1998 ASSESSMENT REPORT
ON THE ANTIMONY MOUNTAIN PROPERTY, ANTIMONY MOUNTAIN, YUKON TERRITORY

093 S 16

DAWSON MINING DISTRICT
YUKON TERRITORY
NTS 116B/8

AM 1-40, 47-56, 57F, 59-60, 62-80, 82-120
PM 121-122, 123F, 124F, 132-135, 143-146, 149-194
BUZ 1-6, HUD 1-12, TIM'S 1-4
OM 1-23, 24F, 25, 26F, 27-29, 30F, 31-39
OM40F, 41F, 42-49, 50F, 51, 52F, 53-54, 55F-60F
OM 62, 63

Latitude: 64° 18'N
Longitude: 138° 15'W

Period of Work: June 4 – August 21, 1998

OWNER AND OPERATOR:
Kennecott Canada Exploration Inc.
354-200 Granville Street
Vancouver, BC
V6C 1S4

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DAWSON, Y.T.

Prepared by: F. Andersen & R. Hulstein

Date: Dec. 15, 1998

This report has been examined by
the Geological Evaluation Unit
under Section 53 (4) Yukon Quartz
Mining Act and is allowed as
representation work in the amount
of $ 63,862.63.

for Regional Manager, Exploration and
Geological Services for Commissioner,
of Yukon Territory.

SUMMARY

Kennecott Canada Exploration Inc.'s 100% owned Antimony Mountain Property, consisting of 255 contiguous claims (approximately 4950 hectares), is located 65km northwest of Dawson City, Yukon Territory. The claims are accessible by helicopter based in Dawson City.

Exploration on the property has been intermittent since 1916 when stibnite veins were discovered near the peak of Antimony Mountain. In 1966 the AJ Vein was discovered in Cody Creek and subsequent shallow diamond drilling and EM geophysical surveys traced the gold-bearing arsenopyrite vein for over 700 metres. Samples of vein material routinely assay over 15gpt gold but values are erratic along strike. Other exploration has focused on the anomalous uranium hosted by the granitoid intrusive and copper mineralization within the hornfels in the North Ridge area that was diamond drill tested (1000m in 4 holes) by Anaconda in 1980.

The property is centered on the ~90Ma Antimony Mountain syenite to quartz-monzonite stock intruding Late Proterozoic quartzose metasedimentary rocks. The alkalic stock belongs to the 93-90Ma Tombstone Suite of alkalic to subalkalic intrusions stretching from east Alaska (Fairbanks District) to the NWT border (Macmillan Pass Region). This belt, approximately 550km long and 100km wide, is genetically and/or spatially related to numerous gold deposits including Pogo and Fort Knox in Alaska, and Brewery Creek, and Dublin Gulch in Yukon.

Significant mineralization at Antimony Mountain consists of fault controlled quartz+/-arsenopyrite+/-tourmaline veins and sulfide disseminations in granitoid and metasedimentary rocks. Anomalous gold values correlate with bismuth and arsenic values while antimony correlates better with lead and silver. Alteration is generally weak and dominated by silicification, quartz+/-carbonate veins and stockwork adjacent to larger veins and fault zones.

The 1998 work program included stream sediment, soil and rock sampling and geological mapping. Four zones of interest were identified and examined in some detail. Of the four, the North Ridge area with the Rainbow Vein, TK Showing and JC Vein, has the best potential to host economic mineralization. The area returned a very strong coincident gold-arsenic-bismuth-copper soil and rock geochemistry anomaly over a distance of 1.2km. The recessive siltstone hosting the TK Showing lies on a thrust fault dipping towards the Antimony Mountain Stock. The TK Showing lies on the same east-west trending linear as the TT and Toby auriferous sulfide+/-quartz vein showings. This linear parallels the AJ Zone, suggesting a major structural control for mineralizing fluids. The presence of auriferous pyrrhotite bearing dykes in the North Ridge area indicates a spatial and genetic link to the nearby intrusive rocks.

Of all the significant structurally controlled gold targets on the property, the North Ridge area requires more work. A program of detailed geological mapping, concurrent geochemical sampling and possibly geophysics is recommended.

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1.0 INTRODUCTION

This report is a compilation of previous and current (1998) fieldwork on the 4950 hectare Antimony Mountain Property owned 100% by Kennecott Canada Exploration Inc. A total of 62 person-days were spent on the property from June 4 to August 21, 1998.

Work concentrated on expanding identified anomalies (North Ridge area, Toby Vein, AJ Zone and High Lead Creek valley) and sampling stream drainages outside the hornfels aurole north, east and west of the Antimony Mountain Stock. Stream, soil and rock samples were analysed at Chemex Laboratories in Vancouver for gold by 30-gram fire assay and other elements by ICP.

The exploration target is a bulk tonnage intrusive hosted or intrusive related sediment hosted gold target, such as the Pogo deposit, near Delta Junction, Alaska.

1.1 Location, Access and Topography

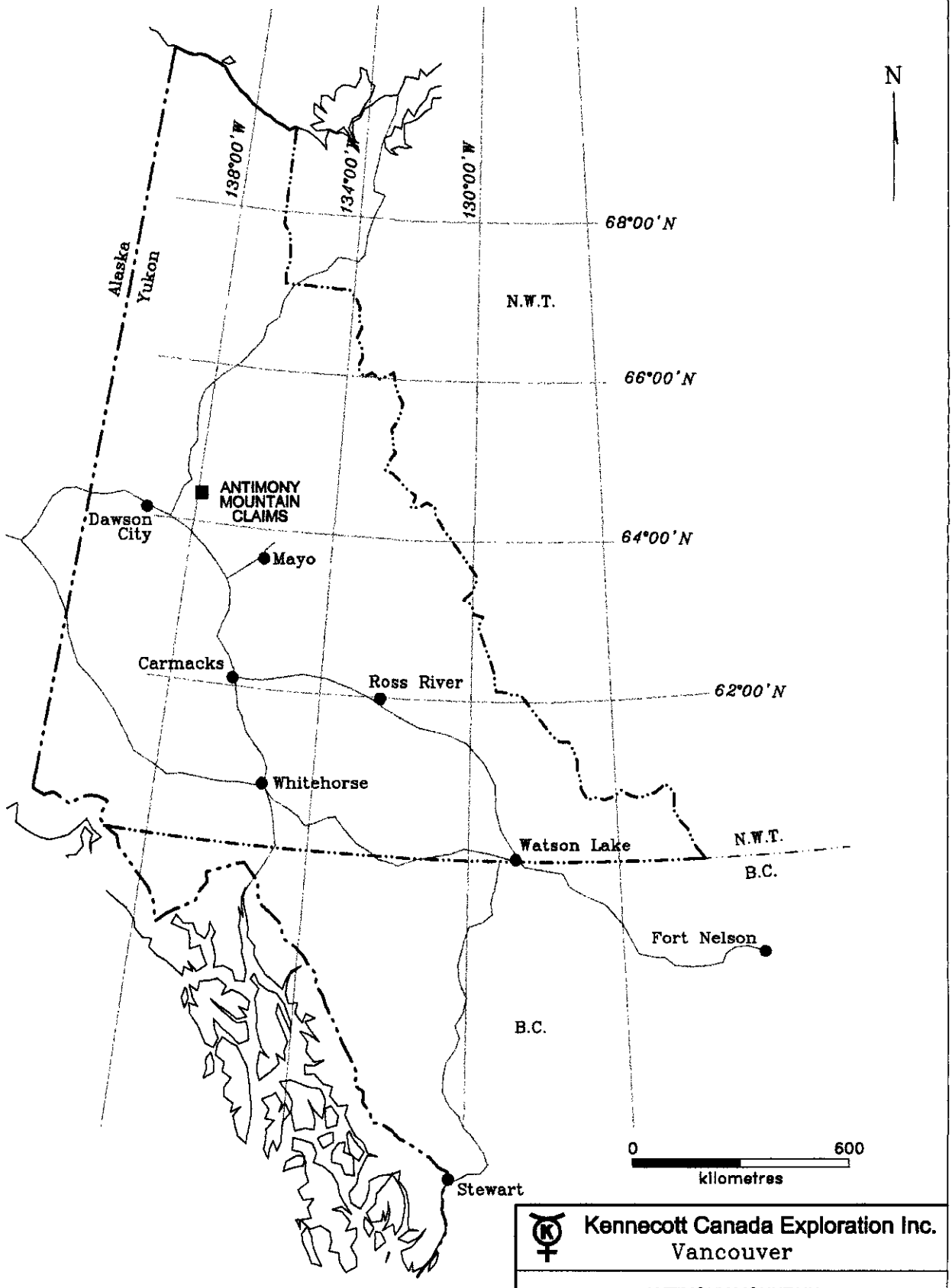
The Antimony Mountain Property is located 65km northwest of Dawson City, Yukon Territory (Figure 1). The claims are centred at 64°18'N and 138°15'W on NTS mapsheet 116B/8.

Access from Dawson to the property is a 25-minute trip by helicopter. Some staging was carried out from Benson Creek, 15 km west of the property boundary.

The property is in glaciated, mountainous, alpine terrain of interconnected ridges with steep scree covered slopes. Intrusive rocks form imposing jagged peaks while metasediments form cliff-like outcroppings on north and east-facing slopes, and steep scree covered south and west-facing slopes (often dip slopes).

Elevation ranges from 1200 metres at valley bottom to 2036 metres at the peak of Antimony Mountain. Diamicton and outwash generally cover the valleys while in-situ weathered rock, poorly developed soils, and felsenmeer dominate the ridges. Rock outcrops are common along the ridges and as cliffs along the upper slopes of valleys, becoming rarer at lower elevations, especially in the larger valleys.

The climate is characterised by low precipitation and a wide temperature range. Winters are cold , and temperatures of -30°C to -40°C are common. Summers are moderately cool to hot, with daily highs of 10°C to 25°C. The property is generally snow free from early-June to the end of August.



Kennecott Canada Exploration Inc.
Vancouver

ANTIMONY MOUNTAIN
LOCATION
MAP
YUKON, CANADA

NTS:	Projection:	Drawn by: MJD
Date: 31/12/98	Author: RH	Figure 1
File: AMLOC	Scale:	

1.2 Property Information

The Antimony Mountain Property is located in the Dawson Mining District of the Yukon Territory. The property consists of 255 unsurveyed, contiguous mineral claims, staked under the Yukon Quartz Mining Act (Figure 2). The claims cover approximately 4950 hectares (12 375 acres) and are shown on Yukon Quartz map sheet 116B/8.

Claim data is listed below in Table 1. The AM 1-120 claims were staked in 1994. The Hud 1-6 and Buz 1-12 were acquired through option in 1994. The PM 121-194 claims were added in 1995 and the TIM'S 1-4 claims purchased in 1996. The OM 1-63 claims were staked in early August 1998 to cover anomalous drainages north of the pre-August 1998 property limits.

Table 1. List of Claims

Claim Name	Grant No.	Record Date	Expiry Date
AM 1-40	YB52734-773	October 3,1994	April 4, 1999
AM 47-57	YB52780-790	October 3,1994	April 4, 1999
AM 59-60	YB52791-792	October 3,1994	April 4, 1999
AM 61	YB52893	October 3,1994	April 4, 1999
AM 62-80	YB52794-812	October 3,1994	April 4, 1999
AM 81	YB52894	October 3,1994	April 4, 1999
AM 82 - 120	YB52814-852	October 3, 1994	April 4, 1999
BUZ 1-6	YB04013-018	August 9, 1987	April 4, 1999
HUD 1-12	YB04001-012	August 9, 1987	April 4, 1999
PM 121-124	YB67734-737	December 27, 1995	Dec. 12, 1998
PM132-135	YB67738-741	December 27, 1995	Dec. 12, 1998
PM 143-146	YB67742-745	December 27, 1995	Dec. 12, 1998
PM 149-194	YB67746-67791	December 27, 1995	Dec. 12, 1998
TIM'S 1-4	YB53058-061	January 9, 1996	Jan. 9, 1999
OM 1-60	YC07710-769	August 3, 1998	August 3, 1998
OM 62-63	YC07770-771	August 3, 1998	August 3, 1998

*prior to filing assessment work described herein.

The claims are owned 100% by Kennecott Canada Inc. and are registered as such with the Dawson Mining Recorder.

628,000m E
630,000m E
632,000m E
634,000m E
636,000m E
638,000m E
64° 20'
138° 20'
7 136,000m N
7 134,000m N
7 132,000m N
7 130,000m N
7 128,000m N

AM2 claim name
YB52735 grant number

contour interval 40 metres

0 2000
metres

Kennecott Canada Exploration Inc.
Vancouver

ANTIMONY MOUNTAIN
CLAIM LOCATION
MAP
YUKON, CANADA

NTS:	Projection: UTM	Drawn by: MJD, GDS
Date: 06/01/99	Author: TH, RH	Figure 2
File: AMCLAIM	Scale: 1:40,000	

1.3 Previous Work

Mr. W. Walker found stibnite veins in an aplite dyke cutting syenite on the west ridge of Antimony Mountain in 1916 (Figure 3). Walker drove a 5.5 metre adit and hand trenched the zone in 1918. There have been repeated investigations of the veins over the years. Mr. Frank Burkhard, of Whitehorse, Yukon Territory, currently holds the WALKER 1-4 claims.

In 1966 a gold-bearing arsenopyrite vein within quartzite discovered in Cody Creek (AJ Vein), located 4 kilometres east of the Walker Zone, was staked by Conwest Exploration. The company conducted surface trenching, mapping and drilled four short holes (201 metres). They discovered the North and South Zones which returned gold values in drilling up to 0.83 opt gold over 9 feet (Holcapek, 1975). Acheron Mines Ltd. (name change to Pan Acheron Resources in 1976) optioned and expanded the AJ claim package in 1975 and did mapping, resampling of trenches, soil sampling and three drill holes (166 metres). The veins are hosted in a steep south dipping shear zone trending 290° that is up to 15 metres wide. Work commitments were not filled and the ground was returned to Conwest. In 1980, Riocanex Ltd. carried out a Max-Min geophysical program and outlined conductive zones over the veins and northwest of the veins. Conwest allowed the claims outside the showing to lapse and restaked them as the JA in 1982. Conwest sold the AJ-JA claims to Cody Hawk Resources in 1982 who conducted EM and magnetic surveys, mapping and sampling in 1983 and 1984. Cody Hawk let the AJ claims lapse and subsequently restaked them in 1986 as the CON claims. More trenching was carried out in 1988. Total Energold optioned the property in 1989 and conducted geophysical surveys, geologic mapping, trenching and 6 drill holes (756 metres). It was concluded the veins were discontinuous high-grade shoots and dropped the option in 1991. Cody Hawk let all claims lapse in 1996. Bernie Kreft, a local prospector, staked the showing as the Tim's 1-4 and sold them to Kennecott in the fall of 1996.

Standard Oil Company blanketed the Antimony Mountain stock (headwaters of Lost Creek, Skarn Gulch and Jan Creek) with the C claims in 1975 based on an airborne radiometric survey and reconnaissance stream sampling. The company explored the claims in 1976 by ground radiometric surveys looking for sandstone hosted uranium mineralization. It was concluded anomalies result from high background uranium levels in certain phases of intrusion. Total Erickson Resources Ltd. (name change to Total Energold Corp. in 1989) restaked and held the C claims as part of the larger TOOTH package from 1988 to 1994. The claims were later staked as the AM and PM claims in 1994 and 1995 by Kennecott Canada Inc.

The Rainbow and JC veins located near the head of Antimony Creek were first staked in 1966. In 1968 Cream Silver Mines restaked the claims and did mapping and hand trenching the following year. The ground was open in 1979 and Anaconda Canada Exploration Ltd. claimed the ground as part of the THOR 1-192 claim block. Anaconda explored for replacement-style copper mineralization and conducted geochemical, geological and geophysical surveys in 1979 and 1980.

628,000m E
630,000m E
632,000m E
634,000m E
636,000m E
638,000m E
64° 20'
138° 20'
7 136,000m N
7 134,000m N
7 132,000m N
7 130,000m N
7 128,000m N
TK Showing
JC Vein
TT Vein
Rainbow Vein
Toby Vein
Tom Zone
AJ Vein
Mount Walker
Antimony Mountain
Walker Vein
North Ridge
Sandow Ridge
Mineral Ridge
KENNECOTT CLAIMS
intrusion
contour interval 40 metres
0
2000
metres
cat trail (1971)

Kennecott Canada Exploration Inc.
Vancouver

ANTIMONY MOUNTAIN
SUMMARY
MAP
YUKON, CANADA

NTS:	Projection: UTM	Drawn by: MJD, GDS
Date: 06/01/99	Author: TH, RH	Figure 3
File: AMSUM	Scale: 1:40,000	

Anaconda drilled four holes (1000 metres) on the Rainbow, TK and JC occurrences in the North Ridge area. Drilling tested the veins to a maximum vertical depth of 237 metres. It was concluded the showings are narrow east-west fault controlled polymetallic veins with high-grade shoots. The claims lapsed and Kim Hudson staked the showings in 1987 as the BUZ and HUD claims. Kim Hudson prospected the claims in 1988 and optioned them to Total Energold in 1989. Energold dropped the option in 1991. Kennecott Canada Inc. optioned the Buz and Hud claims in 1994 and became fully vested in 1995.

Kennecott Canada Inc. investigated the main intrusive in 1994 looking for a bulk-tonnage gold deposit. Results led to staking of the AM claims (Energold TOOTH package) and optioning the BUZ/HUD claims (Rainbow Vein and JC Vein). In 1995 the known showings and main intrusive were investigated with contour soil sampling, geological mapping and regional prospecting. A total of 48 person days were spent on the property in 1995. The PM claims were staked and TIM'S claims optioned in the fall following a review of the 1995 results. In 1996 a crew of four tagged claims, mapped and sampled for six days.

Of all the companies, Total Energold conducted the most work, but largely ignored the area outside of the intrusive and immediately adjacent hornfels. In 1989, Energold flew 877 line kilometres of geophysics, carried out property wide reconnaissance soil, stream and rock sampling plus local grid and contour soil sampling, mapping at various scales compiled onto a 1:10,000 scale geological map, local ground geophysics and diamond drilling at the AJ Zone. The work resulted in the discoveries in 1989 of the Toby and TT showings.

1.4 1998 Work Program

Access to the property in 1998 was provided by helicopter (Trans North Helicopters) based in Dawson City. Field crews were lodged in Dawson City or at the Klondike River Lodge located at the junction of the Klondike and Dempster highways. R. Hulstein, P.Geo., senior geologist for Kennecott Canada Inc., supervised the work conducted by geologists F. Andersen, A. Cole (geophysicist), A. Doherty, C. Lee, T. Maloof, D. Selby, and assistants J. Bailey, J. Clark, S. Rogan and M. Williams. A total of 62 person days were spent on the property. A total of 676 samples were taken; 34 stream sediment, 13 pan concentrates, 490 soils and 139 rock samples.

Work in 1998 on the Antimony Mountain Property consisted of property wide regional stream sediment fine-fraction sampling, prospecting, soil and rock sampling of ridges and valley slopes. Disseminated and fracture controlled gold in metasedimentary rocks was the target.

Work concentrated on selected areas outside the main intrusion that were underexplored by past operators. Sample location was controlled by hand held Global Positioning System (GPS) receivers and data was downloaded and imported into MapInfo, a Global Information System (GIS) computer program. In August, 62 full and partial claims (OM 1-60, 62, 63) were added on the north side of the property to square off the land position and cover anomalous soil and stream values located off the existing claims.

2.0 GEOLOGY

2.1 Regional Geology

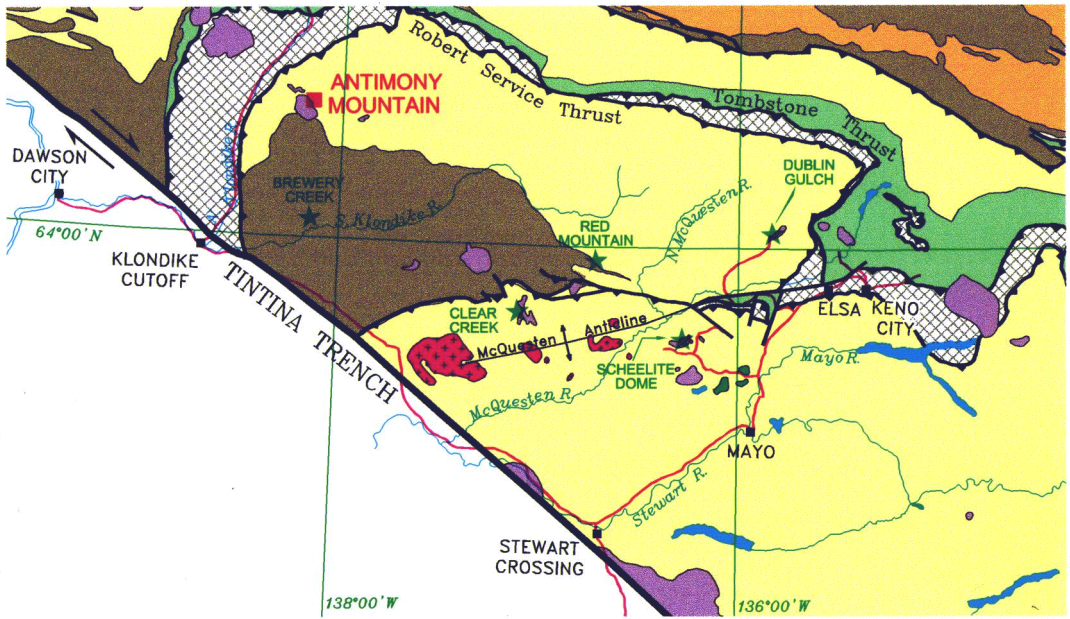
The GSC mapped the region in 1961 (Green) and in 1982 (Roots and Thompson). The area was covered by a GSC supported regional airborne magnetic survey in 1967 and by a regional geochemical survey in 1977.

The property is located on the west edge of the Selwyn Basin north of the Tintina Trench occupied by the Tintina Fault (Figure 4). The fault approximates the location of an ancient suture zone that is believed to have undergone 450 km of transcurrent dextral slip since the end of the Mesozoic. Rocks of the Selwyn Basin are remnant geosynclinal rocks from ancient North America, and range from Proterozoic basinal and platformal clastic and pelitic sediments to Jurassic clastic shelf sediments. Various aged volcanic piles are stratabound within the sediments. The basin was subjected to rifting during the Proterozoic and again in the late Devonian and contemporaneous volcanics were exhaled onto the sea floor and as thick sill sequences.

By late Jurassic, terranes that now comprise the Intermontane Belt of the Cordillera collided with the passive margin causing the tectonic regime to become compressive. Crustal shortening was compensated for by tight folding, followed by failure along hinges resulting in three regionally stacked thrust panels. These panels, named from south to north (also oldest to youngest), are the Robert Service, Tombstone and Dawson thrust sheets.

The Selwyn Basin is intruded by granitoids ranging from Mississippian to Eocene age, the most metal-rich and extensive being the east-west trending middle Cretaceous Tombstone Suite. Compositions in the suite range from granite to syenite and syenodiorite, the more alkaline suites being located to the west. The Antimony Mountain stock is one of the larger alkaline suites. Protracted crustal extension, the latest occurring post-accretion in the Cretaceous, had an important effect on the heat source for melting the protolith and the resulting composition of the plutons (Anderson, 1987).

A wide ranges of metals (i.e. +/- Au,As,Cu,Hg,Sb,W,U) are associated with the 93-90Ma Tombstone Suite. Deposits at Brewery Creek, Dublin Gulch, Clear Creek, Scheelite Dome, and Keno Hill in Yukon, and Fort Knox, Ryan Lode, True North, and Pogo in Alaska are all genetically and spatially related to Tombstone Suite intrusions.



LATE CRETACEOUS
- MCQUESTEN PLUTONIC SUITE (64–67 Ma)
- RHYOLITE (91.7 Ma)
- TOMBSTONE PLUTONIC SUITE (90–95 Ma)

PROTEROZOIC TO PALEOZOIC PERICRATONIC SEDIMENTS
- MISSISSIPPIAN
- DEVONIAN TO MISSISSIPPIAN
- ORDOVICIAN TO DEVONIAN
- LATE PROTEROZOIC TO EARLY PALEOZOIC
- MIDDLE PROTEROZOIC

- GOLD PROSPECTS
- KCI 100% OWNED PROPERTY
- THRUST FAULT
- FAULT
- ROAD

Kennecott Canada Exploration Inc.
Vancouver

ANTIMONY MOUNTAIN
REGIONAL GEOLOGY
YUKON, CANADA

NTS:	Projection:	Drawn by: MJD
Date: 31/12/98	Author:	Figure 4
File: SPG1QRT	Scale: 1:1,250,000	

2.2 Property Geology

2.2.1 Stratigraphy

The oldest rocks on the property, the Hyland Group, are correlative to the Upper Proterozoic Windermere Supergroup and consist of two distinct packages. The older Yusezyu Group reflects deposition of sediment from granitic and high-grade metamorphic rocks to the southeast (Gabrielse and Campbell, 1991) in a high-energy environment. It is a sequence of medium to thick-bedded gritty quartz sandstone, argillite, minor limestone and chert. Argillite content increases up stratigraphy and quartz-pebble conglomerate is found in the thicker sequences of gritty sandstone (Gabrielse and Campbell, 1991). Quartz grains in the grits are well rounded, range in size from 1 to 4mm and can exhibit a pale blue pearlescence. Conformably overlying the Yusezyu Grit is turbiditic green and maroon slate and argillite of the Narchilla Formation (Gabrielse and Campbell, 1991). The lowest stratigraphic member of the Narchilla Formation is not seen on the property suggesting a period of erosion during the late Proterozoic. Total thickness of the Hyland Group on the property is in excess of 1 kilometre.

Calcareous, clastic sediments belonging to the Paleozoic Road River Group are mapped at the southeast edge of the property as well as northwest of the claims. The Road River overlies the Hyland Group within the Selwyn Basin.

Lithologies as shown on the geology maps (Figures 5 and 6, in pocket) is detailed in the 1989 Total Energold assessment report 092792 (Pelletier and Basnett, 1990).

2.2.2 Structure

Various attitudes of bedding over short distances indicate the structural complexity of the region. Bedding is generally east to southeast striking (070-150°) with dips to the north and south. Grading, ripples and load casts found in Narchilla Formation east of the property indicate upright stratigraphy.

The Antimony Mountain Property is located in the hangingwall of the Robert Service Thrust. The Tintina Fault is located thirty kilometres to the south. Numerous faults, often intruded by later intermediate dikes and quartz veins are mapped throughout the property. East-west oriented faults are more common than north-south faults and some may be imbricate structures associated with thrust faulting. Some faults may have also formed during cooling of the main intrusive body.

It should be noted that east-west to northeast-southwest trending structures host the gold-arsenopyrite mineralized veins found on the property. These veins cut the Antimony Mountain Stock, indicating that these faults are not related to the earlier thrust faults. Variable strike and dips reveal asymmetric, isoclinal folding. The general trend of fold-axes is northwest with a westerly closure. Fracture and joint orientations cover every azimuth, often with sub-vertical dips.

2.2.3 Igneous Rocks

The Antimony Mountain Stock is a 7km by 3.5km northwest-elongated composite body of syenite, monzonite to quartz monzonite composition. Several smaller stocks are located to the northwest for about 4km (Coombes, 1996). Intrusive can be K-spar porphyritic, show variable grain size and variable biotite and hornblende content, ranging from 5 to 15%. Margins are finer grained and more dioritic in appearance.

Total Energold mapped all dikes on the property as diorite in 1989 but three types of dikes were recognized in 1998. Fine grained quartz latite dikes, one to three metres in width, have only been found outside the main intrusive and are probably related to the intrusion. On the North Ridge they are mineralized with disseminated pyrite and pyrrhotite. Pale orange feldspar-biotite porphyritic dikes with a very fine gained grayish brown groundmass were noted within the gritty quartzite on the ridge spurs flanking Cody Creek. Thicknesses of these dikes were one to 10 metres, spaced 10-200 metres apart. This dike is likely related to the intrusive but appears different due to alteration. Results are awaited for thin sections from the two above-mentioned dikes plus some samples of the main intrusive. Lamprophyre dikes with a hornblende-biotite rich groundmass, often biotite porphyritic, have been found outside and within the main intrusive. Rarer medium to fine grained, feldspar porphyritic syenitic dikes (related to the altered dikes?) are mapped throughout the property. Aplitic and rare pegmatitic dikes are seen cutting the central stock.

2.2.4 Magnetic Susceptibility

Samples of the various intrusives were collected and the magnetic susceptibility was measured using a Kappameter KT-6 instrument measuring in 10^{-3} SI units. Samples of the monzonite from the northern portion of the stock generally returned values ranging from 0.14 to 0.26, but samples of hornblende-biotite and biotite rich monzonite/diorite from the southern portion yielded numbers in the 6.97 - 12.5 range. The pyrrhotite bearing fine-grained latite dikes found in the Rainbow Vein area returned values from 3.00 to 5.99. The altered porphyritic dikes seen on the east edge of the property gave values of 0.16 to 0.75. A sample from a trachytic syenite dike returned a value of 0.75.

The Energold aeromagnetic survey and ground magnetic susceptibility measurements indicates that the northern portion of the main intrusive is essentially nonmagnetic and of a reduced nature. This coincides with the anomalous geochemistry and the distribution of the known significant mineralization. The southern portion of the intrusive appears as a positive magnetic anomaly on the aeromagnetic survey maps. It is presumed to contain magnetite as the magnetic mineral indicating it is not reduced. In addition to the two main phases of intrusive, magnetic and essentially non-magnetic varieties, the northern non-magnetic portion can be subdivided into a number of compositional phases.

3.0 ALTERATION AND MINERALIZATION

3.1 Property Alteration

The most prominent alteration is hornfelsing adjacent to the intrusion. It can be found up to one-kilometre from the intrusive margin. Hornfels is characterised by fine grained silica replacement and the introduction of fine pyrite and pyrrhotite. The sulfide richer outcrops weather rusty orange-red and quartz replacement makes the sandstone appear cherty. In the North Ridge and Valhalla Creek areas there is evidence that hornfels is more intense and prevalent above mapped thrust faults that dip toward the main intrusion. The thrust faults apparently acted as fluid conduits thereby promoting hornfels in the upper plate or hanging wall of the thrust while the footwall or lower plate escaped the thermal effects of the hot fluids emanating from the intrusion.

Sericite and chlorite alteration of country rock is localized near the Antimony Mountain stock. Phyllic alteration is localized in the selvages of veins and along fracture planes.

Silicification and milky white quartz stockwork was found in the well-sorted quartzites around mineralised and barren vein zones. Carbonate and silica alteration was observed in the sulfide bearing latite dikes. Local carbonate veins, fault and fracture fillings in both the Antimony Mountain Stock and metasediments appear to be related to a late stage event and returned low gold values when sampled.

Calc-silicate assemblages (diopside-epidote-actinolite-sulfide) are found adjacent to the latite dikes. These are the skarns mapped by Energold in 1989. Secondary K-spar and biotite are found at the margins of the main intrusive and in the porphyritic syenite dikes. Sericite noted along foliation planes in some quartzites is likely related to regional metamorphism.

3.2 Mineralization and Veining

The most common style of mineralization on the property is fault controlled base and precious metal rich veins proximal to the intrusive contact (Coombes, 1996). Other veins found are limonite-calcite matrix filled fault breccia and massive calcite with pervasive quartz/carbonate alteration of country rock. Auriferous quartz veins contained the following sulfide(s): arsenopyrite, +/- pyrite, +/-chalcopyrite, +/- stibnite, and +/- galena. Significant mineralization occurs at Cody Creek (AJ Zone), North Ridge (Rainbow Vein, JC Vein and TK Showings), and Jan Creek (Toby Vein and TT Showing). It should be noted that the veins are all located in quartzite within two kilometres of the intrusion, and are commonly spatially associated with intrusive dikes.

Other mineralization on the property is calc-silicate (skarn of Energold), intrusive-hosted uranium and replacement copper mineralization in quartzite.

Small pockets of disseminated to semi-massive sulfide skarn (pyrrhotite-diopside-epidote) are found adjacent to latite intrusive dikes. Mapped skarns on the property were not investigated in 1998, however at an undocumented showing located immediately northwest of the property, the skarn is spatially associated with a latite dike swarm at the contact between Narchilla Formation and calcareous siltstone. The skarn contained 30% massive

pyrrhotite and 1% chalcopyrite. Soil samples from this zone returned 460ppb Au while the pyrrhotite skarn rock returned background gold values.

Standard Oil prospected for intrusive hosted uranium from 1975 to 1977. It was concluded that anomalous stream silt values are due to unusually high background uranium in certain phases of the intrusive (Wober, 1976).

Replacement copper mineralization at Sandow ridge was the focus of Anaconda in 1979-80. The mineralization is not extensive, as it could not be traced within the nearly flat lying strata in this area.

4.0 GEOCHEMISTRY

The 676 samples collected in 1998 consist of 139 rock samples, 490 soil samples, 34 stream sediment samples and 13 can concentrate samples. Sample locations are shown on Figures 7 and 8. Plotted geochemical results for gold, arsenic, bismuth and copper are shown on Figures 9 through 12. Sampling and analytical techniques, geochemistry statistics, and analytical results are described in Appendices A through G. Samples collected by Kennecott in the years 1994 to 1996 were merged with the samples collected in 1998 for statistical and plotting purposes but only the analytical results for 1998 samples are included in the appendices.

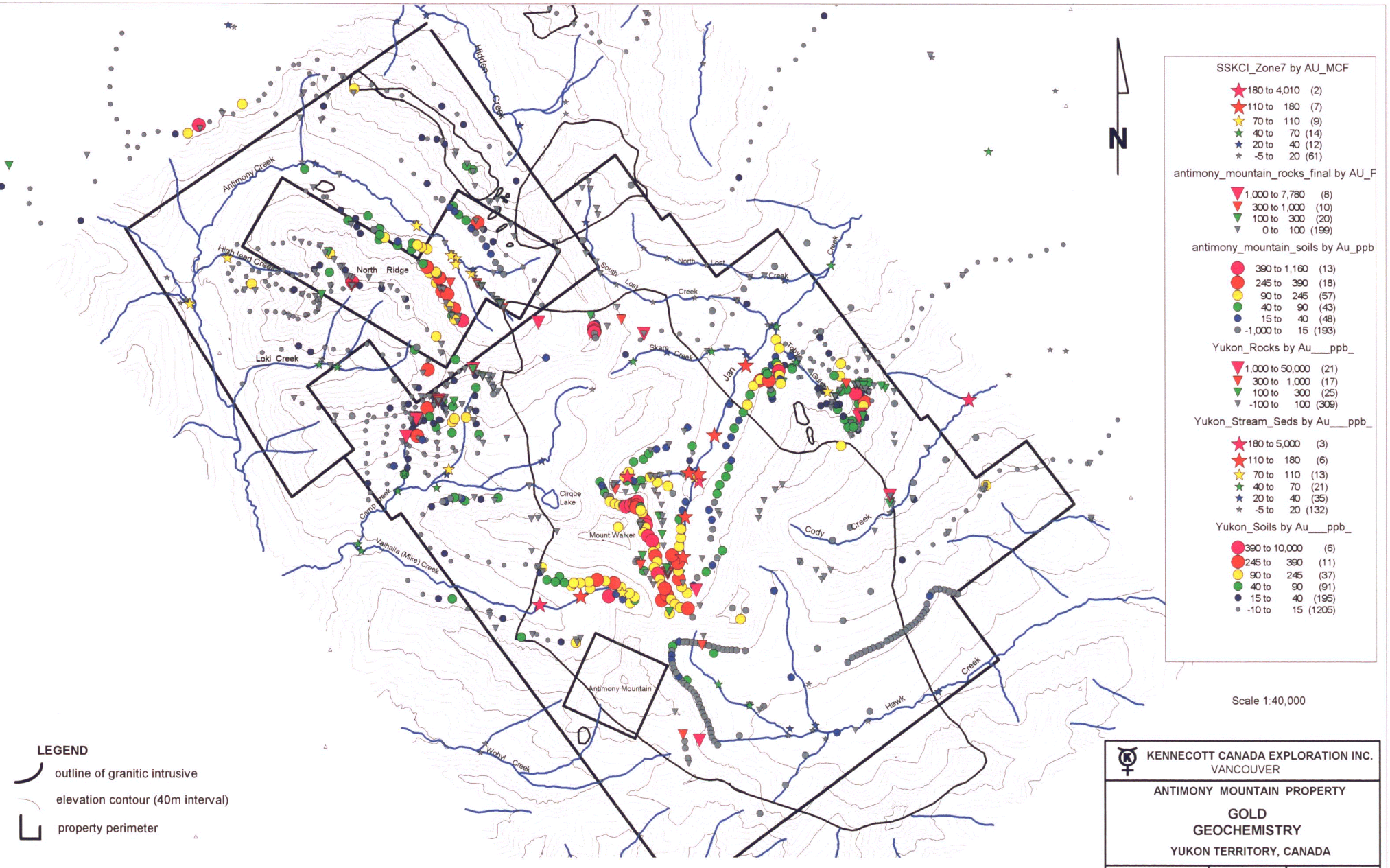
4.1 Rock Geochemistry

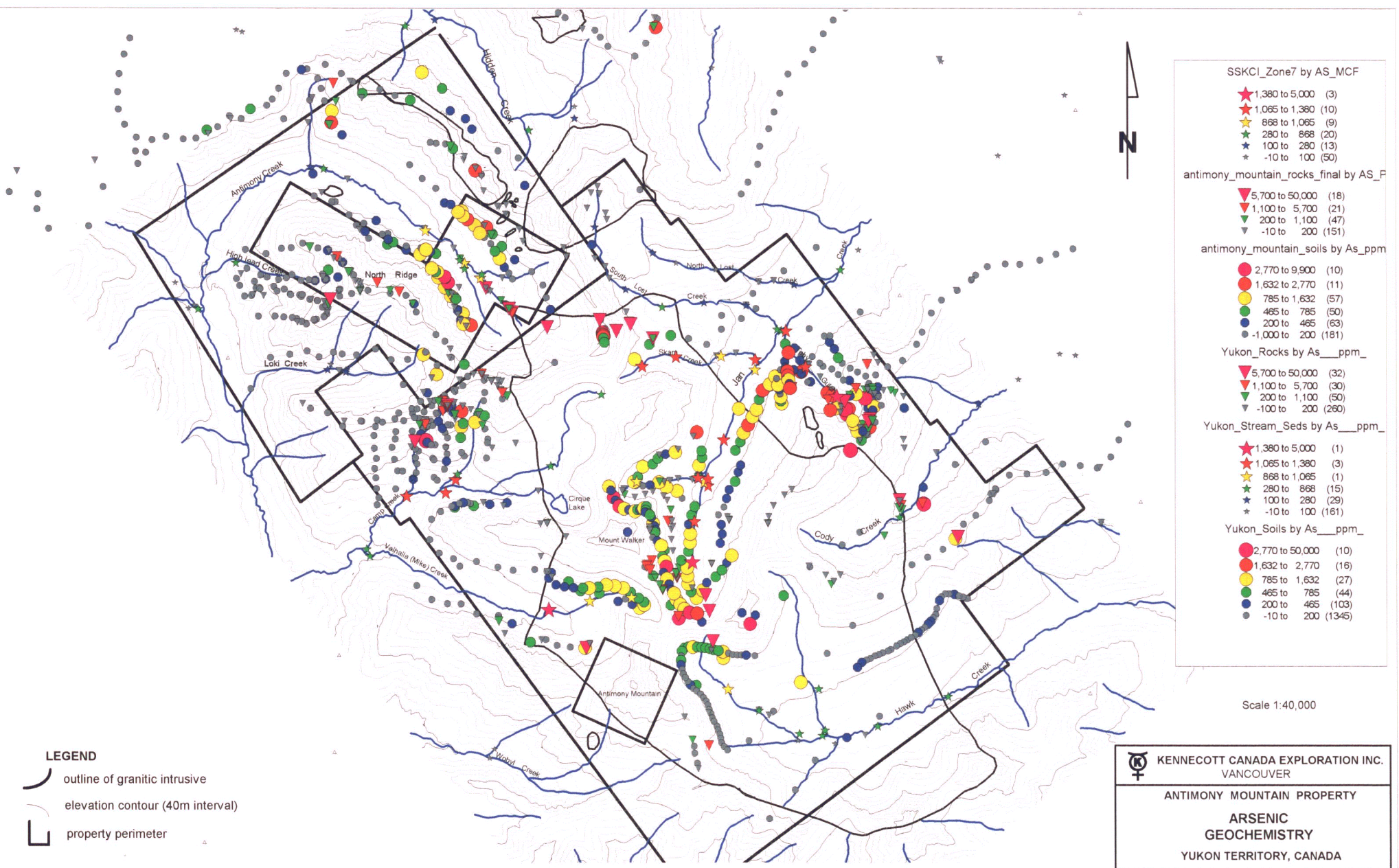
The 139 rock chip, grab and float samples were collected in conjunction with geological mapping. Samples were analyzed for gold using fire assay and atomic absorption (AA) techniques on a 30 gram sub-sample plus inductively coupled argon plasma (ICP) technique for 32 other elements. Sample locations are shown on Figures 7 and 8. Sample descriptions are attached as Appendix I and analytical results as Appendix G. Samples that returned anomalous results for gold were invariably sulfide (arsenopyrite) bearing.

