sb	
RL10 1650	2.77	42.9	0.6	1.2	5.5	118	0.3	1.1
RL10 1700	2.63	49.7	0.8	0.8	8.9	41	0.2	0.8
RL10 1750	2.36	22	2.1	1.1	3.1	134	0.3	0.8
RL10 1800	4.46	92.2	1.1	3.9	5.9	30	0.5	2.6
RL10 1950	3.18	68.5	3.9	7.1	5.7	96	0.2	1.2
RL10 2000	4.07	69.1	1	4.3	6.5	24	0.5	3.1
RL11 0	2.6	35.6	0.8	2.8	4.5	24	0.4	1.8
RL11 50	2.88	43.3	2.2	3.9	3	59	1	1.7
RL11 100	2.15	36.4	0.6	1.5	3.3	34	0.3	1.7
RL11 150	2.78	52.7	0.9	4.1	4.6	24	0.3	2.3
RL11 200	2.67	67.2	0.9	3.8	3.8	20	0.4	2
RE RL11 2	2.55	66.8	0.8	4.7	3.8	21	0.4	2
RL11 250	3.3	15.9	2.5	26	5.2	41	0.1	1.4
RL11 300	2.87	97.1	0.6	8.2	3.5	37	0.3	1.7
RL11 350	2.46	63	1.1	3.3	4.3	30	0.3	1.6
RL11 400	2.51	51.1	2.4	3.3	2.3	48	0.7	1.4
RL11 450	2.72	54.6	2.3	3.1	3.8	36	0.2	1.7
RL11 500	2.94	62.1	1.7	3.7	3.8	41	0.3	1.8
STANDAR	3.15	18.8	6.1	41.6	3	51	5.6	4.1
RL11 550	2.93	66	1	2.8	4.7	33	0.7	2.2
RL11 600	2.38	54.2	2.6	4.5	2.8	44	0.6	1.8
RL11 650	3.44	78.6	1.2	8.2	3.6	34	0.5	2.8
RL11 700	3.26	103	1.8	11	5.2	36	0.6	2.3
RL11 750	2.95	184.1	1.1	12.2	6	31	0.4	2.1
RL11 800	2.62	373.2	3.4	7.2	3.3	49	2.9	2.5
RL11 850	3.31	768.9	2.4	8.7	3.4	71	0.3	1.7
RL11 900	2.43	148.2	0.5	5.5	3.3	13	0.1	1.1
RL11 950	8.62	4398.7	4.1	80.7	11.3	43	0.4	4.8
RL11 1000	3.05	1153.4	2.3	13.2	7	37	0.2	2.6
RL11 1050	5.51	779.3	2.3	14	11.2	36	0.2	1.7
RL11 1150	3.37	74.9	0.9	9	5.8	12	0.1	1.6
RL11 1200	2.84	58.3	0.8	5.9	3.4	22	0.1	0.9
RL11 1250	5.06	167.8	1	21.6	4.7	63	0.3	1.6
RL11 1300	4.62	294.2	1.4	57.4	7	27	0.3	1.7
RL11 1350	5.04	30	1.4	9.7	12.7	12	<.1	1.1
RL11 1400	4.24	66	3.6	31.3	7.7	15	<.1	1.3
RL11 1450	4.03	88.9	1	58	5.2	49	0.1	1.1
RL11 1500	3.67	247	1.2	34.5	9.4	70	<.1	0.6
RL11 1550	2.96	126.8	1.8	20	10	301	<.1	0.8
RL11 1600	5.4	4364.4	2	57.3	6.2	36	0.2	1.7
RE RL11 1	5.41	4477.1	2	58.5	6.2	37	0.3	1.8
RL11 1650	3.41	467.4	1.1	9.8	6.3	22	0.1	1.4
RL11 1700	5.36	326.2	1.9	188	9.6	23	0.2	1.5
RL11 1750	3.83	154.8	0.5	37.4	3.3	13	0.2	1.3
RL11 1800	2.98	622.3	1.7	10	4.6	20	0.2	1.4
RL11 1850	2.86	625.7	2.7	14.9	3.3	24	0.2	1
RL11 1900	4.05	608.4	0.9	10.1	4.2	18	0.2	1.5
RL11 1950	6.04	3574.4	1.2	75.2	4.4	37	0.2	1.4
RL11 2000	2.66	301.9	1.7	7.9	3.3	53	0.3	1.1
R-8	3.11	32.7	0.9	7.1	2.6	24	0.8	0.8
R-9A	2.89	39.2	2	1.1	4.5	95	2.9	3.8

ELEMENT Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	
RL10 1650	1.1	31	28.9	78	0.2	26.1	11.3	536
RL10 1700	0.9	13.8	39.4	98	0.1	18.4	11.6	373
RL10 1750	0.9	27.7	22.8	79	0.2	26.2	9.4	416
RL10 1800	5	72.3	30.7	120	0.3	45.9	19.7	611
RL10 1950	1.4	48.5	32.7	77	0.3	24.4	13.8	508
RL10 2000	6.4	46.6	23	129	0.3	45.1	13.7	346
RL11 0	2.7	47.6	19.5	125	0.3	25.3	8.6	394
RL11 50	2.6	68.5	24	145	0.6	43.9	10.6	480
RL11 100	2.9	21.1	19.8	98	0.2	18.6	8.5	332
RL11 150	2.8	43.4	26.5	121	0.3	28.6	8.4	245
RL11 200	2.7	39.1	29.8	106	0.2	24.2	7.9	271
RE RL11 2	2.8	37.4	28.2	108	0.3	25.9	8	270
RL11 250	5.8	152.2	51.4	123	0.2	64.8	50.2	1013
RL11 300	2.8	45.9	23.5	105	0.1	30	12.7	597
RL11 350	2.7	37.7	21.3	76	0.3	24.2	7.9	270
RL11 400	2.4	40.5	27.7	91	0.5	23.4	8.4	317
RL11 450	2.9	50.2	21.8	85	0.5	27.8	9.4	302
RL11 500	3.3	44.5	24.7	80	0.5	26.4	10.1	338
STANDAR	12.6	143.5	24.4	140	0.3	23.9	12.5	814
RL11 550	2.8	63.7	31.4	120	0.3	32.3	11.3	310
RL11 600	4.1	56.8	26	88	0.5	30.2	10.6	901
RL11 650	3.2	68.3	42.7	108	0.7	33.3	14.1	593
RL11 700	4.2	93.8	41	124	0.7	41.1	11.1	334
RL11 750	3.6	60.8	29.7	119	0.3	31.2	10.6	285
RL11 800	4.6	120.7	21.3	107	0.8	45.3	15.2	411
RL11 850	6.2	108.2	13.2	84	0.4	31	19.5	681
RL11 900	3.7	32	11.5	64	0.1	18.1	8.7	182
RL11 950	14.1	449.9	22.1	66	0.6	59.7	33.1	672
RL11 1000	5.5	149.2	19.3	92	0.2	38.8	13.2	377
RL11 1050	6.3	183.1	12.5	51	0.2	40.5	21.5	1335
RL11 1150	4.9	150.7	17.3	73	0.1	38.8	11	135
RL11 1200	3.1	105.8	9.2	71	0.1	26.2	10.2	230
RL11 1250	4.8	425.9	8.7	54	0.4	62.3	28.6	332
RL11 1300	7.5	505.3	11.7	70	0.3	57.8	22.7	341
RL11 1350	8.5	371.4	4.5	33	0.2	45.1	7.6	137
RL11 1400	54.6	350.2	7.8	60	0.2	85.4	15.3	158
RL11 1450	8.3	322.2	9.6	46	0.4	50.8	17.3	179
RL11 1500	4	254.4	4.7	29	0.2	48.5	17.2	175
RL11 1550	8.6	306.4	5.8	32	0.2	47.4	8.1	114
RL11 1600	7.3	265.9	14.5	70	0.3	59.1	25.9	275
RE RL11 1	7.6	265.4	14.3	72	0.3	63.6	25.9	281
RL11 1650	6.7	198.9	11.1	65	0.1	36.4	10.5	186
RL11 1700	12.4	1292.2	11	78	0.8	66.8	16.7	197
RL11 1750	7.3	248.2	9.8	82	0.3	32.3	13	196
RL11 1800	3.7	320.2	9.6	71	0.3	35.2	13.9	265
RL11 1850	2.7	182.5	10.3	85	0.3	38	15.5	256
RL11 1900	9.7	102.3	12.5	65	0.2	17	6.9	222
RL11 1950	2.9	489.6	10.6	50	0.3	29.4	20.4	578
RL11 2000	8.5	156.2	10.7	63	0.3	28.5	11.5	138
R-8	1.6	36.5	9.9	147	0.1	34.7	13.5	449
R-9A	19.6	58.1	16.6	266	0.9	70.8	12.2	383

ELEMENT	Tl	S	Ga	Se	
G-1		0.3 <.05		5 <.5	
RL9 750		0.1 <.05		4	0.8
RL9 950		0.1	0.06	3	0.6
RL9 1000	<.1	<.05		5 <.5	
RL9 1050		0.1 <.05		4 <.5	
RL9 1100	<.1	<.05		4 <.5	
RL9 1150	<.1	<.05		2 <.5	
RL9 1200		0.1	0.09	3 <.5	
RL9 1300		0.1 <.05		4 <.5	
RL9 1350		0.1 <.05		3	0.5
RL9 1400		0.1	0.07	2 <.5	
RL9 1450	<.1		0.07	2	0.5
RL9 1500	<.1		0.11	2	0.6
RL9 1550	<.1	<.05		2 <.5	
RL9 1600	<.1		0.06	2 <.5	
RL9 1700		0.1 <.05		4 <.5	
RE RL9 17		0.1 <.05		4 <.5	
RL9 1750		0.1 <.05		4 <.5	
RL9 1800		0.1 <.05		4	0.5
RL9 1850		0.1 <.05		4 <.5	
RL10 0		0.2 <.05		2	1
RL10 50		0.1 <.05		3	0.6
RL10 100		0.2 <.05		2	2.3
RL10 150		0.1 <.05		2	0.7
RL10 200		0.1 <.05		3 <.5	
RL10 250		0.1 <.05		2	0.5
RL10 300		0.1	0.09	2	0.8
RL10 350		0.2	0.06	2	1.9
RL10 400		0.1 <.05		3	0.7
RL10 450		0.1 <.05		3	0.7
RL10 500		0.1 <.05		3 <.5	
RL10 600		0.2 <.05		2	1.5
RL10 650		0.1	0.07	1	1.2
RL10 700		0.1 <.05		3	0.6
STANDAR		1.1 <.05		7	5.1
G-1		0.3 <.05		5 <.5	
RL10 750		0.2	0.09	2	1.5
RL10 800		0.1 <.05		3 <.5	
RL10 900		0.1	0.07	3	0.8
RL10 950		0.1 <.05		3	0.8
RL10 1000		0.1	0.07	3	0.6
RL10 1050		0.1 <.05		3 <.5	
RL10 1100		0.1 <.05		3	0.7
RL10 1150		0.1 <.05		4 <.5	
RL10 1250		0.1	0.09	3	0.6
RL10 1300		0.1	0.09	2	0.5
RL10 1350		0.1	0.06	3	0.5
RL10 1400		0.1 <.05		3	0.8
RL10 1450		0.1 <.05		2	0.8
RL10 1550		0.1 <.05		3	0.6
RL10 1600		0.1	0.12	1	0.6

ELEMENT Ti	B	Al	Na	K	W	Hg	Sc	
G-1	0.128	<1	0.87	0.067	0.52	1.3	<.01	2
RL9 750	0.011	1	2.39	0.004	0.04	0.1	0.04	2.4
RL9 950	0.003	1	1.02	0.004	0.05	0.1	0.07	1.6
RL9 1000	0.003	1	1.38	0.003	0.05	<.1	0.03	1.5
RL9 1050	0.003	<1	1.3	0.004	0.04	<.1	0.04	1.5
RL9 1100	0.001	1	1.08	0.002	0.05	<.1	0.03	1.3
RL9 1150	0.002	<1	0.47	0.003	0.04	<.1	0.04	1.4
RL9 1200	0.002	2	0.94	0.004	0.05	<.1	0.05	1.4
RL9 1300	0.003	<1	1.27	0.004	0.04	0.1	0.08	3.3
RL9 1350	0.004	2	1.12	0.005	0.04	<.1	0.15	4
RL9 1400	0.003	4	0.76	0.005	0.04	0.1	0.12	2.7
RL9 1450	0.003	4	0.71	0.005	0.04	<.1	0.12	2.3
RL9 1500	0.002	3	0.52	0.004	0.04	<.1	0.12	2.1
RL9 1550	0.002	1	0.62	0.003	0.04	<.1	0.12	2.6
RL9 1600	0.001	2	0.92	0.003	0.07	<.1	0.09	2.8
RL9 1700	0.001	1	1.39	0.004	0.09	<.1	0.08	2.8
RE RL9 17	0.004	1	1.14	0.006	0.09	0.1	0.03	2.2
RL9 1750	0.005	1	1.15	0.006	0.09	0.1	0.03	2.3
RL9 1800	0.006	3	0.74	0.011	0.06	<.1	0.1	1.3
RL9 1850	0.003	2	1.31	0.005	0.05	<.1	0.07	2
RL10 0	0.003	2	0.77	0.007	0.04	<.1	0.52	4.9
RL10 50	0.012	2	0.91	0.006	0.05	0.2	0.22	3.1
RL10 100	0.002	2	0.95	0.005	0.06	<.1	0.6	5.4
RL10 150	0.005	2	0.63	0.005	0.05	0.1	0.27	2.2
RL10 200	0.004	1	0.88	0.008	0.07	0.1	0.09	2.1
RL10 250	0.006	2	0.66	0.005	0.05	0.2	0.14	1.6
RL10 300	0.003	3	0.61	0.005	0.05	0.1	0.2	1.9
RL10 350	0.007	2	0.66	0.011	0.06	0.1	0.43	4.6
RL10 400	0.011	2	0.88	0.006	0.06	0.1	0.27	3.7
RL10 450	0.006	2	0.82	0.004	0.05	0.1	0.1	2.2
RL10 500	0.004	2	0.78	0.005	0.05	0.1	0.13	2.1
RL10 600	0.004	2	0.64	0.006	0.04	0.1	0.32	3.5
RL10 650	0.005	2	0.49	0.006	0.04	0.1	0.3	2.5
RL10 700	0.004	3	0.78	0.006	0.07	<.1	0.18	2.1
STANDAR	0.099	20	1.99	0.035	0.14	5.1	0.18	3.5
G-1	0.139	<1	1.03	0.079	0.51	1.3	0.01	2.7
RL10 750	0.004	1	0.58	0.007	0.06	0.1	0.46	3.2
RL10 800	0.007	2	0.88	0.013	0.09	0.1	0.14	2.2
RL10 900	0.006	3	1.1	0.008	0.09	0.1	0.16	2.7
RL10 950	0.012	3	1.05	0.007	0.09	0.1	0.12	2.5
RL10 1000	0.009	3	0.94	0.005	0.09	0.2	0.04	1.7
RL10 1050	0.001	2	1.1	0.003	0.09	<.1	0.07	2.8
RL10 1100	0.005	1	1.1	0.007	0.1	0.1	0.12	2.3
RL10 1150	0.001	1	1.14	0.003	0.12	<.1	0.07	2.5
RL10 1250	0.002	2	0.87	0.004	0.05	<.1	0.11	1.6
RL10 1300	0.002	4	0.72	0.004	0.05	<.1	0.14	1.4
RL10 1350	0.003	5	0.95	0.006	0.13	0.1	0.09	2
RL10 1400	0.005	1	0.92	0.009	0.06	0.2	0.17	2.4
RL10 1450	0.003	2	0.66	0.005	0.08	0.1	0.17	1.9
RL10 1550	0.002	2	0.99	0.004	0.06	<.1	0.08	1.5
RL10 1600	0.002	2	0.57	0.004	0.05	<.1	0.15	1.3

ELEMENT Bi	V	Ca	P	La	Cr	Mg	Ba
G-1	0.1	41	0.52	0.082	7	12.1	0.6	264
RL9 750	0.3	54	0.07	0.033	11	30.2	0.35	169
RL9 950	0.4	17	1.14	0.048	9	16.4	0.36	164
RL9 1000	0.5	15	0.16	0.046	28	22.2	0.63	72
RL9 1050	0.4	16	0.59	0.044	19	21.1	0.59	106
RL9 1100	0.4	15	0.12	0.034	23	18.4	0.4	53
RL9 1150	0.4	8	0.43	0.034	11	6.8	0.13	116
RL9 1200	0.3	13	2.11	0.042	8	14.3	0.3	165
RL9 1300	0.4	27	0.25	0.031	21	21	0.36	133
RL9 1350	0.4	22	1.44	0.044	21	16.1	0.3	245
RL9 1400	0.3	16	2.19	0.055	13	13.8	0.28	178
RL9 1450	0.3	12	2.32	0.052	17	13.2	0.26	175
RL9 1500	0.2	10	3.33	0.057	17	9.6	0.19	179
RL9 1550	0.3	10	5.34	0.048	21	11.6	0.32	142
RL9 1600	0.3	11	1.76	0.052	23	12.2	0.24	170
RL9 1700	0.4	19	0.32	0.04	21	22.6	0.45	204
RE RL9 17	0.3	32	0.33	0.021	17	20.3	0.32	188
RL9 1750	0.3	33	0.34	0.022	18	20.2	0.34	190
RL9 1800	0.2	24	0.38	0.058	16	12.4	0.14	158
RL9 1850	0.4	15	1.36	0.057	18	20.1	0.56	195
RL10 0	0.6	32	0.73	0.08	18	16.1	0.33	659
RL10 50	0.4	37	0.39	0.09	18	20.8	0.32	548
RL10 100	1.6	34	0.37	0.102	21	19.8	0.22	780
RL10 150	0.5	22	0.82	0.093	20	13.3	0.23	353
RL10 200	0.4	18	0.34	0.058	25	16	0.36	206
RL10 250	0.3	18	0.65	0.063	20	12.8	0.32	203
RL10 300	0.4	16	1.48	0.077	13	12.8	0.36	241
RL10 350	1	30	1.58	0.135	18	18.2	0.25	561
RL10 400	0.6	34	0.5	0.114	21	19.6	0.33	538
RL10 450	0.5	26	0.59	0.066	19	16.5	0.26	380
RL10 500	0.4	19	0.7	0.039	20	13.5	0.33	250
RL10 600	1.1	26	0.83	0.078	17	15.2	0.24	357
RL10 650	0.8	20	1.95	0.089	11	11.4	0.19	360
RL10 700	0.6	20	1.31	0.064	14	14.4	0.31	235
STANDAR	6.3	61	0.75	0.092	13	189.3	0.71	138
G-1	0.1	48	0.59	0.084	9	13.8	0.62	281
RL10 750	1.3	30	1.33	0.138	16	14.4	0.23	427
RL10 800	0.9	23	0.74	0.058	25	14.8	0.36	425
RL10 900	1.2	26	1.44	0.034	25	16.4	0.4	237
RL10 950	0.6	29	1.42	0.044	24	18.8	0.44	273
RL10 1000	0.3	28	1.18	0.024	14	17.8	0.34	171
RL10 1050	0.3	11	0.92	0.03	42	13.9	0.26	166
RL10 1100	0.5	19	3.3	0.067	45	17.6	0.43	269
RL10 1150	0.4	12	0.93	0.043	61	15.4	0.43	160
RL10 1250	0.3	12	1.78	0.056	30	13.8	0.31	107
RL10 1300	0.3	11	1.94	0.048	19	11.7	0.27	100
RL10 1350	0.5	20	2.69	0.05	22	16	0.29	174
RL10 1400	0.5	22	1.34	0.041	16	17.8	0.37	217
RL10 1450	0.3	16	1.84	0.032	14	11.8	0.2	180
RL10 1550	0.3	13	2.22	0.035	12	16.4	0.39	114
RL10 1600	0.3	9	6.76	0.05	18	8	0.17	96

ELEMENT Fe	As	U	Au	Th	Sr	Cd	Sb	
G-1	1.97	<.5	1.6	<.5	4.2	83	<.1	<.1
RL9 750	2.77	15.8	0.8	5.1	5	9	0.1	1
RL9 950	2.16	10.9	2.6	2.2	4.3	68	0.1	0.3
RL9 1000	3.47	12.3	1.8	2.6	12.9	28	<.1	0.3
RL9 1050	2.83	8.5	1.6	1.6	9.3	51	0.1	0.3
RL9 1100	3.3	8.7	1	0.7	9.4	15	<.1	0.2
RL9 1150	1.55	11.4	1.7	1.4	9.1	41	0.1	0.2
RL9 1200	1.8	7.5	2.5	1.2	3.9	108	0.1	0.3
RL9 1300	3.26	13	2.7	1.2	8.5	27	0.2	0.3
RL9 1350	2.77	13.5	3.8	1.7	4.9	100	0.2	0.3
RL9 1400	2.25	12.8	2.8	1.9	3.2	117	0.3	0.4
RL9 1450	2.25	9.7	2.3	1.9	3.6	84	0.3	0.4
RL9 1500	2.02	10.1	2.2	1.5	2	133	0.3	0.4
RL9 1550	3.15	33.7	1.4	1.6	7.6	144	0.2	0.5
RL9 1600	3.36	25.5	2	1.2	6.3	97	0.3	0.4
RL9 1700	3.31	12.3	3	2.6	11	50	0.1	0.2
RE RL9 17	2.5	13.6	2.8	1.1	6.7	42	0.1	0.7
RL9 1750	2.58	14.1	2.9	1.1	6.8	44	0.2	0.8
RL9 1800	1.82	3.1	1	1	5.6	71	0.1	0.3
RL9 1850	3.04	8.1	4	1.8	6.7	118	0.1	0.3
RL10 0	2.85	62.5	0.7	2.4	4.4	36	1.2	2.4
RL10 50	2.6	27.7	0.8	2.9	4.4	25	0.6	1.5
RL10 100	4.44	155	1.1	4.3	5.4	27	0.7	4
RL10 150	2.66	47.3	1.9	3.6	5.2	55	0.5	1.7
RL10 200	2.51	12.4	1.3	4	7.8	39	0.2	0.7
RL10 250	2.04	12.6	1.7	2	5	54	0.3	0.7
RL10 300	1.96	25.8	3.2	2	3.4	159	0.4	1.1
RL10 350	2.92	94.1	1.4	4.1	4.7	76	1.2	3.2
RL10 400	2.86	75	0.8	3.4	5.2	34	0.5	2.3
RL10 450	2.85	46	1.6	1.8	5.3	39	0.4	1.4
RL10 500	2.39	24.8	2.2	1.6	5.8	76	0.3	0.9
RL10 600	3.65	103.2	1	3.9	4.5	79	0.8	4.4
RL10 650	1.99	74	2.2	2	1.8	151	1	2.2
RL10 700	2.33	46.1	2.5	1.7	4.4	114	0.3	1
STANDAR	2.99	17.9	6.4	45	2.9	50	5.6	3.9
G-1	2.14	<.5	1.7	<.5	4.4	93	<.1	<.1
RL10 750	3.34	179	1.8	8.2	3.7	97	1.1	5.3
RL10 800	3.02	54.2	1	3.3	9.3	57	0.3	1.2
RL10 900	3.36	102.2	1.7	2.5	7.2	132	0.3	1.3
RL10 950	2.75	46.8	2.2	3.3	4.9	96	0.3	1.2
RL10 1000	2.43	18.1	1.8	1	3.5	155	0.1	0.7
RL10 1050	3.23	5.6	0.8	1	11	47	0.1	0.2
RL10 1100	3.21	20.7	1.4	2.7	9.8	101	0.2	0.8
RL10 1150	3.29	10.5	1.8	1.9	15.4	65	0.2	0.4
RL10 1250	2.3	3.6	2	0.8	4.1	113	0.1	0.2
RL10 1300	2.17	3.8	1.8	1	3.6	116	0.1	0.2
RL10 1350	2.8	13.4	1.6	1.5	6	144	0.1	0.5
RL10 1400	2.68	23.3	1.2	3.3	4.5	92	0.4	0.9
RL10 1450	2.51	8.3	1.7	1.3	4.2	125	0.2	0.5
RL10 1550	2.6	4.2	1.3	0.7	5.1	143	0.2	0.3
RL10 1600	2.15	5.3	2.1	1	2.5	331	0.2	0.3

ELEMENT Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	
G-1	1.3	2.9	1.9	45	<.1	4.8	4.3	555
RL9 750	2.2	26.2	23.2	74	0.1	25.5	14.8	205
RL9 950	0.8	26.7	42.6	66	0.2	18.6	10.8	316
RL9 1000	0.9	36.3	35.3	94	0.1	33.1	22.5	327
RL9 1050	0.6	23.6	25	76	0.1	25.6	17.1	301
RL9 1100	1.2	24.1	21.1	78	0.1	26.3	14	166
RL9 1150	0.5	24.6	119.9	47	0.1	15.1	9.4	325
RL9 1200	0.5	28.1	26.2	60	0.2	18	13.2	206
RL9 1300	0.6	33.5	81.4	100	0.3	21.6	20.8	673
RL9 1350	0.5	44.3	53.6	83	0.2	24.1	13.8	519
RL9 1400	0.6	39.4	69.8	195	0.3	22.3	11	516
RL9 1450	0.3	36.1	81.4	154	0.2	23.1	11.3	393
RL9 1500	0.5	29	38.8	137	0.2	22.8	9.3	334
RL9 1550	0.8	34.3	63.4	217	0.1	40.7	15.6	206
RL9 1600	1	39.6	45.7	110	0.1	41.7	15.3	481
RL9 1700	0.6	37.8	32.7	87	0.2	31.9	16.6	492
RE RL9 17	1.8	30.9	22.5	72	0.1	23.2	10.9	299
RL9 1750	2.1	31.7	22.4	72	0.1	22.7	10.5	309
RL9 1800	0.6	35.4	13.3	60	0.1	11.2	5.2	286
RL9 1850	0.5	55.5	32.3	88	0.2	34.5	20	500
RL10 0	5.1	45	19.3	128	0.6	44.4	10.2	581
RL10 50	2.2	25.3	14.6	90	0.4	27.3	9	319
RL10 100	6.8	62.8	31.8	148	0.7	46.5	12.5	484
RL10 150	1.9	31.1	19.5	92	0.3	24.7	9.1	565
RL10 200	0.7	18.5	16.8	92	0.1	21.8	11.2	331
RL10 250	0.8	20.9	13.5	72	0.1	20.4	8.4	451
RL10 300	1.2	30.5	15.9	79	0.2	23.5	7.4	270
RL10 350	4.1	46.3	29.3	131	0.7	35.1	11	318
RL10 400	3.5	38.5	22.7	111	0.4	35.6	9.2	290
RL10 450	1.9	32.1	19.7	85	0.3	26	10.5	422
RL10 500	1.4	24.5	17.9	86	0.2	23	9.7	270
RL10 600	4.9	42	38.9	152	0.4	35.4	12.8	528
RL10 650	2.3	34.1	22.3	93	0.4	25.3	8.8	631
RL10 700	1	29.4	23.9	79	0.2	20	9	337
STANDAR	13.2	146	24.7	137	0.3	24.4	11.7	776
G-1	1.5	3.2	2.3	49	<.1	4.2	4.7	581
RL10 750	4.9	50	34.7	151	0.7	39.1	13	588
RL10 800	1.4	42.8	25	99	0.2	28.6	13	358
RL10 900	1.5	48.3	44.5	100	0.2	33	18.8	384
RL10 950	1.7	42.1	20.4	98	0.2	28.7	11.9	327
RL10 1000	0.9	16.3	16	53	0.1	20.7	8.1	193
RL10 1050	0.4	20.7	48.6	146	0.1	23.5	12.7	506
RL10 1100	1	39.8	50.9	113	0.2	35	15	331
RL10 1150	0.4	20.4	58.5	94	0.2	34.8	15.1	670
RL10 1250	0.3	28.1	22.8	73	0.1	24	11.3	523
RL10 1300	0.3	22.5	20.1	78	0.1	20	9.3	281
RL10 1350	0.5	33.1	29.9	81	0.1	30.6	15	365
RL10 1400	1.2	32	22.3	100	0.2	29.2	11.5	397
RL10 1450	0.8	22.3	26.8	78	0.1	25.6	14.3	599
RL10 1550	0.4	21.9	22.6	69	0.1	26.1	12.8	392
RL10 1600	0.4	19	18	57	0.1	22.6	7.5	243

ELEMENT	Tl	S	Ga	Se	
RL8 200	0.1	<.05		3	0.9
RL8 250	0.1	<.05		5	0.6
RL8 300	0.1	<.05		4	0.9
RL8 350	0.1	<.05		4	0.7
RL8 400	0.1	<.05		3	0.6
RL8 450	0.1	<.05		5	0.5
RL8 500	0.1	<.05		3	0.6
RL8 550	0.1	<.05		4	<.5
RL8 600	0.2	<.05		4	1.2
RL8 650	0.2	<.05		4	0.8
RL8 700	0.1	<.05		3	0.7
RL8 750	0.1	<.05		4	1.1
RL8 800	0.1	<.05		4	1.7
RL8 850	0.1	<.05		3	1.1
RL8 900	0.1	<.05		4	1.4
STANDAR	1.1	<.05		7	5.2
G-1	0.3	<.05		5	<.5
RL8 950	0.1	<.05		4	1.1
RL8 1000	0.1	<.05		4	1.5
RL8 1050	0.1	<.05		4	1.4
RL8 1100	0.2		0.06	3	1.7
RL8 1150	0.1	<.05		3	1.2
RL8 1200	0.1	<.05		3	1
RL8 1250	0.2	<.05		3	1.1
RL8 1300	0.1	<.05		3	0.9
RL8 1350	0.1	<.05		3	1.1
RL8 1400	0.1	<.05		3	1.2
RL8 1450	0.1	<.05		3	1.2
RL8 1500	0.1	<.05		3	0.9
RL8 1600	0.1	<.05		3	1
RE RL8 16	0.1	<.05		3	0.9
RL8 1700	0.1	<.05		3	1.9
RL8 1750	0.1	<.05		3	1.7
RL8 1800	0.1	<.05		6	0.6
RL8 1850	0.1	<.05		4	0.5
RL8 1900	0.1	<.05		3	1.7
RL8 1950	0.2	<.05		3	2.3
RL8 2000	0.1	<.05		1	<.5
RL9 0	0.1		0.06	4	1.2
RL9 50	0.1		0.06	3	0.7
RL9 150	0.1	<.05		3	1
RL9 200	0.1	<.05		3	1.3
RL9 250	0.2	<.05		4	1.3
RL9 300	0.2	<.05		3	1.2
RL9 350	0.1	<.05		4	1.1
RL9 400	0.1	<.05		3	0.9
RL9 450	0.1	<.05		3	0.8
RL9 550	0.1		0.12	3	1.1
RL9 600	0.1		0.09	3	1.1
RL9 700	0.1	<.05		2	0.8
STANDAR	1.1	<.05		6	5

ELEMENT Ti	B	Al	Na	K	W	Hg	Sc	
RL8 200	0.009	1	1.16	0.004	0.06	0.1	0.13	2.1
RL8 250	0.006 <1		1.34	0.003	0.05	0.1	0.03	1.9
RL8 300	0.006	1	1.38	0.003	0.05	0.2	0.09	2
RL8 350	0.007 <1		1.18	0.003	0.06	0.1	0.04	1.7
RL8 400	0.012 <1		1.12	0.003	0.07	0.1	0.05	1.9
RL8 450	0.016	1	1.48	0.004	0.06	0.2	0.03	2
RL8 500	0.008 <1		1.22	0.004	0.07	0.1	0.13	2
RL8 550	0.009 <1		1.44	0.004	0.06	0.1	0.06	1.9
RL8 600	0.011	1	1.07	0.005	0.09	0.1	0.1	2
RL8 650	0.009	1	1.18	0.005	0.08	0.1	0.14	2.4
RL8 700	0.014	1	1.13	0.008	0.08	0.1	0.17	2.7
RL8 750	0.01 <1		1.19	0.007	0.1	0.1	0.18	2.8
RL8 800	0.012	1	1.29	0.007	0.12	0.1	0.27	3.3
RL8 850	0.013	1	1.08	0.007	0.1	0.1	0.17	2.2
RL8 900	0.017	2	1.25	0.011	0.12	0.1	0.29	3.9
STANDAR	0.115	17	2.15	0.036	0.16	4.9	0.18	3.6
G-1	0.138	1	0.92	0.084	0.59	1.3 <.01		2.4
RL8 950	0.011	2	1.14	0.007	0.1	0.1	0.29	2.6
RL8 1000	0.006	2	1.07	0.006	0.08	0.1	0.22	2.5
RL8 1050	0.004	2	1.2	0.005	0.11	0.1	0.26	2.6
RL8 1100	0.007	2	1.21	0.007	0.12	0.1	0.41	3.8
RL8 1150	0.008	2	1.08	0.005	0.09	0.1	0.09	2.2
RL8 1200	0.015	2	0.86	0.005	0.06	0.1	0.18	2.9
RL8 1250	0.008	3	1.12	0.007	0.12	0.1	0.24	2.9
RL8 1300	0.006	2	1.14	0.005	0.07	0.1	0.08	2.1
RL8 1350	0.015	2	0.94	0.005	0.06	0.1	0.16	2.8
RL8 1400	0.015	1	1.06	0.005	0.07	0.1	0.11	2.8
RL8 1450	0.01	1	0.99	0.005	0.07	0.1	0.15	2.6
RL8 1500	0.002	1	1.06	0.007	0.11	0.1	0.21	2.8
RL8 1600	0.008	1	0.92	0.005	0.07	0.1	0.14	1.6
RE RL8 16	0.008	2	0.9	0.005	0.07	0.1	0.13	1.5
RL8 1700	0.007	3	0.92	0.007	0.11 <.1		0.28	2.7
RL8 1750	0.007	2	0.98	0.006	0.09	0.1	0.4	2.9
RL8 1800	0.011	2	0.98	0.003	0.05	0.2	0.06	1.8
RL8 1850	0.01	1	1.43	0.004	0.04	0.1	0.03	2.1
RL8 1900	0.005	2	0.79	0.003	0.07	0.1	0.04	1.5
RL8 1950	0.005	3	0.9	0.005	0.09 <.1		0.31	3.9
RL8 2000	0.004	1	0.22	0.003	0.06 <.1		0.11	0.8
RL9 0	0.006	2	0.91	0.008	0.08	0.3	0.24	2.5
RL9 50	0.005	2	1.02	0.007	0.06	0.2	0.14	2
RL9 150	0.008	3	0.94	0.009	0.09	0.2	0.19	2.2
RL9 200	0.005	3	0.97	0.008	0.09	0.3	0.21	2.3
RL9 250	0.004	4	1.14	0.007	0.11	0.2	0.17	2.5
RL9 300	0.005	2	0.89	0.005	0.1	0.2	0.21	2
RL9 350	0.007	2	1.05	0.006	0.11	0.2	0.14	2.2
RL9 400	0.005	2	1	0.009	0.07	0.1	0.15	2.5
RL9 450	0.004	2	0.94	0.007	0.07	0.1	0.15	2.1
RL9 550	0.002	3	0.94	0.006	0.05	0.1	0.13	1.7
RL9 600	0.004	3	0.96	0.007	0.04	0.1	0.13	1.6
RL9 700	0.002	2	0.69	0.005	0.06	0.1	0.18	1.6
STANDAR	0.096	17	2.05	0.034	0.15	5	0.18	3.5

ELEMENT Bi	V	Ca	P	La	Cr	Mg	Ba	
RL8 200	0.2	38	0.11	0.069	13	18.6	0.27	409
RL8 250	0.3	53	0.04	0.061	12	22.2	0.22	221
RL8 300	0.2	46	0.05	0.036	11	21.8	0.32	390
RL8 350	0.2	46	0.03	0.069	11	20.9	0.26	234
RL8 400	0.2	37	0.09	0.03	12	17.8	0.33	354
RL8 450	0.2	47	0.06	0.037	14	23.6	0.34	347
RL8 500	0.2	36	0.09	0.057	12	21.1	0.33	331
RL8 550	0.2	49	0.09	0.044	13	22.6	0.34	539
RL8 600	0.2	39	0.09	0.078	13	21.2	0.27	398
RL8 650	0.2	40	0.12	0.061	15	21.2	0.31	444
RL8 700	0.2	34	0.28	0.077	15	20.9	0.4	591
RL8 750	0.2	37	0.22	0.069	16	21.4	0.36	486
RL8 800	0.2	41	0.37	0.086	15	22.8	0.37	794
RL8 850	0.2	39	0.18	0.069	15	21.2	0.32	603
RL8 900	0.2	42	0.41	0.093	16	22.8	0.43	782
STANDAR	6	62	0.75	0.096	14	190.6	0.69	139
G-1	0.1	44	0.54	0.087	8	13	0.57	273
RL8 950	0.2	44	0.32	0.089	15	25.2	0.38	728
RL8 1000	0.2	39	0.31	0.08	14	21.3	0.32	756
RL8 1050	0.3	43	0.31	0.088	13	21.7	0.3	790
RL8 1100	0.3	41	0.33	0.092	16	26.1	0.41	1194
RL8 1150	0.2	42	0.16	0.06	16	19.9	0.32	722
RL8 1200	0.3	34	0.19	0.074	19	19.9	0.31	1416
RL8 1250	0.3	40	0.23	0.086	16	21.3	0.36	1092
RL8 1300	0.2	37	0.1	0.049	15	20.3	0.33	653
RL8 1350	0.2	30	0.15	0.063	19	18.9	0.36	766
RL8 1400	0.2	38	0.13	0.052	18	24.1	0.35	627
RL8 1450	0.2	31	0.13	0.072	19	19.6	0.35	839
RL8 1500	0.2	31	0.24	0.033	14	16.3	0.16	1388
RL8 1600	0.2	33	0.15	0.067	13	18.5	0.25	664
RE RL8 16	0.2	35	0.16	0.065	13	19.6	0.24	662
RL8 1700	0.3	36	0.63	0.063	14	19.5	0.27	1068
RL8 1750	0.3	36	0.21	0.065	18	21.1	0.32	1190
RL8 1800	0.3	64	0.03	0.049	12	21.1	0.22	227
RL8 1850	0.2	51	0.06	0.017	14	22.7	0.27	683
RL8 1900	0.2	35	0.01	0.074	14	18.9	0.12	137
RL8 1950	0.3	29	0.06	0.057	19	19	0.25	606
RL8 2000	0.1	5	0.08	0.008	18	7.9	0.06	104
RL9 0	1.4	31	1.02	0.069	12	18.9	0.31	440
RL9 50	0.8	24	1.58	0.079	10	17.9	0.33	411
RL9 150	1.4	30	0.88	0.05	13	18.2	0.27	341
RL9 200	1.7	33	1.72	0.059	12	19.6	0.26	482
RL9 250	1.2	35	0.79	0.064	14	20.2	0.28	610
RL9 300	1	28	0.25	0.063	14	17.8	0.23	334
RL9 350	1.4	39	0.31	0.065	15	21.3	0.29	461
RL9 400	0.8	23	0.82	0.026	19	16.1	0.29	244
RL9 450	0.6	24	0.74	0.054	15	17.4	0.28	265
RL9 550	0.4	14	2.17	0.052	11	16	0.36	158
RL9 600	0.4	20	2.06	0.058	10	16.7	0.34	281
RL9 700	0.5	22	0.71	0.063	12	15	0.16	326
STANDAR	6	61	0.73	0.094	12	186.2	0.68	137