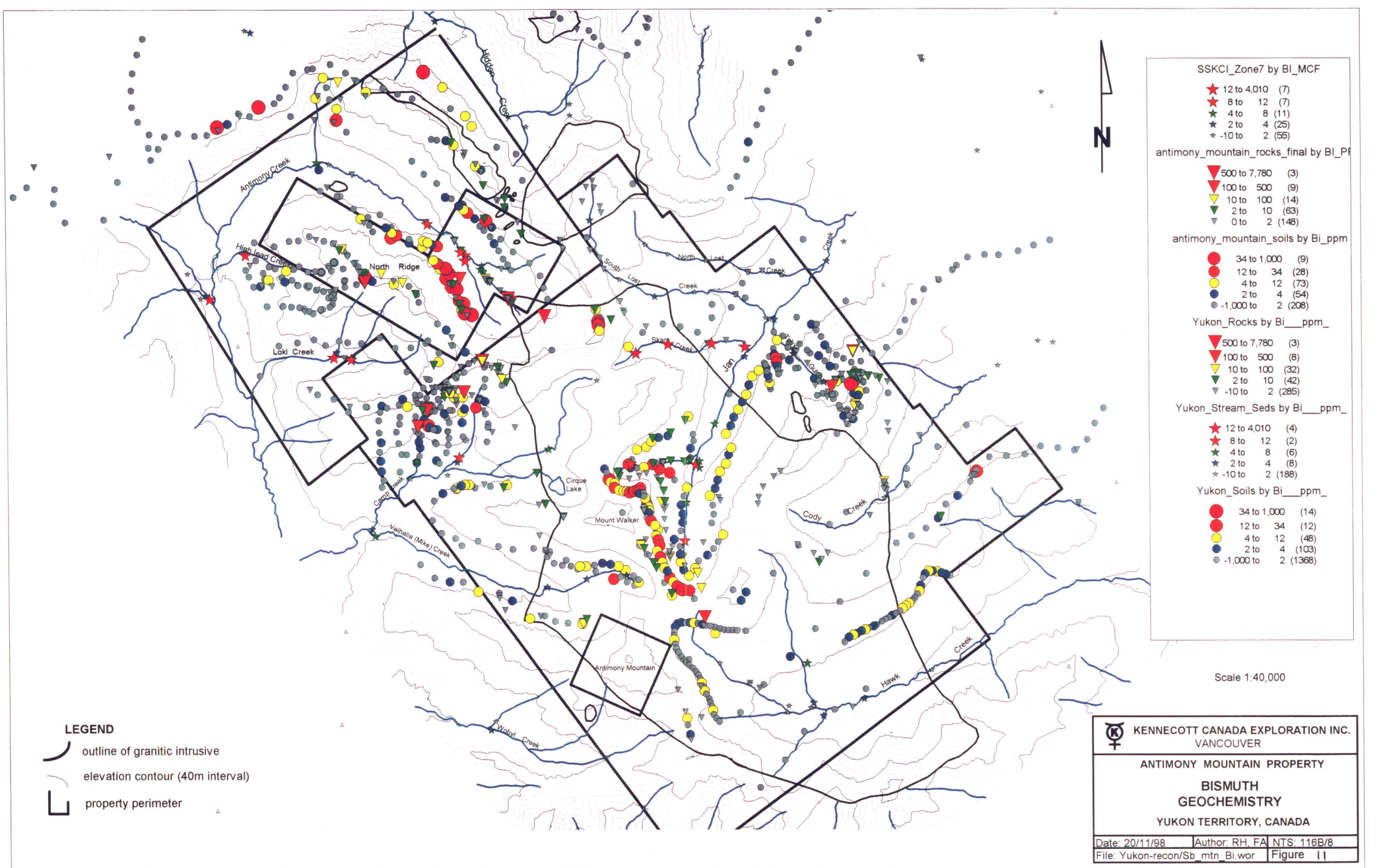
4.2 Soil Geochemistry

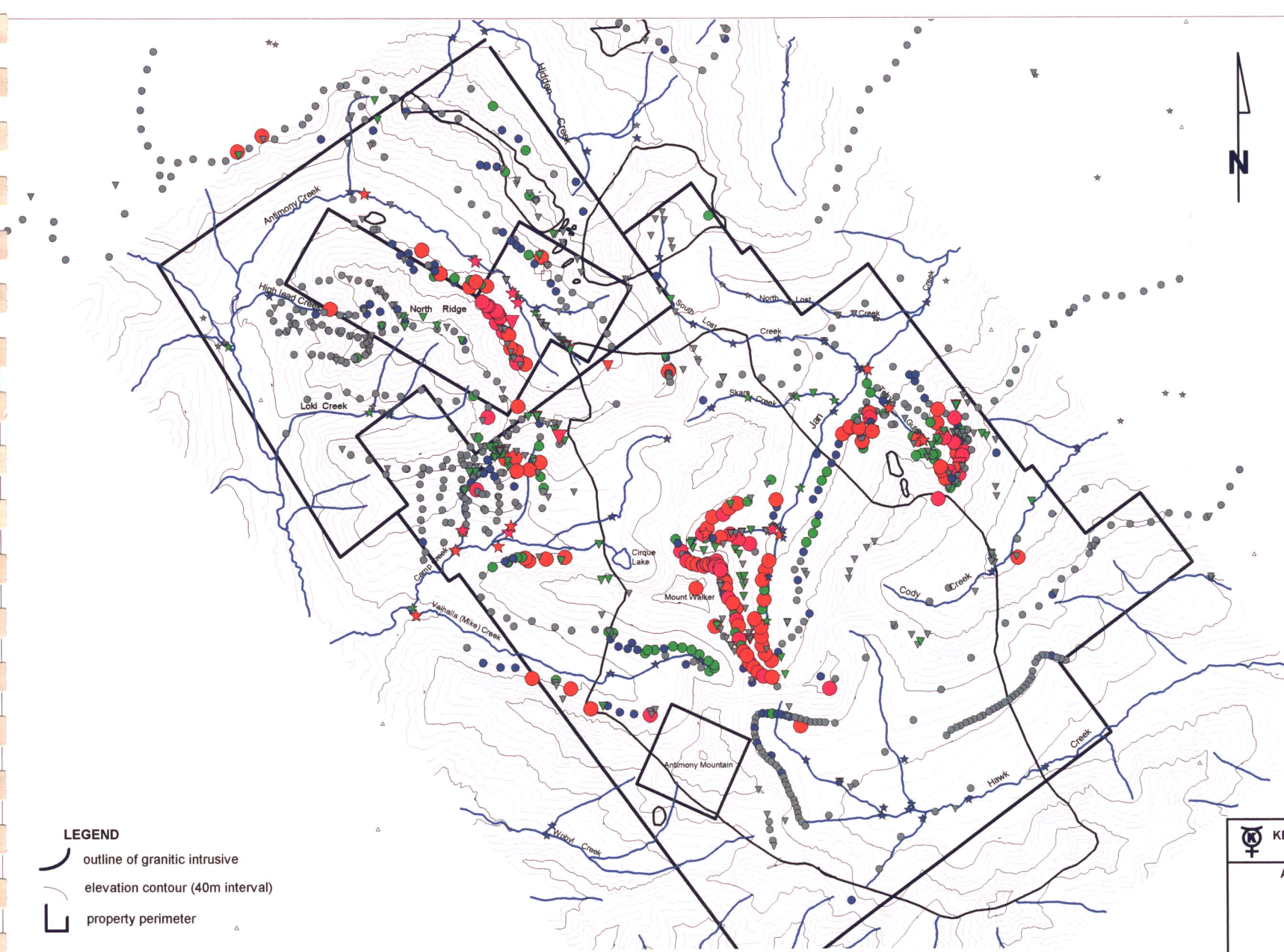
The 490 soil samples were collected on ridge and contour traverses and from a small GPS controlled grid established on the east facing side of Sandow Ridge, southwest of the Rainbow Vein. Samples were collected by auger or mattock from scree covered slopes and placed into standard Kraft paper 4" by 6" gusseted envelopes. Sample contamination by loess and organics posed a problem in some areas. Samples were analyzed for gold using fire assay and atomic absorption (AA) techniques on a 30 gram sub-sample plus inductively coupled argon plasma (ICP) technique for 32 other elements. Sample locations are shown on Figures 6 and 7 and analytical results are in Appendix D.

Soil samples collected in 1998 were merged with the 301 samples collected between 1994 and 1996 and anomaly thresholds were determined using the entire data set. The lab, sample collection and analytical methods used in 1994–1996 were the same as those employed in 1998.


Hidden Creek
Antimony Creek
High Lead Creek
North Ridge
Loki Creek
South Lost Creek
North Lost Creek
Skarn Creek
Jan
Trail
Cirque Lake
Mount Walker
Camp Creek
Valhalla (Mike) Creek
Cody Creek
Antimony Mountain
Wotnyl Creek
Hawk Creek
N
SSKCI_Zone7 by AU_MCF
180 to 4,010 (2)
110 to 180 (7)
70 to 110 (9)
40 to 70 (14)
20 to 40 (12)
-5 to 20 (61)
antimony_mountain_rocks_final by AU_P
1,000 to 7,780 (8)
300 to 1,000 (10)
100 to 300 (20)
0 to 100 (199)
antimony_mountain_soils by Au_ppb
390 to 1,160 (13)
245 to 390 (18)
90 to 245 (57)
40 to 90 (43)
15 to 40 (48)
-1,000 to 15 (193)
Yukon_Rocks by Au___ppb_
1,000 to 50,000 (21)
300 to 1,000 (17)
100 to 300 (25)
-100 to 100 (309)
Yukon_Stream_Seds by Au___ppb_
180 to 5,000 (3)
110 to 180 (6)
70 to 110 (13)
40 to 70 (21)
20 to 40 (35)
-5 to 20 (132)
Yukon_Soils by Au___ppb_
390 to 10,000 (6)
245 to 390 (11)
90 to 245 (37)
40 to 90 (91)
15 to 40 (195)
-10 to 15 (1205)
Scale 1:40,000
LEGEND
outline of granitic intrusive
elevation contour (40m interval)
property perimeter
KENNECOTT CANADA EXPLORATION INC.
VANCOUVER
ANTIMONY MOUNTAIN PROPERTY
GOLD
GEOCHEMISTRY
YUKON TERRITORY, CANADA
Date: 2/12/98
Author: RH, FA
NTS: 116B/8
File: Yukon-recon/Sb_mtn_Au.wor
Figure 9


Hidden Creek
Antimony Creek
High Lead Creek
North Ridge
Loki Creek
South Loki Creek
North Loki Creek
Skarn Creek
Jan Creek
Cirque Lake
Mount Walker
Camp Hawk
Valhalla (Mike) Creek
Cody Creek
Antimony Mountain
Hawk Creek
Wobid Creek
N
SSKCI_Zone7 by AS_MCF
1,380 to 5,000 (3)
1,065 to 1,380 (10)
868 to 1,065 (9)
280 to 868 (20)
100 to 280 (13)
-10 to 100 (50)
antimony_mountain_rocks_final by AS_F
5,700 to 50,000 (18)
1,100 to 5,700 (21)
200 to 1,100 (47)
-10 to 200 (151)
antimony_mountain_soils by As_ppm
2,770 to 9,900 (10)
1,632 to 2,770 (11)
785 to 1,632 (57)
465 to 785 (50)
200 to 465 (63)
-1,000 to 200 (181)
Yukon_Rocks by As___ppm_
5,700 to 50,000 (32)
1,100 to 5,700 (30)
200 to 1,100 (50)
-100 to 200 (260)
Yukon_Stream_Seds by As___ppm_
1,380 to 5,000 (1)
1,065 to 1,380 (3)
868 to 1,065 (1)
280 to 868 (15)
100 to 280 (29)
-10 to 100 (161)
Yukon_Soils by As___ppm_
2,770 to 50,000 (10)
1,632 to 2,770 (16)
785 to 1,632 (27)
465 to 785 (44)
200 to 465 (103)
-10 to 200 (1345)
Scale 1:40,000
LEGEND
outline of granitic intrusive
elevation contour (40m interval)
property perimeter
KENNECOTT CANADA EXPLORATION INC.
VANCOUVER
ANTIMONY MOUNTAIN PROPERTY
ARSENIC
GEOCHEMISTRY
YUKON TERRITORY, CANADA
Date: 2/12/98
Author: RH, FA
NTS: 116B/8
File: Yukon-recon/Sb_mtn_As.wor
Figure: 10


Antimony Creek
Hidden Creek
High Lead Creek
North Ridge
Loki Creek
South Lost Creek
North Lost Creek
Skarn Creek
Jan Creek
Cirque Lake
Mount Walker
Camp Creek
Valhalla (Mike) Creek
Cody Creek
Antimony Mountain
Hawk Creek
Wrobyl Creek
N
SSKCI_Zone7 by BI_MCF
12 to 4,010 (7)
8 to 12 (7)
4 to 8 (11)
2 to 4 (25)
-10 to 2 (55)
antimony_mountain_rocks_final by BI_PF
500 to 7,780 (3)
100 to 500 (9)
10 to 100 (14)
2 to 10 (63)
0 to 2 (148)
antimony_mountain_soils by Bi_ppm
34 to 1,000 (9)
12 to 34 (28)
4 to 12 (73)
2 to 4 (54)
-1,000 to 2 (208)
Yukon_Rocks by Bi___ppm_
500 to 7,780 (3)
100 to 500 (8)
10 to 100 (32)
2 to 10 (42)
-10 to 2 (285)
Yukon_Stream_Seds by Bi___ppm_
12 to 4,010 (4)
8 to 12 (2)
4 to 8 (6)
2 to 4 (8)
-10 to 2 (188)
Yukon_Soils by Bi___ppm_
34 to 1,000 (14)
12 to 34 (12)
4 to 12 (48)
2 to 4 (103)
-1,000 to 2 (1368)
Scale 1:40,000
LEGEND
outline of granitic intrusive
elevation contour (40m interval)
property perimeter
KENNECOTT CANADA EXPLORATION INC.
VANCOUVER
ANTIMONY MOUNTAIN PROPERTY
BISMUTH
GEOCHEMISTRY
YUKON TERRITORY, CANADA
Date: 20/11/98
Author: RH, FA
NTS: 116B/8
File: Yukon-recon/Sb_mtn_Bi.wor
Figure 11



SSKCI_Zone7 by CU_MCF

432 to 4,010	(6)
302 to 432	(8)
204 to 302	(11)
50 to 204	(40)
-10 to 50	(40)

antimony_mountain_rocks_final by CU

5,000 to 10,000	(2)
1,000 to 5,000	(6)
100 to 1,000	(71)
0 to 100	(158)

antimony_mountain_soils by Cu_p

314 to 5,100	(25)
163 to 314	(52)
115 to 163	(42)
65 to 115	(60)
-10 to 65	(190)
all others	(1)

Yukon_Rocks by Cu___ppm_

5,000 to 10,000	(3)
1,000 to 5,000	(5)
100 to 1,000	(42)
0 to 100	(316)
all others	(6)

Yukon_Stream_Seds by Cu___ppr

432 to 4,010	(1)
302 to 432	(2)
204 to 302	(1)
50 to 204	(41)
-10 to 50	(163)

Yukon_Soils by Cu___ppm_

314 to 5,100	(19)
163 to 314	(40)
115 to 163	(52)
65 to 115	(151)
-10 to 65	(1280)

Scale 1:40,000

LEGEND

- outline of granitic intrusive
- elevation contour (40m interval)
- property perimeter

KENNECOTT CANADA EXPLORATION INC.
VANCOUVER

ANTIMONY MOUNTAIN PROPERTY

COPPER GEOCHEMISTRY

YUKON TERRITORY, CANADA

Date: 2/12/98	Author: RH, FA	NTS: 116B/8
File: Yukon-recon/Sb_mtn_Cu.wor		Figure: 12

4.3 Stream Sediment Geochemistry

Thirty-four stream samples and 13 pan concentrates were collected in 1998 from drainages around the property. Gold results greater than the median (20ppb) for stream samples are listed below.

Table 2. 1998 Anomalous Stream Results

Stream Location	Sample Number	Gold ppb -63um	Gold ppb –180 to 63 um	Sample Wt. (grams) -63um
High Lead	VR22316	90	40	119.8
Camp tributary	VR22331	30	35	111.2
Camp	VR22332	40	50	153.6
Hidden	VR22339	30	<5	58.3
Hidden tributary	VR22341	30	20	421.2
South Lost	VR22342	30	5	39.1
Jan Left Fork	VR22345	230	640	88.9
Jan Right Fork	VR22346	105	140	337.8
Jan tributary	VR22217	<5	50	193
Cody	VR22154	180	1545	73.0

The gold values obtained from Cody Creek are explained by the presence of the AJ veins upstream. The anomalies on the forks of Jan Creek come from shears within intrusive on the east slopes of Mount Walker. Arsenopyrite-quartz veining is found in the right fork and anomalous soils represent mineralization in recessive weathering fractures and shears in the intrusive. Anaconda identified High Lead Creek in 1979 as anomalous in Pb-Zn-Ag and gold was not analysed. The 1998 stream sample was taken downstream of the Anaconda sample and returned similar values in lead and zinc, less but still anomalous values in silver (4.4ppm vs. 6.7ppm) anomalous antimony (216ppm) and arsenic (418ppm).

5.0 EXPLORATION RESULTS

5.1 North Ridge

There are three known quartz-sulfide showings, Rainbow Vein, JC Vein and TK Showing, in the region covering the ridge between Loki Creek and the head of Antimony Creek. Anaconda drilled all three in 1980.

The Rainbow Vein is comprised of two east-trending, sub-vertical arsenopyrite-chalcopyrite-quartz-tourmaline veins on a steep north-facing cirque wall. The two veins outcrop at 1800 and 1760 metres elevation, trend approximately 105° and pinch laterally into barren quartz-tourmaline-calcite veins. The 1800m elevation vein has been traced on surface for 170 metres with widths varying from 2 metres to 50 centimetres. The narrower 1760m vein (30cm width) was traced for 65 metres. The veins parallel and in places crosscut sulfidised latite dikes. Chip samples taken from the upper vein in 1989 by Energold returned up to

0.52opt gold. The weighted average over a 19 metre strike length of the vein is 0.19 opt gold (Pelletier and Basnett, 1990).

The JC Vein, located in Antimony Creek valley, was prospected and sampled in 1995 by N. Reardon, Kennecott contract geologist. It occurs at the monzonite/ sedimentary contact and is a 30cm wide arsenopyrite-quartz-pyrite-tourmaline vein. Anaconda traced this vein over a 130 metre strike and 50 metre depth. Assays from grab sampling by Anaconda contained up to 5.5 grams gold per tonne. Rocks from the 1996 traverse carried a maximum of 0.83g/t gold.

The TK Showing occurs within a recessive weathering hornfelsed siltstone on the south slope of Antimony Creek, about 600 metres west of the JC Vein. The zone trends 290° across the slope for 650 metres and is suspected to be a thrust fault. Sulfidised latite dykes are mapped at the showing trending 290° with sub-vertical dips. A grab sample by Energold from trenching on the showing returned 0.15opt gold (Pelletier and Basnett, 1990). In 1998 vein float carrying 6.3g/t gold (VR58174) was found west of the hole drilled above the showing by Anaconda. The float contained massive arsenopyrite, minor galena, sphalerite and chalcopyrite. The valley below and to the west of the occurrence was traversed and sampled. Tourmaline breccia was noted in talus during the traverses but could not be traced to source. Calc-silicate float (dioside-actinolite-tourmaline) was found in Far West Gully, near Antimony Creek valley. Well-jointed monzonite crops out in Antimony Creek valley 1.5 km west of the TK Showing, but it is unaltered, and fractures are dry. Limestone is mapped on the west end of the ridge.

On North Ridge an orange weathering soil collected from a 1.0 metre wide recessive zone contained 1245ppb gold (VR80476). The apparent trend of the zone is 070° and may be the continuation of the recessive zone thrust fault hosting the TK occurrence one kilometre to the east. A 0.25 metre chip sample from the shear assayed 0.95g/t gold (VR31879).

Quartz–carbonate altered quartzite and shale clasts supported in a calcite-limonite matrix are found on North Ridge, Sandow Ridge and in High Lead Creek. These limonite breccias may contain trace sulfides (pyrrhotite, arsenopyrite, chalcopyrite, galena). The breccias appear intraformational and may result from devolatization of country rock during contact metamorphism (Hall et al, 1980). They could also mark thrust boundaries in the stratigraphy that acted as conduits for hydrothermal fluids.

5.2 Loki Creek

Loki Creek is a west flowing tributary to Antimony Creek that separates Sandow Ridge from North Ridge. The region covers a pronounced aeromagnetic low. The scree above the headwaters on Sandow Ridge has quartzite float cut by quartz-tourmaline stringers. Abundant float of syenite and marginal phases of the intrusive is found in talus. The highest value from soil sampling is 295ppb gold (VR80371). Rock samples taken of the sulfidised syenite float returned background gold.

5.3 High Lead Creek

High Lead Creek drains west from the end of the North Ridge spur. Prospecting and mapping in 1980 by Anaconda identified gossanous heterolithic breccia in the region of soil anomalous in silver, lead, and copper. The gossans are related to pyrrhotite bearing latite and hornblende porphyry dikes. The breccia occurs near the valley bottom, close to the confluence with Antimony Creek. Quartz-calcite vein float was noted on the 1998 traverses but was not seen in outcrop.

Milky quartz stockwork, weak iron oxidation and clay alteration of feldspar in the quartzites was found on the ridge south of the creek. The highest soil value of 130ppb (VR80534) was obtained from below this alteration but further sampling in the area did not extend the anomaly. The best rock sample result of 115ppb gold came from a vuggy quartz vein cutting grit at the head of the creek (VR80871). A stream sample taken at the mouth of High Lead Creek returned 90ppb gold.

5.4 Ridge north of upper Antimony Creek

This east-west ridge divides Antimony Creek from Hidden Creek, then continues southeasterly. Highest soil value obtained on the ridge was 130ppb gold. A soil sample collected immediately adjacent to the claims returned 460ppb gold from oxidized soil adjacent to latite dikes and epidote-pyrrhotite skarn.

5.5 Sandow Ridge

Mapping in 1996 located float of quartz+tourmaline+/- sulfide veining on the south-facing slope overlooking Camp Creek. The veining is found as float over area at least 500 metres by 300 metres. A northeast trending fault cuts across the slope north of the vein float. Arsenopyrite and chalcopyrite were noted in the fault zone and assays of massive sulfide from this shear contained up to 4.4g/t gold (Coombes, 1996). Anaconda obtained assays up to 6.5 g/t from the south slope of Sandow Ridge, most likely in the vicinity of the same fault zone.

The 1998 program involved prospecting the ridge and doing wide spaced grid sampling over the south-facing slope from the ridge into Camp Creek. Values above background were located over a 700 metre by 500 metre area. The highest soil value obtained in 1998 was 280ppb gold (VR57589). Quartz-tourmaline breccia was found in talus across the valley, on the south side of Camp Creek.

5.6 South and North Ridges of Valhalla Creek

Valhalla Creek drains the west side of Antimony Mountain. Arsenopyrite vein scree was found at the base of Mt. Walker. A white quartz vein up to 4 metres wide is located along a thrust fault mapped on the west end of the ridge. Rusty gullies of hornfelsed sediment marks the contact with monzonite. Highest soil values of 170ppb (VR58034) and 140ppb (VR53366) gold are located in the intrusive near the contact with sediments.

5.7 AJ Zone and South Ridge of Cody Creek

Two zones, North and South, form the AJ Zone in Cody Creek. The zones trend easterly with steep to vertical dips and are separated by apparent north trending left-lateral offset. Both are en echelon massive sulfide lenses within shear zones. Gold content appears erratic between and within the zones.

The North Zone is proximally associated with pyrrhotite bearing latite and syenite dikes, and contains four separate sulphide veins in a 15 metre wide shear. Samples from trenching the veins in 1975 assayed up to 7.0 opt gold over 1.3 metres (Holcapek, 1975). A sample of arsenopyrite-quartz vein float collected 150 metres north of the showing in 1998, from a narrow (<0.3m wide?) vein returned 4.3g/t gold (VR80089). Best results from 1989 drilling of the AJ Zone are 0.67 opt gold over a true thickness of 1.53 metres in hole AJ89-007.

The South showing consists of three separate sulphide veins in a 10 metre wide shear zone. Trench samples of massive arsenopyrite and quartz-tourmaline veining carried up to 5.3 opt gold over 1.5 metres (Holcapek, 1975). Best results from 1989 drilling of the AJ Zone are 0.3 opt gold over a true thickness of 1.8 metres in hole AJ89-011. Quartz-tourmaline breccia was found on the ridge south of Cody Creek (1975 Ridge Zone of Acheron) but a north trend for this vein indicates it may be related to a different structure. Results of 1.3 opt gold taken from this vein in 1968 are not substantiated by later prospecting. A rock float sample found downslope of the occurrence in 1989 returned 0.25opt gold. The highest gold value of 170ppb (VR80808) from 1998 soil sampling along the ridge was returned from this location.

5.8 North Ridge of Cody Creek

This ridge trends northeast and divides Cody Creek (AJ Zone) from Jan Creek. Where the ridge passes the head of Toby Gulch, the quartzites become strongly fractured and healed by tourmaline veinlets. Approximately 300 metres further east pervasive quartz-calcite replacement of quartzite and massive calcite veining outcrops on the ridge. Several soil values over 200ppb were returned from the traverse. All anomalous samples occur around the head of Toby Gulch where tourmaline stockwork and breccia was mapped.

5.9 Toby Vein

In 1989 Total Energold geologists discovered quartz-arsenopyrite mineralization in Toby Gulch. Toby Gulch drains west into Jan Creek. Samples from east-west trending fault zones and related gossans cropping out in the creek returned low gold values, however nearby float of arsenopyrite-tourmaline-quartz veins returned assays up to 19.4 g/t gold. Both sides of the gulch plus the gulch itself were traversed in 1998. Quartzite outcrop hosting a 40cm wide drusy quartz vein with pods of massive arsenopyrite was located on the valley wall at the head of the creek in 1998. The vein trended 070° and was traced for three metres before being covered into the talus. A sample of the vein (VR80101) carried 69.0g/t gold and explains the high gold values obtained in float downstream. A 30 metre wide syenite body was located 100 metres northwest of the vein.

Anomalous rock float collected in 1995 (770ppb and 880ppb gold) was followed up in 1998. A shear zone cutting altered monzonite was located in talus. A one metre grab sample of quartz-tourmaline veinlets with blebs of arsenopyrite and chalcopyrite assayed 1.7g/t gold (VR31856). Arsenopyrite float adjacent to the veining returned 475ppb gold. A half metre chip of calcite veined monzonite returned 45ppb gold. No further mineralization was seen within rock exposure above the talus slope. This in-situ mineralization partially explains the strong gold and arsenic soil anomaly found in the area.

5.10 Upper Jan Creek

Coincident Au-As-Bi-Cu anomalies in soil and rock from previous work around the head of Jan Creek were followed up in 1998. A shear zone cutting altered monzonite was found cropping out of talus at 1520m elevation. A one-metre grab sample of quartz-tourmaline veinlets with blebs of arsenopyrite and chalcopyrite assayed 1.7g/t gold (VR31856). Arsenopyrite bearing float adjacent to the veining returned 475ppb gold. A half metre chip of calcite veined monzonite returned 45ppb gold. No further mineralization was seen within rock exposure above the talus slope and the soil anomaly is attributed to these narrow shear – vein zones.

6.0 CONCLUSIONS AND RECOMMENDATIONS

Stream sampling confirmed anomalous drainages containing mineralized showings and one new gold anomaly (High Lead Creek) was identified. Soil sample ridge and contour traverses generally returned low gold values distal to the intrusion. Rock sampling targeted alteration and mineralization seen in float or outcrop of both the intrusive and outlying metasedimentary host rocks. Highest gold values in rock are from arsenopyrite-quartz-tourmaline veins filling shears and faults in quartzites proximal to the intrusive contact.

Four areas of interest were identified: the North Ridge area; upper Jan Creek; Toby Creek (and adjacent Tom Zone); and Cody Creek. Only the North Ridge area is currently of economic interest (Rainbow Vein, JC Vein, TK Showing). The area returned a very strong coincident gold-arsenic-bismuth-copper stream sediment, soil and rock geochemistry anomaly over a distance of 1.2km. The recessive siltstone horizon hosting the TK Showing probably represents a southeasterly dipping thrust fault and if projected downdip it would intersect the Antimony Mountain Stock. The area lies on the same east-west trending linear as the TT Showing and Toby Vein, suggesting a major structural control for mineralizing fluids. The presence of auriferous pyrrhotite bearing dykes within this zone indicates the mineralization is spatially and genetically linked to the nearby intrusive rocks.

In the AJ Zone mineralization approaches economic grades and widths but pinches along strike. Drilling has only tested this mineralized zone to a depth of 60 metres, and the potential for deeper mineralization is very possible. The AJ Vein trends approximately parallel to the east–west linear that links the North Ridge area, JC Vein, TT Showing and Toby Vein. A sample from a vein north of, and parallel to the AJ Zone returned 4.3 grams gold per tonne and signifies the potential for expanding current discoveries. Of note is that the few soil samples taken from the AJ Zone are not anomalous in bismuth as they are in the North Ridge and Toby Gulch areas. However, given the current understanding of the zone, bulk-tonnage potential at the AJ appears limited. Further work is not recommended at this time because of the discontinuous nature of the mineralization.

Both upper Jan Creek and Toby Gulch areas returned strong gold, arsenic, bismuth and copper geochemical anomalies. However rock exposure is sufficiently adequate in both areas to conclude that the potential to host a bulk tonnage gold deposit is small. Soil and stream sediment anomalies can be attributed to narrow high-grade vein style mineralization.

Additional work is required and recommended on the North Ridge area in order to be properly evaluated. Detailed mapping at a scale no greater than 1:2,500 is required to establish the structural setting, alteration and mineralization potential of the area. Additional soil and rock geochemistry should be carried out concurrently with the mapping. The use of geophysics should be investigated to help resolve structural problems and assist in the search for mineralization at depth.

7.0 REFERENCES

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8.0 STATEMENT OF EXPENDITURES

Geochemistry	No.	$/sample	$Total	
Rocks	139	18.34	2549.26	
Soils	490	15.72	7702.80	
Pan Cons	13	23.78	309.14	
Silt	34	26.04	885.36	
Total Cost of all Samples			11446.56	
Total Number of Samples	676	16.93		
Cost of Samples on				
Granted Claims	508	16.93		**$8,600.44**

Helicopter	Hrs	$Total	Applicable $	
05-Jun	1.7	1418.60	1418.60	
28-Jun	1.9	1585.63	1585.63	
29-Jun	2.3	1918.94	1918.94	
31-Jul	5.2	4199.86	1251.57	
01-Aug	3	2422.91	2422.91	
02-Aug	5.8	4684.14	1695.74	
03-Aug	Rain day	0.00	0.00	
04-Aug	1.9	1534.81	1534.81	
05-Aug	2.4	1938.63	0.00	
06-Aug	4.1	3311.01	1938.63	
07-Aug	3	2422.91	2422.91	
14-Aug	1.8	1453.60	1453.60	
18-Aug	2.1	1695.74	1695.74	
19-Aug	2.6	2099.55	2099.55	
21-Aug	3.7	2988.40	2988.40	
Total Helicopter Costs				**$24,427.03**

Personnel					
Aurum	Days	Number	$/day	$Total	
R.A.Doherty	Aug. 1,4,6,7	4	428.00	1712.00	
J.Clarke	Aug. 4,6	2	267.50	535.00	
S.Rogan	Aug.1	1	267.50	267.50	
J.Bailey	Aug1,4,6	3	267.50	802.50	
M.Williams	Aug1,4,6,7	4	267.50	1070.00	
C.Lee	Aug 19,21	2	342.40	684.80	
KCEI					
R.Hulstein	June 5,28,29;July31;Aug.1,2,14,18,19,21	10	350.00	3500.00	
F.Andersen	June 5,28,29;Aug.1,2,18,19,21	8	300.00	2400.00	
T.Maloof	June 4,29;July 19,21	4	300.00	1200.00	
D.Selby	June 5,29;July31;Aug.1,2,4,6,7,18,19,21	11	275.00	3025.00	
A.Cole	14-Aug	1	350.00	350.00	
Total Labour Costs					**$15,546.80**

Field Expenses				
AGCI		days	$/day	Cost
Aug. 1,4,6,7		4	589.59	2358.36
KCEI				
June4,5,28,29;July31;Aug1,2,14,18,19,21		11	475.00	5225.00
Total Field Costs				**$7,583.36**

Report				
Person		days	$/day	Cost
R. Hulstein		7	300	2100
F. Andersen		14	275	4125
Drafting&reproductuion				1500
Total Report Costs				**$7,725.00**

Total Costs	**$63,882.63**
Cost/Sample	**$125.75**

9.0 STATEMENT OF QUALIFICATIONS

I, Roger W. Hulstein, with business address:

Kennecott Canada Exploration Inc.
354-200 Granville Street
Vancouver, B.C.
V6C 1S4

and residential address in Whitehorse, Yukon Territory, do hereby certify that:

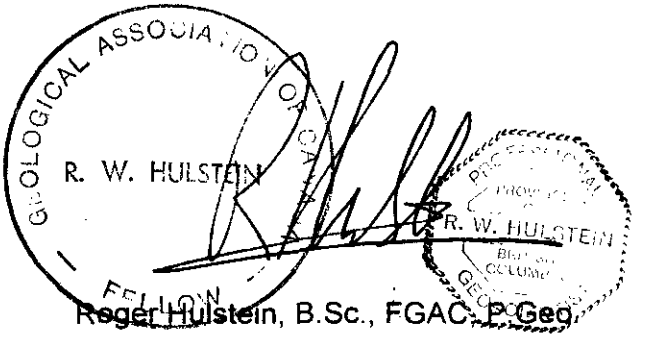
1. I am a geologist with Kennecott Canada Exploration Inc.

2. I am a graduate of Saint Mary's University, Halifax, with a degree in geology (B.Sc., 1981) and have been involved in geology and mineral exploration continuously since 1978.

3. I am a fellow of the Geological Association of Canada (F3572).

4. I am registered as a professional geoscientist (No. 19127) with the Association of Professional Engineers and Geoscientists of the Province of British Columbia.

5. I am the co-author of this report on the Antimony Mountain Property, Dawson Mining District, Yukon, which is based on my personal examination of the ground during June - August 1998 and on referenced sources.



Dec. 15, 1998 Roger Hulstein, B.Sc., FGAC, P.Geo.

STATEMENT OF QUALIFICATIONS

I, Farrell Andersen, with business address:

Kennecott Canada Exploration Inc.
354-200 Granville Street
Vancouver, B.C.
V6C 1S4

and residential address in Whitehorse, Yukon Territory, do hereby certify that:

1. I am a geologist with Kennecott Canada Exploration Inc.

2. I am a graduate of University of British Columbia, Vancouver, B.C., with a degree in geology (B.Sc., 1989) and have been involved in geology and mineral exploration continuously since 1985.

5. I am the co-author of this report on the Antimony Mountain Property, Dawson Mining District, Yukon, which is based on my personal examination of the ground during June - August 1998 and on referenced sources.



Dec. 15, 1998 Farrell Andersen, B.Sc.

APPENDIX A

SAMPLING TECHNIQUES

APPENDIX A SAMPLING TECHNIQUES

Soil:

Soil development is mainly dictated by topography. Ridge crests and upper slopes have moderate to poor soil development. Anomalies found on ridges can be considered "in-situ" and reflect the immediate surroundings. Steep side slopes are scree covered and soil is poorly developed. Therefore anomalies on steep slopes reflect residual rock uphill unless taken from a "pocket", in which case the anomaly is very localized. Soil is absent in the upper reaches of valleys and influenced by glacial and fluvial processes in the lower reaches. The sandier siltstone develops better soil than the quartzite. Shale and slate have almost no soil, and consist mostly of fine rock fragments. The unaltered intrusive does not generate soil but breaks down into weathered grains. Altered intrusive and strongly oxidized zones weather into clay rich soil.

Samples were collected from surface to 1.0 metre depth using mattock or soil auger approximately every 200 metres along a traverse. Sites were logged in the field using Garmin 12XL GPS and described on standardized Kennecott rock/soil field cards. A –150 um sample was analysed by Chemex Laboratories in North Vancouver by 30gram fire assay (one assay ton) for gold and ICP (G32 package) for 32 elements.

Statistics for the 788 soil samples taken from the property by Kennecott since 1994 are listed in Appendix C. Results are listed in Appendix D.

Stream Sediment:

Sand and coarser material dominated streambeds. Lithology varied and reflected the surrounding ridges. Most streams were flowing, often at moderate to high velocity. Sufficient fine material was found on bars either exposed or at current stream level, under traps like boulders and talus overhangs, and from the underside of moss (moss-mat).

Two or three crews using helicopter support did the stream sampling. From one to three kilograms of –2mm sieved material was collected. Sites were logged in the field using GPS and standardized Kennecott stream field cards. The –63um and the –180 to 63 um material was analysed by 30gram fire assay and 32 element ICP. Streams throughout the property were targeted and 34 samples were collected in 1998. Statistics on the 101 stream samples collected since 1994 are listed in Appendix C. Results are listed in Appendix E.