ELEMENT Fe	As	U	Au	Th	Sr	Cd	Sb	
RL8 200	2.11	13.7	1	1.8	3.1	14	0.2	1.2
RL8 250	2.61	13.5	0.5	0.8	3.4	12	0.3	0.8
RL8 300	2.72	16.8	0.5	2.4	2.7	9	0.2	1.1
RL8 350	2.72	18.1	0.5	2.5	2.6	12	0.2	1.2
RL8 400	1.96	11.2	0.5	1.5	2.6	15	0.1	1
RL8 450	2.09	11.9	0.5	4.9	3	10	0.1	0.8
RL8 500	2.61	15.8	0.7	4.5	3	14	0.3	1.7
RL8 550	2.11	11.8	0.6	2.1	2.9	11	0.3	1.1
RL8 600	2.46	20.1	0.7	3.8	2.3	18	0.4	1.8
RL8 650	2.49	16.1	0.9	2.8	2.9	16	0.5	1.6
RL8 700	2.5	15.4	0.9	3	4.1	26	0.4	1.6
RL8 750	2.51	15.5	1.4	3.2	3.8	24	0.6	1.6
RL8 800	2.4	12.4	1.6	3.3	3.9	36	0.4	1.4
RL8 850	2.36	14.3	0.9	2.6	2.7	23	0.5	1.6
RL8 900	2.81	23.5	1.4	3.6	4.5	38	1	2.1
STANDAR	3	17.6	6.8	43.7	3	51	5.2	3.9
G-1	2.13	<.5	1.7	0.5	4.1	88	<.1	<.1
RL8 950	2.67	15.1	1.1	2.9	3.6	34	0.3	1.9
RL8 1000	2.6	14.5	1.1	2.1	3.3	33	0.4	1.2
RL8 1050	3.48	17.5	0.9	3.3	3.2	35	0.2	1.5
RL8 1100	2.05	13.3	1.2	4.6	5	45	0.7	2
RL8 1150	2.67	14.7	0.7	2.7	4	22	0.1	1.7
RL8 1200	2.91	15.5	1	2.4	4.9	30	0.3	1.6
RL8 1250	2.98	18.4	0.9	5.1	3.6	33	0.8	2.1
RL8 1300	2.88	15.3	0.6	1.9	3.3	17	0.3	1.3
RL8 1350	2.68	15.8	0.9	3.2	4.8	21	0.2	1.5
RL8 1400	2.65	12.6	1.1	3	3.8	18	0.4	1.1
RL8 1450	2.67	15.8	0.7	2.7	4.3	23	0.4	1.5
RL8 1500	1.72	8.8	1.6	2.6	3.4	34	1	0.8
RL8 1600	2.13	8.9	1	4.3	1	23	0.3	0.7
RE RL8 16	2.15	8.8	1	2.2	1	23	0.3	0.7
RL8 1700	3.28	13.7	1.8	3	3.9	63	0.1	1.3
RL8 1750	2.85	12.1	1.2	3	4.7	39	0.2	1.4
RL8 1800	3.45	24.5	0.4	1.7	2.1	7	0.2	1.2
RL8 1850	2.56	10.8	0.4	1.1	3.5	10	0.1	0.8
RL8 1900	4.09	13.2	0.4	2.2	3.3	13	0.1	1.5
RL8 1950	2.85	14.6	1.6	2.6	6.5	29	0.2	1.8
RL8 2000	0.23	1	0.3	1.7	4.8	19	0.1	0.2
RL9 0	2.29	57.5	1.3	5.6	2.8	71	0.3	0.9
RL9 50	1.87	28.3	1.2	2.2	2.9	81	0.2	0.6
RL9 150	2.07	62.8	1	6	2.9	52	0.1	0.8
RL9 200	2.25	67.1	1.4	4.6	2.2	73	0.2	1.1
RL9 250	2.5	54.7	1.5	4.3	3.5	53	0.4	1
RL9 300	1.8	33.1	1.1	2.8	2.4	29	0.4	0.8
RL9 350	2.76	69.5	0.9	4.4	3.2	35	0.5	1.3
RL9 400	2.46	38.5	2.2	1.9	6.1	64	0.2	0.7
RL9 450	2.27	21.7	2.6	1.8	4.9	74	0.2	0.6
RL9 550	2.37	13.6	1.2	2.4	2.5	95	0.2	0.4
RL9 600	2.54	24.7	2.3	2.4	2.4	97	0.2	0.7
RL9 700	1.31	34.2	1.2	1.5	2.7	57	0.4	0.9
STANDAR	2.97	18.3	6.1	39.9	2.9	48	5.4	3.9

ELEMENT Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	
RL8 200	2.2	23.3	8.8	78	0.3	19.2	5.3	162
RL8 250	2	12.1	18	63	0.3	16.2	4.3	144
RL8 300	2.2	17.8	11.2	80	0.3	21.7	6.5	172
RL8 350	2.2	16.3	14.1	72	0.2	17.9	5.5	147
RL8 400	2	16.5	8.6	62	0.1	18.4	5.3	145
RL8 450	1.6	14.3	9.5	81	0.2	18.2	6.6	202
RL8 500	2.5	30	13.3	97	0.1	25.4	9.3	259
RL8 550	2.4	17.8	9.2	73	0.2	19	6	250
RL8 600	2.8	33.1	14.6	102	0.3	22.6	6.6	218
RL8 650	2.7	32.1	11.2	104	0.2	24.8	7.3	228
RL8 700	2.5	30.3	11.3	110	0.2	28.4	8.2	232
RL8 750	2.4	33.7	11.4	111	0.2	30.8	9.3	290
RL8 800	2.1	32.8	13.5	98	0.3	27.7	11	306
RL8 850	2.9	30.3	9.9	109	0.3	25.8	9.7	439
RL8 900	3.2	50.8	14.6	149	0.3	42.3	11.6	526
STANDAR	12.8	142.2	25.6	138	0.2	24.7	11.7	774
G-1	1.6	3.1	2	47	<.1	4.6	4.5	624
RL8 950	3.5	32.3	10.8	123	0.3	30.8	10.7	511
RL8 1000	2.3	26.6	13.6	88	0.3	22.2	6.9	211
RL8 1050	3.6	27.7	16.3	87	0.4	23.2	16.7	1032
RL8 1100	2.5	53.3	17.6	132	0.4	32.9	6.6	118
RL8 1150	3.1	27	11.6	93	0.1	22.7	7	187
RL8 1200	2.5	41.4	13	115	0.2	31.2	8.3	287
RL8 1250	3.2	41.8	13.6	148	0.2	32.8	10.1	408
RL8 1300	2.6	29	14.1	93	0.1	26.1	7.9	205
RL8 1350	2.2	37.7	12.5	112	0.1	28.8	8.4	266
RL8 1400	1.9	32.5	10.4	108	0.1	26.2	9.9	317
RL8 1450	2.7	38.3	11.9	124	0.1	30.6	8	302
RL8 1500	2.2	53.2	14.1	74	0.5	21.9	4.5	91
RL8 1600	1.8	25.1	11.3	72	0.2	17.9	6.3	188
RE RL8 16	1.7	24.5	11	71	0.2	18.6	6.4	197
RL8 1700	3	30.7	18.3	95	0.3	22.6	9.1	483
RL8 1750	3	37.2	14.8	101	0.3	21.4	7.5	217
RL8 1800	2.7	16.4	13.1	59	0.2	12.5	4.7	232
RL8 1850	1.8	14.4	10.6	59	0.1	16.2	7	196
RL8 1900	2.6	41.9	11.4	84	0.1	16.6	4	65
RL8 1950	3	68.2	20.8	110	0.3	31.6	7.8	148
RL8 2000	0.5	4.5	5.3	19	0.1	2.6	0.5	14
RL9 0	2.1	36.7	15.4	87	0.3	19.2	9.6	516
RL9 50	1.3	30.4	20.8	78	0.2	19	10.2	623
RL9 150	2.1	29.5	11.6	71	0.2	17.5	7.4	299
RL9 200	2.3	52.7	13.5	69	0.3	24.1	9.7	483
RL9 250	2.5	41.1	20.7	90	0.3	23.7	12	710
RL9 300	2.2	33.2	17	74	0.3	16.4	6.1	165
RL9 350	3.4	40	19.1	100	0.2	25.5	14.2	574
RL9 400	1	30.5	19.1	92	0.1	22	8.7	228
RL9 450	1	33.6	23.4	76	0.2	23.1	10.4	359
RL9 550	0.5	27.6	21	97	0.1	24.4	9.3	372
RL9 600	1	22.6	21	74	0.2	21.3	12.3	1163
RL9 700	1.1	19.4	13.4	65	0.3	11.9	4.9	165
STANDAR	12.5	140.6	25	134	0.3	24.5	11.5	791

ELEMENT	Tl	S	Ga	Se	
RL5 1650		0.1 <.05		3	1.1
RL5 1750		0.1	0.06	3	1.5
RL5 1800		0.1 <.05		3 <.5	
RL5 1850		0.1 <.05		3	1.8
RL5 1900		0.1 <.05		3	1.9
RL5 1950		0.1 <.05		3	1.3
RL5 2000		0.2 <.05		3	1.1
RL6 50		0.3 <.05		4	0.9
RL6 100		0.3 <.05		5	0.5
RL6 150		0.3 <.05		6	0.5
RE RL6 15		0.3 <.05		6	0.5
RL6 200		0.2 <.05		5	2.4
RL6 650		0.1 <.05		5	0.6
RL6 700		0.2 <.05		5	1.1
RL6 800		0.1 <.05		3 <.5	
RL6 850		0.2 <.05		4	0.6
RL6 900		0.3	0.1	5	3.1
RL6 1000		0.1 <.05		4 <.5	
RL6 1050		0.1 <.05		2	1.1
RL6 1100		0.1 <.05		2	0.8
RL6 1150		0.2 <.05		3	1.5
RL6 1200		0.2 <.05		3	1.9
RL6 1300		0.1 <.05		3	1.7
RL6 1400		0.2 <.05		3	2.2
RL6 1450		0.1	0.07	3	5.1
RL6 1600		0.1 <.05		4	1.1
RL6 1700		0.2 <.05		3	2.6
RL6 1750		0.2 <.05		3	1.8
RL6 1850		0.2	0.06	3	2.7
RL6 1900		0.2 <.05		3	1.9
RL6 1950		0.2 <.05		3	1.5
STANDAR		1.1 <.05		7	4.9
G-1		0.3 <.05		5 <.5	
RL6 2000		0.1 <.05		3	1
RL7 50		0.1	0.14	2	0.9
RL7 150		0.1	0.14	2	1
RL7 200	<.1		0.12	1	1.1
RL7 350		0.1 <.05		2	1.6
RL7 400		0.1	0.14	1	1.3
RL7 450		0.1	0.08	2	1.1
RL7 550		0.1 <.05		3	0.8
RL7 750		0.3 <.05		1	9
RL7 1100		0.1 <.05		2	1
RL7 1500		0.1 <.05		2	0.7
RL7 1650		0.1 <.05		3 <.5	
RL7 1750		0.1 <.05		5 <.5	
RL8 0		0.1 <.05		6 <.5	
RE RL8 0		0.1 <.05		6 <.5	
RL8 50		0.1 <.05		5 <.5	
RL8 100		0.2 <.05		5	1
RL8 150		0.1 <.05		5	0.7

ELEMENT Ti	B	Al	Na	K	W	Hg	Sc	
RL5 1650	0.002	1	0.89	0.007	0.08	0.1	0.24	3.2
RL5 1750	0.003	1	1	0.01	0.12	<.1	0.22	3
RL5 1800	0.003	2	0.69	0.009	0.06	0.1	0.06	0.6
RL5 1850	0.003	2	0.86	0.007	0.1	0.1	0.25	2.5
RL5 1900	0.003	2	0.99	0.008	0.11	<.1	0.28	3.5
RL5 1950	0.008	3	0.89	0.006	0.09	<.1	0.2	3.1
RL5 2000	0.007	4	1.15	0.013	0.18	<.1	0.25	3.7
RL6 50	0.007	2	1.21	0.007	0.12	0.3	0.21	2.9
RL6 100	0.019	<1	0.96	0.005	0.05	0.4	0.03	1.6
RL6 150	0.026	<1	0.81	0.004	0.06	0.2	0.07	1.6
RE RL6 15	0.028	1	0.87	0.004	0.07	0.3	0.07	1.6
RL6 200	0.01	1	0.93	0.005	0.07	0.6	0.12	1.8
RL6 650	0.011	1	0.75	0.005	0.05	0.1	0.05	0.8
RL6 700	0.007	2	1.59	0.007	0.09	0.2	0.06	2.3
RL6 800	0.007	1	0.38	0.003	0.02	0.1	0.02	0.5
RL6 850	0.012	2	0.33	0.007	0.04	0.2	0.22	1.1
RL6 900	0.004	3	1.61	0.01	0.09	0.4	0.3	3
RL6 1000	0.008	2	0.56	0.005	0.05	0.1	0.05	0.6
RL6 1050	0.008	2	0.64	0.005	0.07	0.1	0.12	1.8
RL6 1100	0.006	2	0.76	0.004	0.06	<.1	0.1	1.3
RL6 1150	0.005	3	0.83	0.008	0.08	0.1	0.59	1.7
RL6 1200	0.006	2	1	0.005	0.07	0.1	0.45	3.7
RL6 1300	0.006	2	0.55	0.005	0.05	0.1	0.33	1.3
RL6 1400	0.005	2	0.62	0.005	0.05	0.1	1.07	1.3
RL6 1450	0.004	2	0.72	0.005	0.05	0.2	0.78	0.7
RL6 1600	0.006	1	0.81	0.005	0.06	0.2	0.88	1.5
RL6 1700	0.008	2	0.85	0.006	0.1	0.1	0.31	1.9
RL6 1750	0.007	3	1.06	0.007	0.1	0.1	0.3	2.5
RL6 1850	0.004	2	0.75	0.004	0.08	0.1	0.39	1.4
RL6 1900	0.006	3	0.98	0.007	0.11	0.1	0.41	1.9
RL6 1950	0.004	1	0.9	0.005	0.08	0.1	0.34	1.6
STANDAR	0.101	19	1.99	0.036	0.14	5	0.19	3.4
G-1	0.141	1	0.94	0.079	0.54	1.4	<.01	2.3
RL6 2000	0.003	2	0.8	0.005	0.06	0.2	0.24	1.6
RL7 50	0.004	3	0.59	0.008	0.05	0.1	0.17	2.5
RL7 150	0.002	2	0.59	0.005	0.04	0.1	0.16	2.2
RL7 200	0.004	2	0.53	0.005	0.03	0.1	0.12	1.7
RL7 350	0.01	3	0.83	0.016	0.09	0.1	0.3	3.3
RL7 400	0.005	5	0.48	0.007	0.03	0.1	0.12	1.3
RL7 450	0.003	1	0.67	0.005	0.07	0.1	0.24	1.5
RL7 550	0.008	3	0.96	0.007	0.06	0.2	0.17	2.6
RL7 750	0.003	3	0.4	0.004	0.12	<.1	0.19	2.4
RL7 1100	0.003	2	0.87	0.005	0.04	0.1	0.13	2.7
RL7 1500	0.002	3	0.88	0.004	0.03	<.1	0.1	4.4
RL7 1650	0.001	3	1.13	0.004	0.08	<.1	0.04	2.2
RL7 1750	0.004	1	1.19	0.004	0.09	0.1	0.03	1.6
RL8 0	0.012	<1	1.03	0.002	0.05	0.1	0.02	1.2
RE RL8 0	0.01	<1	1	0.002	0.04	0.1	0.03	1.3
RL8 50	0.017	<1	1.24	0.004	0.07	0.1	0.03	1.9
RL8 100	0.012	1	1.51	0.003	0.06	0.1	0.07	2.4
RL8 150	0.008	<1	1.6	0.004	0.06	0.1	0.09	2.4

ELEMENT Bi	V	Ca	P	La	Cr	Mg	Ba	
RL5 1650	0.3	28	0.59	0.06	11	17.2	0.26	591
RL5 1750	0.3	31	0.58	0.064	11	18.9	0.25	686
RL5 1800	0.3	29	0.63	0.06	10	13.2	0.06	462
RL5 1850	0.3	30	0.58	0.063	12	17.7	0.23	963
RL5 1900	0.3	34	0.39	0.065	12	19.1	0.26	982
RL5 1950	0.3	30	0.21	0.07	17	20.5	0.29	889
RL5 2000	0.4	37	0.27	0.075	20	24	0.36	776
RL6 50	1.8	52	0.14	0.053	14	27.5	0.23	478
RL6 100	1.8	62	0.05	0.02	16	19.5	0.16	198
RL6 150	1	57	0.04	0.041	17	20.1	0.19	192
RE RL6 15	1.1	61	0.05	0.04	19	20.3	0.19	204
RL6 200	3.2	54	0.06	0.054	13	20.5	0.17	212
RL6 650	0.9	35	0.05	0.036	10	8.3	0.1	131
RL6 700	5.7	43	0.16	0.04	31	21.9	0.33	385
RL6 800	0.3	31	0.02	0.014	15	5.6	0.03	61
RL6 850	1.7	39	0.19	0.028	12	8.8	0.1	112
RL6 900	4.4	31	1.26	0.073	30	18.3	0.85	350
RL6 1000	0.4	42	0.03	0.036	14	13	0.08	176
RL6 1050	0.8	30	0.12	0.074	15	14.6	0.2	394
RL6 1100	0.5	32	0.07	0.064	20	14.9	0.19	243
RL6 1150	1	24	0.22	0.063	19	16.8	0.22	409
RL6 1200	2	29	0.28	0.075	50	18.8	0.29	588
RL6 1300	0.6	16	0.19	0.049	13	11.8	0.1	239
RL6 1400	2.4	15	0.16	0.071	16	14	0.09	241
RL6 1450	1.6	25	0.17	0.09	11	15.6	0.11	218
RL6 1600	5.7	32	0.09	0.066	18	16.9	0.15	215
RL6 1700	1	34	0.25	0.085	17	19.6	0.25	264
RL6 1750	0.6	39	0.24	0.087	20	22.3	0.26	342
RL6 1850	0.5	27	0.08	0.076	13	18	0.15	294
RL6 1900	0.4	39	0.18	0.074	14	21.2	0.31	384
RL6 1950	0.3	39	0.18	0.074	13	18.1	0.23	305
STANDAR	6.5	62	0.72	0.095	13	188	0.69	144
G-1	0.1	42	0.49	0.08	8	13	0.57	256
RL6 2000	0.7	40	0.48	0.079	12	17	0.27	302
RL7 50	0.5	17	2.04	0.073	14	12.7	0.22	289
RL7 150	0.4	16	2.41	0.084	15	11.8	0.16	192
RL7 200	0.3	16	2.72	0.082	13	11.2	0.17	171
RL7 350	1.1	28	1.31	0.115	16	17.1	0.31	321
RL7 400	0.3	16	3.48	0.086	12	10	0.14	202
RL7 450	0.4	15	0.47	0.07	12	14.6	0.17	362
RL7 550	0.5	27	1.44	0.067	14	16.8	0.26	361
RL7 750	0.3	21	2.49	0.403	21	22.1	0.55	228
RL7 1100	0.4	16	1.8	0.065	19	16.2	0.41	166
RL7 1500	0.3	14	1.44	0.039	24	14.5	0.34	139
RL7 1650	0.4	12	2.78	0.056	31	16.8	0.52	58
RL7 1750	0.2	35	0.16	0.033	18	19.8	0.25	271
RL8 0	0.3	72	0.1	0.054	14	16.6	0.09	339
RE RL8 0	0.3	69	0.1	0.05	14	16.6	0.08	326
RL8 50	0.2	59	0.08	0.037	14	23.2	0.3	341
RL8 100	0.2	65	0.05	0.033	13	27.8	0.32	385
RL8 150	0.2	60	0.05	0.03	13	24.7	0.31	392

ELEMENT Fe	As	U	Au	Th	Sr	Cd	Sb	
RL5 1650	3.14	35.2	1.3	13.7	3.7	44	1.2	1.2
RL5 1750	2.68	17.9	1.7	2.1	2.9	55	0.5	0.8
RL5 1800	1.12	5.4	0.8	1	0.2	30	0.7	0.7
RL5 1850	2.24	10.2	0.9	2.3	2.8	53	0.5	1.1
RL5 1900	2.69	12	1.5	2.7	3.1	47	0.7	1.1
RL5 1950	2.85	9.4	1.3	1.5	5.5	38	0.7	1.3
RL5 2000	3.25	12.6	1.1	1.6	7.2	49	0.8	1.5
RL6 50	3.31	247.7	0.7	19.3	2.6	20	0.2	1.8
RL6 100	2.44	119.8	0.5	3.2	2.9	8	0.1	1.1
RL6 150	2.53	94.5	0.5	4.7	2.8	8	0.1	1.1
RE RL6 15	2.55	97.1	0.5	2.8	2.8	8	0.1	1
RL6 200	4	98.7	0.5	14.1	2	12	0.2	1.6
RL6 650	1.77	18.6	0.5	5.3	0.4	28	0.2	0.8
RL6 700	3.07	59.3	3.4	21.1	6.1	111	0.1	0.8
RL6 800	0.63	13.8	0.3	1.9	1.1	6	<.1	0.5
RL6 850	1.87	62.6	0.6	6.2	1.5	21	0.2	0.9
RL6 900	2.96	23.2	1.8	10.7	5	74	0.6	0.7
RL6 1000	1.45	21.7	0.4	2.3	0.3	9	0.1	0.8
RL6 1050	2.23	33.3	0.7	2.8	2.9	27	0.5	1.7
RL6 1100	2.15	26.9	0.8	5	1.7	16	0.3	1.7
RL6 1150	1.17	16.1	1.6	6.4	1.4	24	1.7	0.6
RL6 1200	2.33	86	3.1	7.2	3.5	24	1.8	2.5
RL6 1300	0.74	21.6	0.9	1.4	1.4	16	1	0.4
RL6 1400	1.3	54.9	1	4.6	0.7	15	2.4	1.1
RL6 1450	2.1	104.3	1.3	6.7	0.4	15	0.8	0.9
RL6 1600	2.34	224.9	1.3	10.7	1.1	14	1.6	2.7
RL6 1700	2.46	33.3	1	5.7	2	25	0.7	1.7
RL6 1750	2.71	34.1	1.9	2.2	1.8	23	0.5	1.5
RL6 1850	2.21	48.2	1.1	2	1.2	18	0.2	0.9
RL6 1900	1.85	16.7	0.9	2	3.2	26	0.3	1.2
RL6 1950	2.02	14.3	1.1	1.8	2.2	21	0.2	1
STANDAR	3	18	6.9	44.4	3	51	5.5	4.1
G-1	1.94	<.5	1.8	<.5	4	78	<.1	<.1
RL6 2000	1.98	39.9	0.9	2	2.6	31	0.3	1.2
RL7 50	2.25	16.6	1.3	1.5	3.5	113	0.5	0.6
RL7 150	2.74	16.6	1.6	1.7	1.5	103	0.4	0.6
RL7 200	1.83	14.5	1.3	2	0.9	113	0.2	0.5
RL7 350	2.82	54	1.6	2.5	3.5	68	0.9	1.6
RL7 400	1.69	15.6	1.6	2.1	0.6	103	0.4	0.4
RL7 450	0.97	10.1	1.1	2.1	2.3	45	0.6	0.4
RL7 550	2.05	26.9	1.6	2	2.3	87	0.3	0.8
RL7 750	3.41	28.8	1.6	3	6.6	79	2.7	10.4
RL7 1100	2.68	12.2	1.3	2	4.8	80	0.3	0.5
RL7 1500	3.2	15.9	3	1.3	4.8	85	0.2	0.3
RL7 1650	3.16	12	1.6	<.5	10.3	91	0.2	0.2
RL7 1750	2.99	10.9	0.9	1	5.8	19	0.1	0.5
RL8 0	2.15	8.1	0.4	1.5	0.7	11	0.7	0.8
RE RL8 0	2.08	7.9	0.4	0.7	0.8	11	0.7	0.9
RL8 50	2.42	13.1	0.4	0.6	2.9	11	0.4	0.9
RL8 100	2.81	16.3	0.8	1.9	3.4	10	0.3	1.5
RL8 150	2.75	14.7	0.6	1.6	3.3	9	0.2	1.1

ELEMENT Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	
RL5 1650	2.1	30.9	23.8	183	0.5	30.8	12.8	903
RL5 1750	1.8	26.3	17.2	127	0.4	30.7	11.5	1950
RL5 1800	0.9	24.1	14.1	76	0.2	15	3	105
RL5 1850	1.7	34.2	17.1	94	0.3	30	7.4	327
RL5 1900	2.6	40.9	19.4	130	0.7	33.4	11.7	672
RL5 1950	1.8	37.2	19.4	148	0.2	43.2	15.7	513
RL5 2000	2.1	48.4	18.9	155	0.4	51.4	12.9	471
RL6 50	8.7	72.3	10.8	65	0.3	36.4	17.5	550
RL6 100	2.4	32.8	8.9	42	0.1	10	3.1	112
RL6 150	2.1	30.1	8.8	55	0.1	14.9	5.2	152
RE RL6 15	2.2	30.2	9	56	0.2	14.8	5.1	148
RL6 200	3.5	133	12.7	82	0.4	21.2	6.6	181
RL6 650	1.8	21.5	8	55	0.1	9.7	2.8	84
RL6 700	4.6	122.9	13.7	66	0.3	20.9	8.6	176
RL6 800	2	6.7	3.5	24	0.1	2.8	0.8	27
RL6 850	2.4	30.8	8.3	63	0.1	12.2	3.7	97
RL6 900	2.4	139.7	11.9	95	0.6	41.2	9.3	754
RL6 1000	1.6	12.6	18.6	57	0.2	9	2.7	123
RL6 1050	2.1	27.3	45.1	105	0.3	21.1	6.5	276
RL6 1100	2.4	29.5	19.5	89	0.2	17.9	6.8	238
RL6 1150	1.1	63.5	22.3	100	2.2	17.6	3.7	94
RL6 1200	2.1	277.2	27	194	1.3	50	11.8	296
RL6 1300	0.2	21.8	15.6	33	0.9	6.9	1.3	31
RL6 1400	0.3	27.5	62.8	62	1.5	13.2	1.8	47
RL6 1450	0.9	33.4	74.9	46	2.1	8.3	1.7	42
RL6 1600	1.9	63	121.5	91	2.4	10.2	2.7	86
RL6 1700	2.5	32.8	56.5	87	1	14.5	2.9	70
RL6 1750	2.3	117	20.4	81	0.4	21.6	4.9	124
RL6 1850	1.3	58.8	33.6	31	0.8	14.1	1.7	34
RL6 1900	2.4	20.7	17	61	0.4	17.9	3.1	74
RL6 1950	2.2	15.1	17.1	52	0.5	12.2	3	99
STANDAR	12.3	143	25	131	0.3	25	11.8	786
G-1	1.6	3	2.2	45	<.1	4.9	4.1	541
RL6 2000	2.8	12.1	35.6	64	0.4	12.8	5.4	296
RL7 50	1.1	28	15.4	107	0.2	28.1	9.9	405
RL7 150	0.8	23.7	17.8	100	0.2	21.2	9.1	589
RL7 200	0.4	19.3	14	80	0.2	16.3	7.9	497
RL7 350	2.3	48.8	18.7	125	0.4	34.6	10.8	334
RL7 400	0.5	16	11.3	81	0.2	13	6.2	469
RL7 450	0.4	17.1	10	54	0.3	12.1	3.1	86
RL7 550	1.1	26.2	15.3	78	0.3	23.8	9.4	482
RL7 750	6.1	60.7	24.5	250	2.1	72.3	15.2	214
RL7 1100	1	39.6	20.5	83	0.2	33.9	13.4	229
RL7 1500	0.7	33.8	30.3	94	0.2	32.2	13.9	441
RL7 1650	0.5	34.4	22.4	157	0.1	37.2	14.3	203
RL7 1750	1.1	18.2	27.4	102	<.1	21.1	12.4	614
RL8 0	1.7	9.4	11.2	95	0.1	10.9	3.9	171
RE RL8 0	1.7	9.5	11.2	98	0.1	11.2	3.9	170
RL8 50	2.2	9.3	9.7	94	0.2	15.4	5.7	177
RL8 100	2.6	20	10.5	93	0.2	23.6	7.2	205
RL8 150	2.5	17.8	11.5	69	0.3	18.5	6.1	165

ELEMENT Tl	S	Ga	Se	
RL4 1000	0.2	0.95	1	3
RL4 1050	0.1	0.49	1	2
RL4 1100	0.3	1.03	1	31.1
RL4 1150	0.1	0.23	<1	3.4
RL4 1200	0.2	0.14	1	2.2
RL4 1250	0.2	<.05	1	2.5
RL4 1300	0.1	0.06	1	1.2
RL4 1350	0.1	<.05	2	1.1
RL4 1400	0.1	0.06	1	1.1
RL4 1450	0.2	0.12	1	5.2
RL4 1500	0.1	<.05	1	0.7
RL4 1550	0.1	<.05	1	0.6
STANDAR	1.1	<.05	7	5
G-1	0.3	<.05	4	<.5
RL4 1600	0.1	0.15	1	1.6
RL4 1650	0.4	0.11	1	6.2
RL4 1750	0.5	0.09	1	8.3
RL4 1800	0.2	0.15	2	2.7
RL4 1850	0.2	0.2	1	2
RL4 1900	0.3	0.33	1	11.7
RL4 1950	0.3	0.45	1	1.8
RL4 2000	0.2	0.21	1	5.6
RL5 0	0.3	<.05	11	2.3
RL5 50	0.4	0.14	10	3.9
RL5 100	0.3	0.06	11	3.1
RL5 150	0.2	0.13	6	3
RL5 250	0.1	<.05	4	1.1
RL5 300	0.1	<.05	4	1.3
RL5 350	0.2	<.05	11	1.1
RL5 450	0.2	<.05	8	1.2
RL5 500	0.3	<.05	6	1.3
RL5 550	0.4	<.05	8	2.4
RL5 575	0.1	<.05	2	1.6
RL5 600	0.2	<.05	6	0.9
RL5 650	0.1	<.05	5	2.8
RL5 700	0.3	<.05	3	1.8
RE RL5 95	0.4	<.05	4	2.4
RL5 750	0.5	0.14	2	3.1
RL5 800	0.2	0.08	6	5.1
RL5 850	0.2	0.06	2	2.1
RL5 900	0.2	0.07	3	5.7
RL5 950	0.5	0.06	4	2.6
RL5 1000	0.2	<.05	5	0.7
RL5 1200	0.1	0.06	2	1.5
RL5 1400	0.1	<.05	3	1.2
RL5 1450	0.1	0.07	2	1.5
RL5 1500	0.1	<.05	3	2.4
STANDAR	1.1	<.05	6	4.9
G-1	0.3	<.05	5	<.5
RL5 1550	0.1	<.05	2	1.5
RL5 1600	0.1	0.09	2	1.6

ELEMENT Ti	B	Al	Na	K	W	Hg	Sc	
RL4 1000	0.004	3	0.29	0.007	0.12	0.1	0.67	4.4
RL4 1050	0.002	2	0.33	0.004	0.14	0.1	0.5	3.2
RL4 1100	0.001	3	0.15	0.006	0.15	0.1	2.3	1.6
RL4 1150	0.001	3	0.2	0.004	0.08	<.1	0.85	3
RL4 1200	0.001	2	0.21	0.003	0.06	0.1	0.41	2.7
RL4 1250	0.002	1	0.33	0.004	0.06	0.1	0.24	2.1
RL4 1300	0.002	3	0.29	0.003	0.07	<.1	0.2	3.2
RL4 1350	0.002	3	0.51	0.003	0.06	<.1	0.34	3
RL4 1400	0.001	1	0.33	0.004	0.05	0.1	0.09	2.9
RL4 1450	0.003	2	0.35	0.006	0.13	<.1	0.1	2.5
RL4 1500	0.001	1	0.19	0.001	0.04	<.1	0.09	2.7
RL4 1550	0.001	1	0.25	0.002	0.05	0.1	0.06	2.2
STANDAR	0.099	16	1.95	0.033	0.14	5.2	0.19	3.4
G-1	0.125	1	0.9	0.078	0.57	1.3	0.01	2.5
RL4 1600	0.001	1	0.4	0.005	0.07	<.1	0.04	2
RL4 1650	0.001	2	0.36	0.003	0.08	<.1	0.45	5.5
RL4 1750	0.001	1	0.22	0.002	0.06	0.1	0.91	2.8
RL4 1800	0.001	2	0.7	0.006	0.1	0.1	0.27	3.2
RL4 1850	0.001	1	0.27	0.003	0.06	<.1	0.14	2.8
RL4 1900	0.001	4	0.31	0.005	0.11	<.1	0.42	3.7
RL4 1950	0.002	4	0.43	0.004	0.09	<.1	0.08	3.6
RL4 2000	0.001	3	0.41	0.004	0.08	<.1	0.27	3.3
RL5 0	0.063	4	2.75	0.147	0.2	0.4	0.04	6.9
RL5 50	0.035	3	2.96	0.128	0.27	0.2	0.02	7.1
RL5 100	0.071	2	3.18	0.337	0.21	0.1	0.03	7.2
RL5 150	0.022	14	1.74	0.118	0.19	0.2	0.04	4.6
RL5 250	0.016	1	1.08	0.005	0.09	0.2	0.04	2.1
RL5 300	0.007	1	1.21	0.004	0.07	0.4	0.07	2.8
RL5 350	0.087	3	2.79	0.116	0.1	0.2	0.03	6.8
RL5 450	0.021	1	1.36	0.033	0.07	0.2	0.08	3
RL5 500	0.014	2	1.74	0.01	0.07	0.2	0.07	3
RL5 550	0.045	<1	1.18	0.008	0.07	0.3	0.03	1.8
RL5 575	0.003	1	0.54	0.006	0.06	0.1	0.18	2.6
RL5 600	0.023	2	1.34	0.006	0.17	0.2	0.04	2.2
RL5 650	0.008	1	1.04	0.005	0.06	12.7	0.05	2
RL5 700	0.002	1	0.51	0.004	0.05	2.1	0.87	2.4
RE RL5 95	0.006	1	1.3	0.006	0.07	0.3	0.36	3.5
RL5 750	0.004	2	0.7	0.004	0.1	5.6	0.58	3.1
RL5 800	0.011	1	0.91	0.004	0.08	0.2	0.18	1.4
RL5 850	0.005	<1	0.73	0.006	0.07	0.2	0.44	3.2
RL5 900	0.004	1	1.52	0.006	0.08	0.1	0.3	3.6
RL5 950	0.006	1	1.23	0.006	0.07	0.3	0.39	3.7
RL5 1000	0.011	<1	0.72	0.004	0.03	0.3	0.3	0.9
RL5 1200	0.001	1	0.82	0.005	0.06	0.1	0.21	3
RL5 1400	0.001	<1	0.94	0.004	0.05	<.1	0.2	3.4
RL5 1450	0.002	1	0.55	0.005	0.05	0.1	0.21	2.2
RL5 1500	0.003	2	0.86	0.008	0.11	<.1	0.26	3.7
STANDAR	0.091	17	1.98	0.033	0.13	5.1	0.18	3.4
G-1	0.132	1	0.95	0.081	0.53	1.3	<.01	2.6
RL5 1550	0.003	1	0.8	0.006	0.08	<.1	0.2	3.2
RL5 1600	0.003	<1	0.64	0.007	0.07	0.1	0.19	2.5

ELEMENT Bi	V	Ca	P	La	Cr	Mg	Ba	
RL4 1000	8.3	20	3.23	0.188	10	12.7	1.03	176
RL4 1050	22.5	14	1.96	0.154	11	8.7	0.67	450
RL4 1100	244.1	8	0.18	0.033	4	5.9	0.04	126
RL4 1150	4.2	14	0.63	0.091	16	8.3	0.31	566
RL4 1200	5	12	0.34	0.024	12	7.8	0.27	621
RL4 1250	1.9	16	0.3	0.059	21	9	0.09	686
RL4 1300	0.7	15	0.07	0.035	15	10.4	0.06	1423
RL4 1350	0.7	17	0.3	0.053	14	11.1	0.25	957
RL4 1400	1	11	0.16	0.021	14	7.1	0.11	1820
RL4 1450	1	13	0.08	0.046	19	9.1	0.12	712
RL4 1500	0.7	11	0.05	0.013	9	5.3	0.06	771
RL4 1550	0.5	11	0.07	0.021	19	7.6	0.09	791
STANDAR	6.3	61	0.76	0.091	11	188.6	0.68	137
G-1	0.1	40	0.55	0.078	7	13	0.59	253
RL4 1600	0.9	15	0.04	0.033	18	7.1	0.03	1208
RL4 1650	0.7	22	1.56	0.217	15	14.9	0.1	483
RL4 1750	0.5	19	0.59	0.159	14	7	0.06	197
RL4 1800	0.4	19	1.02	0.094	15	13.9	0.35	469
RL4 1850	0.3	12	0.75	0.22	22	7.9	0.08	236
RL4 1900	0.3	25	2.37	0.263	13	13.9	0.51	434
RL4 1950	0.6	18	1.87	0.36	18	8.6	0.21	431
RL4 2000	0.3	22	1.74	0.14	12	11	0.21	362
RL5 0	8.9	75	1.55	0.138	13	56.4	1.33	160
RL5 50	20.4	69	1.94	0.171	12	55.3	1.53	173
RL5 100	2.9	95	2.93	0.142	9	66.9	1.55	166
RL5 150	5.2	48	2.37	0.11	24	41.5	0.91	232
RL5 250	1.3	53	0.27	0.035	16	23.5	0.36	306
RL5 300	1.6	42	0.05	0.05	13	25.3	0.33	235
RL5 350	1.9	62	1.55	0.072	6	54.5	2.12	138
RL5 450	3	48	0.61	0.099	13	38.8	0.67	128
RL5 500	7.7	44	0.41	0.077	12	31.4	0.55	194
RL5 550	1.3	108	0.09	0.045	9	23.5	0.29	69
RL5 575	0.4	22	0.53	0.062	10	13.2	0.24	441
RL5 600	1.7	50	0.04	0.057	13	35.2	0.43	746
RL5 650	4.5	58	0.17	0.035	13	25	0.28	118
RL5 700	20.1	42	0.04	0.051	21	19.4	0.06	185
RE RL5 95	2.2	41	0.88	0.05	22	22.6	0.44	290
RL5 750	8.9	43	0.08	0.056	22	23	0.19	426
RL5 800	3.1	77	0.04	0.123	18	29.8	0.22	527
RL5 850	0.9	27	0.4	0.056	9	18.6	0.29	1367
RL5 900	0.7	29	0.31	0.08	47	22.3	0.39	366
RL5 950	2.3	41	0.9	0.051	22	23.9	0.45	295
RL5 1000	1.1	56	0.02	0.055	9	13.6	0.06	66
RL5 1200	0.5	20	0.58	0.069	9	15.9	0.29	417
RL5 1400	0.3	22	0.21	0.034	9	18.1	0.31	517
RL5 1450	0.3	19	0.51	0.06	7	11.8	0.28	392
RL5 1500	0.3	30	0.38	0.084	13	20	0.31	696
STANDAR	6.2	59	0.72	0.093	12	185.4	0.69	135
G-1	0.1	45	0.56	0.083	9	13.3	0.59	263
RL5 1550	0.3	26	0.39	0.077	14	17.9	0.26	611
RL5 1600	0.4	24	0.98	0.068	12	15	0.27	600