APPENDIX A SAMPLING TECHNIQUES

Pan Concentrates:

Concentrated heavy minerals from two 14-inch plastic pans of material was collected along with the fine fraction when time permitted before helicopter transport from one site to the next. Pan concentrates were collected at 13 of the 34 streams sampled.

Collection of samples was mainly to identify coarse gold and heavy minerals in the streambed. The concentrate (2-7grams) was submitted to Chemex and the whole sample was prepared and analysed using NAA. Results are listed in Appendix F.

Rock:

At least 500 grams consisting of float, subcrop/outcrop grab or outcrop chips were collected at sites showing altered/mineralized rock and/or structure. Sites were logged in the field as per soil samples.

A total of 139 rock samples of rock were collected for geochemical analysis by fire assay and ICP. Related hand samples were collected for thin section studies and PIMA analysis. Samples returning multi-gram values in gold are invariably arsenopyrite rich quartz veins. Sulfide laden latite returned values in the single gram range. Results are listed in Appendix G.

APPENDIX B

ANALYTICAL TECHNIQUES

APPENDIX B ANALYTICAL TECHNIQUES

Screening Procedure:

The screening method for soil samples is to dry, manually disaggregate and screen out (if possible) up to 100 grams of 106 micron (–150 mesh) material. For sediment samples two fraction sizes are screened out: –63 micron (-250 mesh) and –180 to 63 micron (-80 mesh). Coarse fractions are labelled and stored by the lab.

Pan concentrates are dried and ring pulverised to greater than 95% 106 micron (-150 mesh).

Rock samples are first crushed to greater than 70% 2mm (-10 mesh) and then put through a riffle splitter. A 200-gram split is taken and pulverised to better than 95% 106 micron (-150 mesh) using a chrome-steel ring mill.

Trace Gold by Fire Assay Procedure:

A 30g prepared sample is fused with a lead oxide flux inquarted with 6mg of gold-free silver and then cupelled to yield a precious metal bead.

These beads are digested in 0.5ml concentrated nitric acid for 30 minutes and then 1.5 ml of concentrated hydrochloric acid is added and the mixture is digested for 1 hour. The samples are cooled, diluted to a final volume of 7.5ml with demineralized water, homogenised and analyzed by atomic absorption spectroscopy. Detection and upper limits are 5 and 10,000ppb, respectively.

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

A prepared sample (1.0g) is digested with concentrated nitric for one hour. After cooling, hydrochloric acid is added and the resulting aqua regia is then digested for an additional hour and a half. The solution is diluted to 25ml with demineralized water, mixed and analyzed for 32 elements by a plasma spectrometer after calibration with proper standards. The analytical results are corrected for spectral inter-element interference.

Incomplete digestion may occur with the following elements: aluminum, barium, beryllium, calcium, chromium, gallium, lanthanum, magnesium, potassium, scandium, sodium, strontium, thallium, titanium, and tungsten.

Direct Neutron Activation Analysis (NAA)-Gamma Spectroscopy:

A 1.000+/-0.001 gram sample is weighed into a polyethylene vial. The vial is heat-sealed and irradiated, together with Chemex "in-house" and internationally recognised standards, in a thermal neutron flux of not less than $7x10^{12}n\ cm^{-2}s^{-1}$. The gamma activity of the resulting isotopes are determined by computer aided interactive gamma spectrometry. The normalized activities for each of the isotopes are directly compared to the activity found in the standards that were irradiated under identical flux conditions.

APPENDIX C

GEOCHEMISTRY STATISTICS

APPENDIX C GEOCHEMICAL STATISTICS

Descriptive statistics and element correlation for soil and stream results was crunched through Microsoft Excel. Normal probability plots were generated with the statistics program Datadesk 6.0. Both software versions are registered to Kennecott Canada Exploration.

As expected, all elements show positive kurtosis and skewness indicating a narrow peaked central hump with a long tail stretching into the high values. Elements of interest (Au-Ag-As-Bi-Cu-Pb-Sb-U-W-Zn) with extraordinarily high soil values had those values omitted before the statistical calculations. The median is the 50th percentile and can be used as a measure of background, except for gold where the 65th percentile (20ppb) is chosen. The 20ppb reflects the accuracy and the repeatability of the gold analysis.

Strong (>40%) positive correlation exists between:

Soil Samples	Stream Samples
Au-As-Bi	Ag-Bi-Pb-Sb
Ag-Pb-Sb	As-U
Cu-Zn	Cu-Zn

Percentiles were used to determine geochemical threshholds for generating maps in MapInfo.

Normal probability plots for soil sample elements of interest are included at the end of the appendix. Normal probability plots are a visual expression of a sample's distribution relative to a normalized Gaussian distribution (n-score). The concave shape of the plots indicates positive skewness.

Kennecott Canada Exploration Incorporated
Descriptive Statistics for 1994-1998 Soil Samples

Descriptive Statistics	Au ppb	Ag ppm	Al ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %
Mean	47.37	0.33	2.09	384.96	158.92	0.98	3.41	0.38	0.41	15.62	27.52	95.45	4.18	6.63	0.59	0.14
Standard Error	3.56	0.02	0.03	24.51	2.95	0.04	0.29	0.02	0.04	0.44	0.45	4.70	0.07	0.17	0.01	0.00
Median	10.00	0.10	2.05	112.00	140.00	0.50	1.00	0.20	0.30	11.00	27.00	51.00	3.44	5.00	0.50	0.11
Mode	3.00	0.10	2.24	10.00	140.00	0.50	1.00	0.11	0.30	9.00	30.00	20.00	2.98	5.00	0.50	0.07
Standard Deviation	99.38	0.70	0.72	686.64	82.90	0.99	8.01	0.48	1.01	12.37	12.52	131.60	2.03	4.90	0.28	0.10
Sample Variance	9876.67	0.49	0.52	471476.32	6871.73	0.98	64.16	0.23	1.02	152.96	156.86	17317.76	4.10	24.03	0.08	0.01
Kurtosis	20.48	36.65	0.09	18.95	4.05	7.69	52.02	47.38	529.13	18.63	285.06	27.37	5.00	8.33	47.73	9.55
Skewness	4.03	5.51	0.30	3.77	1.71	2.40	6.36	4.97	21.39	3.29	13.58	4.36	2.07	2.49	5.71	2.56
Range	867.50	7.10	4.43	5929.00	610.00	6.75	103.00	6.66	25.75	135.00	297.00	1335.00	13.90	39.00	3.50	0.90
Minimum	2.50	0.10	0.16	1.00	10.00	0.25	1.00	0.01	0.25	1.00	2.00	10.00	1.10	1.00	0.50	0.02
Maximum	870.00	7.20	4.59	5930.00	620.00	7.00	104.00	6.67	26.00	136.00	299.00	1345.00	15.00	40.00	4.00	0.92
Count	781.00	785.00	787.00	785.00	787.00	787.00	784.00	787.00	787.00	787.00	787.00	785.00	787.00	787.00	787.00	787.00

Descriptive Statistics	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Tl %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
Mean	35.46	0.49	641.52	2.68	0.02	22.75	1006.47	55.48	6.57	4.60	74.95	0.05	4.58	8.58	53.46	6.61	84.79
Standard Error	1.03	0.01	20.56	0.10	0.00	0.55	23.05	3.78	0.46	0.12	3.25	0.00	0.05	0.48	0.87	0.40	2.48
Median	30.00	0.47	460.00	2.00	0.01	19.00	820.00	30.00	2.00	4.00	41.00	0.04	5.00	5.00	51.00	5.00	68.00
Mode	10.00	0.47	325.00	1.00	0.01	19.00	580.00	18.00	1.00	3.00	15.00	0.01	5.00	5.00	43.00	5.00	54.00
Standard Deviation	28.99	0.23	576.91	2.67	0.02	15.45	646.60	106.03	13.02	3.32	91.27	0.03	1.27	13.42	24.29	11.25	69.62
Sample Variance	840.63	0.05	332830.74	7.12	0.00	238.85	418092.85	11241.81	169.46	11.04	8330.75	0.00	1.62	180.05	590.08	126.50	4846.66
Kurtosis	10.12	6.67	14.26	27.34	16.57	56.22	5.70	60.59	69.21	6.57	9.98	2.04	4.69	32.54	5.66	62.42	42.15
Skewness	2.44	1.55	3.20	3.85	3.54	5.47	2.04	7.00	6.90	2.12	2.75	0.90	-2.19	5.07	1.38	7.50	5.28
Range	245.00	2.04	5310.00	32.50	0.17	237.50	4980.00	1256.00	179.00	23.50	706.00	0.23	9.00	139.00	230.00	125.00	910.00
Minimum	5.00	0.03	50.00	0.50	0.00	0.50	150.00	4.00	1.00	0.50	7.00	0.00	1.00	1.00	4.00	1.00	0.00
Maximum	250.00	2.07	5360.00	33.00	0.17	238.00	5130.00	1260.00	180.00	24.00	713.00	0.23	10.00	140.00	234.00	126.00	910.00
Count	787.00	787.00	787.00	787.00	787.00	787.00	787.00	786.00	786.00	787.00	787.00	787.00	787.00	786.00	787.00	786.00	786.00

Kennecott Canada Exploration Incorporated
Correlation of 1994-1998 Soil Samples

Correlation for soil samples above 40ppb gold (75th percentile)

Correlations:

Elements	Minimum Correlation
Au+As+Bi	0.40
Ag+Pb+Sb	0.68
Cu+Zn	0.60

Element	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
Au	1.00																																
Ag	0.36	1.00																															
Al	-0.10	-0.14	1.00																														
As	0.40	0.24	0.01	1.00																													
Ba	-0.05	-0.07	0.15	-0.02	1.00																												
Be	0.04	-0.03	0.54	0.02	-0.15	1.00																											
Bi	0.49	0.15	-0.19	0.16	-0.06	-0.10	1.00																										
Ca	0.14	-0.16	0.59	0.15	0.18	0.56	-0.03	1.00																									
Cd	0.10	0.25	-0.14	0.25	-0.03	0.09	0.03	-0.04	1.00																								
Co	0.02	0.19	0.05	0.40	0.10	0.01	0.04	-0.11	0.53	1.00																							
Cr	-0.14	-0.04	0.29	-0.06	0.19	-0.05	-0.14	-0.08	-0.15	0.06	1.00																						
Cu	0.11	0.27	0.13	0.35	0.11	0.19	0.06	0.09	0.58	0.46	0.03	1.00																					
Fe	0.11	0.29	-0.17	0.19	0.07	-0.31	0.31	-0.36	0.23	0.41	0.06	0.24	1.00																				
Ga	0.26	-0.11	0.37	0.27	0.01	0.35	0.03	0.55	-0.02	-0.03	0.06	0.07	-0.19	1.00																			
Hg	0.04	-0.01	-0.07	-0.03	0.05	0.00	0.06	0.04	-0.01	0.01	-0.04	-0.03	0.17	-0.02	1.00																		
K	0.09	0.14	0.09	0.06	0.43	-0.09	0.14	0.12	-0.04	0.03	0.21	0.10	0.42	0.04	0.03	1.00																	
La	0.29	0.02	0.12	0.31	0.08	0.38	-0.01	0.39	0.22	0.25	-0.13	0.16	-0.01	0.56	0.00	0.04	1.00																
Mg	-0.11	-0.15	0.64	0.00	0.46	0.19	-0.17	0.41	-0.14	0.10	0.52	0.09	-0.09	0.33	-0.01	0.29	0.10	1.00															
Mn	0.16	0.24	0.00	0.30	0.05	0.09	0.01	0.10	0.57	0.59	-0.05	0.35	0.33	0.25	0.04	-0.03	0.40	0.07	1.00														
Mo	-0.10	0.07	-0.01	0.02	0.15	-0.17	-0.08	-0.24	0.02	0.08	0.20	0.04	0.25	-0.28	-0.08	0.20	-0.07	0.07	-0.02	1.00													
Na	0.06	-0.07	0.49	0.07	0.08	0.35	0.03	0.59	-0.08	-0.20	-0.07	0.10	-0.10	0.25	-0.03	0.29	0.05	0.13	-0.23	-0.05	1.00												
Ni	-0.14	0.20	0.03	0.04	0.04	-0.11	-0.03	-0.37	0.44	0.66	0.43	0.37	0.42	-0.27	-0.03	0.03	-0.13	0.07	0.37	0.15	-0.25	1.00											
P	0.08	-0.09	0.10	0.10	0.41	-0.06	0.00	0.45	-0.06	-0.03	0.03	0.01	0.20	0.22	0.18	0.41	0.25	0.28	0.13	0.12	0.22	-0.20	1.00										
Pb	0.12	0.84	-0.16	0.12	-0.09	0.00	0.12	-0.20	0.41	0.25	-0.07	0.24	0.30	-0.11	-0.01	0.06	0.01	-0.19	0.33	0.04	-0.09	0.24	-0.11	1.00									
Sb	-0.03	0.68	-0.12	-0.01	-0.06	0.00	-0.01	-0.09	0.13	0.07	-0.07	-0.02	0.11	-0.07	0.01	0.06	-0.03	-0.10	0.26	0.00	-0.06	0.05	-0.01	0.78	1.00								
Sc	0.10	-0.03	0.21	0.18	0.17	0.12	-0.07	0.29	0.00	0.25	0.17	0.08	0.23	0.49	0.01	0.19	0.56	0.40	0.52	0.04	-0.14	0.01	0.39	-0.04	-0.02	1.00							
Sr	0.08	-0.10	0.53	0.09	0.29	0.44	-0.05	0.69	-0.07	-0.06	-0.03	0.19	-0.25	0.42	-0.04	0.27	0.24	0.40	-0.01	-0.16	0.60	-0.26	0.26	-0.14	-0.07	0.08	1.00						
Ti	-0.14	-0.18	0.05	-0.10	0.41	-0.33	-0.12	0.00	-0.13	-0.11	0.32	-0.07	-0.18	-0.10	0.00	0.19	-0.30	0.44	-0.26	0.13	0.00	0.07	0.20	-0.19	-0.09	-0.14	0.06	1.00					
Tl	0.03	-0.10	0.07	0.02	0.03	0.12	0.02	0.22	0.02	-0.04	-0.01	0.00	-0.07	0.41	0.01	0.02	0.22	0.08	0.02	-0.13	0.12	-0.13	0.17	-0.06	0.04	0.18	0.15	0.08	1.00				
U	0.09	-0.04	0.22	0.10	-0.08	0.34	-0.01	0.35	-0.05	-0.16	-0.05	0.18	-0.32	0.25	0.00	-0.09	0.15	0.04	-0.14	-0.10	0.39	-0.19	-0.02	-0.08	-0.05	-0.08	0.45	0.02	0.17	1.00			
V	-0.07	-0.20	0.25	0.00	0.52	-0.08	-0.17	0.32	-0.13	-0.04	0.40	-0.04	-0.04	0.20	0.03	0.37	0.10	0.60	0.00	0.22	0.11	-0.11	0.68	-0.21	-0.08	0.40	0.19	0.48	0.15	-0.08	1.00		
W	0.38	0.22	-0.08	0.18	-0.01	-0.02	0.18	-0.03	-0.03	0.01	-0.09	0.02	0.20	0.01	0.02	0.11	0.12	-0.09	-0.07	0.08	0.09	-0.08	0.07	0.04	-0.01	-0.02	-0.01	-0.02	0.05	0.03	-0.14	1.00	
Zn	0.03	0.33	-0.11	0.17	-0.02	0.07	0.00	-0.09	0.94	0.60	-0.08	0.60	0.30	-0.03	-0.02	-0.02	0.23	-0.11	0.60	0.02	-0.11	0.55	-0.05	0.53	0.21	0.10	-0.09	-0.13	0.03	-0.07	-0.11	-0.07	

Kennecott Canada Exploration Incorporated
Soil Sample Percentiles 1994-1998

Percentile	Au ppb	Ag ppm	Al ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm
99th	611.90	4.80	3.89	3994.60	451.40	4.57	52.84	1.92	2.50	59.00	47.14
98th	391.70	2.66	3.74	2771.20	410.00	4.00	34.00	1.64	1.50	53.00	43.00
95th	245.00	1.34	3.31	1632.00	320.00	3.00	12.00	1.22	0.50	42.00	38.00
90th	145.00	0.60	3.07	1072.00	270.00	2.00	6.00	0.91	0.50	29.00	**35.00**
85th	87.75	**0.40**	2.87	783.00	230.00	2.00	**4.00**	0.72	0.32	25.00	33.00
80th	60.00	0.20	2.72	**594.80**	200.00	1.50	2.00	0.59	0.30	20.00	32.00
75th	**40.00**	0.20	2.56	463.00	190.00	1.50	2.00	0.48	0.30	18.50	31.00
70th	30.00	0.20	2.43	326.40	170.00	1.00	2.00	0.40	0.30	16.00	30.00
60th	15.00	0.10	2.22	196.00	150.00	1.00	1.00	0.28	0.30	13.00	29.00

Percentile	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni_ppm ppm
99th	735.54	11.61	30.00	2.00	0.55	141.40	1.34	3306.60	12.14	0.10	76.00
98th	562.16	10.55	20.00	1.00	0.45	120.00	1.05	2561.20	10.28	0.07	62.00
95th	314.90	8.59	20.00	1.00	0.35	80.00	0.86	1750.00	8.00	0.05	47.70
90th	206.80	6.69	10.00	1.00	0.27	70.00	0.73	1217.00	5.00	0.03	36.00
85th	**163.00**	5.83	10.00	**0.50**	0.22	60.00	0.67	990.50	4.00	0.03	**32.00**
80th	136.00	5.26	10.00	0.50	0.19	50.00	0.63	865.00	4.00	0.02	29.00
75th	115.00	4.72	10.00	0.50	0.17	50.00	0.60	740.00	3.00	0.01	26.00
70th	94.00	4.37	5.00	0.50	0.15	40.00	0.56	660.00	3.00	0.01	24.00
60th	67.60	3.76	5.00	0.50	0.12	30.00	0.51	538.00	2.00	0.01	21.00

Percentile	P_ppm ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti_% %	Tl ppm	U_ppm ppm	V_ppm ppm	W ppm	Zn_ppm ppm
99th	3365.40	595.28	60.28	17.00	455.00	0.13	5.00	72.80	135.42	81.40	429.36
98th	2955.20	357.04	46.00	14.28	351.56	0.12	5.00	60.00	117.12	43.12	258.96
95th	2358.00	152.00	24.00	11.00	257.40	0.10	5.00	30.00	98.10	10.00	176.00
90th	1774.00	96.00	14.00	9.00	192.40	0.09	5.00	20.00	79.40	**10.00**	138.00
85th	1491.00	**76.00**	**10.00**	7.00	149.00	0.08	5.00	10.00	72.00	5.00	**118.00**
80th	1328.00	61.60	8.00	6.00	106.00	0.07	5.00	5.00	68.00	5.00	102.00
75th	1220.00	54.00	6.00	6.00	87.50	0.07	5.00	5.00	65.00	5.00	90.00
70th	1120.00	50.00	6.00	5.00	74.00	0.06	5.00	5.00	61.00	5.00	86.00
60th	970.00	38.00	4.00	4.00	54.00	0.05	5.00	5.00	55.00	5.00	74.00

Kennecott Canada Exploration Incorporated
Descriptive Statistics for 1994-1998 Stream Samples-Fine Fraction

Descriptive Statistics	Au ppb	Ag ppm	As ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cu ppm	Fe %
Mean	42.13	0.42	478.19	219.80	3.23	0.71	0.90	25.44	159.17	3.89
Standard Error	5.26	0.06	47.36	9.99	0.40	0.03	0.12	3.53	18.77	0.09
Median	20.00	0.20	280.00	200.00	1.00	0.69	0.50	17.00	91.00	3.80
Mode	2.50	0.10	1060.00	200.00	1.00	0.49	0.50	14.00	28.00	4.64
Standard Deviation	52.90	0.57	475.95	100.43	4.00	0.29	1.18	35.50	188.64	0.93
Sample Variance	2798.55	0.32	226531.75	10085.96	16.04	0.08	1.39	1260.39	35583.26	0.87
Kurtosis	3.35	24.80	-0.58	24.34	7.54	-0.38	18.79	57.19	14.71	-0.46
Skewness	1.88	4.29	0.74	3.79	2.53	0.54	3.82	6.87	3.24	0.32
Range	242.50	4.30	1818.00	840.00	23.00	1.32	8.25	326.00	1289.00	4.00
Minimum	2.50	0.10	2.00	90.00	1.00	0.19	0.25	7.00	21.00	2.13
Maximum	245.00	4.40	1820.00	930.00	24.00	1.51	8.50	333.00	1310.00	6.13
Count	101.00	101.00	101.00	101.00	101.00	101.00	101.00	101.00	101.00	101.00

Descriptive Statistics	Ga ppm	Hg ppm	K %	Mg %	Mn ppm	Pb ppm	Sb ppm	U ppm	W ppm	Zn ppm
Mean	6.73	0.57	0.21	0.65	874.21	63.05	7.77	26.49	5.54	180.04
Standard Error	0.42	0.02	0.01	0.02	62.08	7.50	2.26	5.20	0.16	11.74
Median	5.00	0.50	0.19	0.66	750.00	48.00	2.00	5.00	5.00	142.00
Mode	5.00	0.50	0.17	0.66	660.00	52.00	1.00	5.00	5.00	150.00
Standard Deviation	4.21	0.21	0.08	0.19	623.90	75.36	22.73	52.27	1.57	118.00
Sample Variance	17.72	0.05	0.01	0.03	389256.87	5679.57	516.72	2732.27	2.45	13923.36
Kurtosis	5.36	20.72	0.61	1.26	26.73	29.01	71.89	47.72	4.59	6.37
Skewness	2.55	4.02	0.88	0.38	4.51	5.02	7.98	6.11	2.55	2.32
Range	15.00	1.50	0.42	1.04	5025.00	588.00	215.00	455.00	5.00	650.00
Minimum	5.00	0.50	0.07	0.28	165.00	4.00	1.00	5.00	5.00	66.00
Maximum	20.00	2.00	0.49	1.32	5190.00	592.00	216.00	460.00	10.00	716.00
Count	101.00	101.00	101.00	101.00	101.00	101.00	101.00	101.00	101.00	101.00

Kennecott Canada Exploration Incorporated
Correlation of 1994-1998 Stream Samples- Fine Fraction

Correlation for stream sample fine fractions above 40ppb gold (65th percentile)

Correlations:

Elements	Minimum Correlation
Ag-Bi-Pb-Sb	0.62
As-U	0.50
Cu-Zn	0.57

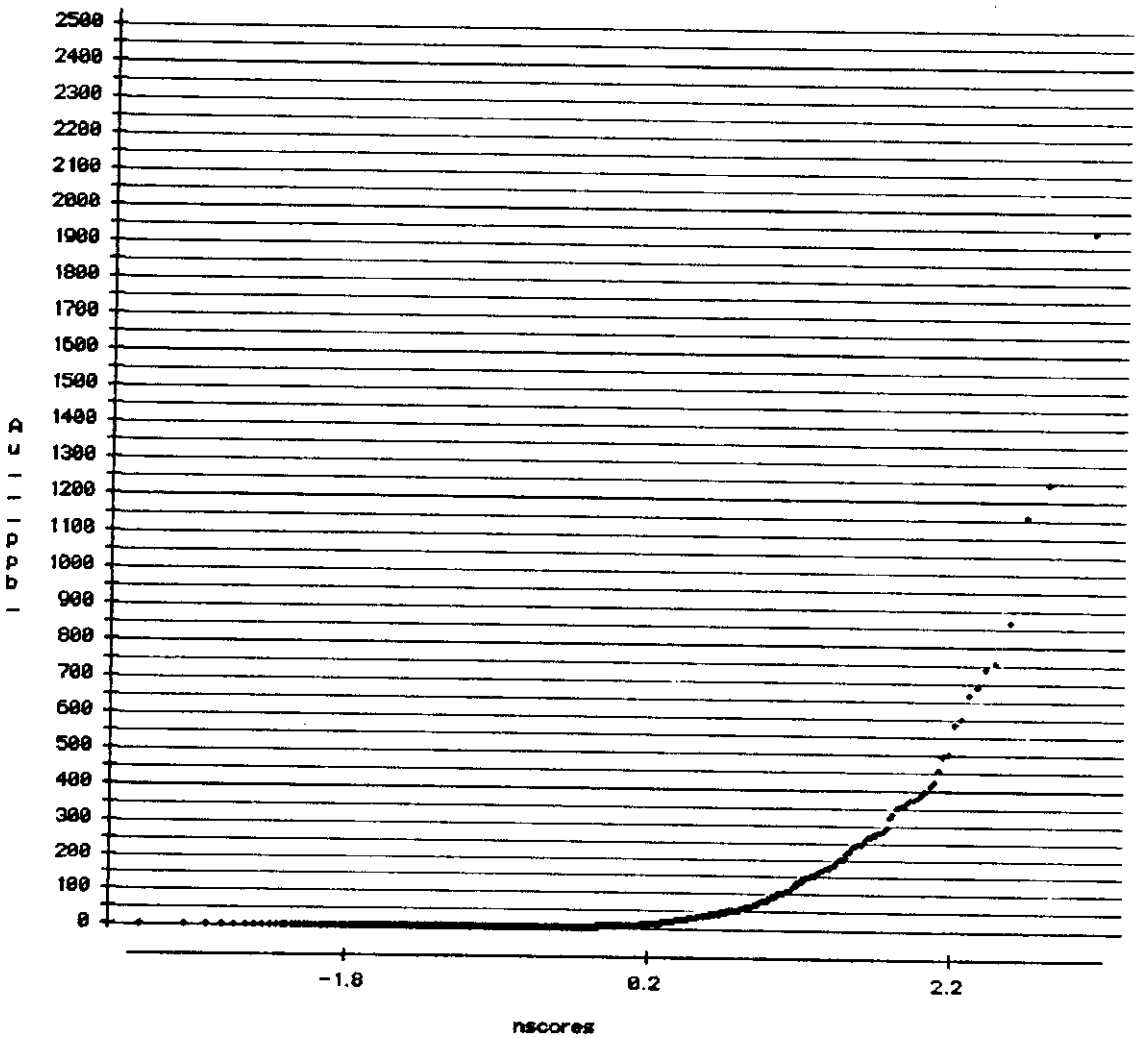
Element	Au	Ag	As	Ba	Bi	Ca	Cd	Co	Cu	Fe	Ga	Hg	K	Mg	Mn	Pb	Sb	U	W	Zn
Au	1.00																			
Ag	-0.05	1.00																		
As	0.25	-0.22	1.00																	
Ba	-0.15	-0.24	-0.14	1.00																
Bi	-0.05	0.62	-0.30	-0.44	1.00															
Ca	0.52	-0.27	0.47	0.25	-0.21	1.00														
Cd	-0.24	0.25	-0.13	-0.10	0.25	-0.39	1.00													
Co	-0.47	-0.05	0.01	0.07	0.02	-0.51	0.61	1.00												
Cu	-0.14	0.05	0.07	-0.27	0.18	-0.43	0.39	0.45	1.00											
Fe	-0.37	0.19	0.00	0.19	0.27	-0.38	0.47	0.59	0.27	1.00										
Ga	0.30	-0.19	0.41	0.01	-0.16	0.47	-0.33	-0.35	-0.22	-0.25	1.00									
Hg	0.01	-0.05	-0.02	0.22	-0.15	0.19	0.26	0.10	-0.01	0.03	0.04	1.00								
K	-0.42	0.03	-0.27	0.50	0.05	-0.27	0.41	0.57	0.23	0.60	-0.33	0.34	1.00							
Mg	0.08	-0.51	0.51	0.32	-0.31	0.55	-0.11	0.06	-0.06	0.12	0.24	0.20	0.05	1.00						
Mn	-0.39	-0.15	0.15	0.19	-0.13	-0.20	0.54	0.84	0.15	0.48	-0.06	0.15	0.41	0.26	1.00					
Pb	-0.01	0.87	-0.16	-0.25	0.73	-0.11	0.29	-0.04	-0.12	0.35	-0.04	-0.01	0.00	-0.33	-0.02	1.00				
Sb	-0.04	0.79	-0.16	0.02	0.53	-0.06	0.13	-0.07	-0.22	0.34	-0.07	-0.03	0.03	-0.24	0.04	0.87	1.00			
U	0.31	-0.20	0.50	-0.31	-0.04	0.51	-0.36	-0.39	-0.15	-0.48	0.76	-0.04	-0.54	0.22	-0.13	-0.06	-0.20	1.00		
W	0.06	-0.21	0.21	0.31	-0.28	0.37	-0.30	-0.30	-0.29	-0.13	0.79	0.16	-0.19	0.34	0.02	-0.07	0.03	0.51	1.00	
Zn	-0.38	0.09	-0.05	-0.03	0.12	-0.48	0.86	0.77	0.57	0.52	-0.32	0.16	0.46	0.06	0.69	0.10	0.03	-0.37	-0.27	1.00

Kennecott Canada Exploration Incorporated
1994-1998 Stream Sample Percentiles-Fine Fraction

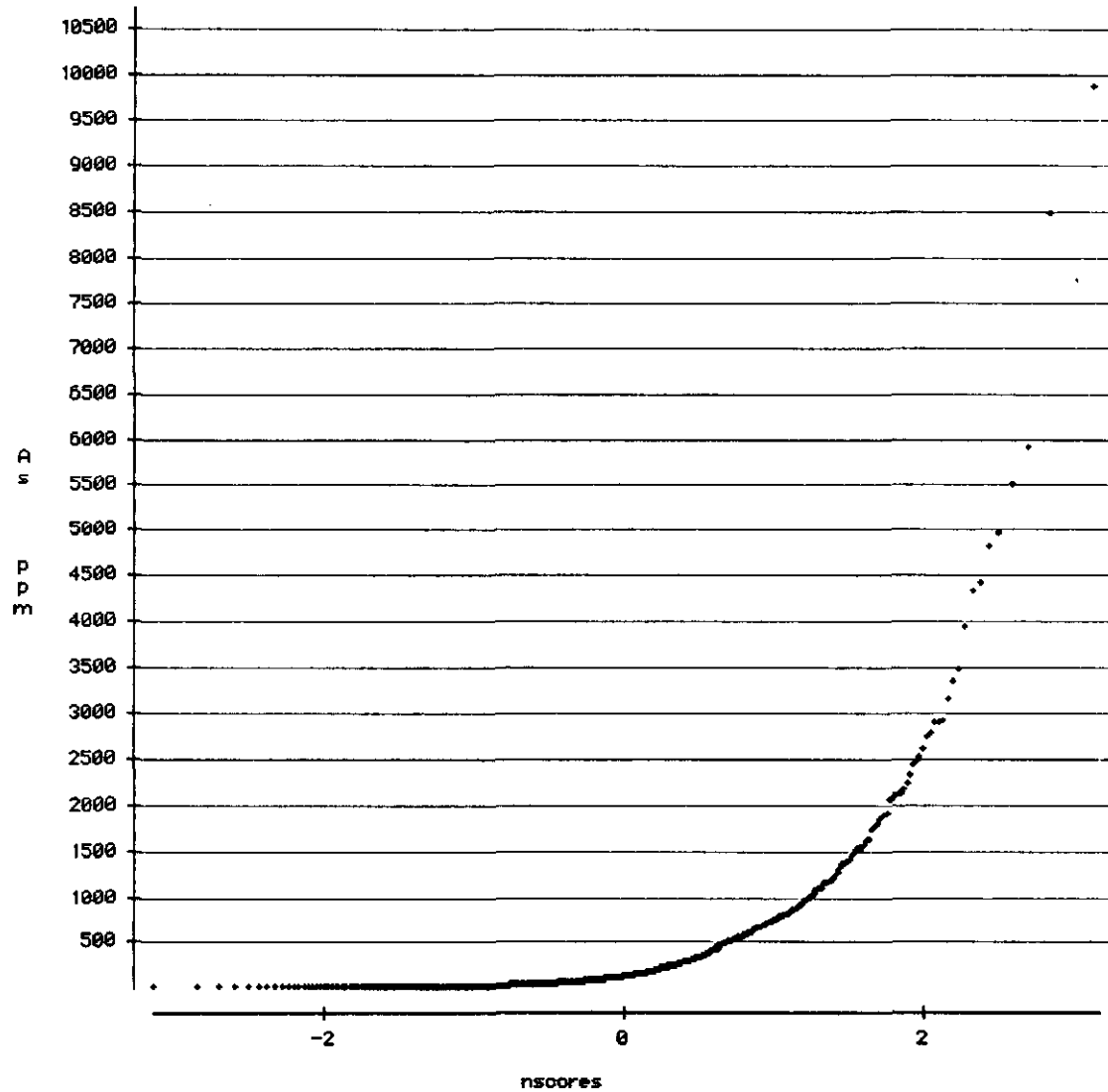
Percentile	Au_ppb	Ag_ppm	As_ppm	Ba_ppm	Bi_ppm	Ca_%	Cd_ppm	Co_ppm	Cu_ppm	Fe_%
99th	230	2.4	1725	450	14	1.34	5	99	863	6.06
98th	180	2	1380	420	14	1.33	4.5	88	620	5.8
95th	165	1.2	1220	340	12	1.21	2.5	71	432	5.56
90th	110	0.8	1150	320	8	1.12	2	44	386	5.25
85th	85	0.6	1065	290	8	1.06	1.5	36	302	4.86
80th	70	0.6	1000	270	4	0.96	1	26	232	4.64
75th	60	0.6	868	250	4	0.88	1	22	204	4.5
70th	45	0.4	756	240	2	0.84	0.5	21	161	4.41
65th	40	0.4	686	230	2	0.8	0.5	19	139	4.21
60th	35	0.4	436	220	2	0.75	0.5	18	117	4.09
55th	30	0.2	378	220	2	0.72	0.5	18	100	3.88
50th	20	0.2	280	200	1	0.69	0.5	17	91	3.8
45th	15	0.2	232	200	1	0.61	0.5	15	78	3.72

Percentile	Ga_ppm	Hg_ppm	K_%	Mg_%	Mn_ppm	Pb_ppm	Sb_ppm	U_ppm	W_ppm	Zn_ppm
99th	20	1	0.44	1.19	3810	388	46	140	10	668
98th	20	1	0.43	1.08	1875	356	38	110	10	488
95th	20	1	0.34	0.93	1670	134	34	100	10	408
90th	10	1	0.32	0.86	1310	78	12	60	10	346
85th	10	0.5	0.31	0.8	1195	70	8	40	5	288
80th	5	0.5	0.28	0.77	1040	66	6	30	5	228
75th	5	0.5	0.26	0.75	935	64	6	20	5	200
70th	5	0.5	0.25	0.74	905	58	4	20	5	174
65th	5	0.5	0.24	0.72	835	56	4	20	5	158
60th	5	0.5	0.21	0.71	810	52	4	20	5	152
55th	5	0.5	0.2	0.69	780	52	4	10	5	150
50th	5	0.5	0.19	0.66	750	48	2	5	5	142
45th	5	0.5	0.18	0.65	705	46	2	5	5	136