ELEMENT Fe	As	U	Au	Th	Sr	Cd	Sb	
RL4 1000	6.21	1166.7	2.4	9.4	9.6	103	7.1	17.8
RL4 1050	2.84	552.5	2.3	6.5	10.4	104	7.5	8.9
RL4 1100	9.93	>10000	1.5	82.6	4.3	39	1.5	65.9
RL4 1150	5.7	323	3.3	6.4	11.1	82	1.4	4.1
RL4 1200	5.79	681	1.2	6.7	5.8	40	1.4	5
RL4 1250	4.8	91.5	1.8	2.1	6.5	44	1	5.2
RL4 1300	5.77	103.6	0.8	6.5	5.6	52	0.3	5.5
RL4 1350	3.33	83.8	1.2	4.1	3.9	48	0.5	3.3
RL4 1400	4.27	132.3	1.1	5.5	4.4	63	0.5	8.2
RL4 1450	5.97	292.8	1	8.8	7.1	87	0.4	4.7
RL4 1500	2.93	87.9	0.8	3.9	3.2	24	0.4	4.9
RL4 1550	3	55.5	0.5	4.4	4.5	45	0.2	2.6
STANDAR	3	17.9	6.4	42.8	2.9	45	5.9	3.8
G-1	1.95	<.5	1.6	<.5	3.9	84	<.1	<.1
RL4 1600	4.12	82.3	0.7	7.8	3.2	34	0.3	7.1
RL4 1650	2.78	42.3	1.9	1.3	3.7	75	3.3	4.4
RL4 1750	3.54	49.1	1.3	1.1	3.8	43	2	2.7
RL4 1800	3.46	21.6	1.6	2	5.6	65	1.3	1.7
RL4 1850	3.53	23.5	1	0.5	6.5	45	0.6	2
RL4 1900	3.39	47.1	2.2	2	5.1	109	3	7.2
RL4 1950	3.71	52	1.5	0.5	7.4	111	1	4.1
RL4 2000	2.72	76.6	1.7	1.7	2.6	99	2.5	2.9
RL5 0	4.65	499.2	1.5	9	6.6	70	0.2	1.3
RL5 50	5.8	3811.1	1.7	52.6	6.6	108	0.2	3.5
RL5 100	2.65	650.1	1.6	5.2	5.4	92	0.2	3
RL5 150	3.24	740.3	2.9	5.1	5.9	67	0.4	6
RL5 250	2.44	112.1	0.5	1.4	3.7	14	0.2	2
RL5 300	4.25	251.4	0.5	2.1	2.9	11	0.6	2.7
RL5 350	3.03	77.6	0.8	1.5	5.6	76	0.2	1.9
RL5 450	1.68	115	1	5.6	1.9	39	0.2	2.3
RL5 500	2.46	431	1.5	11.9	2.4	22	0.2	3
RL5 550	3.46	79.2	2.5	1.7	3	13	0.3	1.4
RL5 575	2.94	37	0.6	0.7	3.1	37	0.8	1.4
RL5 600	4.97	452.7	0.4	5.4	3.4	17	0.1	9.7
RL5 650	4.57	391.9	1.7	17.8	2.6	14	0.3	6.7
RL5 700	4.61	1417.2	1.1	38	3.6	30	0.6	71.9
RE RL5 95	2.82	223.3	4.2	9.5	3.2	51	0.6	1.1
RL5 750	5.12	1042.7	1.3	14.9	3.7	28	0.3	8.9
RL5 800	6.82	139.2	0.8	17.2	1.2	9	0.1	3.1
RL5 850	2.18	32.1	1.3	5.8	2.7	58	0.4	0.8
RL5 900	3.68	65.5	3.3	2.4	3.9	31	0.3	1.4
RL5 950	2.96	233.3	4.3	7.7	3.3	53	0.6	1.2
RL5 1000	3.36	42.9	0.5	4.5	1	5	0.2	1.7
RL5 1200	3.01	102.9	1.2	1.6	3.3	39	0.4	1
RL5 1400	3.28	13.8	0.7	1	4	28	0.3	0.8
RL5 1450	2.79	19.9	0.7	1.1	2.9	39	0.6	1.1
RL5 1500	3.2	22	0.9	0.7	5.1	42	0.8	1.8
STANDAR	2.95	17.8	6.3	44	3	47	5.6	3.9
G-1	2.05	<.5	1.9	<.5	4.4	84	<.1	<.1
RL5 1550	3.01	16.2	1.3	2	4.1	38	0.4	1.2
RL5 1600	2.41	30.4	1.2	3	2.9	51	0.6	1.5

ELEMENT	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn
RL4 1000	21.3	168.2	147.1	569	2	71.8	26.4	819
RL4 1050	15.1	306.9	109.2	544	2.4	31.6	12.4	637
RL4 1100	7.2	125.4	492.2	111	6.9	24.1	6.5	125
RL4 1150	12.2	171.4	45	129	0.9	78.3	25.2	397
RL4 1200	14.9	279.8	87.8	199	2	97.7	35.9	1317
RL4 1250	12.2	89.6	48.6	200	0.9	44.5	16.3	644
RL4 1300	14	201.6	69.5	224	1	59.6	14.9	587
RL4 1350	3.9	234.7	35.4	138	0.7	60.4	21.4	1913
RL4 1400	8.3	229.8	91	198	0.9	50.9	18.1	962
RL4 1450	11.4	208.6	33.7	159	0.5	88	48.1	1085
RL4 1500	4.1	142.9	52	131	0.4	38.3	14.6	1273
RL4 1550	2.4	155.5	26.3	133	0.2	48.9	18.3	1061
STANDAR	13	146.3	25	139	0.3	24.5	11.8	782
G-1	1.6	3	2.1	46	<.1	4.7	4.2	554
RL4 1600	15	117.7	27.1	132	0.3	34.6	11.8	736
RL4 1650	9.8	51.9	17.5	217	0.9	50.3	9.9	196
RL4 1750	22.4	40.6	22.2	298	0.5	59.9	14.2	328
RL4 1800	4.6	66.3	24	164	0.5	42.8	17.2	536
RL4 1850	6.1	39	20.3	148	0.4	44.3	16.5	327
RL4 1900	15.2	74.4	22.2	287	1.6	69.7	15.1	372
RL4 1950	16.1	35.1	35.2	245	0.3	56.5	20.8	317
RL4 2000	10.2	56.4	38.3	215	1	53.6	13.2	415
RL5 0	5.1	314.9	9.2	58	0.3	62.8	26.5	335
RL5 50	4.7	319.5	11.1	61	0.3	67.8	36.8	418
RL5 100	5.5	136.5	10.2	47	0.3	32.6	15.8	273
RL5 150	5.8	88.9	9.4	107	0.3	31.3	14.5	324
RL5 250	4.6	22.6	11.7	93	0.1	16.5	6.2	164
RL5 300	4.5	44.2	23	132	0.2	33.9	13	269
RL5 350	1.5	70	5.4	59	0.1	30.9	12.7	441
RL5 450	4.6	83	10.5	80	0.3	13.7	4	121
RL5 500	3	157.3	13	87	0.4	22.7	12.4	338
RL5 550	32.7	53.5	8.1	55	0.3	15	3.7	72
RL5 575	1.8	29.3	22.2	177	0.3	30.2	10.5	661
RL5 600	4.1	172.6	30.6	148	0.7	41.5	12.6	541
RL5 650	15.8	125.6	10.3	112	0.5	47.1	9.4	210
RL5 700	5	200.5	112.7	217	3.1	54.1	10.5	232
RE RL5 95	2.1	102.6	22.3	80	0.4	61.9	29.6	1514
RL5 750	9.1	204.4	9.6	73	0.5	61.2	17.6	205
RL5 800	7.7	136.6	16.3	104	2.9	26.6	4.6	123
RL5 850	0.9	101.8	14.3	160	0.4	28.7	7	205
RL5 900	2.7	232.3	17.3	144	0.5	73.1	42.2	262
RL5 950	2.3	104.6	24.2	84	0.4	63.4	31.4	1582
RL5 1000	3.5	40.3	15.1	87	1.3	13.7	5.3	293
RL5 1200	1.8	40.3	17.6	129	0.3	35.5	9.2	298
RL5 1400	1.8	32.8	21.7	111	0.2	40.5	14.4	308
RL5 1450	1.8	29.6	16.3	106	0.2	28.1	10.1	417
RL5 1500	2.2	43.7	27.1	146	0.4	42.2	12.9	544
STANDAR	12.5	138.6	25.1	138	0.2	23.2	11.7	749
G-1	1.4	3	2.3	47	<.1	4.4	4.2	610
RL5 1550	1.7	41.6	24.5	121	0.4	33.8	11.3	402
RL5 1600	1.5	29.1	29.6	112	0.5	23.3	7.7	362

ELEMENT TI	S	Ga	Se	
RL2 1700	0.1 <.05		2	0.9
RL2 1750	0.2 <.05		6 <.5	
RL2 1800	0.1 <.05		3 <.5	
RL2 1850	0.1 <.05		3	0.8
RL2 1900	0.1 <.05		5 <.5	
RE RL2 19	0.1 <.05		5 <.5	
RL2 1950	0.1 <.05		8 <.5	
RL2 2000	0.2 <.05		7	1.1
RL3 0	0.2 <.05		2	0.9
RL3 50	0.1 <.05		3	0.8
RL3 100	0.2 <.05		3	1.2
RL3 150	0.1 <.05		3	0.5
RL3 200	0.1 <.05		3	0.7
RL3 250	0.1 <.05		3	1
RL3 300	0.1 <.05		3	1.1
RL3 350	0.1 <.05		3	0.8
RL3 400	0.2 <.05		4	0.7
RL3 450	0.1 <.05		3	0.6
RL3 550	0.1 <.05		4	1.1
RL3 600	0.1 <.05		3	1
RL3 650	0.2 <.05		3	0.9
RL3 750	0.1 <.05		3	0.9
RL3 800	0.1 <.05		3	0.9
RL3 900	0.1	0.06	3	0.8
RL3 1150	0.1	0.07	3	0.8
RL3 1200	0.1	0.1	3	1.1
RL3 1600	0.1 <.05		5 <.5	
RL3 1650	0.2 <.05		3	1.2
STANDAR	1.1 <.05		7	5.3
G-1	0.4 <.05		4 <.5	
RL4 0	0.2 <.05		1	2.3
RL4 50	0.4	0.21	1	0.9
RL4 100	0.2	0.06 <1		0.9
RL4 150	0.7	0.17	1	2.2
RL4 200	0.2	0.07 <1		1.7
RL4 250	0.3	0.36 <1		1.4
RL4 300	0.5	0.69	1	5
RL4 350	0.4	0.28	1	3.8
RL4 400	0.5	0.1	1	4.2
RL4 450	0.3 <.05		1	2.9
RL4 500	0.2 <.05		1	1.5
RL4 550	0.1	0.12 <1		1.6
RL4 600	0.6	0.43 <1		2.9
RL4 650	0.4	0.5 <1		4.1
RL4 700	0.3	0.42	1	3.5
RL4 750	0.3	0.46	1	3.4
RL4 800	0.1	1.38 <1		7.1
RL4 850	0.2	0.19	1	6.6
RL4 900	0.2	1.77	1	4.8
RL4 950	0.1	0.65	1	3.9
RE RL4 95	0.1	0.69	1	4.1

ELEMENT	Ti	B	Al	Na	K	W	Hg	Sc	
RL2 1700	0.003	2	0.69	0.004	0.08	<.1		0.29	5.6
RL2 1750	0.007	2	1.78	0.004	0.05	0.1		0.04	3.1
RL2 1800	0.002	1	0.97	0.003	0.05	0.1		0.07	3.1
RL2 1850	0.003	1	0.75	0.002	0.08	<.1		0.07	1.7
RL2 1900	0.011	1	1.11	0.003	0.09	0.1		0.04	1.8
RE RL2 19	0.011	2	1.11	0.003	0.1	0.1		0.03	1.9
RL2 1950	0.006	2	2.23	0.004	0.13	<.1		0.04	3.4
RL2 2000	0.009	3	1.94	0.002	0.21	0.1		0.04	2.5
RL3 0	0.002	2	0.81	0.005	0.07	0.1		0.23	2.7
RL3 50	0.003	1	0.91	0.004	0.07	0.1		0.21	2.9
RL3 100	0.011	2	0.95	0.009	0.09	0.1		0.21	3.5
RL3 150	0.005	2	0.96	0.005	0.08	0.1		0.16	2.7
RL3 200	0.008	1	0.91	0.005	0.08	0.1		0.15	2.7
RL3 250	0.007	2	0.92	0.005	0.08	0.1		0.16	2.7
RL3 300	0.005	2	0.92	0.007	0.08	0.1		0.16	2.4
RL3 350	0.005	1	0.86	0.007	0.06	0.2		0.18	2
RL3 400	0.007	3	1.21	0.006	0.1	0.1		0.16	3
RL3 450	0.007	2	0.9	0.006	0.07	0.1		0.16	2.3
RL3 550	0.005	1	1.03	0.005	0.07	0.1		0.19	3.2
RL3 600	0.004	2	0.98	0.006	0.07	0.1		0.19	2.5
RL3 650	0.005	2	1.05	0.006	0.07	0.1		0.19	2.7
RL3 750	0.007	3	0.95	0.007	0.08	0.1		0.17	2.5
RL3 800	0.005	2	0.89	0.005	0.07	0.1		0.18	2.5
RL3 900	0.003	1	0.88	0.005	0.06	0.1		0.15	2.4
RL3 1150	0.005	2	1.04	0.007	0.07	0.1		0.17	2.6
RL3 1200	0.006	2	0.88	0.007	0.06	0.1		0.13	2.1
RL3 1600	0.015	1	0.45	0.003	0.02	0.1		0.01	0.8
RL3 1650	0.005	2	0.88	0.006	0.08	0.1		0.17	2.7
STANDAR	0.098	19	1.99	0.034	0.15	4.8		0.18	3.8
G-1	0.135	1	0.91	0.082	0.54	1.3	<.01		3.3
RL4 0	0.002	3	0.48	0.005	0.05	0.1		0.43	2.6
RL4 50	<.001	2	0.17	0.005	0.08	0.4		2.06	7.4
RL4 100	0.001	2	0.12	0.002	0.05	0.1		0.91	2.8
RL4 150	<.001	3	0.11	0.004	0.09	0.1		1.19	2.5
RL4 200	<.001	1	0.19	0.003	0.06	0.1		0.96	3.3
RL4 250	0.001	2	0.24	0.055	0.09	0.1		0.79	3.4
RL4 300	0.002	2	0.34	0.011	0.11	<.1		2.67	3.4
RL4 350	0.001	3	0.23	0.007	0.07	0.1		1.24	3.1
RL4 400	0.002	2	0.35	0.005	0.07	<.1		0.73	2.9
RL4 450	0.002	3	0.33	0.006	0.08	<.1		0.43	3.4
RL4 500	0.002	3	0.31	0.004	0.06	0.1		0.51	2.9
RL4 550	0.001	3	0.12	0.004	0.08	0.2		0.3	3.5
RL4 600	0.001	3	0.2	0.046	0.1	0.1		0.49	3.5
RL4 650	0.001	2	0.23	0.028	0.09	<.1		0.33	3.5
RL4 700	0.001	4	0.27	0.006	0.12	0.1		0.15	2.9
RL4 750	0.002	1	0.3	0.027	0.1	<.1		0.05	4.7
RL4 800	0.001	2	0.24	0.004	0.07	<.1		0.31	1.9
RL4 850	0.001	1	0.24	0.005	0.09	<.1		0.37	2.9
RL4 900	0.001	2	0.19	0.011	0.15	0.1		0.66	2.2
RL4 950	0.002	2	0.35	0.005	0.12	<.1		0.32	3.2
RE RL4 95	0.002	1	0.32	0.005	0.09	0.1		0.34	2.9