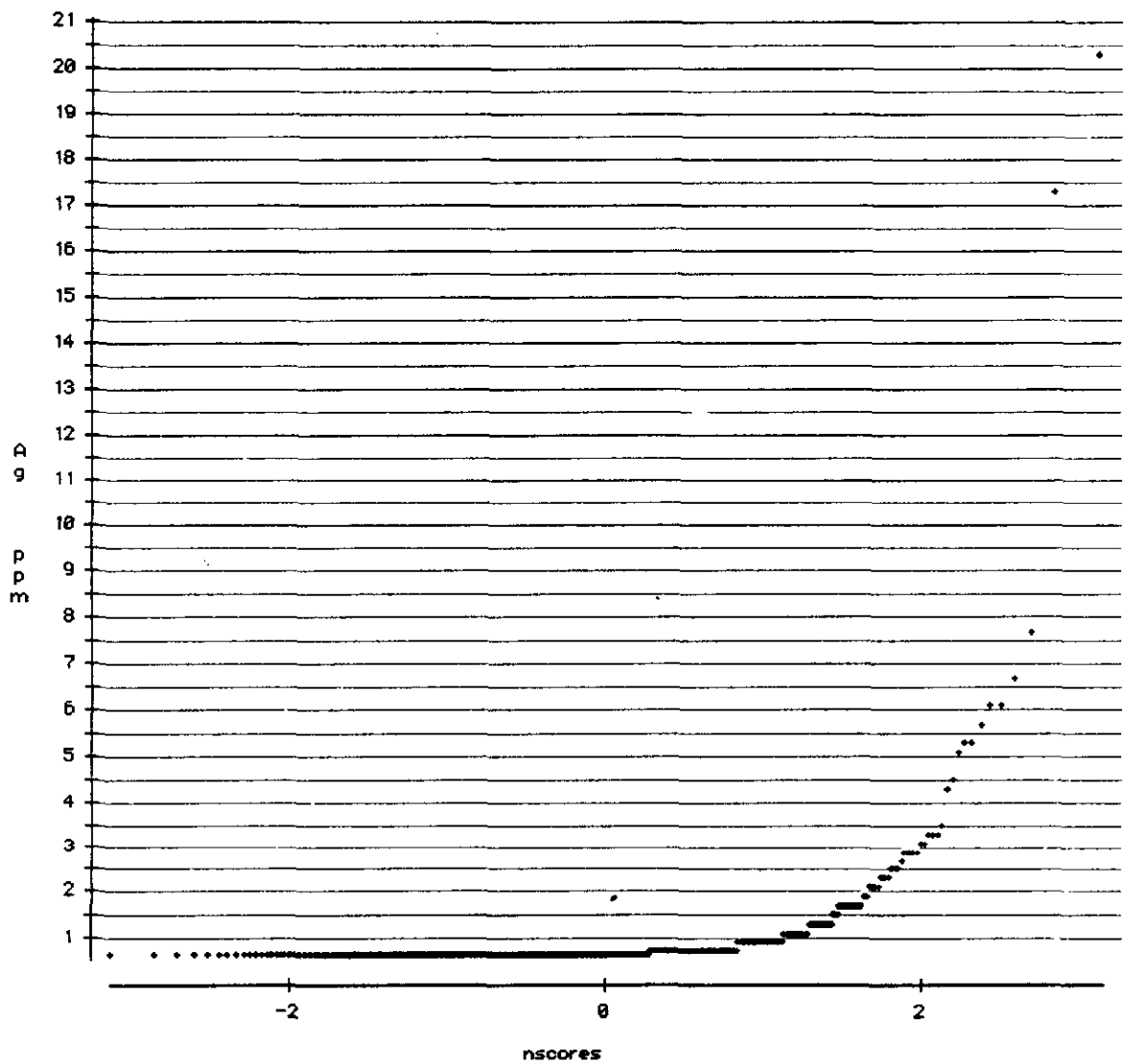
Normal Probability Plot for Gold



Normal Probability Plot for Arsenic
1994-1998 Soil Samples

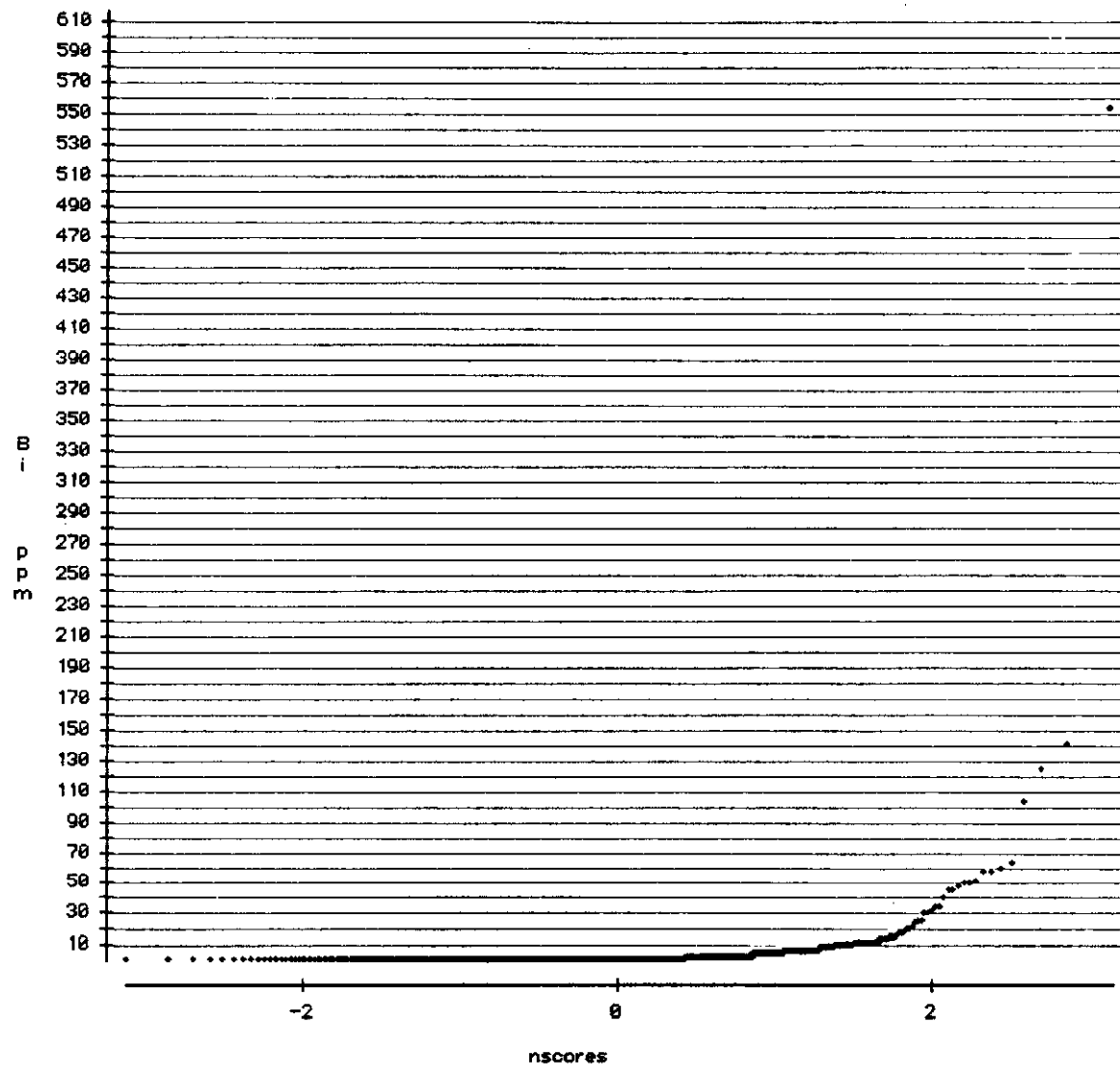


Normal Probability Plot for Silver
1994-1998 Soil Samples

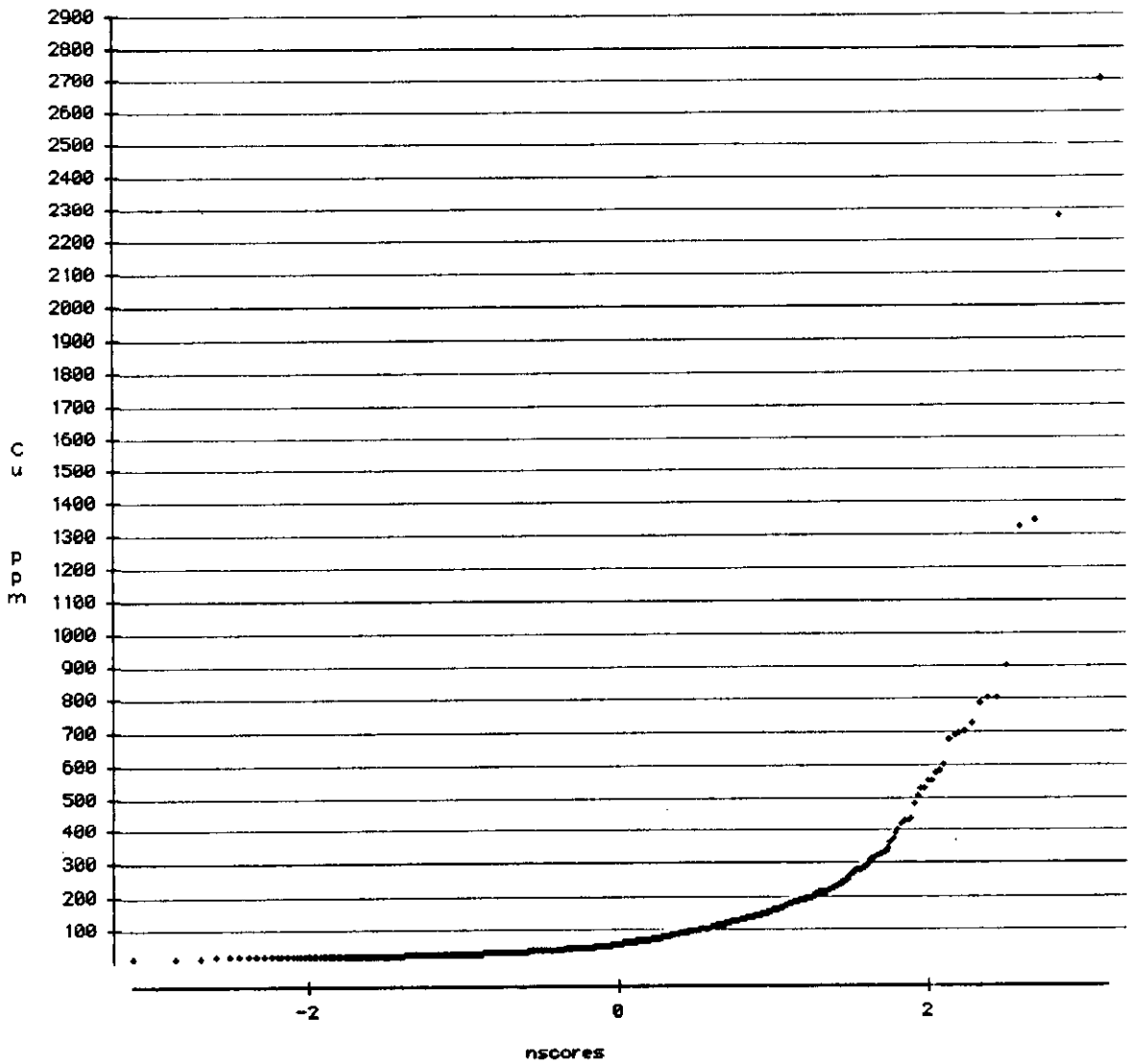


1994-1998 Soil Samples

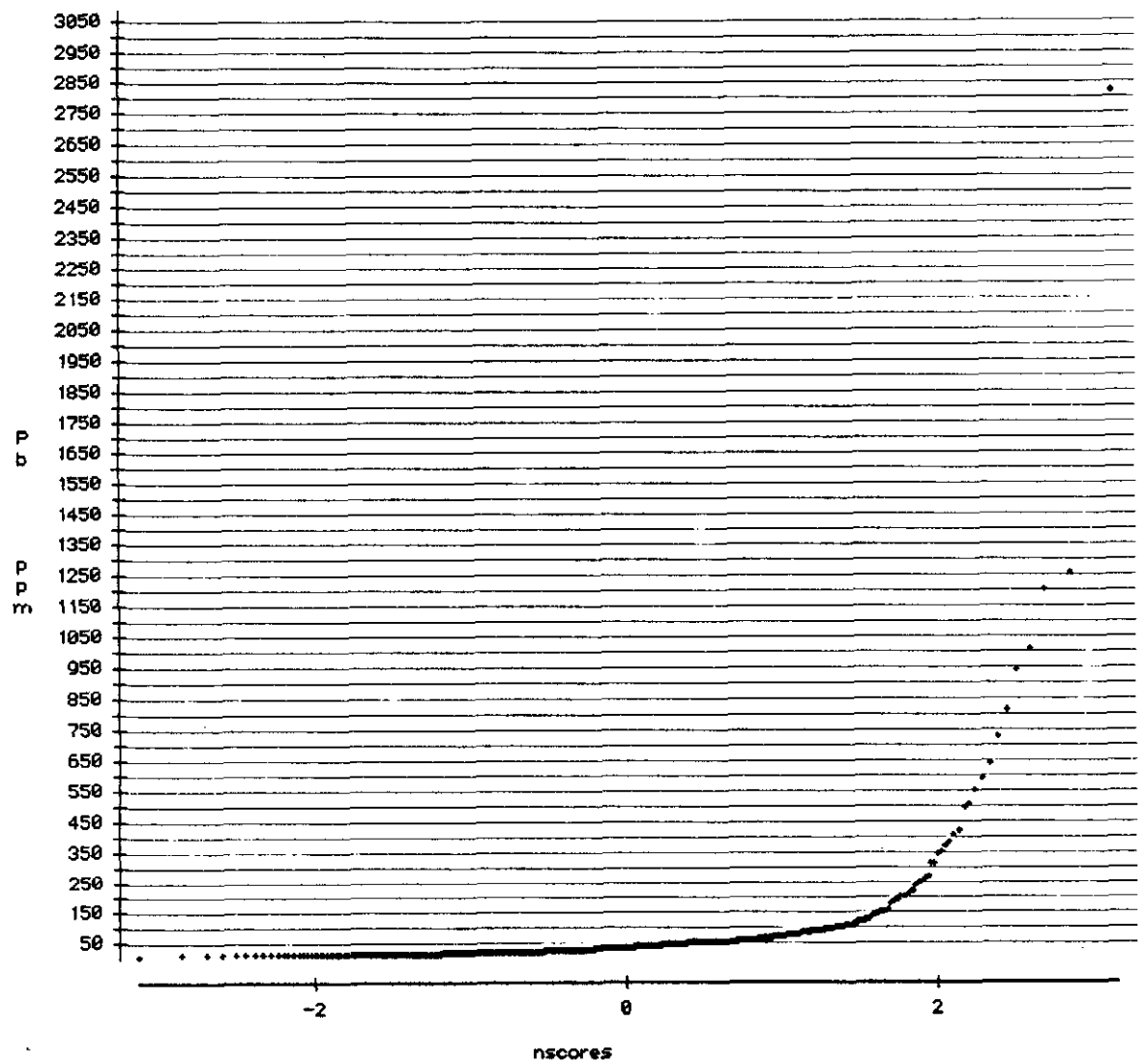
Normal Probability Plot for Bismuth



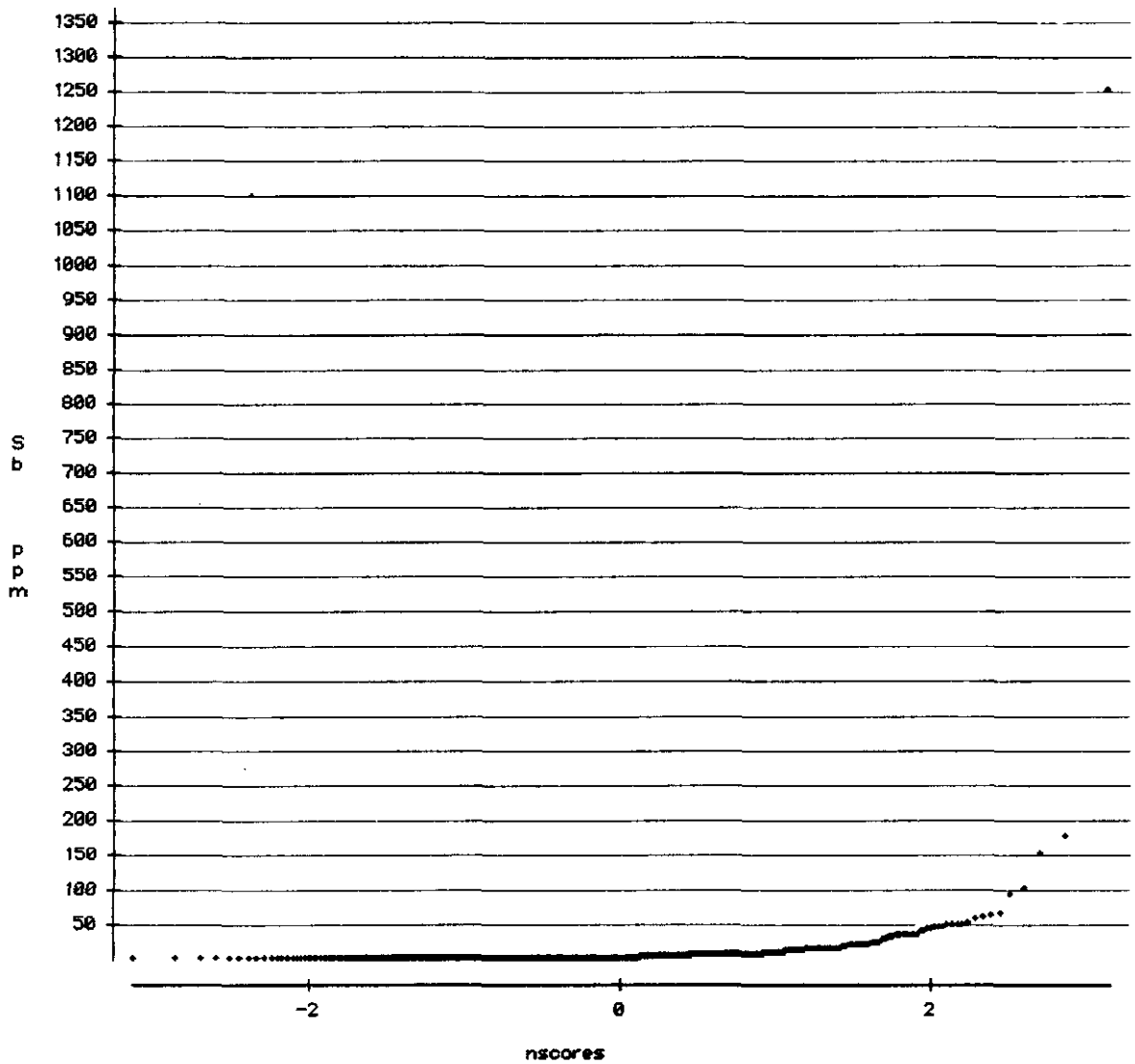
Normal Probability Plot for Copper
1994-1998 Soil Samples



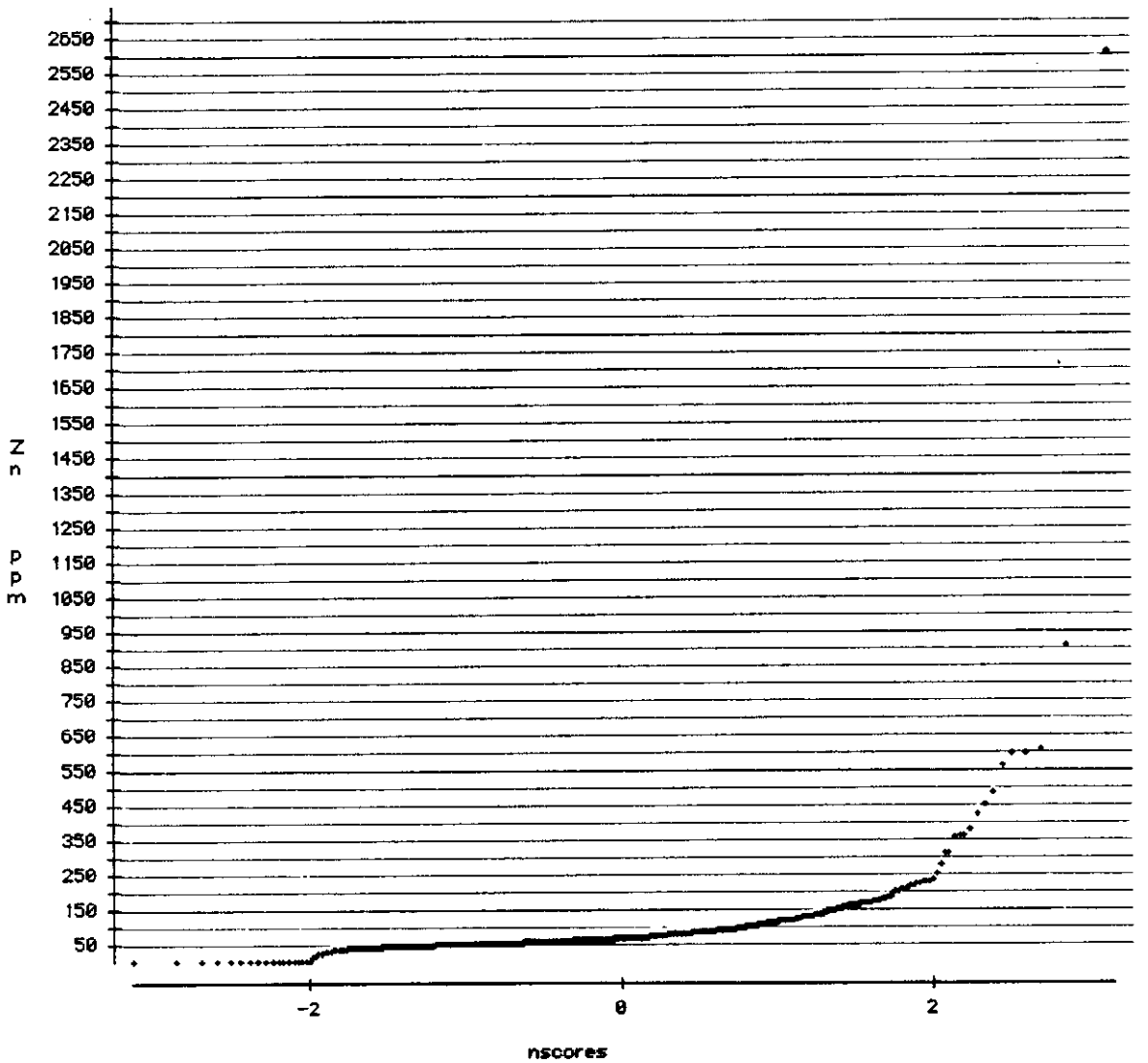
Normal Probability Plot for Lead
1994-1998 Soil Samples



Normal Probability Plot for Antimony
1994-1998 Soil Samples



Normal Probability Plot for Zinc
1994-1998 Soil Samples



APPENDIX D

SOIL SAMPLE ANALTICAL RESULTS

APPENDIX D 1998 SOIL SAMPLE ANALYTICAL RESULTS

Copies of the Chemex analytical certificates are included in appendix D.
Seven of the 490 soils taken in 1998 are duplicate samples to check on the reliability of analysis by Chemex.

Sample #	Duplicate of Sample #
VR57576	VR57575
VR57680	VR57679
VR57716	VR57715
VR58126	VR58125
VR58311	VR58310
VR58350	VR58349
VR80549	VR80548

KENNECOTT CANADA EXPLORATION INC.

ANTIMONY MOUNTAIN PROPERTY- 1998 SOIL SAMPLE ANALYTICAL RESULTS

SAMPLE	Certificate	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
Number	Number	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
VR53363	A9828573	100	0.1	2.16	516	130	0.5	1	0.32	0.3	14	25	64	3.03	5	0.5	0.07	30	0.43	350	3	0.01	19	1120	18	1	3	36	0.08	5	5	69	5	58
VR53364	A9828573	145	0.1	1.97	556	260	0.5	1	0.56	0.5	16	26	115	3.21	5	0.5	0.16	40	0.61	540	3	0.01	20	1710	18	1	5	58	0.1	5	5	75	5	74
VR53365	A9828573	80	0.1	1.99	546	230	1.5	1	0.44	0.3	13	25	93	3.21	5	0.5	0.12	40	0.58	525	3	0.01	20	1220	18	1	4	52	0.08	5	5	64	5	78
VR53366	A9828573	145	0.4	2.79	312	380	1	1	1.5	0.3	6	61	153	6.41	5	0.5	0.59	40	0.76	380	9	0.09	10	5130	28	14	6	168	0.03	5	5	234	5	52
VR53367	A9828573	30	0.1	3.22	272	340	2	1	0.77	0.3	15	19	103	3.73	5	0.5	0.23	40	0.73	1040	2	0.01	16	970	18	4	6	214	0.04	5	5	45	5	68
VR53368	A9828573	10	0.1	2.23	136	170	0.5	1	0.28	0.3	9	31	46	2.97	5	0.5	0.11	20	0.67	350	3	0.01	21	710	12	2	5	34	0.1	5	5	66	5	52
VR53369	A9828573	3	0.1	1.55	54	80	0.3	1	0.07	0.3	6	25	19	3.4	10	0.5	0.08	10	0.18	245	3	0.01	14	400	12	1	3	12	0.08	5	5	77	5	36
VR53370	A9828573	3	0.1	1.73	82	80	0.3	1	0.09	0.5	6	26	24	3.28	5	0.5	0.07	10	0.31	195	1	0.01	18	370	12	2	3	13	0.07	5	5	62	5	52
VR53371	A9828573	10	0.1	2.76	96	150	0.5	1	0.13	0.3	19	33	37	3.38	5	0.5	0.07	10	0.54	775	1	0.01	23	930	14	2	3	20	0.06	5	5	56	5	80
VR53372	A9828573	3	0.1	2.29	140	140	0.5	1	0.18	0.3	11	32	46	3.2	5	0.5	0.1	10	0.6	420	4	0.01	22	970	16	2	4	29	0.06	5	5	70	5	58
VR53373	A9828573	15	0.1	1.91	130	130	0.5	1	0.23	0.3	10	25	42	2.66	5	0.5	0.07	10	0.52	275	4	0.01	21	800	10	1	3	30	0.06	5	5	54	5	54
VR53374	A9828573	3	0.1	2.19	42	130	0.5	1	0.19	0.3	10	26	39	2.72	5	0.5	0.07	20	0.54	255	2	0.01	23	600	16	2	3	25	0.07	5	5	52	5	48
VR53375	A9828573	3	0.1	1.86	36	120	0.3	1	0.14	0.3	9	28	28	2.74	5	0.5	0.09	10	0.5	220	3	0.01	19	490	16	1	3	23	0.07	5	5	55	5	46
VR53376	A9828573	3	0.1	2.03	52	90	0.5	1	0.13	0.3	10	29	31	3.24	5	0.5	0.11	30	0.49	335	3	0.01	24	630	20	4	3	18	0.07	5	5	60	5	48
VR53377	A9828573	20	0.2	1.98	100	140	1.5	2	0.14	0.3	19	26	132	3.7	5	0.5	0.13	50	0.43	435	3	0.02	41	880	26	4	2	54	0.04	5	5	49	5	66
VR53378	A9828573	20	0.2	2.74	476	100	1.5	2	0.43	0.5	25	25	120	4.7	5	0.5	0.22	30	0.66	305	10	0.03	34	730	90	10	4	125	0.06	5	5	88	5	98
VR53379	A9828573	40	0.8	2.73	668	180	0.5	1	0.17	0.3	10	33	213	9.27	5	0.5	0.29	20	0.53	370	20	0.06	28	2750	60	14	5	153	0.05	5	5	106	10	66
VR53380	A9828573	35	1	2.64	208	210	0.5	1	0.15	0.3	6	45	227	7.18	10	1	0.36	10	0.74	355	13	0.03	19	2330	42	8	5	70	0.07	5	5	141	5	50
VR53381	A9828573	45	1.2	2.22	444	170	0.3	4	0.16	0.3	9	41	198	7.83	5	0.5	0.37	10	0.86	470	11	0.01	21	1600	42	8	9	53	0.07	5	5	106	5	52
VR53382	A9828573	3	0.1	1.81	12	130	0.3	1	0.12	0.3	10	28	22	3.01	5	0.5	0.05	10	0.51	435	1	0.01	22	670	14	1	1	12	0.03	5	5	49	5	54
VR53383	A9828573	3	0.1	1.83	10	110	0.3	1	0.16	0.3	11	27	30	2.98	5	0.5	0.06	10	0.51	560	2	0.01	22	580	12	1	3	15	0.05	5	5	47	5	60
VR57567	A9823580	3	0.1	1.76	64	170	1.5	1	0.05	0.3	15	25	68	7.39	5	0.5	0.3	60	0.44	310	3	0.06	19	1730	26	6	6	154	0.06	5	10	59	5	60
VR57568	A9823580	3	0.1	1.59	44	170	1.5	1	0.04	0.3	9	25	45	5.76	5	0.5	0.36	30	0.45	340	1	0.03	14	890	52	4	3	54	0.01	5	10	25	5	62
VR57569	A9823580	45	19.8	1.51	408	80	2	1	0.06	3	29	22	78	5.51	5	0.5	0.18	30	0.36	2380	3	0.01	30	900	2820	1255	4	24	0.02	5	10	30	5	564
VR57570	A9823580	10	0.2	2.24	184	180	3	2	0.14	0.3	44	25	94	7.53	5	0.5	0.32	40	0.52	985	2	0.05	48	1050	106	14	4	71	0.03	5	5	27	5	142
VR57571	A9823580	15	0.4	2.2	470	150	2	1	0.04	0.3	25	26	93	9.64	5	0.5	0.27	50	0.48	825	3	0.02	30	1280	120	22	5	51	0.03	5	10	31	5	130
VR57572	A9823580	5	0.2	2.49	264	150	2.5	1	0.16	0.5	45	28	85	7.25	5	0.5	0.35	50	0.6	990	3	0.05	44	1130	202	8	5	88	0.04	5	10	34	5	220
VR57573	A9823580	3	0.1	1.7	54	140	1.5	1	0.09	0.3	19	25	92	12	5	0.5	0.29	80	0.34	265	1	0.04	22	2000	46	2	4	67	0.03	5	10	26	5	84
VR57574	A9823580	15	0.2	2.92	76	120	5	1	0.06	0.3	55	23	93	10.45	5	0.5	0.28	40	0.32	855	1	0.03	66	1220	120	10	5	52	0.02	5	10	22	5	178
VR57575	A9823580	3	0.2	0.81	226	80	0.5	2	0.01	0.3	4	27	64	13.6	5	0.5	0.13	30	0.09	110	3	0.01	10	1490	240	28	2	21	0.01	5	5	11	5	86
VR57577	A9823580	3	0.1	1.77	32	160	1.5	1	0.13	0.3	12	24	28	4.15	5	0.5	0.21	40	0.37	300	3	0.03	26	690	58	2	3	50	0.04	5	5	31	5	78
VR57578	A9823580	3	0.2	1.63	158	160	1	1	0.05	0.3	11	25	41	4.74	5	0.5	0.27	40	0.39	350	1	0.02	19	660	68	8	3	34	0.03	5	5	30	5	72
VR57579	A9823580	10	0.2	3.19	140	90	4	1	0.41	0.5	74	37	179	11.5	10	0.5	0.07	60	1.37	2130	6	0.01	46	1800	162	18	13	58	0.14	5	10	69	5	146
VR57580	A9823580	3	0.1	2.42	36	110	0.5	1	0.25	0.3	10	28	29	3.35	5	0.5	0.12	10	0.37	285	1	0.01	22	580	82	4	3	45	0.07	5	5	38	5	58
VR57581	A9823580	5	0.6	1.27	78	140	1	6	0.21	0.3	21	24	78	4.65	5	0.5	0.17	60	0.43	725	1	0.01	29	590	80	24	5	35	0.03	5	5	36	5	90
VR57582	A9823580	3	0.1	2	20	110	1.5	1	0.39	0.3	30	21	35	3.07	5	0.5	0.16	10	0.43	495	2	0.01	33	610	58	2	2	122	0.02	5	5	28	5	78
VR57583	A9823580	5	0.2	2	28	130	1	1	0.31	0.3	19	28	28	3.37	5	0.5	0.07	30	0.46	510	3	0.01	33	660	38	12	3	41	0.02	5	5	35	5	94
VR57584	A9823580	3	0.1	1.25	10	110	0.5	1	0.09	0.3	9	21	21	3.27	5	0.5	0.05	20	0.34	400	1	0.01	21	500	22	2	2	12	0.01	5	5	33	5	56
VR57585	A9823580	3	0.1	2.2	54	170	1	1	0.17	0.3	9	32	84	5.35	5	0.5	0.19	30	0.6	220	5	0.05	18	1620	26	8	7	103	0.09	5	10	67	5	48
VR57586	A9823580	30	0.1	1.54	138	180	3	2	0.29	0.3	11	13	148	4.05	5	0.5	0.11	210	0.26	395	4	0.01	19	1210	26	10	11	67	0.01	5	10	52	5	40
VR57587	A9823580	3	0.1	1.96	48	130	0.5	1	0.13	0.3	6	31	35	3.11	5	0.5	0.18	10	0.57	250	3	0.01	16	780	16	2	3	32	0.07	5	5	75	5	50
VR57588	A9823580	25	0.1	1.98	212	150	1.5	1	0.08	0.3	12	25	97	4.26	5	0.5	0.13	50	0.36	335	5	0.01	18	840	38	18	4	32	0.03	5	5	47	5	54
VR57589	A9823580	280	0.1	1.83	118	180	2	1	0.07	0.3	13	25	96	4.27	5	0.5	0.17	60	0.47	270	4	0.01	23	770	36	14	6	27	0.05	5	20	51	5	62
VR57590	A9823580	10	0.1	1.18	44	80	0.3	1	0.07	0.3	5	19	22	2.77	5	0.5	0.07	30	0.26	180	2	0.01	13	360	14	4	1	13	0.04	5	5	38	5	40
VR57591	A9823580	10	0.1	1.18	56	80	0.3	1	0.07	0.3	6	22	27	3.21	5	0.5	0.07	30	0.3	215	1	0.01	15	340	14	4	2	15	0.05	5	5	41	5	42
VR57592	A9823580	10	1.2	1.35	80	90	0.3	10	0.09	0.3	8	20	27	2.94	5	0.5	0.08	30	0.28	270	3	0.01	16	420	78	10	2	14	0.04	5	5	34	5	46
VR57593	A9823580	5	0.1	1.1	30	110	0.3	1	0.07	0.3	7	20	37	3.13	5	0.5	0.11	40	0.26	250	1	0.01	16	450	12	6	2	15	0.03	5	5	38	5	48
VR57594	A9823580	10	0.1	1.19	46	90	0.3	1	0.06	0.3	9	22	26	2.82	5	0.5	0.07	20	0.29	370	1	0.01	15	540	12	4	1	10	0.03	5	5	39	5	52
VR57595	A9823580	20	0.1	1.4	72	120	0.5	1	0.06	0.3	14	21	52	3.35	5	0.5	0.1	30	0.32	420	1	0.01	17	570	20	10	1	22	0.03	5	5	35	5	54
VR57596	A9823580	30	0.2	0.85	262	100	0.3	2	0.1	0.3	9	18	65	2.99	5	0.5	0.08	40	0.26	260	1	0.01	16	600	20	10	1	30	0.02	5	5	28	5	44
VR57597	A9823580	10	0.2	0.89	74	100	0.5	1	0.08	0.3	8	14	67	2.9	5	0.5	0.09	40	0.2	240	3	0.01	17	500	20	8	1	18	0.01	5	5	24	5	48
VR57598	A9823580	3	0.2	1.04	38	70	0.3	1	0.06	0.3	5	15	29	2.51	5	0.5	0.06	30	0.19	185	1	0.01	11	480	12	4	1	11	0.01	5	5	28	5	40

KENNECOTT CANADA EXPLORATION INC.

ANTIMONY MOUNTAIN PROPERTY- 1998 SOIL SAMPLE ANALYTICAL RESULTS

SAMPLE	Certificate	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
Number	Number	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
VR57622	A9826797	5	0.6	2.38	40	300	1	1	0.61	0.3	13	32	39	4.39	1	0.5	0.21	30	1.03	665	3	0.01	22	970	50	4	8	45	0.09	1	1	81	1	112
VR57623	A9826797	3	0.1	1.81	22	100	0.3	1	0.1	0.3	7	29	18	2.9	1	1	0.06	10	0.39	285	1	0.01	17	490	20	1	2	14	0.04	1	1	45	1	56
VR57624	A9826797	10	0.1	1.38	14	80	0.3	1	0.13	0.3	8	27	16	3.19	1	0.5	0.07	20	0.4	375	1	0.01	19	500	16	1	3	14	0.06	1	1	47	1	56
VR57625	A9826797	10	0.1	2.55	42	100	0.5	1	0.2	0.3	14	29	31	3.47	1	0.5	0.09	10	0.44	425	1	0.01	28	560	40	2	4	25	0.07	1	1	46	1	72
VR57626	A9826797	35	0.2	2.79	188	90	0.3	2	0.06	0.3	6	26	130	9.38	1	0.5	0.27	20	0.44	165	2	0.02	20	800	82	4	4	121	0.05	1	1	39	1	52
VR57627	A9826797	80	1.2	2.06	1635	170	0.5	1	0.03	0.3	8	24	327	5.28	1	0.5	0.21	40	0.27	200	4	0.01	17	670	54	12	5	53	0.01	1	1	28	1	44
VR57628	A9826797	25	0.2	1.56	208	90	0.5	1	0.05	0.3	29	18	117	4.48	1	0.5	0.1	20	0.28	545	3	0.01	31	620	38	2	3	63	0.01	1	1	25	1	58
VR57629	A9826797	245	4	2.13	822	170	1	4	0.07	2	21	27	325	5.47	1	1	0.21	50	0.36	810	4	0.01	32	760	1205	6	5	47	0.03	1	1	41	1	426
VR57630	A9826797	15	0.1	2.13	104	110	0.5	1	0.09	0.3	12	28	85	3.35	1	0.5	0.09	10	0.45	395	4	0.01	23	750	20	1	2	18	0.05	1	1	50	1	62
VR57631	A9826797	1940	18.8	1.58	4960	170	0.5	46	0.07	0.3	15	24	488	6.09	1	0.5	0.23	50	0.35	365	7	0.01	26	820	730	26	4	34	0.04	1	1	38	80	106
VR57632	A9826797	50	0.2	2.44	104	250	2	1	0.29	0.3	15	22	163	5.46	1	0.5	0.24	80	0.49	505	3	0.01	17	650	28	1	4	52	0.01	1	1	25	1	52
VR57633	A9826797	110	0.6	1.69	446	110	0.5	1	0.18	0.5	22	23	247	5.52	1	0.5	0.08	40	0.39	980	2	0.01	34	690	34	8	3	20	0.03	1	1	40	1	90
VR57634	A9826797	55	0.8	1.82	172	80	0.5	2	0.15	0.3	18	29	126	4.74	1	0.5	0.07	40	0.43	1075	3	0.01	31	1090	64	2	4	19	0.04	1	1	57	1	112
VR57635	A9826797	3	0.1	1.95	84	110	1	1	0.14	0.5	21	27	39	7.38	1	0.5	0.07	30	0.34	1770	2	0.01	31	710	50	1	4	15	0.04	1	1	49	1	92
VR57636	A9826797	3	0.1	1.99	58	100	0.5	2	0.12	0.3	14	28	30	3.51	1	0.5	0.07	20	0.4	550	1	0.01	24	420	28	1	3	16	0.06	1	1	42	1	66
VR57637	A9826797	3	0.1	1.65	62	70	0.3	1	0.09	0.3	7	26	25	3.27	1	0.5	0.05	10	0.27	220	3	0.01	18	400	16	2	2	11	0.07	1	1	65	1	44
VR57638	A9826797	3	0.1	2.08	70	100	0.3	1	0.12	0.3	10	32	38	3.41	1	0.5	0.07	10	0.49	325	2	0.01	22	580	14	2	3	15	0.07	1	1	58	1	60
VR57639	A9826797	5	0.1	2.03	84	90	0.3	1	0.09	0.3	9	29	43	2.89	1	0.5	0.05	10	0.5	240	1	0.01	21	560	10	1	3	12	0.05	1	1	48	1	60
VR57640	A9826797	3	0.1	1.55	72	50	0.3	1	0.07	0.3	5	22	15	2.73	1	1	0.04	10	0.25	200	2	0.01	11	330	10	1	2	9	0.05	1	1	48	1	34
VR57641	A9826797	10	0.1	1.72	226	80	0.3	1	0.11	0.3	9	24	35	2.86	1	0.5	0.08	10	0.32	300	3	0.01	14	650	18	1	2	18	0.05	1	1	54	1	44
VR57642	A9826797	95	0.2	2.07	656	120	1.5	1	0.21	0.3	24	26	128	3.74	1	0.5	0.15	30	0.53	900	3	0.01	22	800	48	1	3	45	0.04	1	1	54	1	94
VR57678	A9829268	80	1.8	2.51	990	130	1.5	10	0.19	0.3	37	38	195	7.51	5	0.5	0.15	30	0.48	830	4	0.01	45	1000	138	22	7	46	0.04	5	5	52	5	178
VR57679	A9829268	60	0.6	3.04	212	140	1.5	1	0.33	0.5	40	32	112	7.62	5	0.5	0.17	40	0.5	1270	0.5	0.02	59	620	84	8	7	95	0.04	5	5	38	5	162
VR57680	A9829268	70	0.4	2.89	236	130	1.5	2	0.32	0.5	39	32	111	7.79	5	0.5	0.17	30	0.47	1190	1	0.01	57	610	80	8	7	92	0.04	5	5	37	5	158
VR57681	A9829268	40	1	2.99	538	150	1.5	18	0.25	0.3	36	31	123	6.62	5	0.5	0.12	20	0.54	925	3	0.02	49	960	152	24	4	118	0.04	5	5	47	5	174
VR57682	A9829268	75	0.6	2.89	318	130	1	1	0.28	0.3	20	40	269	5.54	5	0.5	0.18	50	0.65	535	33	0.01	38	1450	74	2	6	75	0.09	5	30	61	5	108
VR57683	A9829268	20	0.2	2.77	142	150	2	1	0.48	0.3	53	34	105	6.16	5	0.5	0.24	50	0.67	1420	3	0.01	64	940	78	8	11	124	0.06	5	5	59	5	138
VR57684	A9829268	20	0.1	2.95	64	150	1.5	1	0.82	0.3	28	29	79	5.74	5	0.5	0.14	30	0.6	900	2	0.05	42	680	60	6	6	217	0.08	5	5	40	5	128
VR57685	A9829268	3	0.1	3.89	30	130	0.5	1	0.22	0.3	13	35	22	3.31	5	0.5	0.08	10	0.41	510	4	0.01	25	620	42	1	4	22	0.11	5	5	67	5	100
VR57686	A9829268	3	0.2	2.22	24	230	1.5	1	0.3	0.5	27	33	52	4.18	5	0.5	0.16	30	0.53	1250	3	0.01	36	770	76	1	6	71	0.06	5	5	47	5	118
VR57711	A9823580	3	0.1	1.91	14	130	2	1	0.47	0.3	17	30	37	3	5	0.5	0.58	30	0.76	255	1	0.01	33	500	8	6	5	42	0.01	5	5	24	5	26
VR57712	A9823580	3	0.1	1.23	10	150	0.5	1	0.04	0.3	8	20	24	3.57	5	0.5	0.26	30	0.36	215	0.5	0.03	14	510	20	8	2	69	0.02	5	10	27	5	38
VR57713	A9823580	3	0.2	1.14	12	200	0.5	1	0.03	0.3	8	21	40	6.2	5	0.5	0.26	70	0.28	205	1	0.05	14	910	48	10	3	65	0.01	5	10	25	5	50
VR57714	A9823580	3	0.1	1.23	14	80	0.5	1	0.05	0.3	12	20	35	3.44	5	0.5	0.13	40	0.27	430	1	0.01	21	690	20	6	1	26	0.02	5	10	33	5	54
VR57715	A9823580	3	0.1	0.49	12	80	0.3	1	0.04	0.3	5	7	15	4.2	5	1	0.12	80	0.05	205	1	0.01	9	430	40	10	2	32	0.01	5	5	10	5	24
VR57717	A9823580	3	0.1	0.84	28	140	0.5	1	0.05	0.3	14	16	41	5.29	5	0.5	0.17	70	0.13	555	1	0.01	24	580	52	14	4	28	0.01	5	10	21	5	54
VR57718	A9823580	10	1.2	0.75	182	100	0.3	1	0.04	0.3	10	17	60	3.99	5	0.5	0.11	50	0.14	220	1	0.01	20	830	106	22	3	29	0.01	5	5	26	5	80
VR57719	A9823560	3	0.8	1.46	20	100	0.5	1	0.09	0.3	9	22	45	3.01	5	0.5	0.05	20	0.34	545	1	0.01	21	410	18	6	3	11	0.03	5	5	34	5	46
VR57720	A9823580	3	0.1	1.42	20	160	0.5	1	0.49	0.3	9	22	26	2.92	5	0.5	0.06	30	0.49	355	1	0.01	19	570	12	2	5	30	0.04	5	5	41	5	54
VR57721	A9823580	3	0.1	1.14	10	110	0.5	1	0.59	0.3	10	19	20	3.14	5	0.5	0.05	20	0.29	680	1	0.01	21	580	26	2	3	28	0.01	5	5	29	5	54
VR57722	A9823580	10	0.2	1.58	178	80	0.5	1	0.07	0.3	9	15	56	2.61	5	0.5	0.05	20	0.23	140	3	0.01	16	330	20	2	4	28	0.01	5	5	19	5	34
VR57723	A9823580	3	0.2	1.88	86	80	0.3	1	0.05	0.3	9	26	62	3.54	5	0.5	0.07	20	0.29	400	3	0.01	19	1360	14	6	0.5	15	0.02	5	5	58	5	60
VR57724	A9823580	45	0.1	2.3	224	340	4.5	1	0.46	0.3	34	13	87	3.84	5	0.5	0.03	180	0.32	585	4	0.01	33	1740	30	18	9	44	0.01	5	10	54	5	68
VR57725	A9823580	35	0.6	0.85	382	50	1.5	6	1.98	0.5	42	9	279	13.95	5	0.5	0.06	250	0.51	3660	3	0.01	63	940	38	16	6	94	0.01	5	10	32	5	122
VR57726	A9823580	3	0.1	1.47	30	90	0.5	1	0.07	0.3	7	23	38	3.41	5	0.5	0.05	10	0.36	295	3	0.01	16	420	20	1	3	11	0.04	5	5	50	5	56
VR57727	A9823580	15	0.2	1.41	144	70	0.3	1	0.13	0.3	11	19	20	2.92	5	0.5	0.06	20	0.32	260	2	0.01	13	950	14	14	1	31	0.03	5	5	33	5	40
VR57728	A9823580	40	0.1	1.4	26	80	0.3	1	0.08	0.3	9	23	24	2.66	5	0.5	0.05	10	0.33	355	2	0.01	16	530	12	2	1	11	0.03	5	5	43	5	56
VR57729	A9823580	270	5.2	1.16	3480	140	3.5	20	0.11	26	136	10	2700	10.55	5	0.5	0.05	140	0.18	3690	3	0.01	134	430	1260	48	2	21	0.01	5	10	17	5	2610
VR57730	A9823580	10	0.8	1.21	104	80	0.3	1	0.07	0.3	7	20	41	2.44	5	0.5	0.06	10	0.23	375	3	0.01	12	640	16	2	0.5	15	0.04	5	5	45	5	54
VR57901	A9823580	3	0.1	1.66	12	80	0.5	1	0.06	0.3	8	25	22	4.85	5	0.5	0.11	30	0.29	480	0.5	0.01	14	580	22	2	2	14	0.03	5	5	45	5	52
VR57902	A9823580	3	0.1	2.32	2	90	0.5	1	0.19	0.3	25	27	32	3.55	5	0.5	0.18	10	0.47	855	0.5	0.01	29	380	28	8	4	31	0.01	5	5	33	5	64
VR57903	A9823580	3	0.1	1.19	8	160	0.3	1	0.07	0.3	5	16	24	3.75	5	0.5	0.22	30	0.2	245	1	0.01	9	480	26	6	1	17	0.01	5	5	24	5	40

KENNECOTT CANADA EXPLORATION INC.

ANTIMONY MOUNTAIN PROPERTY- 1998 SOIL SAMPLE ANALYTICAL RESULTS

SAMPLE	Certificate	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
Number	Number	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
VR57904	A9823580	5	0.1	1.28	20	110	0.5	1	0.08	0.3	14	17	126	2.63	5	0.5	0.09	20	0.22	815	1	0.01	13	890	26	4	0.5	14	0.02	5	5	33	5	52
VR57905	A9823580	3	0.1	2.08	10	130	1	1	0.1	0.3	16	28	45	4.12	5	0.5	0.39	40	0.48	850	0.5	0.01	26	460	14	4	4	13	0.03	5	5	30	5	60
VR57906	A9823580	3	0.1	1.72	6	190	1.5	1	0.1	0.3	22	23	27	3.07	5	0.5	0.33	40	0.41	595	1	0.01	26	470	14	2	3	11	0.01	5	5	18	5	58
VR57907	A9823580	3	0.2	0.53	2	110	0.3	1	0.02	0.3	5	8	18	3.93	5	0.5	0.2	10	0.09	195	1	0.01	7	460	52	10	0.5	27	0.01	5	5	10	5	28
VR57908	A9823580	3	0.1	0.94	2	140	0.5	1	0.12	0.3	8	11	26	5.61	5	0.5	0.15	50	0.25	260	1	0.01	16	540	46	8	3	26	0.01	5	5	8	5	86
VR57909	A9823580	3	0.1	1.1	8	100	0.3	1	0.04	0.3	8	17	19	3.25	5	0.5	0.13	10	0.25	525	1	0.01	13	610	24	2	1	14	0.01	5	5	28	5	54
VR57910	A9823580	5	0.2	1.34	26	120	0.5	1	0.06	0.3	19	17	29	4.51	5	0.5	0.12	60	0.34	1205	1	0.01	29	590	48	6	3	28	0.01	5	10	20	5	100
VR57911	A9823580	3	0.1	1.24	18	130	0.5	1	0.18	0.3	13	17	27	3.59	5	0.5	0.14	10	0.25	655	1	0.01	19	750	28	2	1	22	0.01	5	5	25	5	56
VR57912	A9823580	10	0.2	1.17	10	130	0.3	1	0.2	0.3	8	17	15	2.68	5	0.5	0.07	10	0.27	505	2	0.01	16	450	24	1	2	18	0.01	5	10	29	5	44
VR57913	A9823580	10	0.1	1.25	10	150	0.5	1	0.18	0.3	9	18	18	3.14	5	0.5	0.07	20	0.26	670	2	0.01	19	640	52	1	2	18	0.01	5	5	29	5	84
VR57914	A9823580	200	2.4	1.8	270	60	0.5	2	0.45	0.5	6	28	578	3.35	5	0.5	0.09	90	0.38	335	3	0.01	16	1170	52	2	9	50	0.01	5	5	35	10	118
VR57915	A9823580	50	2.4	2.12	312	170	1.5	2	0.08	0.3	10	27	185	4.3	5	0.5	0.17	50	0.44	265	4	0.01	22	820	496	8	4	38	0.03	5	5	37	5	138
VR57916	A9823580	65	2	3.34	1545	510	2.5	1	0.73	1.5	56	37	2280	8.08	10	0.5	0.17	50	1.05	2790	8	0.01	44	1220	62	10	10	489	0.03	5	10	74	5	232
VR57917	A9823580	80	0.2	1.71	260	190	1.5	8	0.17	0.3	16	22	139	5.41	5	0.5	0.18	60	0.3	720	5	0.01	17	850	52	6	5	34	0.01	5	5	34	5	72
VR57918	A9823580	3	0.6	2.17	40	110	1.5	1	0.1	0.3	3	13	50	1.38	5	0.5	0.03	40	0.19	100	1	0.01	8	940	8	2	1	12	0.01	5	5	20	5	38
VR57928	A9826797	3	0.1	1.92	26	90	0.3	1	0.1	0.3	9	27	19	3	1	0.5	0.05	10	0.44	325	0.5	0.01	20	460	10	1	3	10	0.04	1	1	39	1	62
VR57929	A9826797	3	0.1	1.72	38	130	0.5	1	0.18	0.3	12	25	22	2.61	1	0.5	0.09	10	0.43	325	0.5	0.01	21	400	12	1	3	28	0.05	1	1	40	1	54
VR57930	A9826797	3	0.1	2.37	24	80	0.5	1	0.13	0.3	13	32	47	4.26	1	0.5	0.19	10	0.54	310	1	0.03	29	440	20	1	4	67	0.08	1	1	43	1	50
VR57931	A9826797	3	0.1	1.41	36	90	0.3	1	0.1	0.3	10	30	23	3.88	1	0.5	0.08	10	0.37	385	2	0.01	15	510	30	4	4	15	0.04	1	1	63	1	74
VR57932	A9826797	130	0.4	1.27	490	150	1.5	6	0.55	0.5	16	20	107	6.04	1	0.5	0.09	60	0.36	1375	6	0.01	10	1330	102	6	11	84	0.01	1	1	50	1	162
VR57933	A9826797	10	0.2	1.19	92	80	0.3	1	0.09	0.3	9	24	42	3.44	1	0.5	0.09	20	0.35	320	4	0.01	20	420	34	2	3	20	0.05	1	1	41	1	60
VR57934	A9826797	10	0.1	1.91	18	70	0.3	1	0.11	0.3	11	26	47	3.25	1	0.5	0.05	10	0.48	305	2	0.01	21	390	20	1	3	13	0.06	1	1	43	1	60
VR57935	A9826797	3	0.1	1.57	552	90	0.5	1	0.06	0.3	12	22	34	3.76	1	0.5	0.07	30	0.22	265	0.5	0.01	24	750	46	4	1	22	0.01	1	1	43	1	74
VR57936	A9826797	20	0.1	1.57	308	80	0.3	1	0.11	0.3	12	23	112	3.43	1	0.5	0.05	30	0.4	300	3	0.01	21	450	12	1	2	17	0.05	1	1	44	1	60
VR57937	A9826797	5	0.2	1.3	32	90	0.5	2	0.06	0.3	13	27	67	4.76	1	0.5	0.07	20	0.14	890	1	0.01	25	960	18	2	1	15	0.03	1	1	62	1	70
VR57938	A9826797	10	0.1	0.78	62	120	3	1	4.9	0.3	18	14	86	11.55	1	1	0.04	20	1.88	4360	3	0.01	30	670	20	2	3	181	0.01	1	1	20	1	120
VR57939	A9826797	3	0.1	2.63	44	260	3.5	1	0.34	0.5	44	27	604	7.46	1	1	0.09	50	0.35	3230	5	0.01	98	1430	20	2	11	41	0.04	1	1	64	1	230
VR57940	A9826797	3	0.1	1.97	64	240	2.5	1	0.29	1	28	56	54	8.72	1	0.5	0.04	50	0.34	2590	8	0.01	64	1150	108	6	22	25	0.05	1	1	158	1	226
VR57941	A9826797	220	0.2	1.25	186	80	0.5	1	0.14	0.3	28	22	163	5.63	1	0.5	0.05	50	0.31	1385	3	0.01	41	580	36	2	6	18	0.04	1	1	43	1	82
VR57942	A9826797	10	0.1	2.18	90	220	2	1	0.48	0.5	29	20	46	4.81	1	1	0.18	70	0.38	1315	3	0.01	29	1190	90	12	5	48	0.01	1	1	26	1	98
VR57943	A9826797	20	0.6	2.39	664	150	1.5	2	0.17	0.3	24	30	92	6.33	1	0.5	0.19	40	0.52	1175	5	0.01	33	1260	202	8	6	30	0.03	1	1	63	1	148
VR57944	A9826797	10	0.2	2.12	228	130	1.5	1	0.4	0.5	21	29	60	6.13	1	0.5	0.09	60	0.44	1195	4	0.01	31	950	112	12	7	38	0.03	1	1	45	1	170
VR57945	A9826797	15	0.4	2.75	232	190	2	1	0.65	1	29	42	107	6.2	1	1	0.11	60	0.76	1870	4	0.01	54	1220	92	6	9	63	0.03	1	1	67	1	172
VR57946	A9826797	10	0.2	2.88	142	170	2	2	0.39	0.3	21	39	77	5.6	1	1	0.1	50	0.71	1120	6	0.01	35	960	70	1	7	38	0.05	1	1	70	1	148
VR57947	A9826797	10	0.1	2.27	148	150	1	1	0.29	0.3	15	31	33	3.41	1	0.5	0.07	20	0.61	815	3	0.01	23	830	24	1	4	26	0.06	1	1	53	1	90
VR57948	A9826797	15	0.1	1.89	90	100	0.3	1	0.17	0.3	9	27	27	2.87	1	1	0.06	10	0.49	370	1	0.01	20	580	16	1	3	17	0.06	1	1	48	1	56
VR57949	A9826797	3	0.1	2.01	42	110	0.3	1	0.16	0.3	9	31	27	2.92	1	0.5	0.07	20	0.52	425	1	0.01	20	650	12	1	4	17	0.07	1	1	51	1	66
VR57950	A9826797	3	0.1	1.86	42	70	0.3	1	0.09	0.3	7	29	20	3.25	1	0.5	0.06	10	0.34	220	1	0.01	14	310	10	1	3	11	0.07	1	1	57	1	40
VR57951	A9826797	3	0.1	2.01	96	70	0.3	1	0.08	0.3	9	31	23	4.08	1	1	0.08	20	0.29	355	3	0.01	18	390	14	1	4	14	0.08	1	1	71	1	54
VR57952	A9826797	3	0.1	2.15	28	90	0.5	1	0.12	0.3	10	25	25	4.12	1	0.5	0.06	20	0.36	445	2	0.01	19	650	16	1	3	21	0.04	1	1	57	1	62
VR57953	A9826797	5	0.1	2.92	510	80	2	1	0.11	0.3	12	31	39	3.95	1	0.5	0.06	30	0.66	745	3	0.01	16	530	36	1	5	19	0.03	1	1	60	1	70
VR57954	A9826797	3	0.1	2.78	642	70	2	1	0.12	0.3	11	28	28	3.64	1	0.5	0.06	40	0.62	680	2	0.01	19	720	44	1	5	16	0.03	1	1	49	1	112
VR57955	A9826797	35	0.2	3.01	982	80	4.5	6	0.68	0.3	10	27	103	3.67	1	0.5	0.03	70	0.75	685	4	0.01	11	880	60	2	6	297	0.01	1	100	48	1	82
VR57956	A9826797	5	0.2	1.41	56	150	0.5	1	0.72	0.5	17	17	69	4.58	1	0.5	0.26	30	1.38	830	7	0.01	40	1320	34	1	7	76	0.01	1	1	52	1	132
VR57957	A9826797	40	1.4	2.46	2180	90	0.5	126	0.53	0.3	56	30	801	8.09	1	1	0.09	30	0.88	995	4	0.01	47	1190	68	2	7	68	0.06	1	1	63	1	118
VR57958	A9826797	20	0.2	3.02	126	180	0.5	1	0.19	0.3	12	33	96	3.81	1	1	0.19	10	0.75	505	5	0.01	23	1500	18	1	4	46	0.1	1	1	66	1	68
VR57959	A9826797	3	0.1	1.9	24	90	0.3	1	0.09	0.3	7	27	14	2.8	1	0.5	0.05	10	0.38	230	1	0.01	16	340	12	1	2	14	0.05	1	1	52	1	54
VR57960	A9826797	3	0.1	1.4	52	140	0.3	1	0.18	0.3	10	25	18	2.45	1	0.5	0.07	30	0.42	325	1	0.01	20	490	16	1	3	28	0.05	1	1	41	1	58
VR57961	A9827801	35	0.1	3.42	108	130	3	1	1.49	1.5	44	32	98	3.59	5	0.5	0.05	30	0.55	3180	6	0.04	102	840	36	8	7	227	0.2	5	5	115	5	154
VR57962	A9827801	40	0.1	2.02	84	110	0.3	1	0.08	0.3	7	30	49	4.45	5	0.5	0.09	20	0.3	185	6	0.01	16	1510	16	2	1	54	0.04	5	5	79	5	44
VR57963	A9827801	20	0.1	3.26	58	250	0.5	1	0.14	0.3	11	35	126	9.3	5	1	0.36	30	0.82	260	13	0.07	19	3220	50	8	4	117	0.04	5	5	70	5	42
VR57964	A9827801	0	1.8	1.39	718	120	0.5	2	0.26	0.5	21	38	158	4.81	5	0.5	0.13	20	0.29	560	7	0.01	40	2010	84	10	1	40	0.02	5	5	56	5	126

KENNECOTT CANADA EXPLORATION INC.

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SAMPLE	Certificate	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
Number	Number	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
VR57965	A9827801	25	0.8	1.75	536	100	1	2	0.12	0.3	29	31	182	6.64	5	0.5	0.11	20	0.32	1130	9	0.01	51	1910	98	8	3	26	0.03	5	5	85	5	112
VR57966	A9827801	25	0.2	3.17	80	340	1	1	0.19	0.3	9	45	143	6.24	5	0.5	0.63	30	1.06	245	10	0.04	19	2730	22	2	6	108	0.09	5	5	134	5	40
VR57967	A9827801	65	0.2	2.36	144	360	0.5	1	0.16	0.3	6	42	136	7.25	5	0.5	0.48	30	0.65	285	11	0.05	13	3120	30	6	5	82	0.07	5	5	143	5	36
VR57968	A9827801	3	0.2	1.07	76	90	0.3	1	0.08	0.3	4	22	32	3.18	5	0.5	0.12	10	0.18	240	5	0.01	11	1780	14	6	0.5	28	0.04	5	5	52	5	40
VR57969	A9827801	10	0.1	1.97	82	130	0.3	1	0.2	0.3	11	32	35	2.89	5	0.5	0.08	20	0.49	435	2	0.01	22	580	12	1	3	23	0.08	5	5	51	5	66
VR57970	A9827801	10	0.2	0.63	50	160	0.3	1	0.21	2.5	7	13	29	1.17	5	0.5	0.09	5	0.11	995	1	0.01	8	1020	8	1	1	27	0.01	5	5	17	5	72
VR57971	A9827801	10	0.1	2.15	106	70	0.3	1	0.1	0.3	8	28	23	3	5	0.5	0.05	10	0.38	285	1	0.01	14	300	18	2	3	15	0.06	5	5	49	5	52
VR57972	A9827801	5	0.1	1.39	22	70	0.3	1	0.08	0.3	6	22	17	2.64	5	0.5	0.05	10	0.26	155	2	0.01	13	540	16	2	1	12	0.03	5	5	37	5	40
VR57973	A9827801	3	0.1	2.24	20	110	0.3	1	0.09	0.3	9	33	20	3.34	5	0.5	0.07	10	0.44	325	3	0.01	17	510	16	1	3	15	0.04	5	5	53	5	62
VR57974	A9827801	10	0.1	0.98	32	80	0.3	1	0.07	0.3	10	21	34	3.19	5	0.5	0.09	30	0.17	395	2	0.01	21	570	26	6	1	20	0.01	5	5	33	5	52
VR57975	A9827801	15	0.1	2.22	272	110	0.5	1	0.17	0.3	9	29	77	2.76	5	0.5	0.07	20	0.5	330	3	0.01	16	560	20	2	4	28	0.07	5	5	48	5	66
VR57976	A9827801	15	0.2	2.37	920	120	0.5	2	0.24	0.3	8	30	97	2.92	5	0.5	0.07	30	0.5	280	5	0.01	16	530	30	1	4	73	0.06	5	30	50	5	62
VR57977	A9827801	10	0.1	2.17	554	150	1	1	0.28	0.3	10	30	91	3.11	5	0.5	0.07	30	0.53	595	4	0.01	18	700	30	1	3	78	0.06	5	20	49	5	78
VR57978	A9827801	55	0.8	1.79	868	130	1.5	1	0.4	0.3	11	25	169	2.69	5	0.5	0.14	50	0.53	580	3	0.01	15	920	84	1	4	106	0.06	5	40	40	5	68
VR57979	A9827801	3	0.1	1.37	20	70	0.3	1	0.14	0.3	8	23	18	2.8	5	0.5	0.06	20	0.33	250	0.5	0.01	16	540	22	4	2	14	0.04	5	5	38	5	48
VR57980	A9827801	3	0.1	1.17	24	80	0.3	1	0.07	0.3	6	20	15	2.8	5	0.5	0.06	20	0.24	195	1	0.01	13	320	20	2	2	15	0.03	5	5	39	5	40
VR57981	A9827801	3	0.1	1.58	20	90	0.3	1	0.1	0.3	8	27	17	3.16	5	0.5	0.06	10	0.32	290	2	0.01	17	320	14	1	2	13	0.06	5	5	56	5	52
VR57982	A9827801	3	0.1	1.18	8	90	0.3	2	0.12	0.3	5	25	17	2.19	5	0.5	0.09	10	0.24	165	1	0.01	14	570	8	4	1	17	0.04	5	5	48	5	42
VR57983	A9827801	3	0.1	1.6	14	100	0.5	1	0.14	0.3	9	29	24	2.82	5	0.5	0.11	30	0.37	355	1	0.01	20	390	18	1	3	19	0.06	5	5	47	5	54
VR57984	A9827801	3	0.1	1.68	18	100	0.3	1	0.09	0.3	6	25	20	3.01	5	0.5	0.13	20	0.24	250	3	0.01	13	410	24	2	2	18	0.04	5	5	51	5	44
VR57985	A9827801	3	0.2	1.09	24	130	0.5	1	0.08	0.3	7	22	39	2.98	5	0.5	0.16	40	0.25	245	3	0.01	18	500	26	10	2	39	0.03	5	5	31	5	44
VR57986	A9827801	3	1.2	2.39	48	150	0.5	2	0.1	0.3	10	35	49	3.34	5	0.5	0.18	20	0.4	410	2	0.01	20	440	48	8	4	20	0.03	5	5	50	5	58
VR57987	A9827801	3	0.1	1.19	10	70	0.3	1	0.09	0.3	5	20	10	2.3	5	0.5	0.08	20	0.22	205	1	0.01	10	330	12	2	1	13	0.03	5	5	34	5	30
VR57988	A9827801	3	0.1	1.35	12	80	0.3	2	0.08	0.3	6	23	12	2.83	5	0.5	0.1	30	0.23	195	1	0.01	10	340	40	6	2	14	0.02	5	5	35	5	34
VR57989	A9827801	25	2.8	1.5	118	330	0.5	2	0.36	0.3	7	21	95	2.57	5	1	0.25	40	0.21	385	3	0.01	16	840	254	14	4	47	0.01	5	5	20	5	40
VR57990	A9827801	3	0.2	1.32	16	110	0.3	1	0.2	0.3	6	25	16	2.25	5	0.5	0.08	10	0.34	190	1	0.01	14	470	20	6	2	20	0.04	5	5	35	5	48
VR57991	A9827801	5	0.1	1.74	14	120	0.3	1	0.12	0.3	8	26	15	2.57	5	0.5	0.08	20	0.32	290	1	0.01	16	490	24	2	3	15	0.03	5	5	37	5	54
VR58002	A9826797	3	0.1	2.87	10	130	1	1	0.34	0.3	25	29	54	5.29	1	0.5	0.07	40	1.71	1230	2	0.01	25	550	18	1	3	81	0.07	1	1	41	1	90
VR58003	A9826797	3	0.1	0.84	10	70	0.5	1	0.1	4	13	16	37	2.98	1	0.5	0.12	50	0.16	695	0.5	0.01	29	510	274	18	4	19	0.01	1	1	22	1	910
VR58004	A9826797	3	0.1	1.93	6	130	0.5	1	0.13	0.3	10	30	18	3.16	1	0.5	0.09	20	0.47	440	3	0.01	22	330	16	1	3	15	0.07	1	1	54	1	58
VR58005	A9826797	3	0.2	1.53	348	210	1	1	0.28	0.5	13	24	29	5.76	1	0.5	0.09	50	0.36	1370	1	0.01	31	580	76	2	5	25	0.04	1	1	38	1	176
VR58006	A9826797	3	0.1	2.41	102	190	1	4	0.27	0.3	11	40	27	4.24	1	0.5	0.17	50	0.5	570	1	0.01	24	790	56	2	6	28	0.05	1	1	59	1	94
VR58007	A9826797	3	1.2	1.7	50	190	0.5	1	0.25	5	10	30	39	8.81	1	0.5	0.09	30	0.32	2230	1	0.01	21	1190	352	2	5	22	0.04	1	1	47	1	362
VR58008	A9826797	3	0.1	1.81	72	90	1	1	0.08	0.3	28	32	54	6.4	1	0.5	0.12	30	0.42	1815	2	0.01	36	1220	56	4	5	18	0.05	1	1	60	1	142
VR58009	A9826797	35	0.8	1.51	792	140	0.5	6	0.42	2.5	19	28	92	5.88	1	0.5	0.13	50	0.44	915	3	0.01	32	840	224	10	6	48	0.04	1	1	43	1	314
VR58010	A9826797	10	0.1	3.27	2530	160	1	12	0.59	1	49	30	57	5.44	1	0.5	0.12	10	0.4	1270	2	0.05	40	1060	40	2	4	93	0.06	1	1	39	1	84
VR58011	A9826797	3	0.1	2.39	272	150	0.5	1	0.17	0.3	11	31	26	3.44	1	0.5	0.06	20	0.47	365	1	0.01	26	400	66	1	4	21	0.07	1	1	49	1	90
VR58012	A9826797	3	0.1	2.11	58	180	0.5	1	0.16	0.3	16	31	31	4.45	1	0.5	0.09	20	0.62	815	3	0.01	27	830	30	1	3	32	0.02	1	1	66	1	76
VR58013	A9826797	45	0.2	1.35	290	220	0.3	4	0.29	0.5	12	20	114	6.09	1	0.5	0.31	60	0.37	230	12	0.05	23	1620	76	1	4	131	0.01	1	1	34	1	52
VR58014	A9826797	10	0.1	1.83	136	260	1.5	2	0.09	0.5	25	29	75	6.49	1	0.5	0.22	70	0.32	1045	5	0.02	35	1570	74	4	3	52	0.02	1	1	49	1	164
VR58015	A9826797	25	0.1	2.89	48	230	0.5	1	0.45	0.3	14	37	39	3.51	1	0.5	0.11	40	0.65	705	3	0.01	24	690	54	2	5	75	0.08	1	1	53	1	92
VR58016	A9826797	65	0.8	2.56	200	250	0.5	1	0.41	1	42	38	149	4.89	1	0.5	0.15	30	0.64	1285	6	0.01	62	1300	110	1	6	90	0.08	1	1	62	1	180
VR58017	A9826797	60	0.6	2.42	26	140	0.3	1	0.14	0.3	19	35	95	4.27	1	0.5	0.11	20	0.47	685	7	0.01	31	1000	58	2	3	30	0.05	1	1	53	1	92
VR58018	A9826797	3	0.1	2.24	20	150	0.3	1	0.16	0.3	11	30	15	3.74	1	0.5	0.06	10	0.51	445	3	0.01	21	340	18	1	3	17	0.07	1	1	62	1	52
VR58019	A9826797	3	0.1	1.67	10	140	0.3	1	0.11	0.3	9	24	16	2.69	1	0.5	0.09	30	0.39	430	1	0.01	17	340	16	2	3	21	0.03	1	1	40	1	38
VR58034	A9828573	175	1.6	3.08	1465	200	2	6	1.57	1.5	29	21	317	4.53	5	0.5	0.3	70	0.87	895	5	0.01	17	3190	112	40	7	208	0.06	5	5	75	5	152
VR58035	A9828573	20	0.2	2.9	134	230	1.5	1	0.4	0.3	24	29	87	4.43	5	0.5	0.38	40	0.72	980	3	0.01	43	1240	34	34	6	76	0.03	5	5	48	5	114
VR58036	A9828573	10	0.1	2.99	152	220	1.5	1	0.2	0.3	33	34	82	4.83	5	0.5	0.33	40	0.7	1405	1	0.01	44	570	30	20	5	39	0.01	5	5	34	5	90
VR58037	A9828573	3	0.1	3.19	196	240	2	1	0.4	0.5	47	31	89	6.18	5	1	0.46	40	0.72	1385	4	0.01	61	980	52	54	6	76	0.03	5	5	42	5	124
VR58038	A9828573	40	1.2	2.73	562	200	1.5	6	0.33	0.5	36	32	228	5.69	5	2	0.43	30	0.6	865	3	0.01	35	630	60	50	6	96	0.03	5	5	36	5	72
VR58039	A9828573	20	0.8	2.61	240	220	2.5	2	0.16	0.3	42	35	226	7.31	5	0.5	0.45	30	0.64	905	4	0.01	40	1090	58	44	5	98	0.04	5	5	43	5	106
VR58040	A9828573	10	0.6	2.78	164	190	0.5	1	0.29	0.3	20	31	154	8.53	5	1	0.25	20	0.65	550	11	0.03	39	2130	98	12	4	106	0.04	5	5	70	5	162

KENNECOTT CANADA EXPLORATION INC.

ANTIMONY MOUNTAIN PROPERTY- 1998 SOIL SAMPLE ANALYTICAL RESULTS

SAMPLE	Certificate	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
Number	Number	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
VR58041	A9828573	10	0.4	2.43	162	170	2	10	0.22	0.5	42	30	196	6.73	5	0.5	0.35	60	0.69	785	7	0.06	61	1570	88	16	5	129	0.04	5	5	51	5	94
VR58042	A9828573	50	0.1	1.96	42	210	1.5	1	0.27	0.3	25	25	67	4.74	5	0.5	0.56	30	0.53	335	5	0.05	36	1030	34	8	4	233	0.02	5	5	36	5	70
VR58043	A9828573	25	0.2	2.15	40	250	1.5	2	0.38	0.3	24	27	65	4.35	5	0.5	0.42	40	0.68	605	3	0.01	35	780	50	6	4	246	0.03	5	5	32	5	84
VR58044	A9828573	3	0.1	1.78	28	220	1.5	1	0.29	0.5	29	25	84	4.57	5	0.5	0.35	60	0.52	720	8	0.01	41	880	30	8	5	77	0.01	5	5	33	5	102
VR58045	A9828573	3	0.1	1.82	26	180	2	1	0.43	0.3	33	23	56	4.17	5	0.5	0.34	70	0.45	1310	3	0.01	31	1320	52	6	4	60	0.01	5	5	25	5	70
VR58105	A9827801	3	0.1	1.76	14	90	0.3	1	0.17	0.3	10	28	31	2.84	5	0.5	0.09	10	0.48	275	1	0.01	22	570	10	1	3	21	0.08	5	5	52	5	50
VR58106	A9827801	10	0.1	1.98	88	150	0.5	1	0.11	0.3	8	30	64	3.58	5	0.5	0.12	40	0.41	270	2	0.01	21	550	24	8	3	30	0.05	5	5	50	5	52
VR58107	A9827801	45	0.2	1.56	248	110	0.5	1	0.17	0.3	10	30	78	3.42	5	0.5	0.11	30	0.43	300	3	0.01	25	620	18	8	4	23	0.07	5	5	53	5	84
VR58108	A9827801	35	0.2	1.59	246	160	0.3	2	0.09	0.3	9	31	79	3.83	5	0.5	0.21	50	0.38	300	3	0.01	20	560	50	8	4	26	0.04	5	5	39	5	58
VR58109	A9827801	10	0.1	1.35	32	80	0.3	1	0.13	0.3	8	27	20	3.04	5	0.5	0.09	30	0.29	225	1	0.01	17	440	10	2	2	17	0.08	5	5	54	5	40
VR58110	A9827801	5	0.1	1.62	96	90	0.3	1	0.11	0.3	9	29	38	2.91	5	0.5	0.08	30	0.36	220	1	0.01	19	380	10	2	3	16	0.08	5	5	42	5	42
VR58111	A9827801	10	0.2	1.3	144	100	0.3	1	0.1	0.3	9	23	50	3.09	5	0.5	0.12	40	0.31	205	1	0.01	19	480	12	2	2	20	0.05	5	5	38	5	40
VR58112	A9827801	10	0.1	1.18	224	100	0.3	1	0.07	0.3	7	21	40	2.99	5	0.5	0.09	30	0.19	225	2	0.01	16	590	14	8	1	17	0.04	5	5	41	5	40
VR58113	A9827801	10	0.1	1.48	74	100	0.5	1	0.12	0.3	10	26	30	2.93	5	0.5	0.1	30	0.32	365	1	0.01	20	530	10	2	2	17	0.06	5	5	43	5	46
VR58114	A9827801	3	0.1	1.38	10	200	0.5	2	0.2	0.3	12	21	25	3.15	5	0.5	0.13	10	0.22	905	1	0.01	22	1040	26	1	3	22	0.01	5	5	32	5	80
VR58115	A9827801	10	0.1	1.53	10	140	0.3	1	0.11	0.3	6	23	14	2.78	5	0.5	0.05	10	0.28	270	1	0.01	14	550	32	2	2	15	0.01	5	5	46	5	56
VR58116	A9827801	3	0.1	0.56	10	170	1	1	0.99	0.3	18	11	41	4.73	5	0.5	0.15	10	0.07	660	1	0.01	51	200	30	1	5	35	0.01	5	5	10	5	138
VR58117	A9827801	15	0.1	0.58	8	110	0.3	1	0.06	0.3	11	11	22	4.13	5	1	0.14	20	0.08	240	0.5	0.01	17	280	32	8	4	57	0.01	5	5	22	5	68
VR58118	A9827801	10	0.1	1.75	16	110	0.3	1	0.12	0.3	10	33	25	3.73	5	0.5	0.12	20	0.4	475	4	0.01	19	740	18	1	3	23	0.04	5	5	62	5	88
VR58119	A9827801	3	0.1	1.77	18	160	0.5	1	0.05	0.3	10	27	25	3.75	5	0.5	0.13	50	0.27	395	1	0.01	18	710	18	1	3	47	0.01	5	5	31	5	54
VR58120	A9827801	3	0.1	1.42	16	140	0.5	2	0.05	0.3	14	22	25	3.69	5	1	0.18	60	0.29	570	1	0.03	20	500	32	1	4	56	0.01	5	5	23	5	56
VR58121	A9827801	3	0.2	0.76	84	50	0.3	1	0.01	0.3	2	8	19	6.06	5	0.5	0.15	80	0.03	70	0.5	0.01	4	520	58	2	1	7	0.01	5	5	7	5	28
VR58122	A9827801	3	0.1	1.43	36	260	1.5	1	1.95	0.5	21	20	35	5.16	5	0.5	0.14	60	0.34	1910	3	0.01	12	2300	44	2	16	65	0.01	5	5	91	5	148
VR58123	A9827801	3	0.1	3.64	10	410	1	1	0.29	0.3	17	44	32	4.83	10	0.5	0.55	30	1.46	1215	1	0.01	27	1300	16	2	8	23	0.08	5	5	98	5	106
VR58124	A9827801	10	0.1	1.83	26	280	0.5	1	0.22	0.5	17	29	82	4.4	5	0.5	0.32	40	0.54	865	9	0.01	37	1600	30	2	5	89	0.02	5	5	72	5	168
VR58125	A9827801	3	0.2	0.68	22	160	0.3	1	0.07	1	19	28	33	5.83	5	1	0.05	30	0.11	2180	2	0.01	22	1030	78	1	9	12	0.01	5	5	75	5	160
VR58126	A9827801	3	0.1	0.64	22	170	0.3	1	0.13	1	19	27	32	5.85	5	0.5	0.05	30	0.11	2100	1	0.01	23	1030	90	4	9	12	0.01	5	5	75	5	176
VR58127	A9827801	50	0.4	2.36	172	60	2.5	2	0.74	0.3	19	21	107	5.86	5	0.5	0.04	140	0.95	895	7	0.01	10	1510	84	4	13	61	0.02	5	5	76	5	98
VR58128	A9827801	70	2	0.77	2080	130	0.3	6	0.03	0.3	6	11	122	12.75	5	0.5	0.74	40	0.13	200	6	0.11	3	1250	50	32	4	130	0.01	5	5	38	5	18
VR58129	A9827801	35	2.8	2.39	738	140	1	6	0.38	1	44	24	124	5.67	5	0.5	0.12	40	0.52	880	6	0.01	34	1320	588	10	5	186	0.05	5	20	51	10	450
VR58130	A9827801	20	0.2	3.84	90	270	2	2	0.51	0.5	27	31	94	5.92	10	0.5	0.34	40	0.94	1375	7	0.01	28	780	90	2	8	201	0.05	5	5	56	5	186
VR58131	A9827801	10	0.1	2.95	82	200	1.5	1	0.29	0.3	30	33	78	5.09	5	0.5	0.26	50	0.67	900	7	0.01	29	1020	40	2	7	91	0.05	5	5	54	5	86
VR58132	A9827801	25	0.1	1.62	94	210	0.5	1	0.12	0.3	20	35	70	8.33	5	0.5	0.1	40	0.32	3530	3	0.01	31	790	34	2	13	21	0.05	5	5	62	5	82
VR58133	A9827801	415	2.2	2.11	2450	160	0.5	50	0.06	0.3	29	25	190	8.11	5	1	0.28	140	0.4	510	5	0.01	32	1330	156	32	6	47	0.03	5	5	43	5	186
VR58134	A9827801	65	0.1	3.61	178	110	0.5	1	0.15	0.3	16	36	153	8.02	5	0.5	0.39	30	0.96	265	7	0.03	36	930	34	6	6	61	0.13	5	5	66	10	88
VR58135	A9827801	360	0.2	2.33	1220	150	0.3	14	0.15	0.3	10	29	283	10.8	5	1	0.23	70	0.54	210	6	0.05	17	2370	72	8	5	50	0.08	5	5	62	100	88
VR58136	A9827801	70	0.1	3.21	248	170	1.5	1	0.06	0.3	16	43	159	6.63	5	0.5	0.37	40	0.9	340	10	0.01	25	870	40	12	9	27	0.1	5	5	135	5	110
VR58137	A9827801	325	7.2	2.68	1415	190	1.5	58	0.07	0.3	33	29	392	9.42	5	0.5	0.4	40	0.83	570	4	0.01	33	810	552	34	5	71	0.02	5	5	37	10	96
VR58138	A9827801	100	4.8	2.78	1575	120	1	26	0.11	0.3	24	43	428	8.2	5	0.5	0.25	30	0.74	650	6	0.01	42	1460	508	14	6	47	0.05	5	5	56	5	148
VR58139	A9827801	90	4.8	3.12	890	310	3.5	8	1.4	5	44	32	402	7.32	5	1	0.47	60	1.07	1815	9	0.01	56	1300	382	46	11	255	0.04	5	5	66	5	598
VR58151	A9826797	10	0.1	3.59	552	620	1.5	1	0.32	0.3	55	299	137	5.89	1	0.5	0.92	30	2.07	530	3	0.01	238	1080	16	2	7	68	0.23	1	1	114	1	118
VR58152	A9826797	40	0.2	3.16	1020	150	0.5	2	0.08	0.3	43	41	232	5.97	1	0.5	0.29	30	0.57	555	3	0.01	55	770	42	4	4	98	0.01	1	1	35	1	66
VR58153	A9826797	40	0.8	2.51	1030	140	1	1	0.11	0.3	40	31	203	4.78	1	1	0.25	30	0.47	875	4	0.01	44	730	30	8	4	66	0.01	1	1	31	1	66
VR58154	A9826797	25	0.1	2.35	2610	150	1.5	1	0.29	0.3	49	26	162	5.87	1	0.5	0.21	90	0.43	800	10	0.01	28	910	54	12	6	85	0.01	1	1	40	1	88
VR58155	A9826797	10	0.2	2.47	648	100	1.5	1	0.26	0.5	34	29	150	4.3	1	0.5	0.28	40	0.76	670	5	0.01	37	660	50	2	6	39	0.05	1	1	57	1	142
VR58156	A9826797	15	0.1	2.59	2900	150	1.5	1	0.2	0.3	33	24	140	5.99	1	0.5	0.15	80	0.41	805	9	0.01	20	790	54	6	6	85	0.01	1	1	46	1	78
VR58157	A9826797	25	0.2	2.93	2490	140	1.5	1	0.25	0.3	38	29	163	6.01	1	0.5	0.16	80	0.51	790	11	0.01	27	850	70	10	7	67	0.01	1	1	54	1	106
VR58158	A9826797	25	0.1	2.72	1750	130	1	2	0.2	0.3	17	29	153	5.42	1	0.5	0.15	60	0.44	485	8	0.01	24	710	72	8	5	83	0.01	1	1	50	1	92
VR58159	A9826797	10	0.1	2.12	206	100	0.5	1	0.12	0.3	13	30	47	3.3	1	0.5	0.07	20	0.5	395	3	0.01	19	550	20	1	3	18	0.05	1	1	55	1	50
VR58160	A9826797	3	0.1	2	62	80	0.3	1	0.1	0.3	7	31	20	3.28	1	0.5	0.06	10	0.33	265	3	0.01	12	550	22	1	2	18	0.07	1	1	77	1	36
VR58161	A9826797	65	0.1	2.71	2120	140	1.5	1	0.21	0.3	30	30	147	4.64	1	0.5	0.11	50	0.56	800	8	0.01	30	780	72	10	5	58	0.03	1	10	54	1	118
VR58162	A9826797	55	0.1	2.15	452	100	0.3	2	0.2	0.3	9	31	64	3.08	1	0.5	0.07	20	0.53	230	4	0.01	18	720	20	8	4	24	0.07	1	1	54	1	58

KENNECOTT CANADA EXPLORATION INC.