ELEMENT Bi	V	Ca	P	La	Cr	Mg	Ba	
RL2 1700	0.4	22	0.6	0.096	20	14.3	0.21	235
RL2 1750	0.2	65	0.21	0.033	20	26.1	0.27	442
RL2 1800	0.2	37	0.21	0.083	28	13.9	0.14	372
RL2 1850	0.2	35	0.07	0.052	26	12.3	0.13	231
RL2 1900	0.2	52	0.12	0.042	18	20.3	0.31	295
RE RL2 19	0.2	53	0.13	0.042	19	19.6	0.3	306
RL2 1950	0.2	64	0.1	0.053	33	26.8	0.64	489
RL2 2000	0.3	79	0.08	0.118	23	29.3	1.43	207
RL3 0	0.4	27	0.9	0.091	15	15	0.18	699
RL3 50	0.4	31	0.43	0.083	19	18.3	0.24	396
RL3 100	0.3	37	0.53	0.097	21	21	0.31	641
RL3 150	0.3	28	0.31	0.071	30	19.4	0.29	450
RL3 200	0.3	30	0.25	0.073	27	19.1	0.3	480
RL3 250	0.3	34	0.36	0.077	22	19.5	0.28	423
RL3 300	0.3	31	0.74	0.071	22	19.1	0.3	438
RL3 350	0.3	27	1.14	0.084	15	16.7	0.25	587
RL3 400	0.4	40	0.54	0.068	20	22.3	0.34	580
RL3 450	0.3	35	0.65	0.086	18	19.5	0.29	405
RL3 550	0.4	31	0.37	0.065	23	20.2	0.32	429
RL3 600	0.4	31	0.77	0.087	16	17.8	0.3	521
RL3 650	0.4	33	0.63	0.08	20	18.8	0.3	528
RL3 750	0.3	37	0.7	0.083	18	18.8	0.3	476
RL3 800	0.4	36	0.75	0.078	13	18.6	0.27	445
RL3 900	0.3	25	1.28	0.048	13	16	0.28	400
RL3 1150	0.4	31	1.06	0.068	15	18.1	0.31	560
RL3 1200	0.3	30	1.5	0.06	13	17.1	0.25	344
RL3 1600	0.2	60	0.04	0.011	19	9.2	0.04	52
RL3 1650	0.6	40	0.41	0.111	20	20.2	0.25	463
STANDAR	6	62	0.76	0.089	15	176.7	0.68	143
G-1	0.1	43	0.53	0.085	6	13.6	0.6	272
RL4 0	0.2	23	1.1	0.158	10	10.9	0.17	445
RL4 50	0.6	22	0.06	0.008	3	8.6	0.02	354
RL4 100	0.5	12	0.07	0.011	7	5.1	0.05	710
RL4 150	0.5	20	0.06	0.008	5	7.2	0.1	420
RL4 200	0.6	15	0.22	0.029	6	6.3	0.18	724
RL4 250	0.4	13	0.18	0.093	10	7.3	0.08	427
RL4 300	0.3	27	1.52	0.319	14	7.4	0.31	215
RL4 350	0.4	16	0.58	0.159	14	6.5	0.12	412
RL4 400	0.3	25	0.99	0.194	11	10.6	0.37	415
RL4 450	0.3	21	1.34	0.22	15	9	0.46	415
RL4 500	0.4	18	0.54	0.15	19	8.6	0.26	657
RL4 550	0.6	13	0.09	0.007	10	5.4	0.09	569
RL4 600	0.5	15	0.32	0.1	10	6.3	0.15	312
RL4 650	0.4	19	0.73	0.122	12	8.7	0.2	316
RL4 700	0.4	12	0.75	0.198	23	6.6	0.28	265
RL4 750	0.4	15	0.52	0.135	13	7.3	0.2	329
RL4 800	0.6	13	0.78	0.168	14	5.6	0.34	126
RL4 850	38.2	16	0.59	0.185	18	8.2	0.11	269
RL4 900	38.3	14	1.69	0.056	6	8.4	0.07	119
RL4 950	3.1	21	2.75	0.23	9	18.8	0.8	348
RE RL4 95	3.3	19	2.63	0.236	8	17.7	0.83	273

ELEMENT Fe	As	U	Au	Th	Sr	Cd	Sb	
RL2 1700	3.79	24.5	1.3	4.7	8.8	50	0.4	2.2
RL2 1750	2.4	8	0.4	0.9	3.2	17	0.3	0.5
RL2 1800	3.32	9.8	1.2	1.9	2.9	20	0.4	0.9
RL2 1850	2.83	11.2	0.9	2.4	3.7	15	0.4	1.3
RL2 1900	2.45	9.3	0.5	0.8	1.2	14	0.4	0.8
RE RL2 19	2.54	9.4	0.5	1	1.2	14	0.3	0.7
RL2 1950	4.52	10	0.7	1.2	4.7	15	0.4	1.1
RL2 2000	3.53	16	1.1	4.2	2.9	12	0.4	1.5
RL3 0	2.25	18.7	1.1	4	2.9	65	0.3	1.1
RL3 50	1.76	19	1.1	3	4.9	40	0.2	1
RL3 100	2.86	19	1.4	2.2	5.9	52	0.9	1.4
RL3 150	2.59	15.8	1.2	2.5	6.8	28	0.3	0.9
RL3 200	2.31	14.3	1.3	2.9	6.3	28	0.3	0.9
RL3 250	2.29	16.4	1.1	3.1	4.9	34	0.4	1.1
RL3 300	2.47	13.2	1.7	3	3.3	62	1	0.8
RL3 350	2.04	18.3	1.2	6.4	2.4	73	0.6	1.1
RL3 400	2.84	25.5	1	3.2	4.5	43	0.5	1.2
RL3 450	2.24	16.8	1.5	22.9	3.5	50	0.3	0.8
RL3 550	2.16	16.1	1.7	2.2	6.5	37	0.3	0.9
RL3 600	2.21	24.5	1.7	2.3	2.9	57	0.4	1
RL3 650	2.31	23.5	1.4	2.6	3.9	54	0.4	1
RL3 750	2.3	16.1	1.5	3.9	3.2	53	0.4	1
RL3 800	2.19	20.8	1.2	3.4	2.6	52	0.3	0.9
RL3 900	1.64	8.8	1.7	1.8	3.7	83	0.5	0.6
RL3 1150	2.07	16.1	2	2.1	3.4	78	0.5	0.8
RL3 1200	1.94	12.1	2.5	1.9	2	97	0.4	0.5
RL3 1600	0.88	7.1	0.4	0.9	2.7	6	0.1	0.7
RL3 1650	2.99	46.7	0.9	4.7	4.4	38	0.5	1.7
STANDAR	2.86	18.5	6.5	43.9	3	51	5.5	3.7
G-1	1.94	0.6	1.5	0.5	3.8	79	<.1	<.1
RL4 0	2.67	15.5	1.8	2	2.4	61	1.1	1.8
RL4 50	7.53	574.2	1.5	3.7	1.7	35	0.1	141.6
RL4 100	3	126.6	0.8	3.8	2.4	25	0.2	52.8
RL4 150	3.66	334.7	1.6	1.6	2.3	40	0.1	65.9
RL4 200	3.89	142.8	1.7	4.1	2.3	47	0.2	36.3
RL4 250	6.03	46.4	1.8	0.7	6.2	147	0.9	6.7
RL4 300	4.38	119.1	7.1	0.7	8.7	115	1.9	26.2
RL4 350	4.22	123	2.9	1.9	5.9	75	1.3	20.9
RL4 400	3.51	99.8	2.1	0.5	6.1	68	1.7	19.5
RL4 450	3.65	27.9	1.9	1.1	6.9	69	1.2	3
RL4 500	3.77	41	1.9	1.7	7.3	76	0.6	6.7
RL4 550	3.89	1122.2	0.8	10.7	3.1	41	0.3	22.2
RL4 600	6.36	144.1	3	0.9	6.5	179	0.9	19.1
RL4 650	5.19	77.3	2.6	2	7.1	145	1	11.5
RL4 700	3.4	87	1.7	1.5	11.1	73	1.6	21.3
RL4 750	6.38	35.4	4.5	1.3	8.1	175	2.3	3.1
RL4 800	3.45	35.7	6.5	0.7	12.4	137	1.2	7.3
RL4 850	6.09	2043.5	2.2	3.7	8.6	76	2.3	8.9
RL4 900	7.42	1151.1	4.5	1	8.2	86	1.3	7.1
RL4 950	2.8	50.3	1.6	1.2	7.8	104	3.2	3.1
RE RL4 95	2.98	50.7	1.7	0.7	8.2	99	3.4	3.2

ELEMENT Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	
RL2 1700	4	62.7	18.6	134	0.3	43.1	15.6	1104
RL2 1750	1.7	11.5	16.1	95	0.1	14.1	8.7	844
RL2 1800	3.5	36.9	13.6	86	0.2	23.7	11.8	482
RL2 1850	6.2	41.3	13.1	98	0.3	22.5	7.5	147
RL2 1900	1.9	19.5	10.4	79	0.2	14.6	6.1	277
RE RL2 19	1.7	19.9	10.9	78	0.2	14.3	6.3	289
RL2 1950	3.4	36.2	22.7	108	0.3	22.9	12.7	639
RL2 2000	5	43.6	18.6	106	0.1	23.6	8.9	341
RL3 0	3.8	37.8	17.8	100	0.4	31.7	9.4	639
RL3 50	2.2	26.2	21.8	85	0.2	17.8	5	97
RL3 100	2.5	38.3	20.3	128	0.4	33.6	10.8	347
RL3 150	2	30.6	20.9	102	0.2	26.9	8.6	224
RL3 200	2.1	30.9	17.2	101	0.2	25.3	9.3	268
RL3 250	2.5	29	16.7	109	0.3	25.7	9.1	310
RL3 300	1.2	25.6	17.3	131	0.2	26.6	10.6	636
RL3 350	1.7	34.4	15.1	94	0.4	27.8	6.6	441
RL3 400	1.8	36.6	21	130	0.3	33.6	10.1	386
RL3 450	2.2	17.4	16.6	100	0.3	19.6	9.4	528
RL3 550	1.2	26.4	23.2	106	0.2	25	7.5	242
RL3 600	2.1	21.6	17.6	93	0.3	21.7	10	561
RL3 650	2	24.6	18.1	94	0.3	26.6	11.2	1062
RL3 750	2.3	22	15.9	98	0.3	22.2	9.3	566
RL3 800	2.6	16.4	19.7	85	0.3	17.5	10.4	695
RL3 900	0.4	19.2	15.6	97	0.2	19.7	8.6	360
RL3 1150	1.2	22	19.8	97	0.3	22.2	10.9	519
RL3 1200	0.8	20.1	20.4	93	0.2	18.3	9.2	576
RL3 1600	1.4	4.9	5.6	30	<.1	4.8	1.5	45
RL3 1650	4	36	16.4	149	0.3	33.5	11.3	410
STANDAR	12.3	144.6	25.6	139	0.3	24.6	11.7	742
G-1	1.5	2.6	1.9	44	<.1	4.2	3.8	579
RL4 0	7.7	38	13.1	130	0.4	36.5	11.8	626
RL4 50	3.1	189.5	11.8	193	0.2	61.8	19.7	467
RL4 100	7.6	150.1	22.8	113	0.1	45.1	19	1357
RL4 150	12.8	122.8	23.5	111	0.1	46.5	16.2	648
RL4 200	8.7	164.6	28.6	132	0.3	54	20.2	1107
RL4 250	10.1	63.5	32.3	168	0.2	86.1	27.5	1322
RL4 300	27.4	67.5	26.9	294	0.6	86.1	21.5	455
RL4 350	13.7	94.9	25.8	191	0.6	64.8	22.9	479
RL4 400	17.3	73.9	20.9	205	0.6	61.8	20.3	615
RL4 450	13.1	56.6	20.3	166	0.5	60.9	19.7	604
RL4 500	11.3	108.3	24.1	150	0.3	59.4	17.6	678
RL4 550	2.4	271.3	27.2	131	0.4	55.1	23.2	1465
RL4 600	19	106.3	37.4	185	0.7	69.1	22.9	1091
RL4 650	23.3	67.8	28.7	173	0.7	60.5	19	537
RL4 700	16.6	39	27.4	208	0.6	59	20.3	625
RL4 750	14.7	71.4	26.8	217	0.2	116.6	39.1	2443
RL4 800	53.8	62.5	30.9	220	0.5	73.4	24.1	344
RL4 850	11.6	79.3	88.6	228	3.1	73.5	25.4	504
RL4 900	23.1	138.4	69.8	237	2.1	54.9	16	254
RL4 950	5	62.9	25.6	260	0.3	34.5	10.6	336
RE RL4 95	5.5	64.3	27.1	258	0.3	35.6	12.2	347

ELEMENT	Tl	S	Ga	Se	
RL1 1200		0.3	0.18	5	3.2
RL1 1250		0.4	0.12	6	3.8
RL1 1300		0.2	0.16	7	5.7
RL1 1400		0.1	0.08	6	5.7
RL1 1450		0.2	0.07	5	5.2
RL1 1500		0.4	0.06	6	8.5
RL1 1550		0.2	<.05	3	1.7
RL1 1600		0.2	<.05	4	3
RL1 1650		0.3	<.05	4	5.9
STANDAR		1.1	<.05	6	4.9
G-1		0.4	<.05	5	<.5
RL1 1700		0.3	0.48	3	7.7
RL1 1750		0.3	<.05	3	4.1
RL1 1800		0.2	0.07	2	3.8
RL1 1850		0.2	0.09	2	4.4
RL1 1900		0.2	<.05	2	3.9
RL1 1950		0.4	<.05	3	4.2
RL2 0		0.2	<.05	4	0.6
RL2 50		0.1	<.05	3	0.8
RL2 100		0.1	<.05	1	0.6
RL2 200		0.1	<.05	2	0.7
RL2 250		0.1	0.08	3	1.1
RL2 300		0.1	<.05	2	0.7
RL2 350	<.1		<.05	2	1
RL2 400	<.1		<.05	1	0.7
RL2 450		0.1	<.05	3	0.6
RL2 500		0.1	<.05	2	0.6
RE RL2 50		0.1	<.05	2	0.6
RL2 550		0.1	<.05	2	0.5
RL2 650		0.1	<.05	1	<.5
RL2 700	<.1		<.05	1	0.8
RL2 725	<.1		<.05	1	<.5
RL2 750		0.1	<.05	3	1.5
RL2 800		0.1	<.05	2	2.4
RL2 850		0.3	<.05	4	3.6
RL2 900		0.3	<.05	3	3.7
RL2 950		0.2	<.05	5	1.4
RL2 1000		0.2	<.05	4	1.4
RL2 1050		0.2	<.05	4	1.3
RL2 1100		0.2	<.05	3	1.3
RL2 1150		0.2	<.05	4	1.5
RL2 1200		0.2	<.05	4	1.3
RL2 1250		0.2	<.05	5	1.2
RL2 1350		0.2	<.05	4	4.5
STANDAR		1.1	<.05	7	4.8
G-1		0.3	<.05	5	<.5
RL2 1400		0.2	<.05	4	1.7
RL2 1450		0.2	<.05	4	2.2
RL2 1550		0.2	<.05	4	1.1
RL2 1600		0.2	<.05	3	1.7
RL2 1650		0.2	<.05	4	1

ELEMENT Ti	B	Al	Na	K	W	Hg	Sc	
RL1 1200	0.011	5	1.27	0.043	0.22	0.1	0.17	5.5
RL1 1250	0.013	5	1.44	0.042	0.12	0.2	0.11	5.6
RL1 1300	0.025	5	1.7	0.071	0.14	0.4	0.06	5.5
RL1 1400	0.017	4	1.67	0.03	0.08	0.3	0.04	4.4
RL1 1450	0.013	8	1.48	0.058	0.09	0.2	0.12	3.7
RL1 1500	0.026	3	1.9	0.063	0.15	0.2	0.08	4.3
RL1 1550	0.011	1	0.92	0.021	0.11	0.3	0.21	3.2
RL1 1600	0.008	4	1.2	0.027	0.13	0.1	0.24	3.9
RL1 1650	0.017	4	1.29	0.029	0.12	0.2	0.12	4
STANDAR	0.091	17	2.01	0.035	0.14	5.1	0.18	3.6
G-1	0.148	<1	1	0.117	0.61	1.4	0.01	3.5
RL1 1700	0.013	5	0.88	0.018	0.17	0.2	0.11	3.4
RL1 1750	0.019	3	0.94	0.016	0.16	0.3	0.32	3.6
RL1 1800	0.008	3	0.73	0.016	0.14	0.1	0.4	3.6
RL1 1850	0.006	5	0.57	0.008	0.11	0.1	0.41	3.3
RL1 1900	0.006	3	0.59	0.013	0.11	0.1	0.58	3.1
RL1 1950	0.009	7	0.82	0.011	0.19	0.2	0.17	3.5
RL2 0	0.007	3	1.65	0.006	0.08	0.1	0.68	3.5
RL2 50	0.007	2	0.87	0.007	0.07	0.1	0.82	2.4
RL2 100	0.001	1	0.2	0.002	0.05	<.1	1.51	1.9
RL2 200	0.004	2	0.67	0.004	0.06	0.1	0.35	2.6
RL2 250	0.005	2	1.04	0.006	0.07	0.1	0.31	2.9
RL2 300	0.003	2	0.65	0.004	0.06	0.1	0.6	3.8
RL2 350	0.004	<1	0.71	0.005	0.04	0.1	0.37	3.8
RL2 400	0.002	2	0.46	0.004	0.05	0.1	0.15	3.5
RL2 450	0.012	2	0.93	0.007	0.06	<.1	0.14	3.3
RL2 500	0.005	2	0.71	0.005	0.06	0.1	0.17	4.4
RE RL2 50	0.006	2	0.65	0.005	0.05	<.1	0.16	3.9
RL2 550	0.007	1	0.77	0.006	0.07	0.1	0.2	3.9
RL2 650	0.001	6	0.67	0.015	0.26	1.5	0.06	2.5
RL2 700	0.002	2	0.32	0.004	0.05	0.1	0.09	2.9
RL2 725	0.001	2	0.19	0.002	0.04	<.1	0.05	3.5
RL2 750	0.015	3	0.9	0.01	0.13	0.1	0.17	3.3
RL2 800	0.006	2	0.65	0.006	0.08	0.1	0.13	2.7
RL2 850	0.005	2	1.33	0.003	0.12	0.1	0.19	2.7
RL2 900	0.007	1	1.12	0.003	0.12	<.1	0.29	4.1
RL2 950	0.027	1	1.68	0.005	0.08	0.1	0.2	4.2
RL2 1000	0.015	3	1.14	0.004	0.13	0.1	0.06	2.1
RL2 1050	0.021	1	1.36	0.004	0.11	0.1	0.1	3.6
RL2 1100	0.01	2	1.21	0.004	0.11	0.1	0.16	2.9
RL2 1150	0.013	3	1.38	0.004	0.13	0.1	0.12	2.6
RL2 1200	0.013	2	1.1	0.003	0.12	0.1	0.08	1.7
RL2 1250	0.009	1	1.23	0.004	0.11	0.1	0.09	1.5
RL2 1350	0.012	4	1.32	0.005	0.21	<.1	0.35	2.7
STANDAR	0.106	18	2	0.035	0.16	4.9	0.2	3.5
G-1	0.126	1	0.89	0.075	0.49	1.3	<.01	2.8
RL2 1400	0.007	3	1.25	0.004	0.11	0.1	0.17	3.6
RL2 1450	0.007	3	1.04	0.005	0.14	0.1	0.22	3.1
RL2 1550	0.004	2	1.07	0.004	0.09	0.1	0.22	2.6
RL2 1600	0.002	1	0.87	0.002	0.06	<.1	0.29	2.5
RL2 1650	0.002	1	1.05	0.004	0.07	0.1	0.19	3

ELEMENT Bi	V	Ca	P	La	Cr	Mg	Ba	
RL1 1200	23.9	42	3.79	0.183	32	30.4	0.91	739
RL1 1250	20.8	51	1.98	0.204	26	38.4	1	474
RL1 1300	12.6	58	2.88	0.238	16	42.2	1.08	205
RL1 1400	6	47	2.25	0.128	15	37.3	0.87	217
RL1 1450	5.1	41	3.56	0.137	17	32.7	0.84	220
RL1 1500	2.8	72	2.53	0.177	15	68.9	0.88	276
RL1 1550	2.5	32	0.46	0.071	18	21.7	0.35	520
RL1 1600	1.5	39	1.24	0.105	16	34.8	0.52	439
RL1 1650	3.5	50	1.75	0.143	18	46	0.71	325
STANDAR	6.1	58	0.72	0.094	12	190.9	0.69	138
G-1	0.1	43	0.58	0.086	8	15	0.64	289
RL1 1700	1.5	36	3.46	0.218	15	34.1	0.64	326
RL1 1750	2.3	36	2.06	0.165	18	27.4	0.61	638
RL1 1800	2.6	31	2.06	0.193	17	20.9	0.36	504
RL1 1850	1.5	28	2.46	0.18	16	23.2	0.35	512
RL1 1900	1.8	30	3.19	0.191	14	19.5	0.46	568
RL1 1950	1.1	43	2.74	0.299	20	32.6	0.75	471
RL2 0	0.2	49	2.13	0.06	14	24.3	0.27	448
RL2 50	0.3	28	2.77	0.072	14	17.3	0.28	228
RL2 100	0.5	9	0.29	0.021	36	13.4	0.04	72
RL2 200	0.4	21	0.51	0.043	40	14.5	0.14	302
RL2 250	0.2	29	1.22	0.073	11	20.1	0.33	414
RL2 300	0.4	19	0.83	0.05	16	16	0.18	248
RL2 350	0.3	21	1.13	0.055	12	14.8	0.21	195
RL2 400	0.4	13	1.28	0.052	14	10.4	0.14	178
RL2 450	0.3	28	0.55	0.052	17	20.1	0.39	240
RL2 500	0.4	21	0.89	0.048	16	14.3	0.24	271
RE RL2 50	0.4	19	0.9	0.046	15	13.5	0.22	260
RL2 550	0.4	24	0.42	0.04	18	17	0.3	237
RL2 650	0.1	6	1.55	0.008	7	10.9	0.03	124
RL2 700	0.5	10	1.35	0.064	11	10.3	0.11	197
RL2 725	0.5	7	0.24	0.022	11	6.5	0.09	91
RL2 750	0.3	43	0.34	0.071	20	24	0.34	480
RL2 800	0.3	32	0.69	0.062	10	22.2	0.25	437
RL2 850	0.3	64	0.03	0.053	23	26.8	0.31	358
RL2 900	0.2	65	0.15	0.068	23	24.5	0.23	1221
RL2 950	0.3	62	0.08	0.042	20	32.7	0.4	454
RL2 1000	0.2	53	0.09	0 073	19	24.5	0.32	289
RL2 1050	0.2	55	0.1	0.055	20	27.5	0.41	444
RL2 1100	0.2	42	0.11	0.066	21	24	0.37	433
RL2 1150	0.3	55	0.09	0.074	18	27	0.35	336
RL2 1200	0.2	51	0.11	0.075	21	22.5	0.28	423
RL2 1250	0.2	56	0.1	0.077	16	20.6	0.24	687
RL2 1350	0.2	52	0.52	0.138	19	24.5	0.69	605
STANDAR	6.3	60	0.76	0.097	12	191.4	0.7	144
G-1	0.1	41	0.56	0.07	9	12.6	0.57	261
RL2 1400	0.3	50	0.63	0.121	21	30.5	0.57	477
RL2 1450	0.2	45	0.53	0.097	20	19.7	0.52	387
RL2 1550	0.2	33	0.47	0.089	19	17.6	0.36	474
RL2 1600	0.3	33	0.27	0.081	33	14.1	0.44	212
RL2 1650	0.3	34	0.41	0.061	19	18.5	0.3	303

ELEMENT Fe	As	U	Au	Th	Sr	Cd	Sb	
RL1 1200	6.2	2052.9	1.8	49.5	7.3	93	0.7	4.3
RL1 1250	5.5	3252.4	1.5	35.5	5.1	66	0.4	4.6
RL1 1300	5.47	1133.7	1.7	31.3	4.3	110	0.5	2.4
RL1 1400	3.89	461.1	1.9	5.4	4.8	115	0.7	2.1
RL1 1450	3.33	190.5	1.6	5.5	3.8	101	1.4	4.7
RL1 1500	3.54	76.6	2.2	6.5	5	111	3.7	2.6
RL1 1550	3.13	81.4	1.1	12.7	5.1	38	0.5	1.7
RL1 1600	3.42	88.7	1.3	6.8	5.6	65	1.7	2.1
RL1 1650	3.47	91.4	1.3	12.9	4.3	65	2.6	2.5
STANDAR	3	17.8	6.4	42.4	2.9	47	5.6	3.6
G-1	2.14	<.5	1.8	1	4.2	96	<.1	<.1
RL1 1700	3.69	99.4	1.6	17.8	5.3	103	2.2	5.7
RL1 1750	3.51	144.5	1.5	7	5.9	85	1.5	4.4
RL1 1800	3.77	136	1	18.2	4.1	72	1.7	10.6
RL1 1850	3.41	134.3	1	5	4.3	79	1.4	8.3
RL1 1900	3.53	284.9	1.2	7.3	4.4	97	1.5	9.6
RL1 1950	3.59	250.8	1.5	6	5.9	97	1.8	7
RL2 0	3.13	21	0.9	<.5	2.2	122	0.4	0.9
RL2 50	3.07	19.5	1.2	2.6	2.4	133	0.2	0.8
RL2 100	3.73	21.7	1.1	1.2	11.4	40	0.1	0.3
RL2 200	3.33	6.2	1	1.2	10.1	50	0.1	0.4
RL2 250	1.99	5.4	2.4	2.8	3.9	104	0.5	0.6
RL2 300	3.53	10.4	1	1.6	6.9	89	0.3	0.6
RL2 350	3.22	7.6	0.9	1	2.6	75	0.4	0.4
RL2 400	3.15	4	1.1	1	3.2	112	0.2	0.4
RL2 450	2.83	9.1	0.7	2.6	6	51	0.2	0.7
RL2 500	3.13	6.8	1	1.6	4.8	72	0.3	0.6
RE RL2 50	3.02	5.9	1	3.1	4.5	66	0.3	0.5
RL2 550	3.25	7.7	0.8	2.3	8.8	59	0.2	0.6
RL2 650	1.54	3.8	0.5	1.5	6.7	61	0.2	0.2
RL2 700	2.94	3.5	1.4	0.6	3.7	135	0.4	0.3
RL2 725	2.96	1.4	0.6	<.5	7	63	0.1	0.1
RL2 750	3.12	8	1.1	3.3	7.3	56	0.7	1.1
RL2 800	2.91	3.2	1.7	3.9	3.7	90	0.7	0.4
RL2 850	3.24	15.8	1.4	7.4	4.8	52	0.8	2.2
RL2 900	2.68	11.5	4	7.7	3.1	59	2.4	1.6
RL2 950	2.77	11.3	2.2	5.2	5.9	15	0.2	1
RL2 1000	2.92	11.5	0.9	4.5	3.6	25	0.4	1.5
RL2 1050	2.83	12.5	1.7	3	5.4	18	0.2	1.2
RL2 1100	3.01	11.6	1.3	4.4	4.7	28	1	1.5
RL2 1150	3.44	14.1	1.2	5.4	3.5	21	0.5	1.4
RL2 1200	2.51	10.4	0.9	3.4	1.3	25	0.5	1.3
RL2 1250	2.19	9	1	2.3	0.5	22	0.6	0.8
RL2 1350	3.05	11.3	2.2	2.8	3.3	66	0.5	1.9
STANDAR	3.01	18.5	6.2	44	3.1	50	5.6	3.9
G-1	1.94	<.5	1.7	0.6	4.3	80	<.1	<.1
RL2 1400	2.32	9.1	1.3	4.5	2.9	54	0.6	0.7
RL2 1450	2.3	10.3	1.9	2.2	4.3	52	0.5	0.9
RL2 1550	1.72	7	2.8	3.4	1.9	40	0.7	0.7
RL2 1600	2.81	12.6	2.1	1.1	4.8	24	1.2	3.4
RL2 1650	2.03	7.6	1.8	2.2	3.3	34	0.6	1.1

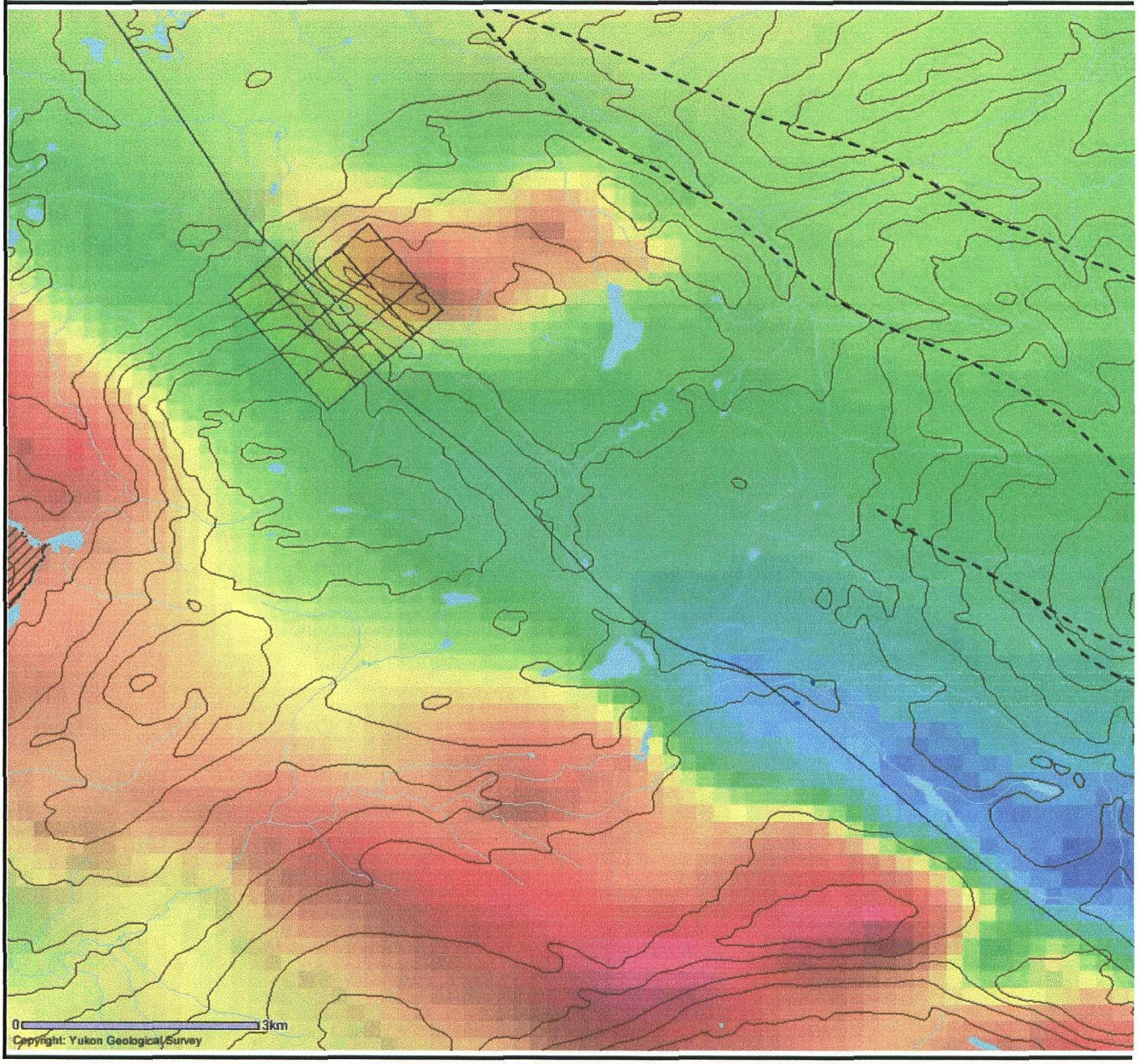
ELEMENT Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	
RL1 1200	9.5	483.6	41.5	75	1.5	52.7	25.1	558
RL1 1250	5.9	388.9	28.1	61	1.1	52.7	25.2	484
RL1 1300	6	577.7	17	54	1.1	64.5	33.1	511
RL1 1400	6.4	109.6	18.8	96	0.5	51.2	17	309
RL1 1450	4.6	171.8	17.3	103	0.8	57	18.4	582
RL1 1500	4.3	111.1	16.9	211	1	58.6	14.1	372
RL1 1550	2.6	102.9	24.4	107	0.4	35.6	12.1	400
RL1 1600	2.8	76	28.7	165	0.6	45.6	12.6	369
RL1 1650	3.4	154.6	28.2	196	0.6	53.6	15.1	416
STANDAR	12.5	143.2	25.3	138	0.3	23.7	11.7	772
G-1	1.4	3.3	2.3	47	<.1	4.6	4.6	627
RL1 1700	4.9	88.5	23	179	1.1	56.9	11.9	307
RL1 1750	5	94.2	24.5	153	0.7	48.5	14.8	455
RL1 1800	5.4	132.6	29.8	196	1	55.5	16.5	469
RL1 1850	4.9	72.9	26.2	174	0.6	54.1	13.8	429
RL1 1900	5.4	88.2	34.8	192	1	55	13.7	371
RL1 1950	8.4	61.7	31.7	175	0.6	59.7	14.8	365
RL2 0	1.3	15.5	14.6	82	0.3	22.7	9.1	605
RL2 50	1.4	26.9	16.8	91	0.2	31.1	12.6	309
RL2 100	0.7	38.9	23.1	101	0.1	36.4	13.9	258
RL2 200	0.7	29.8	22.1	88	0.1	32	13.6	406
RL2 250	0.4	24.6	14.1	113	0.2	19.9	7.2	390
RL2 300	1.2	34.8	25.3	100	0.2	33.5	15.3	443
RL2 350	0.8	29.1	21.6	85	0.2	24.4	12.3	570
RL2 400	0.6	29	20.5	99	0.1	22.9	10.8	428
RL2 450	1.1	25.6	15.3	78	0.2	27.2	15.2	468
RL2 500	0.7	33.8	22.3	90	0.2	30.5	16.6	583
RE RL2 50	0.8	34.3	21.3	89	0.1	28.5	17.2	566
RL2 550	1	30.8	19.7	93	0.1	28.6	13.2	407
RL2 650	0.9	5.6	11.8	19	<.1	9.1	4.4	698
RL2 700	0.8	28.4	19.1	95	0.1	25.7	12.5	728
RL2 725	0.4	39.5	7.9	71	<.1	20.1	11.4	229
RL2 750	2.5	55.9	13.8	170	0.3	38.3	11.2	324
RL2 800	0.9	38.1	20.4	118	0.2	26.4	15.5	683
RL2 850	5.4	79	14	245	0.4	56.4	14.2	393
RL2 900	5.4	101.7	11.7	251	0.8	56.2	9.8	332
RL2 950	2.6	52	12.1	81	0.6	25.8	9.6	342
RL2 1000	3.6	39.5	12.1	133	0.2	30.6	9.5	357
RL2 1050	3	28.2	13	98	0.3	25	11.6	369
RL2 1100	3.3	56	11.1	153	0.4	43.7	12.9	515
RL2 1150	3.6	36.6	14.1	136	0.3	31	12	515
RL2 1200	3.9	30.7	11.9	103	0.2	24.9	8.9	434
RL2 1250	2.7	30.2	11.9	90	0.3	19.5	5.8	380
RL2 1350	7.1	49.4	15.1	176	0.6	31.3	17.7	796
STANDAR	13.5	144.6	24.8	142	0.3	24.1	11.9	807
G-1	1.3	2.8	2.4	44	<.1	4.6	4.1	604
RL2 1400	3.1	22.9	16.1	98	0.3	21.7	16.4	1467
RL2 1450	2.5	24.5	15.3	104	0.4	18.6	8.9	368
RL2 1550	2.7	43.7	12.5	89	0.6	20.9	8.2	551
RL2 1600	12.3	49.2	13.7	205	0.6	30.3	10.4	500
RL2 1650	3.7	33.9	16.6	98	0.4	17.8	6.6	394

ELEMENT	Tl	S	Ga	Se	
ML11 900	0.1	<.05		6	<.5
ML11 950	0.1	<.05		7	<.5
ML11 100C	0.1	<.05		7	<.5
ML11 105C	0.1	<.05		4	0.5
ML12 0	0.1	<.05		7	<.5
ML12 50	0.1	<.05		6	<.5
ML12 100	0.1	<.05		6	<.5
ML12 150	0.1	<.05		5	<.5
ML12 200	0.1	<.05		5	0.6
ML12 250	0.1	<.05		5	<.5
ML12 300	0.1	<.05		5	<.5
ML12 350	0.1	<.05		6	0.7
RE ML12 3	0.1	<.05		6	0.6
ML12 400	0.1	<.05		8	<.5
ML12 450	0.1	<.05		7	0.6
ML12 500	<.1	<.05		5	<.5
ML12 550	0.1		0.07	6	0.5
ML12 600	0.1		0.07	5	<.5
ML12 650	0.1	<.05		5	<.5
ML12 700	0.1	<.05		5	<.5
ML12 750	<.1	<.05		5	<.5
ML12 800	<.1		0.09	6	0.8
ML12 850	0.1	<.05		5	0.8
ML12 900	0.1	<.05		5	0.5
ML12 950	0.1	<.05		5	0.5
STANDAR	1.1	<.05		7	4.8
G-1	0.3	<.05		4	<.5
RL1 0	0.2		0.09	1	1.7
RL1 050	0.2	<.05		1	1
RL1 100	0.4		0.17 <1		2.8
RL1 150	0.1		0.11	1	2.8
RL1 200	0.2	<.05		1	1.7
RL1 250	0.2	<.05		1	1.6
RL1 300	0.1	<.05		1	1.9
RL1 350	0.2		0.06	1	2
RL1 400	0.3	<.05		1	4.1
RL1 450	0.3	<.05		1	5.8
RL1 500	0.4	<.05		1	5.3
RL1 550	0.3	<.05		1	6.2
RL1 600	0.1	<.05		3	2.2
RL1 650	0.1		0.1	1	3.6
RE RL1 65	0.1		0.11	1	3.9
RL1 700	0.2	<.05		1	3.9
RL1 800	0.3	<.05		1	6.8
RL1 850	0.2		0.1	1	8.6
RL1 900	0.2		0.24	1	11.5
RL1 950	0.2		0.2	1	7.2
RL1 1000	0.2		0.14	1	3.2
RL1 1050	0.2		1.53	1	5.3
RL1 1100	0.2		0.23	1	4.3
RL1 1150	0.2		0.09	3	3.4