ANTIMONY MOUNTAIN PROPERTY- 1998 SOIL SAMPLE ANALYTICAL RESULTS

SAMPLE	Certificate	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
Number	Number	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
VR58183	A9826797	25	0.1	2.2	348	110	0.5	1	0.21	0.3	10	28	42	2.97	1	0.5	0.08	30	0.46	295	3	0.01	18	830	42	1	3	30	0.07	1	1	55	1	64
VR58201	A9827801	5	0.1	2.52	328	150	0.5	1	0.24	0.3	13	36	46	3.27	5	0.5	0.1	20	0.66	420	4	0.01	26	780	14	1	5	76	0.09	5	5	60	5	74
VR58202	A9827801	3	0.1	2.74	38	140	0.5	1	0.13	0.3	12	36	41	3.54	5	0.5	0.09	10	0.68	470	3	0.01	24	870	14	2	5	21	0.08	5	5	74	5	66
VR58203	A9827801	5	0.1	3.1	74	130	0.5	1	0.14	0.3	10	38	59	3.47	5	0.5	0.11	10	0.74	345	4	0.01	22	980	16	2	4	32	0.09	5	5	76	5	58
VR58204	A9827801	10	0.1	1.99	98	110	0.5	1	0.13	0.3	10	30	26	3.35	5	0.5	0.1	30	0.37	510	3	0.01	19	790	26	2	3	21	0.05	5	5	56	5	64
VR58205	A9827801	10	0.1	2.07	366	120	0.5	1	0.1	0.3	9	28	32	3.63	5	0.5	0.11	30	0.33	280	4	0.01	18	680	24	1	3	29	0.05	5	5	60	5	50
VR58206	A9827801	30	0.1	2.09	488	170	0.5	1	0.27	0.3	21	33	57	4.02	5	0.5	0.11	30	0.49	935	2	0.01	34	1040	22	8	5	39	0.08	5	5	67	5	76
VR58207	A9827801	25	0.1	1.9	506	100	0.5	2	0.11	0.3	11	28	38	3.76	5	0.5	0.09	30	0.3	410	3	0.01	23	710	20	1	3	25	0.06	5	5	58	5	70
VR58208	A9827801	275	0.4	2.63	1910	70	1	16	0.27	0.3	63	18	206	10.5	5	1	0.06	70	0.68	1485	1	0.01	23	1640	96	14	11	51	0.01	5	5	63	5	118
VR58209	A9827801	50	0.1	2.52	1110	190	1.5	2	0.25	0.3	20	34	64	5.57	5	0.5	0.1	30	0.7	1265	1	0.01	30	800	30	1	6	60	0.06	5	5	70	5	88
VR58210	A9827801	3	0.1	2.51	216	140	2	2	0.13	0.3	20	31	53	4	5	0.5	0.09	20	0.36	1715	3	0.01	20	1270	30	1	1	23	0.05	5	5	58	5	78
VR58211	A9827801	15	0.1	1.5	182	210	0.5	1	0.49	0.3	14	32	43	3.44	5	0.5	0.11	40	0.52	660	3	0.01	22	1220	14	1	6	49	0.09	5	5	62	5	70
VR58212	A9827801	3	0.1	2.17	120	90	0.5	1	0.1	0.3	8	31	20	3.31	5	1	0.09	10	0.34	335	2	0.01	15	780	12	1	2	15	0.07	5	5	61	5	44
VR58213	A9827801	3	0.1	1.65	68	80	0.3	1	0.12	0.3	8	29	17	2.86	5	0.5	0.06	20	0.31	310	3	0.01	15	560	10	1	2	15	0.07	5	5	53	5	50
VR58214	A9827801	3	0.2	2.53	52	360	2	1	1.18	0.5	30	43	68	7.91	5	0.5	0.45	80	0.67	2370	2	0.01	20	3020	28	1	24	66	0.11	5	5	138	5	172
VR58251	A9827801	3	0.1	2.07	20	130	0.5	1	0.19	0.3	8	33	37	2.87	5	0.5	0.11	10	0.53	230	3	0.01	19	1200	14	4	3	45	0.08	5	5	70	5	48
VR58253	A9827801	40	0.2	2.67	2140	170	1.5	6	0.48	0.3	112	23	252	4.69	5	0.5	0.12	40	0.8	640	4	0.01	34	1700	48	8	8	107	0.05	5	5	78	5	82
VR58254	A9827801	90	0.6	1.95	820	110	1	6	0.16	0.3	17	26	94	4.31	5	0.5	0.1	50	0.41	300	5	0.01	23	810	92	12	6	45	0.02	5	5	45	5	62
VR58255	A9827801	50	0.6	1.86	698	140	0.3	2	0.09	0.3	8	28	84	3.32	5	0.5	0.15	60	0.31	250	2	0.01	18	650	26	8	1	36	0.03	5	5	42	5	42
VR58256	A9827801	10	0.1	1.84	120	120	0.5	1	0.12	0.3	11	31	38	3.45	5	0.5	0.13	30	0.39	340	3	0.01	20	640	14	2	3	24	0.06	5	5	50	5	58
VR58257	A9827801	3	0.1	1.85	26	140	0.3	1	0.13	0.3	8	26	23	2.64	5	0.5	0.07	10	0.39	400	1	0.01	19	300	50	2	3	14	0.05	5	5	45	5	56
VR58258	A9827801	3	0.1	1.78	10	160	0.5	1	0.19	0.3	9	29	17	2.86	5	0.5	0.08	10	0.48	450	1	0.01	22	430	10	1	3	18	0.05	5	5	45	5	58
VR58259	A9827801	3	0.1	2.01	18	110	0.3	1	0.11	0.3	9	32	15	3.28	5	0.5	0.07	10	0.39	425	1	0.01	16	430	18	1	2	14	0.05	5	5	55	5	62
VR58260	A9827801	3	0.1	1.82	12	140	0.3	1	0.17	0.3	9	30	18	2.84	5	0.5	0.07	10	0.48	405	1	0.01	21	490	12	1	3	18	0.05	5	5	49	5	66
VR58261	A9827801	10	0.1	1.87	14	110	0.3	1	0.11	0.3	7	29	15	2.98	5	0.5	0.07	10	0.39	300	1	0.01	17	540	32	2	2	16	0.03	5	5	48	5	56
VR58262	A9827801	3	0.1	1.52	8	140	0.5	1	0.11	0.3	9	24	18	2.79	5	0.5	0.08	10	0.37	660	1	0.01	21	410	16	1	3	15	0.03	5	5	34	5	56
VR58263	A9827801	3	0.1	1.97	10	280	0.5	1	0.11	0.3	12	32	22	3.17	5	0.5	0.1	10	0.37	630	0.5	0.01	21	670	10	1	3	16	0.03	5	5	46	5	58
VR58264	A9827801	3	0.1	1.57	14	110	0.3	1	0.12	0.3	9	26	15	2.78	5	0.5	0.07	10	0.39	345	1	0.01	16	480	14	1	2	15	0.04	5	5	42	5	56
VR58265	A9827801	15	0.1	1.35	10	120	0.5	1	0.14	0.3	11	26	21	3.02	5	0.5	0.09	10	0.37	715	1	0.01	20	420	16	2	3	17	0.04	5	5	39	5	58
VR58266	A9827801	3	0.1	1.45	10	100	0.3	1	0.05	0.3	8	23	19	3.49	5	0.5	0.1	10	0.23	325	1	0.01	18	510	18	2	2	12	0.01	5	5	34	5	68
VR58267	A9827801	3	0.1	2.09	10	230	1	1	0.12	0.3	20	34	26	4.24	5	1	0.16	10	0.46	1170	2	0.01	24	610	24	4	4	19	0.03	5	5	43	5	76
VR58268	A9827801	3	0.1	1.87	10	250	0.5	1	0.08	0.3	14	31	26	3.76	5	0.5	0.17	5	0.3	2280	1	0.01	18	910	30	1	3	17	0.01	5	5	36	5	90
VR58269	A9827801	3	0.1	1.86	12	100	0.3	1	0.15	0.3	9	32	18	3.06	5	0.5	0.08	10	0.44	330	1	0.01	18	530	12	2	3	15	0.06	5	5	53	5	54
VR58270	A9827801	3	0.1	1.59	10	110	0.5	1	0.12	0.3	9	25	16	2.69	5	0.5	0.1	30	0.36	325	1	0.01	18	380	16	1	3	15	0.03	5	5	41	5	68
VR58271	A9827801	3	0.1	1.71	18	110	0.3	1	0.1	0.3	8	28	17	2.94	5	0.5	0.08	20	0.44	380	1	0.01	19	420	18	1	3	15	0.04	5	5	39	5	62
VR58272	A9827801	3	0.1	1.76	18	120	0.3	1	0.07	0.3	16	32	26	3.47	5	0.5	0.09	20	0.26	1240	1	0.01	16	990	16	1	0.5	14	0.02	5	5	66	5	56
VR58273	A9827801	3	0.1	1.83	16	120	0.5	2	0.09	0.3	8	32	32	4.28	5	0.5	0.1	20	0.27	535	3	0.01	16	890	14	1	1	13	0.03	5	5	59	5	60
VR58274	A9827801	3	0.1	2.11	10	130	0.3	1	0.07	0.3	21	34	26	4.53	5	0.5	0.11	20	0.34	3280	1	0.01	19	1110	18	1	1	13	0.04	5	5	47	5	60
VR58275	A9827801	15	0.1	1.51	18	80	0.3	1	0.13	0.3	9	30	18	2.98	5	0.5	0.05	10	0.34	545	1	0.01	17	590	12	1	1	13	0.06	5	5	52	5	54
VR58276	A9827801	3	0.1	1.76	16	160	0.3	1	0.08	0.3	23	31	37	4.29	5	0.5	0.08	20	0.22	2660	3	0.01	20	1270	22	2	0.5	20	0.03	5	5	65	5	78
VR58307	A9828573	3	0.1	2.08	32	120	0.5	1	0.29	0.3	8	28	20	3.33	5	0.5	0.06	10	0.39	490	1	0.01	21	690	42	16	2	42	0.04	5	5	44	5	166
VR58308	A9828573	175	0.1	1.83	466	100	0.3	48	0.15	0.3	42	26	21	2.89	5	0.5	0.04	30	0.43	345	1	0.01	26	430	16	1	3	15	0.05	5	5	45	5	74
VR58309	A9828573	10	0.1	2.42	42	130	0.3	1	0.16	0.3	18	29	34	2.99	5	0.5	0.07	10	0.45	510	1	0.01	35	640	92	2	1	38	0.04	5	5	49	5	126
VR58310	A9828573	3	0.1	3.12	94	40	1.5	1	0.75	0.3	10	11	213	8.98	5	0.5	0.1	20	0.14	205	7	0.1	7	1520	62	1	3	89	0.05	5	5	35	5	58
VR58311	A9828573	3	0.1	3.07	82	40	1.5	1	0.79	0.3	10	11	204	8.44	5	0.5	0.1	20	0.13	200	7	0.1	6	1490	58	1	3	89	0.06	5	5	35	5	58
VR58312	A9828573	10	0.1	3.42	188	170	0.5	2	0.27	0.3	25	34	40	3.01	5	0.5	0.11	10	0.62	620	2	0.01	31	1110	24	6	3	85	0.06	5	5	53	5	70
VR58313	A9828573	460	1.2	0.16	472	30	0.3	104	0.4	0.5	11	2	188	15	5	3	0.09	5	0.03	830	0.5	0.01	9	3910	40	12	0.5	16	0.01	5	10	4	10	52
VR58314	A9828573	150	0.1	1.87	48	80	0.3	1	0.14	0.3	13	27	44	3.56	5	0.5	0.05	20	0.39	480	1	0.01	31	680	34	1	2	17	0.05	5	5	46	5	98
VR58315	A9828573	20	0.1	3.46	16	100	1	1	0.34	0.5	54	23	63	5.39	5	0.5	0.06	20	0.5	1210	3	0.04	82	1220	76	1	4	62	0.04	5	5	32	5	250
VR58316	A9828573	3	0.1	1.32	14	80	0.3	1	0.12	0.3	9	20	17	2.86	5	0.5	0.05	10	0.34	535	0.5	0.01	21	510	26	1	2	11	0.03	5	5	33	5	64
VR58317	A9828573	5	0.2	0.89	24	160	1.5	1	0.79	0.5	15	16	26	5.2	5	0.5	0.09	40	0.29	1835	3	0.01	17	770	66	4	8	62	0.01	5	5	30	5	132
VR58318	A9828573	3	0.2	0.38	8	70	0.5	1	0.16	0.3	18	7	38	4.49	5	0.5	0.1	70	0.1	955	0.5	0.01	34	580	30	6	6	24	0.01	5	5	13	5	60

KENNECOTT CANADA EXPLORATION INC.

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SAMPLE	Certificate	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
Number	Number	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
VR58319	A9828573	3	0.1	0.85	24	180	0.3	1	1.19	0.5	25	10	28	3.68	5	0.5	0.11	5	0.18	1805	3	0.01	39	1120	68	2	5	72	0.01	5	5	15	5	128
VR58320	A9828573	3	0.4	1.17	36	240	2	1	0.72	2	19	52	44	6.84	5	0.5	0.09	50	0.42	1915	4	0.01	20	2580	318	1	17	87	0.02	5	5	83	5	484
VR58321	A9828573	3	0.1	1.28	32	120	1	1	0.23	0.3	19	23	51	4.25	5	0.5	0.08	20	0.53	1005	4	0.01	33	700	50	1	7	30	0.01	5	5	29	5	122
VR58322	A9828573	3	0.1	1.61	8	140	0.5	1	0.06	0.3	19	27	43	5.1	5	0.5	0.08	5	0.42	1825	1	0.01	19	1400	26	2	1	10	0.01	5	5	49	5	82
VR58323	A9828573	3	0.1	1.91	4	100	0.3	1	0.12	0.3	12	27	20	3.09	5	0.5	0.05	5	0.52	490	1	0.01	24	430	20	1	3	13	0.03	5	5	37	5	68
VR58324	A9828573	3	0.1	0.52	10	140	0.5	1	0.05	0.5	16	9	27	3.15	5	0.5	0.12	10	0.05	345	0.5	0.01	30	150	34	1	4	48	0.01	5	5	11	5	166
VR58325	A9828573	3	0.1	1.25	6	110	0.5	1	0.24	0.3	7	18	21	3.1	5	1	0.06	10	0.23	315	1	0.01	16	800	14	1	1	24	0.01	5	5	35	5	54
VR58326	A9828573	3	0.1	1.33	16	110	0.5	1	0.66	0.3	11	21	21	3.19	5	0.5	0.06	10	0.46	530	1	0.01	24	440	24	1	5	34	0.02	5	5	31	5	72
VR58351	A9827801	0	0.1	0.95	138	90	0.5	1	0.04	0.3	5	21	63	5.14	5	0.5	0.15	80	0.13	255	3	0.01	11	1390	30	14	3	27	0.01	5	5	31	5	38
VR58352	A9827801	30	0.1	1.63	120	160	0.5	1	0.17	0.3	11	30	60	3.71	5	0.5	0.16	40	0.39	290	2	0.01	25	710	22	10	4	25	0.06	5	5	45	5	82
VR58354	A9827801	25	0.1	2.13	66	160	0.5	1	0.09	0.3	19	33	66	3.96	5	0.5	0.21	50	0.43	590	3	0.01	28	780	24	4	3	28	0.04	5	5	44	5	74
VR58355	A9827801	10	0.1	1.52	208	90	0.3	2	0.12	0.3	9	28	52	3.05	5	0.5	0.07	30	0.39	325	1	0.01	20	490	24	4	3	15	0.05	5	5	42	5	68
VR58356	A9827801	3	0.2	1.13	56	100	0.3	2	0.06	0.3	5	22	33	2.53	5	0.5	0.09	20	0.2	215	1	0.01	12	750	10	2	0.5	15	0.03	5	5	40	5	56
VR58357	A9827801	3	0.1	1.66	34	110	0.3	1	0.11	0.3	10	30	26	2.8	5	0.5	0.1	30	0.38	295	1	0.01	19	460	8	1	3	15	0.06	5	5	42	5	48
VR58358	A9827801	3	0.1	1.62	88	130	0.5	1	0.12	0.3	8	28	36	2.74	5	0.5	0.09	30	0.42	265	1	0.01	21	600	8	2	3	17	0.05	5	5	41	5	62
VR58359	A9827801	3	0.1	1.02	72	90	0.3	2	0.06	0.3	5	20	34	2.55	5	0.5	0.06	20	0.16	170	1	0.01	12	470	10	2	1	12	0.04	5	5	45	5	42
VR58360	A9827801	10	0.1	1.57	116	120	0.5	1	0.26	0.3	10	24	48	2.35	5	0.5	0.07	20	0.44	290	1	0.01	22	790	10	1	3	24	0.06	5	5	43	5	60
VR58361	A9827801	50	0.4	1.35	294	90	0.5	2	0.06	0.3	8	24	116	3.15	5	0.5	0.08	30	0.27	185	1	0.01	18	680	40	10	1	17	0.02	5	5	36	5	56
VR58362	A9827801	30	0.1	1.17	76	80	0.3	1	0.13	0.3	7	20	24	2.57	5	0.5	0.05	10	0.26	310	2	0.01	15	540	12	2	1	13	0.05	5	5	45	5	42
VR58363	A9827801	25	0.1	1.65	76	70	0.3	2	0.06	0.3	7	30	28	3.16	5	0.5	0.05	10	0.27	295	1	0.01	12	370	18	6	3	10	0.04	5	5	51	5	52
VR58364	A9827801	10	0.2	1.18	170	100	0.3	2	0.06	0.3	6	22	43	2.97	5	1	0.11	30	0.23	295	3	0.01	12	580	26	4	1	14	0.02	5	5	35	5	44
VR58365	A9827801	3	0.2	1.17	182	100	0.3	1	0.1	0.3	7	21	56	3.1	5	0.5	0.12	30	0.24	280	1	0.01	15	1030	24	12	1	15	0.02	5	5	34	5	48
VR58366	A9827801	15	0.2	1.36	160	110	0.3	2	0.12	0.3	8	25	38	2.95	5	0.5	0.11	30	0.3	340	2	0.01	16	570	30	10	2	16	0.04	5	5	41	5	52
VR58367	A9827801	3	0.2	1.06	72	170	0.3	1	0.11	0.3	5	19	44	2.69	5	0.5	0.14	50	0.22	240	1	0.01	11	630	30	8	1	22	0.02	5	5	30	5	38
VR58368	A9827801	5	0.1	1.11	38	140	0.3	1	0.09	0.3	7	21	31	2.58	5	0.5	0.11	40	0.28	265	1	0.01	14	400	10	2	3	17	0.03	5	5	33	5	38
VR58369	A9827801	3	0.1	1.31	70	110	0.3	1	0.08	0.3	5	27	31	3.88	5	0.5	0.11	30	0.21	265	3	0.01	13	690	20	4	1	18	0.05	5	5	53	5	48
VR58370	A9827801	3	0.1	0.81	14	160	0.3	1	0.34	0.3	8	18	18	2.56	5	0.5	0.12	30	0.21	260	1	0.01	23	620	16	1	4	36	0.03	5	5	28	5	62
VR58371	A9827801	3	0.1	1.02	12	160	0.3	1	0.26	0.3	9	19	14	2.81	5	0.5	0.09	10	0.21	700	1	0.01	19	440	16	2	3	19	0.01	5	5	26	5	60
VR58372	A9827801	3	0.1	1.32	14	150	0.3	1	0.11	0.3	10	23	17	2.93	5	0.5	0.08	10	0.29	385	1	0.01	21	720	22	2	2	16	0.02	5	5	41	5	64
VR58373	A9827801	3	0.1	1.45	8	160	0.3	1	0.18	0.3	8	24	14	2.26	5	0.5	0.09	10	0.36	180	1	0.01	19	410	14	1	3	17	0.03	5	5	31	5	52
VR58374	A9827801	3	0.1	1.16	14	100	0.3	1	0.07	0.3	11	19	32	3.39	5	0.5	0.09	10	0.21	330	1	0.01	32	390	24	1	3	29	0.02	5	5	30	5	90
VR58375	A9827801	3	0.1	1.47	14	130	0.3	1	0.14	0.3	9	20	16	4.18	5	0.5	0.04	5	0.3	770	1	0.01	21	510	32	1	3	11	0.01	5	5	30	5	60
VR58376	A9827801	3	0.1	1.54	18	120	0.3	1	0.09	0.3	8	24	13	2.86	5	0.5	0.06	10	0.32	375	1	0.01	16	340	18	2	2	12	0.03	5	5	41	5	56
VR58377	A9827801	3	0.1	1.09	8	120	0.3	1	0.06	0.3	9	21	17	2.68	5	0.5	0.11	20	0.13	305	1	0.01	20	640	32	1	1	10	0.01	5	5	32	5	64
VR58378	A9827801	3	0.1	1.04	14	220	0.5	1	0.2	0.3	13	16	24	3.27	5	0.5	0.11	20	0.22	545	2	0.01	31	300	32	1	4	19	0.01	5	5	22	5	102
VR58379	A9827801	3	0.1	1.21	12	140	0.5	1	0.18	0.3	9	20	20	2.93	5	0.5	0.09	30	0.23	370	1	0.01	24	400	18	1	3	21	0.01	5	5	28	5	66
VR58380	A9827801	3	0.1	0.92	10	140	0.5	1	0.13	0.3	11	17	23	3.01	5	0.5	0.16	30	0.16	390	1	0.01	23	490	28	1	3	30	0.01	5	5	22	5	74
VR58381	A9827801	3	0.1	1.34	10	120	0.3	1	0.07	0.3	9	22	18	2.86	5	0.5	0.09	10	0.24	485	1	0.01	19	400	18	1	2	14	0.01	5	5	37	5	60
VR58382	A9827801	3	0.1	1.83	6	140	0.3	1	0.1	0.3	12	29	21	3.09	5	0.5	0.08	10	0.39	1240	0.5	0.01	19	510	12	1	3	13	0.03	5	5	44	5	54
VR58383	A9827801	3	0.1	1.53	26	160	0.5	1	0.04	0.3	16	24	43	2.7	5	0.5	0.13	5	0.38	900	2	0.01	21	260	8	2	3	13	0.01	5	5	25	5	64
VR58384	A9827801	3	0.1	1.82	16	150	0.5	1	0.11	0.3	11	28	17	3.29	5	0.5	0.1	10	0.36	495	1	0.01	19	360	18	2	4	20	0.03	5	5	43	5	60
VR58385	A9827801	3	0.1	1.8	12	90	0.3	1	0.13	0.3	9	28	14	2.87	5	0.5	0.06	10	0.43	365	1	0.01	17	420	16	2	3	13	0.05	5	5	42	5	52
VR58386	A9827801	3	0.1	1.9	14	120	0.3	1	0.11	0.3	10	29	14	3.62	5	0.5	0.09	10	0.38	365	0.5	0.01	17	290	16	1	3	18	0.04	5	5	47	5	50
VR58387	A9827801	3	0.1	2.1	90	110	0.3	1	0.11	0.3	11	31	19	3.65	5	1	0.11	20	0.4	570	1	0.01	19	600	16	1	3	15	0.04	5	5	49	5	66
VR58388	A9827801	3	0.1	1.7	50	160	0.5	1	0.07	0.3	14	18	25	3.72	5	0.5	0.16	50	0.36	750	1	0.01	19	420	26	2	3	16	0.01	5	5	24	5	86
VR58389	A9827801	3	0.1	0.73	144	190	1	1	0.17	0.3	18	9	16	5.93	5	0.5	0.12	60	0.11	1450	2	0.01	12	720	64	12	10	131	0.01	5	5	45	5	122
VR58390	A9827801	10	0.2	0.51	1770	190	0.3	1	0.01	0.3	9	10	71	9.04	5	0.5	0.2	40	0.05	155	5	0.01	13	560	116	38	2	77	0.01	5	5	21	5	110
VR58391	A9827801	3	0.1	1.09	22	120	0.3	1	0.07	0.3	7	21	44	3.15	5	0.5	0.08	10	0.16	390	3	0.01	18	1660	14	1	0.5	24	0.01	5	5	41	5	66
VR58392	A9827801	3	0.1	1.14	10	210	1	1	0.85	0.3	14	19	31	3.68	5	0.5	0.19	40	0.48	675	2	0.01	28	1210	26	1	6	46	0.01	5	5	21	5	88
VR58393	A9827801	30	0.2	2.8	296	210	2.5	1	1.49	0.3	31	42	94	6.18	5	0.5	0.39	80	0.88	1390	4	0.01	32	2620	82	10	15	128	0.06	5	5	102	5	154
VR58394	A9827801	3	0.1	2.61	140	70	1.5	1	0.07	0.3	24	25	65	5.11	5	0.5	0.13	30	0.46	770	1	0.01	32	610	98	6	3	26	0.03	5	5	34	5	154
VR58395	A9827801	10	0.1	0.84	70	50	0.3	1	0.05	0.3	9	12	19	1.76	5	0.5	0.06	10	0.18	260	1	0.01	13	390	22	1	1	10	0.02	5	5	19	5	40

KENNECOTT CANADA EXPLORATION INC.

ANTIMONY MOUNTAIN PROPERTY- 1998 SOIL SAMPLE ANALYTICAL RESULTS

SAMPLE	Certificate	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
Number	Number	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
VR58396	A9827801	25	2.4	2.07	412	180	1.5	10	0.88	0.3	30	24	148	10.7	5	0.5	0.19	40	0.57	3470	3	0.01	58	900	98	20	5	85	0.03	5	5	34	5	104
VR58397	A9827801	3	0.1	2.7	246	150	2.5	8	0.49	0.3	38	26	107	6.23	5	0.5	0.26	40	0.85	2270	1	0.01	49	740	50	12	7	85	0.03	5	5	43	5	104
VR58398	A9827801	15	0.2	2.58	348	110	3	1	0.26	0.3	59	30	93	8.62	5	2	0.15	40	0.63	2290	2	0.01	62	640	138	20	7	149	0.03	5	5	41	5	202
VR58399	A9827801	10	1.8	2.1	664	200	1.5	8	0.5	2	34	33	136	8.27	5	0.5	0.23	50	0.78	2550	3	0.03	27	1250	370	36	10	115	0.06	5	5	72	5	362
VR58400	A9827801	10	5.6	1.88	792	160	1	34	0.36	2	20	30	63	6.62	5	0.5	0.37	50	0.45	910	1	0.03	27	970	816	180	6	72	0.01	5	5	44	5	378
VR58406	A9827801	80	0.1	2.69	90	130	1	1	0.28	0.3	27	37	114	4.4	5	0.5	0.21	30	0.63	750	8	0.01	35	1000	40	1	6	79	0.08	5	5	51	5	92
VR58407	A9827801	25	0.2	3.26	78	170	1	1	0.56	0.3	30	33	87	4.97	5	0.5	0.39	20	0.77	775	1	0.01	38	340	48	2	5	328	0.03	5	5	29	5	106
VR58408	A9827801	30	0.2	2.01	242	80	0.3	1	0.2	0.3	16	25	92	8.65	5	0.5	0.18	10	0.38	375	4	0.01	26	800	106	6	5	329	0.01	5	5	28	5	62
VR58410	A9827801	40	0.4	2.8	166	350	1.5	6	1.14	0.5	28	30	87	5.72	5	0.5	0.25	50	0.92	1320	2	0.03	38	1080	100	24	8	353	0.05	5	5	48	5	164
VR58411	A9827801	10	1	3.03	140	140	1	1	0.13	0.3	16	37	57	5.62	5	0.5	0.09	20	0.52	620	1	0.01	35	820	178	62	4	45	0.03	5	5	49	5	172
VR58412	A9827801	70	1	1.7	230	140	0.5	2	0.44	1	18	29	57	4.34	5	0.5	0.15	40	0.46	850	3	0.01	33	780	220	20	5	54	0.05	5	5	41	5	210
VR58413	A9827824	5	2.6	1.82	108	150	1	6	0.48	2	14	34	41	4.63	5	0.5	0.15	40	0.45	825	1	0.01	32	790	422	8	5	37	0.05	5	5	42	5	210
VR58416	A9827801	3	0.1	2	28	130	0.5	1	0.22	0.3	12	36	30	3.29	5	0.5	0.1	20	0.56	525	2	0.01	26	840	26	1	6	26	0.07	5	5	52	5	62
VR58417	A9827801	15	0.1	1.69	10	110	0.5	1	0.25	0.3	10	31	23	2.84	5	0.5	0.1	10	0.49	380	2	0.01	21	740	16	1	4	24	0.07	5	5	46	5	66
VR58419	A9827801	3	0.1	1.87	22	170	0.5	1	0.16	0.3	13	33	20	3.39	5	0.5	0.11	10	0.46	720	2	0.01	21	610	24	1	3	18	0.06	5	5	51	5	68
VR58420	A9827801	3	0.1	1.08	14	120	0.5	1	0.1	0.3	15	18	31	3.24	5	0.5	0.13	10	0.22	665	0.5	0.01	29	470	38	1	3	24	0.01	5	5	23	5	84
VR58421	A9827801	3	0.1	0.92	30	90	0.5	1	0.07	0.3	21	15	52	4.9	5	0.5	0.11	10	0.16	800	1	0.01	37	390	42	1	4	37	0.01	5	5	11	5	124
VR58422	A9827801	15	0.1	1.63	14	60	0.3	1	0.11	0.3	8	29	16	3.45	5	0.5	0.07	10	0.33	445	2	0.01	16	520	36	1	2	13	0.05	5	5	50	5	58
VR58423	A9827801	10	0.1	1.76	10	70	0.3	1	0.05	0.3	9	37	25	4.94	5	0.5	0.13	5	0.29	535	3	0.01	19	620	14	2	2	10	0.03	5	5	50	5	52
VR58425	A9827801	3	0.1	0.96	10	200	1.5	1	0.45	0.3	13	23	30	5.64	5	0.5	0.2	60	0.18	1235	3	0.01	17	1960	40	1	15	32	0.01	5	5	40	5	138
VR80369	A9821853	10	0.1	0.96	112	170	0.3	1	0.07	0.3	6	21	51	4.71	5	0.5	0.23	70	0.25	150	4	0.01	11	720	28	18	3	38	0.03	5	5	37	5	38
VR80370	A9821853	30	0.2	2.19	252	210	1	1	0.06	0.3	7	38	132	7.59	5	0.5	0.34	70	0.46	185	4	0.01	16	1520	50	20	10	50	0.08	5	20	80	5	54
VR80371	A9821853	295	0.8	3.01	1620	370	2	8	0.73	0.3	29	37	335	7.45	10	0.5	0.33	120	0.72	510	4	0.03	22	2050	76	16	11	224	0.07	5	30	92	5	62
VR80372	A9821853	10	0.1	1.7	118	90	0.5	1	0.21	0.3	13	29	32	3.15	5	0.5	0.07	30	0.47	345	2	0.01	27	670	14	1	3	21	0.07	5	5	53	5	64
VR80373	A9821853	45	0.2	2.88	986	200	1.5	1	0.13	0.3	30	34	141	5.4	5	0.5	0.28	90	0.71	510	5	0.01	35	970	36	8	5	48	0.1	5	5	58	5	104
VR80374	A9821853	3	0.1	2.43	22	160	2.5	1	0.15	0.3	20	35	42	3.84	5	0.5	0.15	20	0.63	545	3	0.01	31	530	16	1	4	31	0.08	5	5	53	5	70
VR80375	A9821853	3	0.1	2	32	130	2	1	0.17	0.3	14	30	40	3.41	5	0.5	0.16	30	0.52	380	3	0.01	25	490	12	2	3	37	0.09	5	5	49	5	62
VR80376	A9821853	3	0.1	2.04	18	80	1.5	1	0.14	0.3	13	31	37	3.56	5	0.5	0.1	20	0.47	685	3	0.01	21	1040	20	2	1	34	0.07	5	5	51	5	70
VR80377	A9821853	3	0.1	1.6	20	100	0.5	1	0.06	0.3	18	27	25	4.87	5	0.5	0.1	20	0.2	1590	3	0.01	16	790	24	1	2	26	0.11	5	5	67	5	66
VR80378	A9821853	3	0.1	2.39	16	130	1	1	0.18	0.3	16	29	30	3.44	5	0.5	0.14	20	0.49	490	1	0.01	23	690	16	1	3	65	0.06	5	5	44	5	66
VR80379	A9821853	3	0.1	2.05	16	130	1	1	0.13	0.3	14	28	23	3.06	5	0.5	0.17	10	0.47	405	1	0.01	21	680	14	1	3	41	0.04	5	5	39	5	54
VR80380	A9821853	15	0.1	1.84	40	150	0.5	1	0.19	0.3	17	27	24	3.31	5	0.5	0.18	10	0.51	645	2	0.01	21	820	18	2	3	32	0.04	5	5	39	5	56
VR80381	A9821853	30	0.1	1.42	10	100	0.3	1	0.09	0.3	9	24	15	2.93	5	0.5	0.08	10	0.38	390	1	0.01	17	420	10	1	2	13	0.03	5	5	39	5	52
VR80382	A9821853	5	0.1	1.72	10	130	0.3	1	0.11	0.3	7	26	14	2.96	5	0.5	0.1	10	0.4	315	2	0.01	16	420	8	1	1	15	0.02	5	5	41	5	50
VR80383	A9821853	3	0.1	2.25	8	210	0.5	1	0.32	0.3	16	26	20	3.82	5	0.5	0.14	30	0.31	950	2	0.01	20	880	42	1	3	25	0.01	5	5	44	5	72
VR80384	A9821853	3	0.1	2.24	40	80	0.3	1	0.08	0.3	6	36	21	5.81	5	0.5	0.1	10	0.28	275	3	0.01	12	610	22	2	3	16	0.06	5	5	55	5	46
VR80385	A9821853	3	0.2	0.62	42	80	0.5	2	0.01	0.3	6	7	23	3.5	5	0.5	0.21	50	0.05	335	1	0.01	11	260	32	16	1	23	0.01	5	5	10	5	22
VR80386	A9821852	0	0.1	0.79	1	160	0.25	1	0.06	0.3	3	13	21	1.1	5	0.5	0.04	5	0.07	120	1	0.01	10	1090	12	1	0.5	10	0.01	5	5	17	5	16
VR80476	A9823580	1245	1.4	0.52	14	160	0.3	554	0.01	0.3	3	12	66	11.25	5	0.5	0.4	10	0.07	220	1	0.03	6	570	348	16	1	29	0.01	5	10	13	5	36
VR80477	A9823580	15	0.1	1.71	10	40	2.5	1	0.01	0.3	9	21	111	12.3	5	0.5	0.13	50	0.35	265	5	0.01	16	1180	24	12	3	21	0.01	5	10	14	5	40
VR80478	A9823580	3	0.4	2.81	296	280	3	1	0.14	0.3	16	40	63	10	10	0.5	0.18	160	1.36	510	5	0.12	21	3300	124	8	13	106	0.02	5	10	108	5	126
VR80479	A9823580	125	0.6	0.86	198	210	0.5	1	0.01	0.3	5	15	62	10.5	5	0.5	0.2	70	0.19	125	1	0.01	9	1160	36	30	3	24	0.01	5	10	14	5	42
VR80480	A9823580	5	0.4	1.96	234	100	0.5	1	0.08	0.3	23	26	57	6.21	5	0.5	0.11	40	0.37	880	2	0.01	38	1010	66	14	6	29	0.03	5	5	37	5	126
VR80481	A9823580	5	0.2	2.64	60	90	1	1	0.46	0.3	14	31	44	4.86	5	0.5	0.1	10	0.46	450	2	0.03	24	490	80	10	4	214	0.05	5	5	41	5	94
VR80482	A9823580	3	0.2	1.74	20	100	0.5	1	0.2	0.3	13	22	30	2.79	5	0.5	0.05	10	0.41	375	2	0.01	28	410	60	2	3	33	0.03	5	5	34	5	90
VR80483	A9823580	3	0.1	1.72	14	110	0.5	1	0.11	0.3	8	30	17	2.85	5	0.5	0.07	10	0.38	380	3	0.01	16	470	20	1	3	17	0.05	5	10	49	5	50
VR80484	A9823580	3	0.1	2.15	26	200	1	1	0.44	0.3	14	32	21	2.91	5	0.5	0.16	30	0.56	510	2	0.01	27	400	18	4	4	53	0.04	5	5	38	5	52
VR80485	A9823580	5	0.1	1.59	8	140	0.5	1	0.18	0.3	11	27	20	2.88	5	0.5	0.13	30	0.41	320	1	0.01	22	510	14	1	3	33	0.05	5	5	37	5	54
VR80486	A9823580	10	0.1	2.04	6	140	0.5	1	0.9	0.3	9	29	15	2.99	5	0.5	0.1	20	0.45	420	2	0.01	19	650	16	2	3	56	0.03	5	5	36	5	60
VR80487	A9823580	35	0.4	1.23	8480	270	0.3	1	0.13	0.3	45	14	187	10.35	5	0.5	0.17	60	0.24	965	6	0.01	17	600	36	14	2	315	0.01	5	10	12	5	30
VR80488	A9823580	3	0.1	1.97	122	120	0.3	1	0.14	0.3	9	22	17	2.58	5	0.5	0.03	10	0.37	330	2	0.01	14	350	14	1	2	30	0.04	5	5	42	5	46
VR80489	A9823580	50	2.8	1.41	742	70	0.5	1	0.01	0.3	35	15	334	4.67	5	0.5	0.1	30	0.16	430	3	0.01	22	500	96	12	3	53	0.01	5	10	17	5	46

KENNECOTT CANADA EXPLORATION INC.

ANTIMONY MOUNTAIN PROPERTY- 1998 SOIL SAMPLE ANALYTICAL RESULTS

SAMPLE	Certificate	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
Number	Number	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
VR80490	A9823580	30	0.6	1.96	804	100	1	1	0.07	0.3	33	22	217	4.58	5	0.5	0.19	30	0.34	695	4	0.01	32	610	36	10	4	58	0.01	5	5	5	56	0
VR80491	A9823580	40	0.2	2.01	2900	130	2	1	0.24	0.3	59	23	136	6.13	5	0.5	0.19	100	0.37	985	11	0.01	30	1020	56	14	7	66	0.01	5	20	5	96	0
VR80492	A9823580	35	0.2	1.33	1185	140	1	1	0.26	0.3	40	22	137	4.1	5	0.5	0.16	50	0.38	810	4	0.01	33	860	66	6	4	63	0.03	5	10	5	106	0
VR80493	A9823580	30	0.4	2.05	1785	140	2	1	0.71	0.5	50	23	148	4.22	5	0.5	0.22	90	0.56	935	6	0.02	33	1110	84	6	5	186	0.03	5	20	5	132	0
VR80517	A9821852	10	0.1	2.1	14	110	0.25	1	0.11	0.3	6	32	30	3.12	5	0.5	0.1	10	0.61	230	1	0.01	17	820	12	1	2	33	0.09	5	5	55	5	48
VR80518	A9821852	55	1.2	3.69	804	90	3	2	0.13	0.5	50	27	186	8.73	5	0.5	0.09	30	0.37	1585	4	0.01	114	1900	118	10	8	40	0.04	5	5	44	5	202
VR80519	A9821852	5	0.1	1.82	22	70	0.25	1	0.14	0.3	10	31	20	3.56	5	0.5	0.05	10	0.49	340	1	0.01	20	830	8	1	3	15	0.07	5	5	48	5	56
VR80520	A9821852	100	0.1	1.61	196	120	0.25	2	0.1	0.3	5	23	52	3.68	5	0.5	0.11	30	0.28	200	2	0.01	14	960	18	4	1	22	0.04	5	5	44	5	58
VR80521	A9821852	10	0.1	1.9	122	90	0.5	1	0.14	0.3	14	25	29	3.34	5	0.5	0.05	10	0.44	355	0.5	0.01	27	800	16	2	2	21	0.06	5	5	40	5	146
VR80522	A9821852	5	0.1	3.07	10	150	3	1	0.15	0.3	20	38	60	4.4	5	0.5	0.14	20	0.72	1100	1	0.01	30	750	18	1	4	33	0.08	5	5	57	5	80
VR80523	A9821852	20	0.2	3.22	256	330	1.5	1	0.08	0.3	13	30	109	13.15	10	0.5	0.51	60	0.88	855	2	0.17	19	2250	58	6	9	364	0.12	5	5	104	5	78
VR80524	A9821852	10	0.2	1.97	22	100	0.5	1	0.09	0.3	8	28	31	4.7	5	0.5	0.08	10	0.45	325	1	0.01	17	740	14	1	2	34	0.05	5	5	47	5	78
VR80525	A9821852	15	0.1	1.72	64	130	0.5	4	0.1	0.3	8	26	38	4.37	5	0.5	0.06	10	0.35	230	3	0.02	19	1090	28	2	1	103	0.03	5	5	40	5	64
VR80526	A9821852	15	0.1	2.15	16	160	0.5	2	0.12	0.3	24	26	31	3.57	5	0.5	0.09	10	0.5	770	1	0.01	28	410	46	1	3	75	0.06	5	5	45	5	134
VR80527	A9821852	3	0.1	2.12	28	120	1.5	1	0.08	0.3	32	30	35	4.79	5	0.5	0.21	40	0.5	1090	1	0.01	28	1140	36	2	1	36	0.03	5	5	34	5	100
VR80528	A9821852	3	0.1	1.55	12	90	0.5	1	0.11	0.3	16	27	24	3.45	5	0.5	0.11	30	0.41	500	1	0.01	26	540	46	1	3	33	0.05	5	5	36	5	86
VR80529	A9821852	10	0.1	1.82	8	130	0.5	1	0.11	0.3	11	28	22	3.96	5	0.5	0.19	30	0.45	270	0.5	0.02	19	440	20	6	3	41	0.06	5	5	40	5	58
VR80530	A9821852	10	0.1	0.43	8	90	0.25	1	0.01	0.3	1	6	10	3.9	5	0.5	0.19	70	0.04	50	0.5	0.01	4	400	18	6	1	22	0.01	5	5	6	5	10
VR80531	A9821852	15	0.2	1.77	10	110	0.5	1	0.07	0.5	13	32	27	4.19	5	1	0.1	30	0.43	830	0.5	0.01	30	360	78	4	5	16	0.04	5	5	42	5	78
VR80532	A9821852	3	0.2	0.86	40	70	0.25	1	0.03	0.3	8	15	27	5.79	5	0.5	0.13	30	0.11	305	0.5	0.01	15	810	72	14	1	13	0.01	5	5	19	5	54
VR80533	A9821852	3	0.6	1.34	32	110	0.5	2	0.11	0.3	13	24	42	4.03	5	0.5	0.08	30	0.29	900	0.5	0.01	30	490	54	12	3	14	0.01	5	5	29	5	60
VR80534	A9821852	130	2.6	1.52	148	70	0.25	6	0.07	0.3	10	19	34	3.56	5	0.5	0.1	10	0.23	515	0.5	0.01	16	440	254	36	3	19	0.03	5	5	35	5	104
VR80535	A9821853	100	1.6	2.76	5500	290	2.5	1	0.62	0.5	79	33	587	6.12	10	0.5	0.24	120	0.84	650	4	0.03	30	1030	186	46	7	455	0.03	5	30	59	5	158
VR80536	A9821853	5	0.1	3.78	124	150	2.5	1	0.67	0.3	24	43	39	2.92	10	0.5	0.75	30	1.5	1910	5	0.01	56	320	8	2	8	83	0.11	5	5	132	5	58
VR80537	A9821853	15	0.2	1.83	170	100	0.3	1	0.18	0.3	11	26	54	2.98	5	0.5	0.06	30	0.47	360	2	0.01	24	520	10	1	3	22	0.07	5	5	44	5	58
VR80538	A9821853	3	0.1	1.88	34	100	0.3	1	0.11	0.3	7	30	23	3.28	5	0.5	0.1	10	0.44	360	2	0.01	15	360	8	1	3	17	0.08	5	5	66	5	50
VR80539	A9821853	10	0.1	2.04	20	110	0.3	1	0.13	0.3	9	32	19	3.19	5	0.5	0.05	10	0.47	405	3	0.01	20	510	12	1	3	13	0.06	5	5	60	5	62
VR80540	A9821853	80	0.2	1.64	272	100	0.3	1	0.14	0.3	7	29	60	3.35	5	0.5	0.07	20	0.39	245	3	0.01	19	740	12	2	2	19	0.05	5	5	47	5	52
VR80541	A9821853	5	0.1	2.27	16	110	1.5	1	0.1	0.3	26	31	35	3.83	5	0.5	0.08	20	0.47	840	3	0.01	25	480	18	1	3	16	0.07	5	5	55	5	70
VR80542	A9821853	3	0.1	1.64	20	120	1	1	0.18	0.3	11	30	29	3.71	5	0.5	0.08	50	0.41	825	1	0.01	28	440	16	2	4	22	0.06	5	5	47	5	54
VR80543	A9821853	3	0.1	1.74	12	100	0.3	1	0.19	0.3	11	26	15	2.69	5	0.5	0.06	20	0.47	490	1	0.01	23	600	10	1	3	19	0.07	5	5	45	5	66
VR80544	A9821853	3	0.1	1.66	12	80	0.3	1	0.09	0.3	6	27	13	2.97	5	0.5	0.06	20	0.32	235	2	0.01	15	300	22	1	2	13	0.04	5	5	53	5	48
VR80545	A9821853	3	0.1	1.53	12	80	0.3	1	0.08	0.3	9	24	16	2.62	5	0.5	0.06	20	0.39	320	1	0.01	21	290	14	1	2	10	0.03	5	5	37	5	56
VR80546	A9821853	3	0.1	1.57	12	90	0.3	1	0.07	0.3	6	23	14	2.66	5	0.5	0.05	20	0.34	290	1	0.01	18	290	30	1	2	9	0.03	5	5	43	5	54
VR80547	A9821853	3	0.1	1.6	10	90	0.3	1	0.07	0.3	8	23	15	2.6	5	0.5	0.04	10	0.37	345	1	0.01	18	350	12	1	2	10	0.03	5	5	38	5	48
VR80548	A9821853	3	0.1	1.66	8	180	0.5	1	0.18	0.3	13	34	18	3.64	5	0.5	0.05	20	0.52	1140	2	0.01	24	670	88	1	4	17	0.03	5	5	43	5	122
VR80550	A9821853	3	0.1	2.04	8	100	0.3	1	0.1	0.3	7	29	13	3.07	5	0.5	0.06	10	0.37	375	2	0.01	17	290	26	2	3	14	0.05	5	5	57	5	62
VR80672	A9821853	15	0.1	2.51	80	130	0.5	1	0.19	0.3	10	35	58	4.5	5	0.5	0.14	10	0.66	365	6	0.05	24	1470	12	2	4	92	0.12	5	5	75	5	60
VR80673	A9821853	3	0.1	2.2	24	110	0.5	1	0.08	0.3	6	38	27	2.85	10	0.5	0.18	10	0.64	280	3	0.01	17	610	16	1	4	17	0.11	5	5	96	5	42
VR80674	A9821853	3	0.1	1.39	18	80	0.3	1	0.07	0.3	4	26	22	3.22	5	0.5	0.06	20	0.18	240	2	0.01	11	580	16	2	1	12	0.05	5	5	57	5	48
VR80675	A9821853	15	0.1	1.36	18	200	0.3	1	0.13	0.3	11	27	35	4.07	5	0.5	0.23	30	0.39	295	3	0.04	19	580	16	6	3	26	0.05	5	5	43	5	60
VR80676	A9821853	15	1.2	2.18	90	120	0.3	2	0.15	0.3	9	31	23	3.04	5	0.5	0.07	20	0.51	345	2	0.01	22	460	204	8	3	16	0.06	5	5	50	5	68
VR80677	A9821853	3	0.1	1.78	10	90	0.3	1	0.16	0.3	8	28	23	2.91	5	0.5	0.07	20	0.48	290	2	0.01	20	560	14	1	3	16	0.06	5	5	47	5	60
VR80678	A9821853	3	0.1	1.49	12	140	0.5	1	0.1	0.3	13	22	18	3.47	5	0.5	0.11	30	0.3	860	3	0.01	16	540	16	1	2	18	0.04	5	5	40	5	66
VR80679	A9821853	3	0.1	2.01	10	200	0.5	1	0.06	0.3	32	29	32	4.03	5	0.5	0.09	40	0.75	5360	1	0.01	37	1170	22	2	0.5	15	0.01	5	5	33	5	86
VR80680	A9821853	3	0.1	1.53	12	60	0.3	1	0.08	0.3	7	29	39	3.83	5	0.5	0.05	10	0.33	360	2	0.01	17	500	12	2	1	12	0.04	5	5	58	5	54
VR80681	A9821853	3	0.1	2.17	12	120	0.3	1	0.15	0.3	12	31	20	3.12	5	0.5	0.07	20	0.47	415	2	0.01	21	280	10	1	4	15	0.07	5	5	53	5	54
VR80682	A9821853	3	0.1	0.67	20	180	1.5	1	6.67	0.3	8	14	11	2.17	5	0.5	0.11	40	1.34	1685	3	0.01	14	300	34	2	3	153	0.01	5	5	15	5	30
VR80683	A9821853	3	0.1	2.11	4	100	0.3	1	0.14	0.3	8	28	13	2.9	5	0.5	0.06	10	0.41	335	3	0.01	17	320	10	1	3	14	0.06	5	5	52	5	52
VR80684	A9821853	3	0.1	1.42	8	120	0.5	1	0.08	0.3	8	19	16	3.12	5	0.5	0.07	10	0.2	205	1	0.01	14	430	22	2	2	11	0.01	5	5	38	5	44
VR80685	A9821853	3	0.1	1.93	10	130	0.3	1	0.18	0.3	8	29	17	2.67	5	0.5	0.05	10	0.46	420	2	0.01	18	510	10	2	3	16	0.06	5	5	48	5	52
VR80686	A9821853	3	0.1	1.47	8	80	0.3	1	0.14	0.3	8	22	15	2.5	5	0.5	0.08	10	0.35	310	0.5	0.01	17	380	8	1	3	15	0.03	5	5	36	5	44

KENNECOTT CANADA EXPLORATION INC.

ANTIMONY MOUNTAIN PROPERTY- 1998 SOIL SAMPLE ANALYTICAL RESULTS

SAMPLE	Certificate	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
Number	Number	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
VR80687	A9821853	3	0.1	1.98	12	110	0.3	1	0.11	0.3	10	26	16	2.81	5	0.5	0.07	10	0.43	445	1	0.01	21	350	10	1	3	14	0.05	5	5	43	5	52
VR80688	A9821853	3	0.1	2.08	10	100	0.3	1	0.12	0.3	10	31	13	3.28	5	0.5	0.06	10	0.47	435	2	0.01	17	410	14	2	3	13	0.05	5	5	49	5	58
VR80801	A9821853	20	0.1	2.42	188	290	0.5	1	0.32	0.3	14	27	54	3.39	5	0.5	0.12	10	0.53	375	3	0.01	20	560	16	2	3	81	0.08	5	5	48	5	64
VR80802	A9821853	3	0.1	1.65	56	190	0.3	1	0.42	0.3	11	31	48	3.26	5	0.5	0.1	30	0.49	320	4	0.01	26	1230	10	2	4	38	0.08	5	5	58	5	74
VR80803	A9821853	3	0.1	2.32	88	180	0.5	1	0.23	0.3	9	26	37	3.64	5	0.5	0.11	10	0.38	305	4	0.01	18	1200	14	2	1	45	0.04	5	5	54	5	52
VR80804	A9821853	3	0.6	1.97	804	140	0.5	2	0.11	0.3	10	30	73	5.49	5	0.5	0.12	80	0.32	275	2	0.03	16	1000	132	46	1	89	0.03	5	5	53	5	122
VR80805	A9821853	3	0.1	2.3	20	120	0.3	1	0.19	0.3	10	34	30	3.25	5	0.5	0.1	20	0.6	435	2	0.01	20	730	8	1	4	22	0.07	5	5	55	5	62
VR80806	A9821853	3	1.6	1.76	50	90	0.3	2	0.14	0.3	11	28	38	3.52	5	0.5	0.09	30	0.5	350	2	0.01	22	440	110	34	3	29	0.07	5	5	45	5	76
VR80807	A9821853	3	0.1	1.94	12	200	0.5	1	0.36	0.3	15	31	31	3.41	5	0.5	0.15	40	0.71	795	2	0.01	28	590	12	8	6	26	0.06	5	5	48	5	60
VR80808	A9821853	170	3.8	0.84	78	80	0.3	16	0.04	0.3	5	13	42	7.47	5	1	0.14	50	0.08	275	3	0.01	8	520	938	154	1	35	0.01	5	5	22	5	106
VR80809	A9821853	3	0.1	2.1	10	90	0.3	1	0.12	0.3	7	30	14	3.03	5	0.5	0.07	10	0.41	315	3	0.01	14	550	18	1	2	13	0.05	5	5	50	5	54
VR80810	A9821853	3	0.1	1.93	12	100	0.3	1	0.13	0.3	8	29	16	2.98	5	0.5	0.07	20	0.42	390	1	0.01	16	410	14	1	3	15	0.06	5	5	51	5	54
VR80811	A9821853	3	0.1	2.14	12	110	0.3	1	0.14	0.3	9	33	32	3.28	5	0.5	0.08	20	0.48	380	3	0.01	19	690	12	2	2	17	0.05	5	5	58	5	62
VR80812	A9821853	5	0.1	1.72	12	90	0.3	1	0.12	0.3	9	28	17	3.06	5	0.5	0.09	20	0.33	335	2	0.01	17	420	8	1	3	17	0.06	5	5	54	5	48
VR80813	A9821853	3	0.1	1.44	12	130	0.5	1	0.14	0.3	10	22	20	2.8	5	0.5	0.11	40	0.33	660	1	0.01	20	410	12	2	3	19	0.04	5	5	36	5	42
VR80814	A9821853	3	0.1	2.55	6	110	0.3	1	0.11	0.3	10	33	16	3.32	5	0.5	0.05	10	0.44	360	2	0.01	19	350	12	1	3	12	0.06	5	5	55	5	54
VR80815	A9821853	3	0.2	1.38	20	150	1.5	1	0.1	0.3	19	20	37	3.58	5	0.5	0.14	30	0.27	2750	1	0.01	28	800	24	8	3	24	0.01	5	5	31	5	54
VR80816	A9821853	3	0.1	1.7	10	80	0.3	1	0.1	0.3	9	28	18	3.86	5	0.5	0.1	20	0.27	590	2	0.01	13	650	20	2	2	17	0.03	5	5	54	5	60

APPENDIX E

STREAM SEDIMENT ANALYTICAL RESULTS

KENNECOTT CANADA EXPLORATION INC.

ANTIMONY MOUNTAIN PROPERTY- 1998 STREAM SAMPLE ANALYTICAL RESULTS

SAMPLE	Certificate	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
Number	Number	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
VR22070	A9826868	-5	0.2	1.34	36	150	0.5	1	0.46	0.5	17	29	39	3.86	5	0.5	0.14	40	0.44	690	1	0.01	35	660	74	2	4	54	0.03	5	5	29	5	136
VR22072	A9826868	-5	0.4	1.63	232	160	1.5	1	0.75	1.5	19	29	60	4.56	5	0.5	0.15	50	0.6	835	1	0.01	28	1200	92	1	6	95	0.03	5	5	46	5	202
VR22075	A9826868	-5	0.1	1.19	10	220	0.5	1	0.34	0.3	15	23	40	3.72	5	0.5	0.11	10	0.35	705	1	0.01	31	520	30	1	4	46	0.01	5	5	18	5	108
VR22076	A9826868	-5	0.1	1.26	2	230	0.5	1	0.48	0.3	13	23	29	3.05	5	0.5	0.12	30	0.35	655	0.5	0.01	23	590	26	1	4	56	0.01	5	5	25	5	86
VR22116	A9826868	-5	0.1	0.9	28	170	0.5	1	0.74	0.3	13	18	28	3.05	5	0.5	0.11	20	0.29	425	1	0.01	27	640	48	1	3	58	0.01	5	5	18	5	110
VR22316	A9823904	90	4.4	1.69	418	130	1	24	0.5	1.5	22	27	126	5.59	5	0.5	0.19	50	0.45	930	0.5	0.02	38	840	388	216	5	69	0.04	5	5	41	5	216
VR22322	A9826868	25	0.1	1.1	14	130	0.5	1	0.72	0.5	12	22	25	3.19	5	0.5	0.07	20	0.4	555	1	0.01	26	760	76	2	4	49	0.02	5	5	28	5	144
VR22324	A9826868	10	1	1.46	70	150	0.5	2	0.53	2	21	29	49	4.64	5	2	0.13	40	0.47	1305	1	0.01	40	690	356	6	4	64	0.01	5	5	28	5	282
VR22326	A9826868	-5	0.1	1.78	24	270	1	1	0.48	0.5	15	35	43	3.62	5	0.5	0.16	30	0.8	910	3	0.01	35	850	44	4	5	68	0.03	5	5	37	5	126
VR22328	A9826868	-5	0.1	0.85	6	190	0.5	1	0.33	0.3	12	20	24	2.69	5	0.5	0.1	10	0.28	535	0.5	0.01	21	500	26	1	3	34	0.01	5	5	22	5	66
VR22330	A9826868	10	0.1	1.46	62	140	2	1	0.24	1.5	18	20	39	3.44	5	1	0.09	40	0.37	840	2	0.01	61	790	56	1	3	45	0.01	5	5	28	5	290
VR22331	A9827824	30	1.2	7.59	1130	120	12.5	2	0.31	4.5	333	21	1310	2.15	-10	-1	0.1	110	0.36	5190	5	0.01	395	1180	48	6	4	28	0.04	-10	-10	34	-10	450
VR22332	A9827824	40	0.6	3.57	1350	160	2.5	-2	0.54	1	88	36	396	3.85	-10	-1	0.24	40	0.79	1690	14	0.01	161	1430	36	2	6	53	0.08	-10	40	75	-10	348
VR22333	A9827824	-5	0.2	1.73	800	130	1.5	-2	0.55	-0.5	11	25	102	2.51	-10	-1	0.09	30	0.57	495	4	0.02	23	990	20	-2	4	76	0.07	-10	10	46	-10	82
VR22334	A9827824	-5	0.2	2.6	110	150	2.5	-2	1.26	0.5	27	35	96	5.44	-10	-1	0.19	90	0.86	1410	6	0.01	26	3000	68	2	12	93	0.08	-10	20	109	-10	180
VR22336	A9827824	-5	0.2	1.12	14	160	0.5	-2	0.72	0.5	13	23	36	3.25	-10	-1	0.18	20	0.48	590	5	-0.01	32	1210	22	2	4	33	0.01	-10	-10	34	-10	118
VR22337	A9827824	20	0.2	2	340	130	2.5	-2	1.51	-0.5	23	27	78	4.84	-10	-1	0.18	110	0.78	1115	4	0.02	20	3990	58	4	10	124	0.05	-10	30	92	-10	132
VR22339	A9827824	30	0.2	2.39	240	180	2	2	1.08	1	27	32	74	5.29	-10	-1	0.17	70	0.77	1410	5	0.01	30	2120	58	2	10	93	0.06	-10	20	84	-10	174
VR22341	A9827824	30	2.4	2.21	610	190	1	-2	0.75	2.5	26	31	67	6.06	-10	-1	0.19	40	0.93	1400	3	0.03	22	1280	592	36	11	90	0.08	-10	-10	76	-10	348
VR22342	A9827824	30	0.2	1.56	280	120	1.5	-2	0.82	0.5	15	26	55	3.16	-10	-1	0.15	50	0.55	735	4	0.01	30	1570	46	2	5	48	0.06	-10	10	54	-10	106
VR22344	A9827824	15	0.2	1.58	86	120	0.5	-2	0.47	0.5	14	28	35	2.92	-10	-1	0.12	30	0.5	745	3	0.01	27	990	52	4	4	30	0.07	-10	20	46	-10	120
VR22345	A9827824	230	0.2	2.51	1090	120	2	4	0.91	0.5	12	25	129	3.17	-10	-1	0.11	50	0.63	660	4	0.03	14	1450	52	2	5	194	0.04	-10	60	48	-10	86
VR22346	A9827824	105	0.4	2.48	1030	140	2	8	0.86	-0.5	14	24	310	2.78	-10	-1	0.14	40	0.63	500	4	0.03	15	1160	48	2	4	231	0.06	-10	60	49	-10	76
VR22150	A9829276	5	-0.2	1.45	6	180	0.5	-2	0.27	-0.5	13	33	32	3.28	-10	-1	0.12	10	0.46	580	2	-0.01	31	510	30	-2	4	38	0.01	-10	-10	26	-10	88
VR22151	A9829276	10	0.4	2.57	38	250	2	-2	0.53	1	21	41	72	4.49	-10	-1	0.26	40	0.75	1295	5	0.01	49	1170	56	8	6	87	0.05	-10	-10	58	-10	184
VR22152	A9829276	-5	-0.2	1.59	6	300	0.5	-2	0.35	-0.5	10	29	22	2.55	-10	-1	0.15	10	0.37	575	-1	0.01	21	590	18	-2	4	50	0.01	-10	-10	30	-10	74
VR22153	A9829276	-5	0.2	1.56	22	200	0.5	-2	0.57	-0.5	9	33	28	2.73	-10	-1	0.15	30	0.41	485	3	-0.01	25	760	36	-2	3	49	0.02	-10	-10	34	-10	74
VR22154	A9829276	180	1	2.04	220	160	0.5	-2	0.49	0.5	10	39	65	2.97	-10	-1	0.17	30	0.53	345	2	-0.01	30	1200	54	6	4	46	0.03	-10	-10	50	-10	94
VR22216	A9829276	10	-0.2	1.83	10	200	0.5	-2	0.45	-0.5	17	32	36	3.23	-10	-1	0.2	40	0.52	750	2	0.01	28	850	30	2	4	48	0.04	-10	-10	40	-10	98
VR22217	A9829276	50	-0.2	1.58	18	230	0.5	-2	0.37	0.5	11	34	28	2.82	-10	-1	0.13	20	0.45	580	1	-0.01	26	720	22	-2	4	43	0.05	-10	-10	43	-10	82
VR22218	A9829276	-5	-0.2	1.17	8	250	0.5	-2	0.26	-0.5	14	28	26	3.1	-10	-1	0.16	20	0.29	725	1	-0.01	27	530	22	-2	4	34	0.01	-10	-10	26	-10	70
VR22219	A9829276	-5	-0.2	1.62	-2	320	0.5	-2	0.71	-0.5	8	27	22	2.13	-10	-1	0.13	10	0.37	375	-1	-0.01	18	740	22	-2	3	58	0.01	-10	-10	25	-10	68
VR22220	A9829276	-5	0.6	1.39	-2	230	0.5	-2	0.78	-0.5	7	36	21	2.16	-10	-1	0.21	10	0.28	355	1	-0.01	24	670	52	-2	4	55	-0.01	-10	-10	17	-10	96
VR22221	A9829276	10	0.4	1.76	34	220	0.5	-2	0.63	1.5	14	39	84	2.82	-10	1	0.19	30	0.49	565	3	0.01	37	1150	28	6	4	63	0.03	-10	-10	40	-10	128

APPENDIX F

PAN CONCENTRATE ANALYTICAL RESULTS

KENNECOTT CANADA EXPLORATION INC.															
ANTIMONY MOUNTAIN PROPERTY-1998 PAN CONCENTRATE ANALYTICAL RESULTS															
Sample	Certificate	Au	Ag	As	Br	Ce	Co	Cr	La	Mo	Sb	Ta	Th	U	W
Number	Number	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
VR22071	A9827432	600	16	97	3	120	-20	170	54	-5	20	-2	23	4	400
VR22073	A9827432	17	-10	775	5	120	-20	230	55	-5	11	2	31	14	23
VR22074	A9826796	5	5	23	-2	89	10	150	39	3	4	2	22	6	3
VR22077	A9826796	13	5	15	3	100	20	120	41	3	3	-2	20	4	3
VR22117	A9827432	-10	-10	24	3	100	-20	160	44	-5	6	-2	20	4	-5
VR22323	A9828574	-10	-10	25	2	45	22	310	33	-5	5	-2	15	4	-5
VR22325	A9826796	10	5	66	2	100	10	200	49	3	17	2	18	5	5
VR22327	A9826796	5	5	25	3	110	10	50	45	3	10	-2	17	5	7
VR22329	A9826796	5	5	8	-2	140	10	50	59	3	1	2	28	5	3
VR22335	A9827794	810	-10	47	-2	370	-20	350	150	-5	9	4	57	28	93
VR22338	A9827794	1480	-10	83	-2	130	-20	-100	65	-5	7	3	44	20	7
VR22340	A9827794	33	-10	65	2	140	-20	120	56	-5	7	-2	25	11	8
VR22343	A9827794	120	-10	140	2	110	-20	170	59	-5	7	-2	31	15	68

APPENDIX G

ROCK SAMPLE ANALYTICAL RESULTS

KENNECOTT CANADA EXPLORATION INC.

ANTIMONY MOUNTAIN PROPERTY-1998 ROCK SAMPLE ANALYTICAL RESULTS

Sample	Certificate	Au	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
Number	Number	ppb	g/t FA	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
VR31854	A9826869	-5		0.2	1.32	210	60	-0.5	-2	0.8	0.5	20	40	45	3.28	-10	-1	0.09	40	0.21	255	3	0.1	11	1250	54	1	3	86	0.12	-10	-10	28	-10	78
VR31855	A9826869	175		0.2	0.97	64	40	0.5	2	1.11	-0.5	7	82	365	2.32	-10	-1	0.24	50	0.47	300	4	0.06	6	510	32	1	4	62	0.05	-10	-10	33	-10	58
VR31856	A9826869	1740		1.2	1.12	180	50	0.5	36	0.71	-0.5	21	97	2110	2.47	-10	-1	0.31	50	0.75	285	7	0.06	8	590	20	1	4	35	0.1	-10	-10	40	-10	54
VR31857	A9826869	475		0.6	0.8	1830	30	0.5	-2	0.18	-0.5	5	53	92	2.14	-10	1	0.12	30	0.08	85	5	0.01	3	460	40	40	4	24	0.01	-10	10	12	-10	30
VR31858	A9826869	45		-0.2	0.67	42	60	1.5	-2	3.29	-0.5	3	55	74	1.77	-10	-1	0.09	40	0.16	330	3	0.03	4	450	26	1	4	115	0.01	-10	-10	29	-10	36
VR31859	A9826869	30		-0.2	0.66	3390	50	-0.5	-2	0.18	-0.5	3	38	6	2.28	-10	1	0.12	40	0.04	165	5	0.01	3	460	46	60	3	36	0.01	-10	-10	10	-10	28
VR31860	A9826869	140		-0.2	0.7	534	30	0.5	-2	0.47	-0.5	5	62	7	2.7	-10	-1	0.11	40	0.03	290	4	0.01	4	510	38	12	4	41	0.01	-10	-10	15	-10	38
VR31861	A9826869	30		-0.2	1.39	296	100	1.5	-2	2.32	-0.5	7	54	31	2.44	-10	-1	0.2	50	0.65	285	3	0.03	7	1090	16	1	8	118	0.05	-10	-10	63	-10	42
VR31862	A9826869	20		-0.2	1.01	78	20	0.5	-2	1.22	-0.5	5	54	11	2.88	-10	-1	0.04	20	0.28	270	8	0.01	4	310	36	2	4	88	0.01	-10	10	20	-10	30
VR31863	A9826869	155		0.4	0.73	160	50	0.5	-2	0.47	-0.5	6	90	145	1.52	-10	-1	0.26	40	0.39	220	5	0.08	5	450	22	1	2	47	0.09	-10	-10	24	-10	30
VR31864	A9826869	65		0.8	0.83	182	50	0.5	-2	0.46	-0.5	5	91	205	1.6	-10	-1	0.27	40	0.4	210	4	0.08	5	420	20	1	2	58	0.09	-10	-10	23	-10	30
VR31865	A9826869	135		0.8	1.02	2000	100	0.5	-28	2.73	-0.5	18	98	174	3.5	-10	1	0.21	30	0.31	330	7	0.01	8	870	66	18	5	69	0.01	-10	-10	27	-10	30
VR31866	A9826869	-5		-0.2	2.49	16	160	-0.5	-2	1.6	-0.5	12	45	7	4.06	-10	-1	0.14	30	1.5	515	2	0.04	6	830	14	1	8	73	0.16	-10	-10	56	-10	60
VR31879	A9828555	950		1.4	0.62	6	230	-0.5	440	-0.01	-0.5	2	29	35	6.49	-10	-1	0.48	10	0.03	85	-1	-0.01	1	320	496	10	-1	16	-0.01	-10	-10	10	-10	12
VR31880	A9828555	10		0.6	0.35	64	100	-0.5	6	-0.01	-0.5	3	70	54	2.6	-10	-1	0.18	20	0.01	45	2	0.01	5	260	148	-2	-1	17	-0.01	-10	-10	3	-10	192
VR31881	A9828555	15		1.8	3.19	388	300	0.5	38	0.02	0.5	7	47	64	4.64	10	-1	0.72	30	0.71	210	1	0.01	25	320	584	4	4	37	0.04	-10	-10	27	-10	214
VR31882	A9828555	-5		4.8	0.11	26	10	-0.5	208	-0.01	0.5	8	49	117	7.87	-10	1	0.02	-10	0.01	190	1	-0.01	6	560	2210	52	-1	15	-0.01	-10	-10	2	-10	748
VR31883	A9828555	-5		0.2	1.2	96	60	-0.5	8	0.8	-0.5	19	21	108	4.1	-10	-1	0.09	40	0.87	210	3	0.01	12	2260	34	-2	9	43	0.18	-10	-10	101	-10	34
VR31884	A9828555	-5		-0.2	0.9	8	80	0.5	-2	0.02	-0.5	18	117	47	2.75	-10	-1	0.18	50	0.1	385	2	-0.01	38	190	30	2	1	5	-0.01	-10	-10	5	-10	28
VR31885	A9828555	-5		-0.2	1.14	42	150	1	-2	1.21	-0.5	11	29	27	3.6	-10	-1	0.39	50	0.42	310	2	-0.01	17	330	18	2	4	89	-0.01	-10	-10	19	-10	28
VR31886	A9828555	10		-0.2	2.36	318	120	0.5	-2	0.72	-0.5	16	46	51	4.51	10	-1	0.22	40	1.59	240	3	0.03	8	1940	20	-2	10	37	0.19	-10	-10	134	-10	32
VR31887	A9828555	-5		-0.2	1.8	44	70	0.5	-2	0.56	-0.5	7	31	26	2.68	-10	-1	0.39	10	0.6	75	1	0.09	14	1250	18	2	3	45	0.01	-10	-10	15	-10	10
VR53351	A9828555	-5		-0.2	2.37	-2	1140	-0.5	-2	1.05	0.5	7	33	17	2.8	-10	-1	0.88	40	0.71	450	3	0.22	3	500	24	-2	3	177	0.2	-10	-10	42	-10	70
VR53352	A9828555	-5		-0.2	2.44	-2	550	0.5	-2	1.41	0.5	14	58	21	3.82	10	-1	0.39	20	1.55	470	3	0.04	9	970	22	-2	4	89	0.27	-10	-10	82	-10	76
VR53353	A9828555	-5		-0.2	0.89	70	60	0.5	-2	0.39	-0.5	3	11	98	2.87	-10	-1	0.12	30	0.08	40	4	0.03	-1	1150	28	-2	4	29	0.08	-10	-10	24	-10	12
VR53354	A9828555	-5		0.2	0.03	102	-10	-0.5	-2	5.09	-0.5	52	11	428	9.44	-10	-1	0.01	10	0.1	590	1	-0.01	86	3920	8	-2	-1	26	-0.01	-10	10	1	-10	22
VR58101	A9826869	-5		-0.2	3.48	16	70	-0.5	-2	1.06	-0.5	15	145	68	3.87	-10	-1	0.48	5	0.86	140	2	0.2	23	140	2	1	3	106	0.06	-10	-10	16	-10	34
VR58102	A9826869	80		-0.2	0.54	6	60	-0.5	-2	0.05	-0.5	1	180	96	3.03	-10	1	0.04	5	0.08	25	0.5	0.01	2	80	6	1	0.5	5	0.01	-10	-10	4	-10	2
VR58104	A9826869	-5		-0.2	0.31	3300	5	-0.5	-2	8.4	-0.5	30	68	7	2.41	-10	1	0.01	50	0.93	1300	6	0.01	10	1280	8	6	6	136	0.01	-10	-10	20	-10	22
VR58164	A9827802	20		0.2	0.16	3530	10	0.5	2	0.01	1	3	105	121	7.15	-10	9	0.01	5	0.01	25	11	0.01	5	280	6	278	0.5	6	0.01	-10	-10	0.5	-10	22
VR58165	A9827802	-5		-0.2	0.02	42	5	-0.5	-2	0.01	-0.5	0.5	204	5	0.33	-10	-1	0.01	5	0.01	15	0.5	0.01	2	30	6	4	0.5	5	0.01	-10	-10	0.5	-10	2
VR58166	A9827802	-5		-0.2	0.25	6	120	-0.5	-2	0.03	0.5	4	247	5	1.41	-10	-1	0.04	5	0.01	280	1	0.01	14	40	1	1	0.5	34	0.01	-10	-10	2	-10	36
VR58167	A9827802	-5		-0.2	2.55	18	190	-0.5	-2	6.45	-0.5	5	59	9	1.16	-10	-1	0.48	10	0.9	200	1	0.22	10	1160	30	1	3	393	0.12	-10	-10	30	-10	46
VR58168	A9827802	5		-0.2	1.55	6	270	-0.5	-2	0.81	-0.5	13	82	30	2.69	-10	-1	0.9	30	1.18	295	5	0.12	11	480	24	1	4	67	0.17	-10	-10	90	-10	84
VR58169	A9827802	-5		-0.2	2.13	46	160	0.5	-2	0.29	-0.5	5	176	52	2.63	-10	-1	0.62	20	0.81	110	7	0.06	16	570	6	1	4	28	0.03	-10	-10	92	-10	46
VR58170	A9827802	-5		-0.2	3.75	8	1410	-0.5	-2	2.29	-0.5	17	48	21	4.03	10	-1	1.29	30	1.27	470	5	0.35	6	1070	20	1	5	344	0.31	-10	-10	136	-10	78
VR58171	A9827802	10		-0.2	1.47	308	90	-0.5	2	0.85	-0.5	20	32	44	3.24	-10	-1	0.06	40	0.46	140	4	0.1	6	1090	12	1	2	192	0.13	-10	-10	36	-10	24
VR58172	A9827802	25		-0.2	1.52	26	70	0.5	-2	0.99	-0.5	11	45	81	4.94	-10	-1	0.21	40	0.46	140	4	0.15	21	1820	14	1	3	99	0.17	-10	-10	44	-10	18
VR58173	A9827802	15		-0.2	1.72	8	180	0.5	-2	0.42	-0.5	15	90	38	3.86	-10	-1	0.86	40	1.27	165	4	0.09	14	850	14	1	10	44	0.22	-10	10	84	-10	38
VR58174	A9827838	6300		181	0.06	50000	20	33	290	0.03	260	255	10	8990	30		10	0.01	20	0.01	200	-5	0.01	35	200	49600	2020	3	10	0.01	10	20	10	70	30400
VR58175	A9827802	25		-0.2	1.09	8	220	-0.5	-2	0.39	-0.5	12	76	36	3.09	-10	-1	0.66	40	0.84	275	7	0.07	11	830	26	1	3	41	0.2	-10	-10	63	-10	34
VR58249	A9827802	40		0.2	2.49	180	90	-0.5	8	1.13	-0.5	14	69	108	6.2	-10	-1	0.19	50	1.66	390	1	0.13	8	1560	30	2	12	170	0.17	-10	-10	129	-10	76
VR58250	A9827802	10		-0.2	1	720	70	0.5	-2	0.53	-0.5	16	38	43	3.66	-10	-1	0.07	50	0.14	60	5	0.06	12	1140	14	1	1	66	0.08	-10	-10	16	-10	38
VR58401	A9827802	-5		-0.2	1.06	10	100	-0.5	-2	0.07	-0.5	7	163	6	2.7	-10	-1	0.08	5	0.27	755	1	0.01	13	80	16	1	2	7	0.01	-10	-10	6	-10	36
VR58402	A9827802	-5		-0.2	0.65	16	90	-0.5	-2	0.01	-0.5	1	185	7	1.2	-10	-1	0.17	10	0.14	85	1	0.01	7	140	26	1	0.5	6	0.01	-10	-10	3	-10	20
VR58403	A9827802	-5		-0.2	3.49	1	1350	-0.5	-2	2.52	-0.5	18	67	12	4.89	10	-1	0.97	30	1.92	885	2	0.16	6	1170	10	1	7	237	0.38	-10	-10	146	-10	100
VR58404	A9827802	-5		-0.2	1.81	4	170	0.5	-2	0.22	-0.5	16	96	24	4.06	-10	-1	0.34	30	0.4	1045	3	0.01	23	220	1	1	5	18	0.01	-10	-10	20	-10	60
VR58405	A9827802	-5		0.2	0.25	256	60	-0.5	-2	0.01	-0.5	1	159	1	1.17	-10	-1	0.12	10	0.01	20	5	0.01	3	50	14	2	0.5	27	0.01	-10	-10	1	-10	1
VR58409	A9827802	70		0.2	1.25	10	5	-0.5	-2	0.71	-0.5	21	72	89	6.04	-10	-1	0.01	20	0.15	200	3	0.09	31	1540	26	1	1	36	0.07	-10	-10	7	-10	12
VR58414	A9827802	-5		-0.2	0.19	22	30	-0.5	-2	9.23	-0.5	1	89	2	2.85	-10	-1	0.01	5	1.98	660	1	0.01	3	290	1	1	0.5	156	0.01	-10	-10	2	-10	44
VR58415	A9827802	-5		-0.2	2.16	130	60	0.5	-2	1.2	-0.5	14	56	21	2.37	-10	-1	0.53	30	0.53	180	1	0.21	16	1070	16	1	3	140	0.15	-10	-10	33	-10	62
VR58418	A9827802	110		-0.2	0.5	10	100	-0.5	-2	0.18	-0.5	5	242	7	1.41	-10	-1	0.19	10	0.04	490	0.5	0.04	10	180	18	1	0.5	22	0.01	-10	-10	6	-10	82
VR58424	A9827802	-5		-0.2	0.17	2	70	-0.5	-2	0.97	-0.5	4	211	1	1.17	-10	-1	0.04	5	0.06	470	1	0.01	7	40	6	1	1	13	0.01	-10	-10	3	-10	24
VR80056	A9821883	10		-0.2	0.5	14	60	-0.5	-2	0.01	-0.5	1	297	15	1.09	-10	-1	0.13	5	0.07	40	1	0.02	5	220	16	2	0.5	26	0.01	-10	-10	5	-10	10
VR80057	A9821883	10		-0.2	0.07	6	5	-0.5	-2	0.01	-0.5	0.5	279	10	0.92	-10	-1	0.03	90	0.01	20	0.5	0.01	4	180	10	2	0.5	6	0.01	-10	-10	1	-10	2
VR80058	A9821883	10		-0.2	1.08	22	80	0.5	2	1.27	-0.5	7	67	20	1.61	-10	-1	0.04	30	0.14	100	2	0.13	19	1430	20	2	0.5	120	0.14	-10	-10	18	-10	24
VR80059	A9821883	10		-0.2	0.27	8	20	-0.5	-2	1.06	-0.5	2	255	3	1.25	-10	-1	0.09	10	0.08	745	1	0.01	7	50	132	20	0.5	13	0.01	-10	-10	2	-10	8
VR80079	A9823565	-5		-0.2	4.03	34	40	2	-2	0.9	-0.5	22	78	56	4.9	10	1	0.09	30	1.6	390	3	0.17	29	1360	18	1	9	95	0.14	-10	-10	5	-10	114

KENNECOTT CANADA EXPLORATION INC.