APPENDIX C

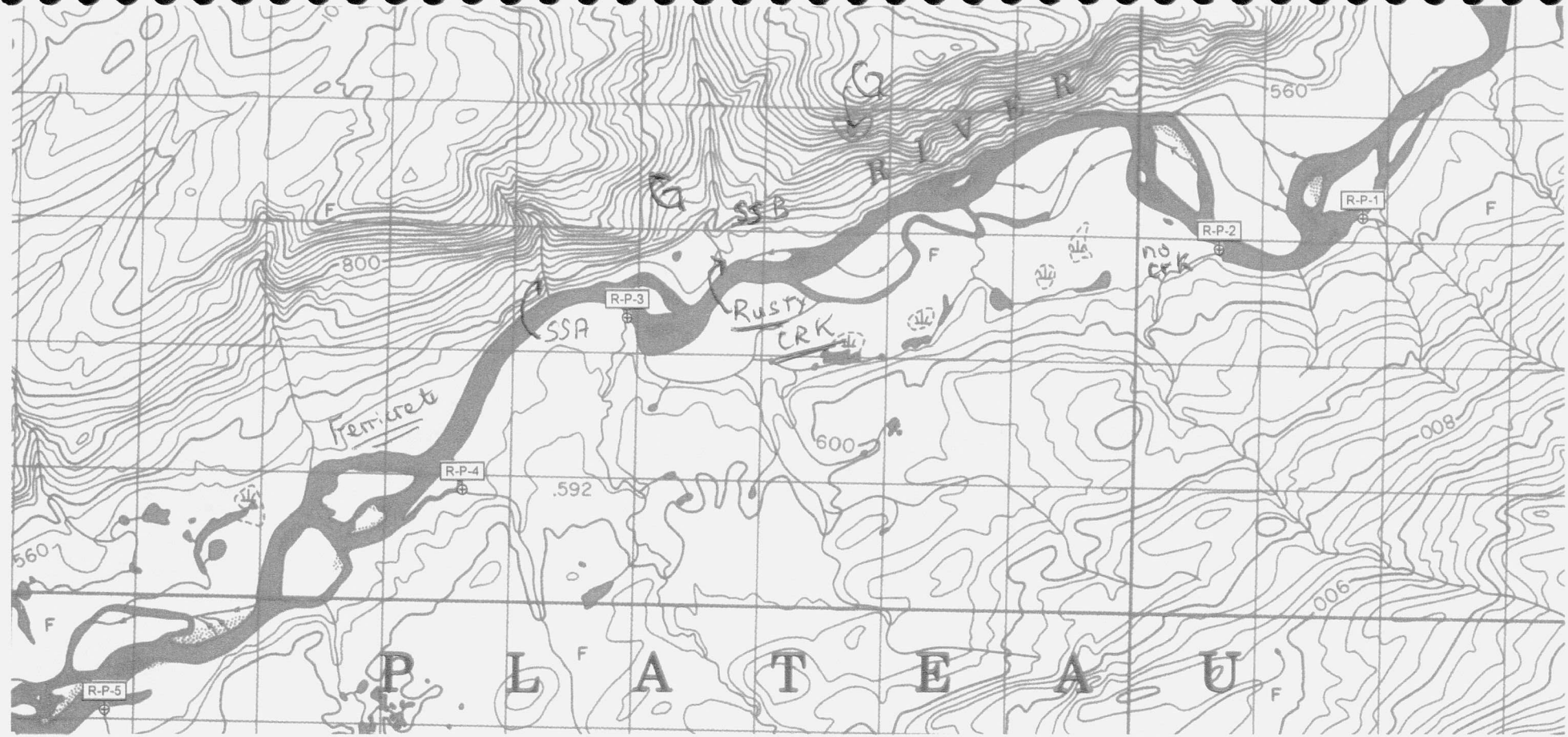
"END OF THE" CLAIMS MAP

Rainbow Claims/ Mag



APPENDIX D

"END OF THE" CLAIMS SAMPLE LOCATION MAP

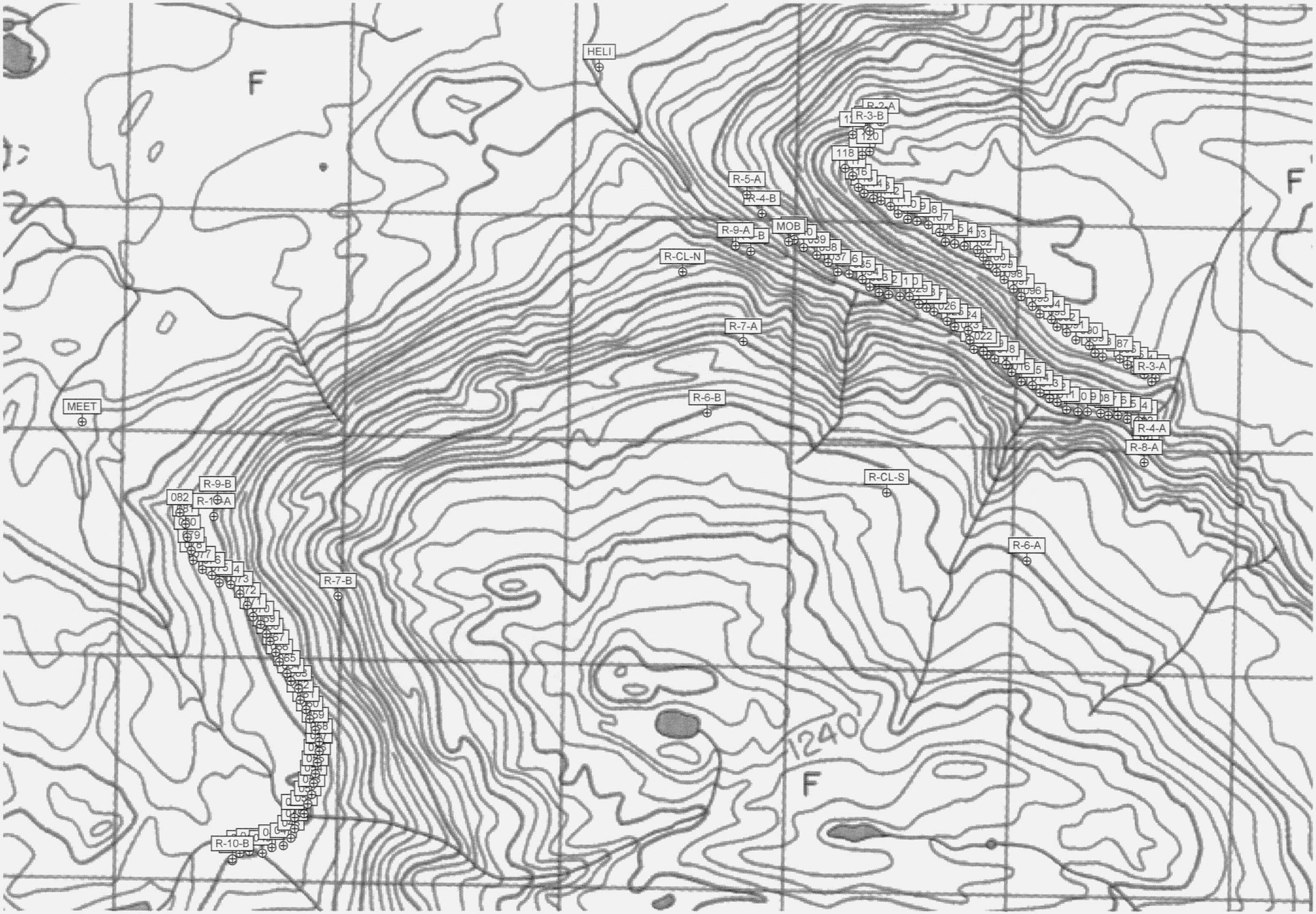


Rainbow Creek Au

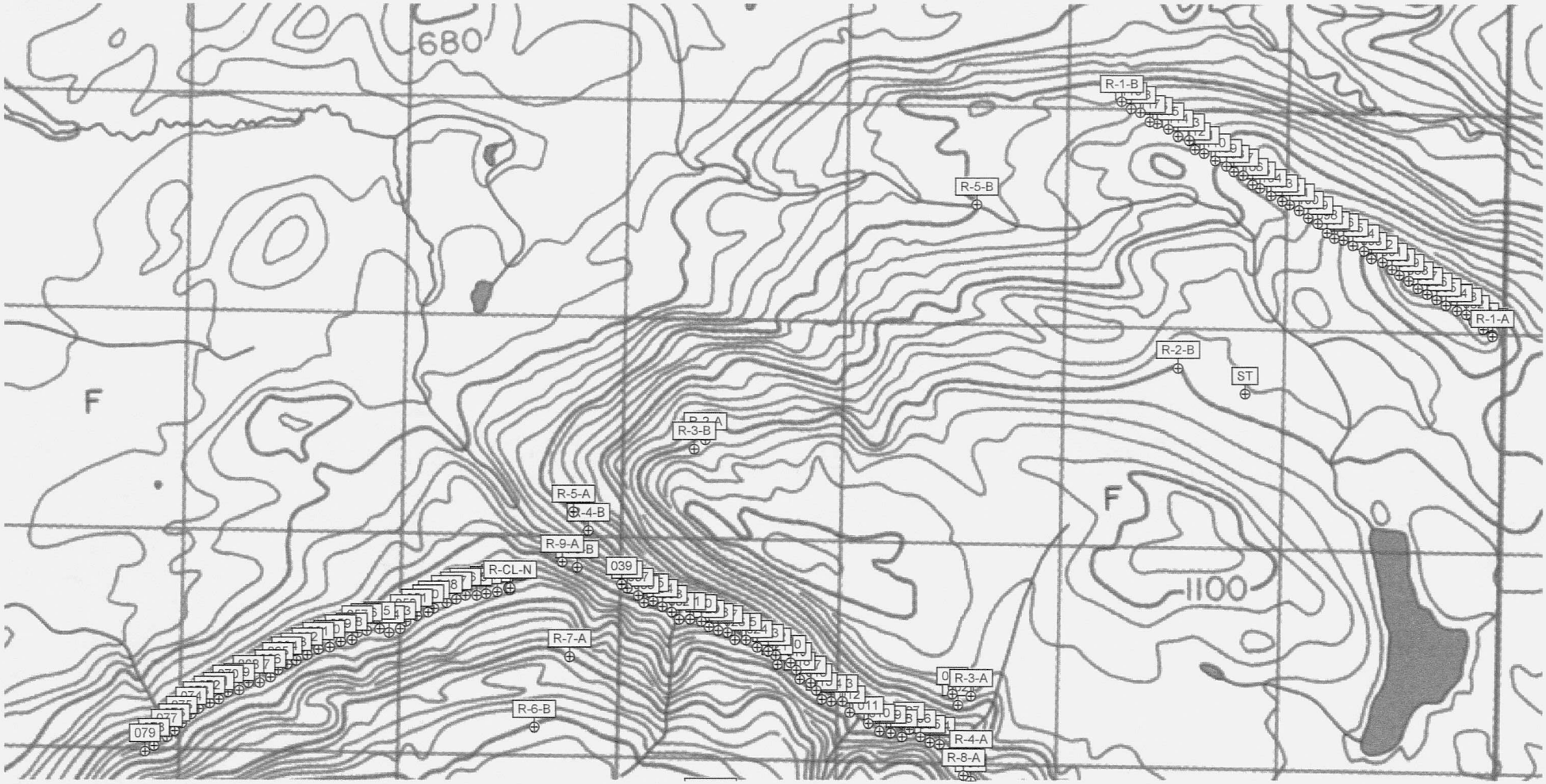
Hope Creek Au

Congdon Creek Au

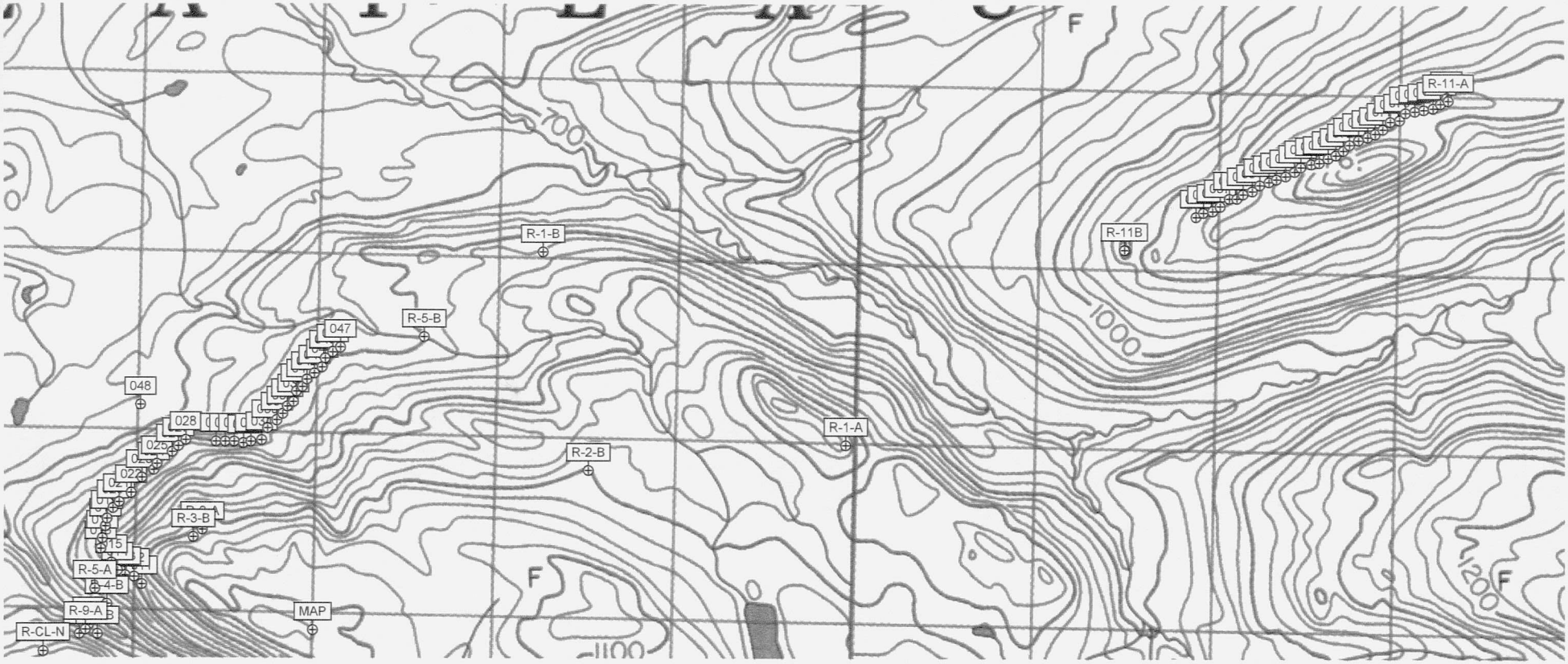
Gossans Above R-P-3 (north side of River)
& " "R" in 'River'


HELI
R-3-B
R-5-A
R-4-B
R-9-A
MOB
R-CL-N
R-7-A
R-3-A
R-6-B
MEET
R-4-A
R-8-A
R-CL-S
R-9-B
R-6-A
R-7-B
1240
R-10-B

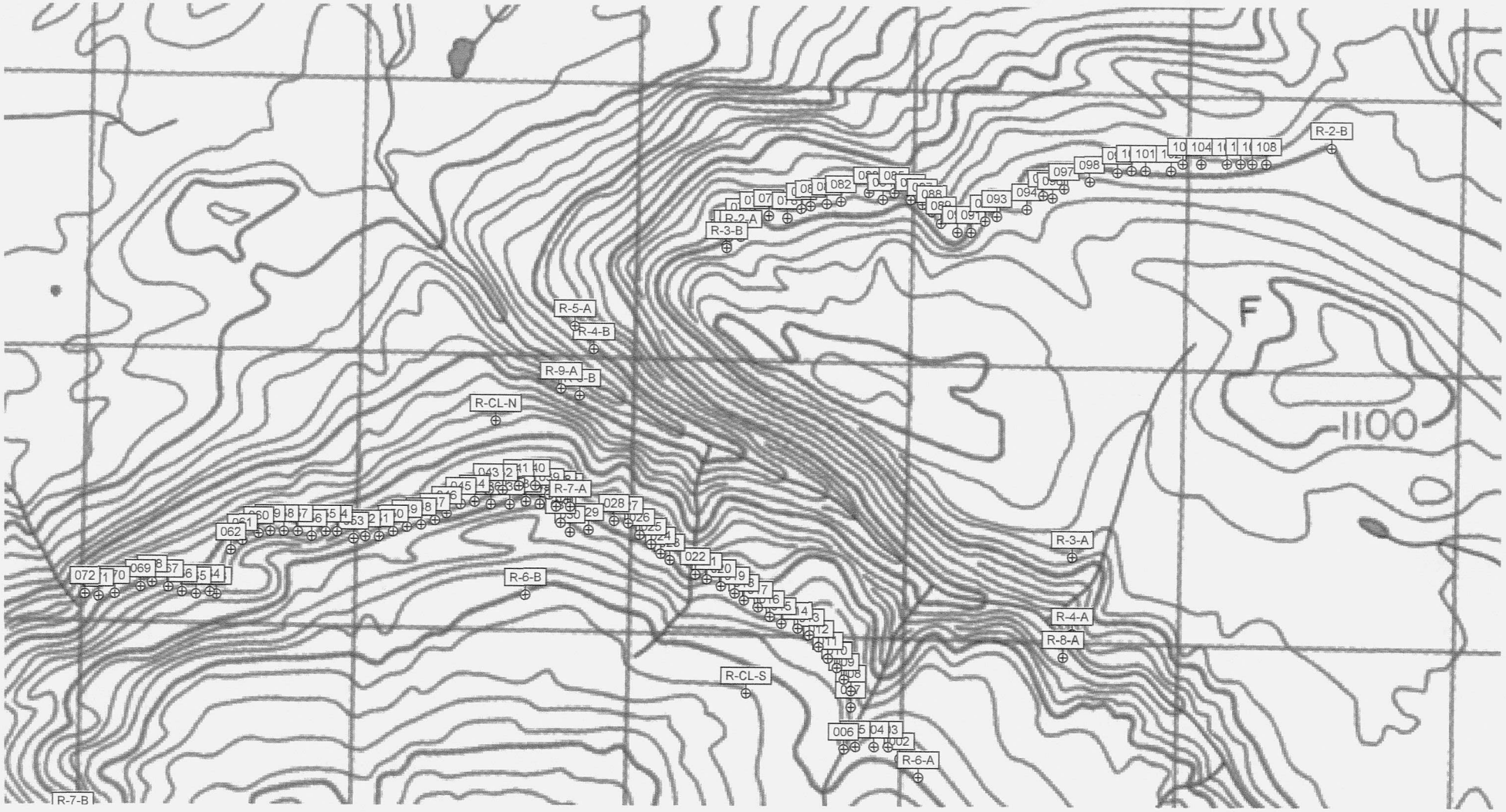
Lines 3, 4 & 10


680
R-1-B
R-5-B
R-1-A
R-2-B
ST
F
R-3-B
R-5-A
R-4-B
R-9-A
B
R-CL-N
039
F
1100
R-7-A
R-3-A
R-6-B
079
R-4-A
R-8-A

Lines 1, 4 & 9


R-11-A
R-11B
R-1-B
R-5-B
047
048
028
025
R-3-B
R-1-A
R-2-B
R-5-A
R-4-B
R-9-A
R-CL-N
MAP
700
1000
1200
F

Lines 5 & 11



Lines 2, 6 & 7

poor work

APPENDIX E

STATEMENT OF COSTS

STATEMENT OF COSTS

Dates of Field Work: August 16–22 (inclusive), 2004 (7 days)

Crew: Ron Berdahl, Andrew Berdahl, Scott Berdahl, Stefan Brynjolfsson

Wages:

Prep time (includes hiring, administration, program set up, etc. – 4 man days @ $250/day)		$ 1,000.00
Field Days:	5 field days @ $250/man x 4	5,000.00
Travel days:	4 man days @ $125/man/day	1,000.00
Analysis: ACME Labs 1DX pkg.	330 soils, 12 rocks @ $18 w/shipping	6,156.00
Helicopter: Trans North		13,117.72
Vehicles (2):	350 km/leg x 4 legs x 2 vehicles x $0.48/km (gov't. rate)	1,344.00
Per Diem: Room/Board	7 days x 4 men @ $52/day	1,456.00
Rental of 4 radios, sat phone, 4 GPSs, consumables, flags, sample bags, notebooks, Workers' Compensation, batteries, claim posts, etc.		1,200.00
Report Preparation		2,500.00
TOTAL:		**$ 32,773.72**

APPENDIX F

STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

I, Ron Berdahl, declare I am an independent prospector who has worked the "End of The" claims during the 2004 field season.

I have worked several years in the Selwyn Basin and taken several courses related to prospecting and, in addition, make the bulk of my living from prospecting.

The data contained herein is true and correct to the best of my knowledge.

Ron S. Berdahl

Date

APPENDIX G

PROJECT PERSONNEL

PROJECT PERSONNEL

Project personnel during the 2004 season consisted of:

Ron Berdahl	Supervision / Sampling
Andrew Berdahl	Sampling
Scott Berdahl	Sampling
Stefan Brynjolfsson	Sampling