ANTIMONY MOUNTAIN PROPERTY-1998 ROCK SAMPLE ANALYTICAL RESULTS

Sample Number	Certificate Number	Au ppb	Au g/t FA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
VR80080	A9823565	130		4	0.12	2270	60	-0.5	24	0.01	-0.5	4	121	26	3.34	-10	-1	0.01	5	0.01	35	1	0.01	4	110	276	250	0.5	83	0.01	-10	-10	5	-10	50
VR80081	A9823565	10		1.2	0.33	90	40	-0.5	2	1.87	-0.5	2	141	12	1.26	-10	-1	0.1	10	0.07	975	0.5	0.01	8	140	118	2	0.5	40	0.01	-10	-10	5	-10	90
VR80082	A9823565	-5		0.2	1.55	264	80	0.5	-2	1.12	-0.5	26	31	81	3.36	-10	-1	0.09	40	0.23	95	3	0.18	11	1240	58	1	1	142	0.16	-10	-10	5	-10	38
VR80083	A9823565	-5		-0.2	1.01	1	30	-0.5	-2	0.97	-0.5	0.5	34	4	0.16	-10	-1	0.02	10	0.16	80	0.5	0.17	2	1060	14	1	0.5	140	0.13	-10	-10	5	-10	66
VR80084	A9823565	-5		-0.2	1.26	348	50	-0.5	-2	1.96	-0.5	6	51	9	0.54	-10	-1	0.07	10	0.38	155	2	0.16	6	880	14	2	2	132	0.09	-10	-10	5	-10	22
VR80085	A9823565	30		-0.2	0.68	3580	50	1.5	-2	3.47	-0.5	28	45	1	0.84	-10	-1	0.09	10	0.17	250	17	0.07	6	160	8	2	0.5	137	0.01	-10	-10	5	-10	14
VR80086	A9823565	165		-0.2	3.03	410	180	1.5	-2	0.74	-0.5	18	49	39	2.96	-10	-1	0.88	10	0.75	185	0.5	0.12	33	220	8	2	4	54	0.06	-10	-10	5	-10	16
VR80087	A9823565	45		-0.2	0.55	2870	60	-0.5	-2	0.04	-0.5	132	109	26	1.34	-10	-1	0.22	10	0.13	50	0.5	0.01	72	140	6	6	1	9	0.01	-10	-10	5	-10	8
VR80088	A9823565	5		-0.2	1.41	428	60	0.5	-2	0.46	-0.5	16	33	66	2.05	-10	-1	0.08	10	0.7	315	0.5	0.05	2	540	16	2	5	27	0.06	-10	-10	5	-10	34
VR80089	A9823605	4300		3	0.2	50000	40	3	50	0.04	3	1120	40	305	17.1		5	0.06	-20	0.04	20	25	0.01	80	50	3	660	3	5	0.01	10	10	10	10	3
VR80090	A9823565	-5		-0.2	0.4	8	20	-0.5	-2	0.45	-0.5	0.5	24	3	0.1	-10	-1	0.04	5	0.03	65	0.5	0.08	1	5	10	1	0.5	27	0.04	-10	-10	5	-10	16
VR80091	A9823565	5		-0.2	0.16	428	30	-0.5	-2	0.01	-0.5	3	210	40	0.52	-10	-1	0.04	5	0.01	30	1	0.01	5	40	6	1	0.5	4	0.01	-10	-10	5	-10	6
VR80092	A9823565	20		-0.2	2.75	6	30	0.5	-2	1.16	-0.5	6	123	86	1.58	-10	-1	0.14	10	0.17	100	1	0.1	12	240	1	1	4	54	0.01	-10	-10	5	-10	8
VR80101	A9826869	10000	68.95	83.6	0.04	10000	5	-0.5	72	0.02	0.5	429	41	6040	14.55	-10	2	0.01	5	0.01	10	19	0.01	59	80	18	622	0.5	4	0.01	-10	-10	0.5	30	30
VR80102	A9826869	500		17.8	0.12	3520	10	-0.5	-2	0.13	-0.5	11	220	379	1.61	-10	-1	0.01	5	0.03	40	3	0.01	11	250	56	8	1	10	0.01	-10	-10	1	-10	16
VR80851	A9821883	10		0.2	1.07	152	40	-0.5	-2	0.11	-0.5	11	129	55	2.7	-10	-1	0.14	20	0.05	180	1	0.01	29	160	14	8	1	14	0.01	-10	-10	9	-10	20
VR80852	A9821883	10		-0.2	0.15	20	5	-0.5	-2	0.01	-0.5	1	224	13	0.73	-10	-1	0.03	30	0.01	65	0.5	0.01	6	70	10	1	0.5	3	0.01	-10	-10	1	-10	14
VR80853	A9821883	10		0.6	0.18	24	30	-0.5	-2	0.01	-0.5	1	388	8	0.53	-10	-1	0.05	50	0.01	25	1	0.01	5	50	12	1	0.5	4	0.01	-10	-10	1	-10	2
VR80854	A9821883	10		-0.2	0.21	2	70	-0.5	-2	0.05	-0.5	2	276	4	0.77	-10	-1	0.06	5	0.01	130	1	0.01	6	330	6	1	0.5	5	0.01	-10	-10	3	-10	14
VR80855	A9821883	10		-0.2	0.29	2	60	-0.5	-2	0.78	-0.5	1	333	2	0.51	-10	-1	0.13	5	0.01	470	1	0.01	6	60	1	1	0.5	17	0.01	-10	-10	3	-10	10
VR80870	A9823565	20		0.6	2.51	404	110	-0.5	-2	6.2	-0.5	7	75	6	2.3	-10	-1	0.42	5	0.87	945	4	0.18	16	180	74	6	3	310	0.08	-10	-10	5	-10	24
VR80871	A9823565	115		9.2	0.43	5840	10	-0.5	-2	0.03	1.5	7	155	29	3.38	-10	1	0.06	5	0.14	115	0.5	0.01	7	140	790	10	1	7	0.02	-10	-10	5	-10	20
VR80872	A9823565	-5		0.2	1.6	54	70	-0.5	-2	0.56	-0.5	68	34	112	3.87	-10	-1	0.07	30	0.6	175	4	0.02	62	1460	64	1	6	32	0.24	-10	-10	5	-10	68
VR80873	A9823565	-5		0.6	0.66	132	30	0.5	-2	0.03	0.5	20	155	36	4.92	-10	-1	0.13	5	0.04	250	0.5	0.01	22	290	48	8	1	6	0.01	-10	-10	5	-10	60
VR80874	A9823565	-5		0.4	2.52	8	90	-0.5	-2	0.56	0.5	6	13	24	3.2	-10	-1	0.09	30	0.43	170	3	0.08	4	1020	82	1	5	55	0.16	-10	-10	5	-10	70
VR80875	A9823565	-5		0.2	0.35	1240	30	-0.5	-2	0.01	0.5	4	85	161	4.18	-10	1	0.06	10	0.01	15	3	0.01	13	210	18	116	2	13	0.01	-10	-10	5	-10	16
VR80876	A9823565	-5		0.2	0.29	682	20	-0.5	-2	0.01	-0.5	0.5	98	166	7.85	-10	4	0.05	5	0.01	20	3	0.01	5	580	22	306	1	6	0.01	-10	-10	5	-10	24
VR80877	A9823565	-5		0.2	0.55	30	10	-0.5	2	0.02	-0.5	1	112	45	5.14	-10	1	0.01	5	0.12	155	0.5	0.01	4	200	32	6	1	2	0.04	-10	-10	5	-10	28
VR80878	A9823565	-5		-0.2	0.22	20	30	-0.5	-2	0.02	-0.5	4	194	89	2.52	-10	-1	0.07	10	0.03	150	0.5	0.01	9	150	12	8	1	8	0.01	-10	-10	5	-10	18
VR80879	A9823565	-5		-0.2	0.12	66	5	-0.5	-2	0.01	-0.5	0.5	196	8	0.61	-10	-1	0.04	5	0.01	20	0.5	0.01	3	60	10	6	0.5	3	0.01	-10	-10	5	-10	2
VR80894	A9826869	-5		-0.2	0.28	10	50	-0.5	-2	1.58	-0.5	3	154	58	0.97	-10	-1	0.08	10	0.12	895	2	0.01	6	70	6	1	1	17	0.01	-10	-10	1	-10	12
VR80895	A9826869	5		-0.2	0.28	10	40	-0.5	-2	1.07	-0.5	5	200	4	0.94	-10	-1	0.11	10	0.03	865	3	0.01	8	80	14	2	0.5	19	0.01	-10	-10	1	-10	20
VR80896	A9826869	5		-0.2	1.13	10	140	-0.5	-2	0.01	-0.5	1	83	11	3.75	-10	-1	0.62	20	0.2	25	2	0.02	1	90	14	1	1	6	0.01	-10	-10	20	-10	6
VR80897	A9826869	30		-0.2	0.17	108	5	-0.5	-2	0.03	-0.5	1	222	33	0.85	-10	-1	0.03	10	0.01	25	2	0.01	8	50	14	1	0.5	4	0.01	-10	-10	1	-10	10
VR80898	A9826869	-5		-0.2	2.08	16	50	-0.5	-2	0.79	-0.5	3	135	15	1.54	-10	1	0.16	5	0.16	125	3	0.06	6	160	1	1	2	47	0.01	-10	-10	19	-10	6
VR80899	A9826869	10000	15.02	79.8	0.1	10000	5	-0.5	74	0.01	-0.5	185	43	2750	10.85	-10	2	0.01	5	0.01	15	32	0.01	9	380	78	390	3	3	0.01	-10	10	1	40	18
VR80900	A9826869	130		1	0.06	334	5	-0.5	-2	0.01	-0.5	1	239	10	0.36	-10	-1	0.01	60	0.01	20	1	0.01	4	50	12	2	0.5	5	0.01	-10	-10	0.5	-10	2
VR80910	A9823565	-5		-0.2	1.56	6	120	-0.5	-2	0.24	-0.5	2	199	9	1.83	-10	-1	0.13	5	0.53	125	0.5	0.08	7	120	6	1	3	31	0.05	-10	-10	5	-10	12
VR80911	A9823565	-5		-0.2	0.89	4	90	-0.5	-2	0.77	-0.5	4	171	6	1.16	-10	1	0.07	5	0.26	235	1	0.07	7	100	18	2	1	32	0.04	-10	-10	5	-10	22
VR80912	A9823565	-5		-0.2	0.14	140	10	-0.5	-2	0.01	-0.5	0.5	181	8	0.41	-10	-1	0.01	5	0.01	15	0.5	0.01	4	50	12	1	0.5	11	0.01	-10	-10	5	-10	2
VR80913	A9823565	-5		-0.2	0.91	26	490	1.5	-2	1.79	0.5	6	31	23	1.41	-10	-1	0.07	150	0.27	205	1	0.09	7	1610	18	2	4	66	0.11	-10	-10	5	-10	28
VR80914	A9823565	-5		0.2	2.27	40	100	-0.5	-2	0.14	-0.5	3	45	224	2.88	-10	-1	0.13	20	0.26	55	5	0.01	24	1140	30	14	7	20	0.17	-10	-10	5	-10	26
VR80915	A9823565	-5		-0.2	0.66	356	50	0.5	-2	0.01	-0.5	4	209	193	5.36	-10	-1	0.06	10	0.09	80	4	0.01	7	1020	22	10	3	15	0.01	-10	-10	5	-10	42
VR80923	A9821883	10		0.2	0.41	10	30	-0.5	-2	0.01	-0.5	0.5	341	1	0.48	-10	-1	0.15	10	0.02	25	0.5	0.01	5	40	24	1	0.5	11	0.01	-10	-10	3	-10	2
VR80924	A9821883	10		-0.2	1.1	1	70	-0.5	-2	0.02	-0.5	26	313	4	1.43	-10	-1	0.04	5	0.93	5830	0.5	0.01	24	70	8	1	1	5	0.01	-10	-10	9	-10	100
VR80925	A9821883	10		-0.2	0.85	1	90	-0.5	-2	0.15	-0.5	5	251	5	1.15	-10	-1	0.21	10	0.17	345	1	0.04	10	80	4	1	1	6	0.01	-10	-10	7	-10	10
VR80951	A9821883	90		0.2	0.09	8260	10	-0.5	4	0.01	-0.5	66	169	68	1.84	-10	-1	0.01	10	0.01	65	0.5	0.01	8	570	136	72	0.5	34	0.01	-10	-10	3	-10	100
VR80952	A9821883	10		-0.2	0.26	32	40	-0.5	-2	0.01	-0.5	5	299	7	3.63	-10	-1	0.11	10	0.01	1320	1	0.01	9	100	1	1	0.5	4	0.01	-10	-10	4	-10	10
VR80953	A9823565	-5		-0.2	0.4	8	50	-0.5	-2	0.14	-0.5	1	213	7	0.89	-10	-1	0.14	20	0.05	210	3	0.04	3	100	30	1	1	13	0.01	-10	-10	5	-10	26
VR80967	A9823565	-5		-0.2	1.56	1	50	-0.5	-2	0.3	-0.5	4	132	2	2.27	-10	-1	0.19	10	0.53	175	1	0.09	10	210	10	1	4	34	0.1	-10	-10	5	-10	18
VR80968	A9823565	-5		-0.2	0.42	30	50	-0.5	-2	0.01	-0.5	4	260	9	2.83	-10	1	0.14	10	0.02	200	2	0.01	10	360	6	38	1	9	0.01	-10	-10	5	-10	22
VR31888	A9828556	10		0.2	1.23	38	90	0.5	-2	0.99	-0.5	19	33	55	3.62	-10	-1	0.25	30	0.51	160	3	0.08	14	1460	16	-2	1	77	0.18	-10	-10	51	-10	42
VR31889	A9828555	80		0.2	0.37	10000	10	-0.5	-28	1.76	-0.5	41	25	2	9.43	-10	-1	0.04	-10	1.28	935	5	-0.01	6	140	10	134	6	35	-0.01	-10	10	62	-10	18
VR31890	A9828555	-5		0.2	1.06	38	60	0.5	-2	1.55	-0.5	6	53	28	1.3	-10	-1	0.11	80	0.47	205	4	0.1	27	1260	32	-2	2	190	0.06	-10	10	27	-10	40
VR31891	A9828556	-5		0.2	2.83	202	570	0.5	-2	0.94	0.5	6	31	6	3.53	10	-1	1.13	40	1.07	490	3	0.2	3	870	38	-2	6	138	0.22	-10	-10	48	-10	160
VR31892	A9828556	-5		-0.2	0.38	24	50	-0.5	-2	0.03	-0.5	-1	112	6	0.3	-10	-1	0.15	10	0.02	10	3	-0.01	2	180	16	2	-1	3	-0.01	-10	-10	4	-10	4
VR31893	A9828555	-5		1	0.93	26	140	0.5	-2	0.05	1	11	32	82	7.66	-10	-1	0.21	50	0.08	2380	5	-0.01	21	860	148	40	7	24	-0.01	-10	10	44	-10	318
VR31894	A9828555	15		0.6	0.71	94	60	-0.5	-2	0.03	0.5	8	34	32	12.5	-10	3	0.15	30	0.06	1580	4	-0.01	13	860	130	10	5	10	-0.01	-10	10	39	-10	202

KENNECOTT CANADA EXPLORATION INC.

ANTIMONY MOUNTAIN PROPERTY-1998 ROCK SAMPLE ANALYTICAL RESULTS

Sample Number	Certificate Number	Au ppb	Au gt FA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
VR80110	A9828555	10		0.4	1.93	88	230	0.5	-2	0.35	-0.5	2	129	59	2.63	-10	-1	0.42	10	0.75	185	7	0.03	4	1590	12	2	5	38	0.01	-10	-10	119	-10	20
VR80111	A9828555	-5		0.2	4.13	-2	120	1.5	-2	2.04	-0.5	7	95	49	2.36	10	-1	0.79	10	1.09	385	5	0.2	20	280	12	-2	3	115	0.14	-10	-10	49	-10	58
VR80112	A9828555	-5		0.2	2.74	4	30	0.5	-2	1.69	-0.5	4	91	47	1.16	-10	-1	0.03	-10	0.12	85	5	0.25	12	370	18	-2	1	134	0.09	-10	-10	11	-10	20
VR31895	A9829266	5		-0.2	2.28	12	60	0.5	-2	0.79	-0.5	37	59	98	5.51	-10	-1	1.11	30	1.56	245	3	0.1	17	1970	8	-2	10	49	0.25	-10	-10	118	-10	32
VR31896	A9829266	-5		-0.2	0.96	10	50	-0.5	-2	0.16	-0.5	3	194	57	1.22	-10	-1	0.11	20	0.29	50	1	0.05	7	90	10	-2	1	12	0.03	-10	-10	11	-10	14
VR57731	A9829266	55		-0.2	0.15	62	30	-0.5	-2	0.22	-0.5	2	151	6	0.21	-10	-1	0.06	-10	-0.01	65	3	-0.01	6	70	4	-2	-1	7	-0.01	-10	-10	1	-10	8
VR57732	A9829266	-5		-0.2	1.15	26	30	-0.5	-2	0.5	-0.5	10	229	37	1.01	-10	-1	0.1	30	0.63	145	1	0.03	28	120	8	-2	2	18	-0.01	-10	-10	8	-10	72
VR80113	A9829265	15		-0.2	2.07	56	90	0.5	-2	1.23	-0.5	13	51	142	4.42	-10	-1	0.21	20	0.53	130	9	0.18	39	1240	28	-2	3	85	0.21	-10	-10	57	-10	20
VR80114	A9829266	-5		-0.2	1.29	42	140	1	-2	0.04	-0.5	17	100	49	1.06	-10	-1	0.41	40	0.2	110	3	0.01	30	190	6	4	4	5	-0.01	-10	-10	13	-10	16
VR80115	A9829266	15		-0.2	0.34	40	30	-0.5	-2	0.01	-0.5	7	194	10	0.34	-10	-1	0.1	-10	0.01	35	1	-0.01	10	80	10	-2	-1	1	-0.01	-10	-10	3	-10	10
VR80116	A9829266	45		-0.2	0.67	62	40	0.5	-2	0.03	-0.5	8	108	24	0.5	-10	-1	0.13	20	0.04	25	-1	-0.01	23	140	8	-2	1	3	-0.01	-10	-10	4	-10	12
VR80117	A9829266	5		0.8	0.16	320	30	0.5	6	9.11	0.5	1	28	122	3.06	-10	-1	0.03	30	3.42	700	-1	-0.01	4	140	38	2	-1	364	-0.01	-10	-10	5	-10	110
VR80118	A9829266	-5		-0.2	0.94	24	40	-0.5	-2	0.07	-0.5	5	126	26	0.65	-10	-1	0.14	30	0.05	35	-1	-0.01	9	170	12	2	4	11	-0.01	-10	-10	11	-10	6
VR31897	A9829265	1615		0.6	0.85	5740	1080	0.5	-2	0.7	0.5	7	34	8	2.89	-10	4	0.15	30	0.17	655	2	-0.01	12	630	34	18	9	127	-0.01	-10	-10	29	-10	116
VR31898	A9829265	35		0.2	0.56	136	530	0.5	-2	2.88	0.5	11	27	55	3.32	-10	1	0.24	10	1.14	870	3	-0.01	43	310	8	10	5	88	-0.01	-10	-10	27	-10	122
VR31899	A9829265	2970		3.4	0.88	1215	1160	-0.5	-2	0.09	-0.5	3	86	10	1.93	-10	3	0.31	30	0.05	35	3	-0.01	13	580	34	1325	7	230	-0.01	-10	-10	51	-10	74
VR31900	A9829265	370		0.6	0.87	862	300	0.5	-2	2.7	1	8	26	10	3.14	-10	1	0.21	10	1.06	915	3	-0.01	20	750	60	34	6	445	-0.01	-10	-10	21	-10	282
VR80918	A9829268	-5		-0.2	1.98	42	220	0.5	-2	0.13	-0.5	15	74	54	2.87	-10	-1	0.67	10	0.39	140	7	0.03	45	390	18	-2	2	11	-0.01	-10	-10	28	-10	40
VR80919	A9829266	-5		-0.2	3.01	136	260	1.5	-2	0.64	-0.5	14	105	39	3.8	-10	-1	0.67	30	0.77	775	3	0.15	26	500	46	-2	7	122	0.07	-10	10	44	-10	148
VR80920	A9829266	-5		-0.2	1.94	88	200	0.5	-2	0.16	-0.5	11	125	26	2.05	-10	-1	0.65	40	0.26	285	-1	0.03	29	280	24	2	3	16	-0.01	-10	-10	14	-10	40
VR80921	A9829266	155		1	1.2	1175	100	1	-2	0.9	-0.5	7	45	198	2.81	-10	-1	0.29	70	0.72	305	5	0.1	6	1270	26	-2	5	78	0.12	-10	10	58	-10	38
VR80922	A9829266	-5		-0.2	2.99	26	140	0.5	-2	3.51	-0.5	14	91	9	4.28	-10	-1	0.21	40	2.15	805	1	0.02	25	890	6	6	9	138	-0.01	-10	-10	64	-10	72
VR80119	A9829266	-5		-0.2	0.51	4	70	-0.5	-2	1.78	-0.5	5	136	5	1.64	-10	-1	0.2	10	0.12	560	-1	0.01	10	150	20	2	1	94	-0.01	-10	-10	5	-10	40

APPENDIX H

SAMPLE DESCRIPTIONS

Kennecott Sample Codes and Abbreviations

Reverse Circulation Drill Logs

Categories

Interval:	depth down hole in feet
Time:	time at end of interval
Chip Lith:	lithology of chips
Chip color:	color of chips
Pwdr color:	color of fine powder with chips
Fines %:	estimated percentage of fine powder in interval
Alteration BLE:	bleaching
Alteration SLC:	silicification
Alteration PHY:	phyllic alteration
FeOx Int.:	intensity of iron oxidation (rusty color)
HCl Int.:	intensity of reaction between powder and 10% HCl acid
Veins Min:	dominent vein mineralogy
Veins %:	estimated percentage of veins in interval
Sulphides Min:	type of sulphides in interval
Sulphides %:	estimated percentage of sulphides in interval
Pan Cons Min*:	type of heavy minerals in pan concentrate sample in interval
Pan Cons Int*:	Intensity of heavy minerals in pan concentrate sample

N/A

* Pan concentrate mineral samples also expressed as a ratio and individual mineral intensity expressed as ratios or as weak to strong intensities.

Abbreviations (may not be included in the standard Kennecott pick lists):

Chip lithology

QMZ	quartz monzonite
QTZ	quartz
QTE	quartzite
PHY	phyllite
SCH	schist
HFD	hornfels
LAM	lamprophyre

Color

BK	black
BN	brown
BF	buff
GY	grey
GN	green
OR	orange
RD	red

Color con't.

TA	tan
WT	white
YW	yellow

Alteration Types

ARG	argillic
BLE	bleaching
PHY	phyllic
POT	potassic
PRP	propylitic
SLC	silicic

Intensity ratings (alteration, FeOx, HCl effervescence, pan cons)

T or Tr	trace
W or Wk	weak
M or Mod	moderate
S or Str	strong

Mineral abbreviations

ars	arsenopyrite
bio	biotite
bis	bismuthinite
cal	calcite
cer	cervantite (antimony oxide; yellow color)
chl	chlorite
epi	epidote
feld	feldspar
hem	hematite
jar	jarosite
kao	kaolinite
Kspar	potassium feldspar
lim	limonite
mag	magnetite
mic	mica
mol	molybdenum
mont	montmorillonite
poo	pyrrhotite
pyy	pyrite
qtz	quartz
sco	scorodite
ser	sericite
sti	stibnite
tou	tourmaline
VG	visible gold

Other abbreviations

abdnt	abundant
altd	altered
altn	alteration
blb	bleb
con	concentrate
dis	disseminated
fig	fine grained
fra	fractured
frags	fragments
intr	intrusive
lea	leached
mas	massive
min	mineral
mnr	minor
mod	moderate
oxi	oxidized
perv	pervasive
phn	phenocrysts
poss	possible
silv	silver
v	very
vis	visible
vnlet	veinlet
w/	with

COUNTRY PICKLIST

USA	United States
CAN	Canada
MEX	Mexico
AUS	Australia
PNG	Paupa New Guinea
HON	Honduras
JAM	Jamaca

SAMPLE TYPE PICKLIST

CH	Channel
CO	Drill Core
CU	Drill Cuttings
DG	Dump, Grab
DH	Dump, High-Grade
DP	Dump, Channel
FL	Float
GR	Grab
GS	Gas
HG	High-Grade
LS	Lake Sediment
OT	Other
PC	Pan Concentrate
RC	Rock-Chip from Outcrop
RH	Rock-Chip, High-Grade
SL	Soil
SS	Stream Sediment
VG	Vegetation
WT	Water

COLOR PICKLIST

BK	Black
BL	Blue
BN	Brown
BF	Buff
GY	Gray
GN	Green
OL	Olive
OR	Orange
PP	Purple
RD	Red
TA	Tan
WT	White
YW	Yellow

CLAY CONTENT PICKLIST

H	High
M	Moderate
L	Low

CANADA PROV. PICKLIST

AB	Alberta
BC	British Columbia
MB	Manitoba
NB	New Brunswick
NF	New Foundland
NS	Nova Scotia
NT	Northwest Territory
ON	Ontario
PE	Prince Edward Island
PQ	Quebec
SK	Saskatchewan
YK	Yukon

MEXICO STATE PICKLIST

AG	Aguascalientes
BC	Baja California (Incl. Sur)
CA	Campeche
CP	Chiapas
CH	Chihuahua
CO	Coahuila
CL	Colima
DF	Distrito Federal
DG	Durango
GT	Guanajuato
GR	Guerrero
HG	Hidago
JA	Jalisco
MX	Mexicp
MI	Michoacan
MO	Morelos
NY	Nayarit
NL	Nuevo Leon
OX	Oaxaca
PU	Puebla
QO	Queretaro
QR	Quintana Roo
SL	San Luis Potosi
SI	Sinaloa
SO	Sonora
TB	Tabasco
TA	Tamaulipas
TL	Tlaxcala
VR	Veracruz
YU	Yucatan
ZA	Zacatecas

AGE PICKLIST

ARC	Archean
CAM	Cambian
CAR	Carboniferous
CEN	Cenozoic
CRE	Cretaceous
DEV	Devonian
EOC	Eocene
JUR	Jurasic
MES	Mesozoic
MIO	Miocene
MIS	Mississippian
OLI	Oligocene
ORD	Ordivician
PAE	Paleocene
PAL	Paleozoic
PEN	Pennsylvanian
PER	Permian
PLE	Pleistocene
PLI	Pliocene
PRC	Precambrain
PRO	Properozoic
QUA	Quaternary
REC	Recent
SIL	Silurian
TER	Tertiary
TRI	Triassic

ROCKTYPE PICKLIST

ALB	Albitite	GRL	Granulite	PUM	Pumice
ALK	Alaskite	GRN	Granite	PYX	Pyroxenite
ALV	Alluvium	GRP	Granophyre	QTZ	Quartz
AMP	Amphibolite	GRS	Greenstone	RHD	Rhyodacite
AND	Andesite	GRV	Gravel	RHY	Rhyolite
ANK	Ankerite	GRW	Greywacke	S&G	Sand and grave
ANO	Anorthosite	HBT	Hornblendite	SAP	Saprolite
ANT	Anthracite	HBX	Hydrothermal Breccia	SBX	Solution Breccia
APL	Aplite	HEM	Hematite	SCH	Schist
ARE	Arenite	HRN	Hornfels	SHK	Shonkite
ARG	Argillite	IFM	Iron formations	SHL	Shale
ARK	Arkose	IGN	Ignimbrite	SHS	Shoshonite
AVL	Acid Volcanic	JAP	Jasperoid	SID	Siderite
BAS	Basalt	KER	Kersatophyre	SKR	Skarn
BAU	Bauxite	KIM	Kimerlite	SLS	Siltstone
BEN	Bentonite	KOM	Komatiite	SLT	Slate
BIF	Banded Iron Formation	LAH	Lahar	SND	Sand
BRX	Breccia	LAM	Lamprophyre	SNT	Sinter
BST	Boundstone	LAT	Laterite	SRP	Serpentinite
BVL	Basic Volcanic	LAT	Latite	SST	Sandstone
CAT	Cataclasite	LIG	Lignite	SWK	Stockwork
CAL	Caliche	LIM	Limonite	SYD	Syenodiorite
CBT	Carbonatite	LOS	Loess	SYE	Syenite
CHK	Chalk	LS	Limestone	TFA	Tufa
CHT	Chert	MAF	Mafic	THL	Tholeiite
CLY	Clay	MGM	Migmatite	TIL	Till
CNG	Conglomerate	MIC	Micrite	TON	Tonolite
COL	Coal	MNZ	Monzonite	TRA	Trachyandesite
COQ	Coquina	MRB	Marble	TRB	Trachybasalt
CSH	Calc-Schist	MRL	Marl	TRG	Terrace gravels
CST	Claystone	MS	Massive Sulfide	TRT	Travertine
DAC	Dacite	MST	Mudstone	TRY	Trachyte
DIB	Diabse	MTC	Metachert	TUF	Tuff, Ignimbrite
DIE	Diatomaceous earth	MTS	Metasediment	ULM	Ultramafic
DIR	Diorite	MTV	Metavolcanic	VEN	Vein
DOL	Dolomite	MUD	Mud	VLC	Volcaniclastic
DUN	Dunite	MYL	Mylonite	WAK	Wacke
ECL	Eclogite	NOR	Norite		
EVP	Evaporite	NSY	Nepheline Syenite		
EXH	Exhalite	OTW	Outwash		
FBX	Fault Breccia	OVB	Overburden		
FEC	Femicrete	PEL	Pelite		
FEL	Felsic	PRD	Peridotite		
GAB	Gabbro	PER	Perlite		
GNE	Gneiss	PGM	Pegmatite		
GOS	Gossan	PHN	Phonolite		
GOU	Gouge	PHY	Phyllite		
GRA	Grainstone	POR	Porphyry		
GRD	Granodiorite	PST	Peckstone		

ALTERATION PICKLIST

AVA	Advanced Argillic
ALB	Albitic
ARG	Argillic
BLE	Bleached
CSI	Calc-silicate
CAR	Carbonatization
CHL	Chloritic
DEC	Decalcified
DOL	Dolomitization
GRE	Greisen
HYP	Hypogene
LEA	Leached
OPL	Opalization
OTH	Other
OXI	Oxidization
PHY	Phyllic
POT	Potassic
PRP	Propylitic
PYR	Pyritization
SND	Sanded
SAU	Saussuritic
SER	Sericitic
SLC	Silicification
SUP	Supergene
UNA	Unaltered
WEA	Weathered
ZEO	Zeolithic

STRUCTURE PICKLIST

BLJ	Blocky Jointing
BOX	Boxwork
CLE	Cleavage
COJ	Columnar Jointing
CON	Contact
FBX	Fault Breccia
FIA	Fiamme
FLB	Flow banded
FLD	Fold Axis
FOL	Foliation
FRA	Fractured
FRI	Friable
FWO	Footwall to Ore
FWS	Footwall to Structure
FWV	Footwall to Vein
HWO	Hangingwall to Ore
HWS	Hangingwall to Structure
HWV	Hangingwall to Vein
JOI	Jointed
LIN	Lineation
NFA	Normal Fault
OSF	Open Space Filling
OTH	Other
PLJ	Platy Jointing
RFA	Reverse Fault
SHE	Sheared
SSD	Soft Sed Deformation
STK	Stockwork
SUS	Solution Structures
THR	Thrust
VEN	Vein

INTENSITY PICKLIST

T	Trace - Very Weak
W	Weak
M	Moderate
S	Strong

MINERAL OCCUR. PICKLIST

VEN	Vein
DIS	Disseminated
REP	Replacement
XLN	Crystaline
MAS	Massive
BED	Bedded
PRB	Porphyroblast
GRM	Groundmass
PRC	Porophyroclast
PHN	Phenocyrst
PSU	Pseudomorph

MINERAL PICKLIST

ACA	Acanthite
ACT	Actinolite
ADU	Adularia
AGG	Silver
AGH	Silver halide
ALB	Albite
ALM	Almandine
AMP	Amphibole
AND	Andalusite
ANH	Anhydrite
ANK	Ankerite
ANO	Antimony ochre
ANT	Anorthoclase
APA	Apatite
ARG	Argentite
ARO	Arsenic ochre
ARS	Arsenopyrite
ATC	Alacamite
AUC	Aufunite-camottite
AUG	Augite
AUU	Gold
AZU	Azurite
BAR	Barite
BIO	Biotite
BIS	Bismuthinite
BOR	Bornite
BOU	Boulangerite
BRU	Brucite
BYT	Bytownite
CAL	Calcite
CAS	Cassiterite
CBN	Carbon
CDY	Chalcedony
CEL	Celestite
CHA	Chalcocite
CHL	Chlorite
CHR	Chromite
CIN	Cinnabar
CLA	Clay
CLZ	Clinozoisite
COB	Cobaltite
COR	Corundum
COV	Covellite
COX	Copper oxide
CPX	Clinopyroxene
CPY	Chalcopyrite
CRY	Crystobalite
CUU	Copper (Native)
DIA	Diamond
DIC	Dickite
DIO	Diopside
DOL	Dolomite
DSP	Diaspore
ELE	Electrum
ENA	Enargite
ENS	Enstatite
EPI	Epidote
ERY	Erythrite
EXG	Exotic Goethite
EXH	Exotic Hematite
EXJ	Exotic Jarosite
FAM	Famatinite
FAY	Fayalite
FEL	Feldspar
FEX	Iron oxide
FLU	Fluorite
FUC	Fuchsite
GAL	Galena
GAR	Garnet
GER	Gersdorffite
GOE	Goethite
GRA	Graphite
GRE	Greenorite
GYP	Gypsum
HED	Hedenbergite
HEM	Haematite
HGG	Mercury
HOR	Hornblende
HUB	Hubnerite
IDO	Idocrase
ILL	Illite
ILM	Ilmenite
ILV	Ilvaite
JAM	Jamesonite
JAR	Jarosite
JOH	Johannsenite
KAO	Kaolinite
KFE	K-feldspar
KYA	Kyanite
LAB	Labradorite
LAZ	Lazurite
LIM	Limonite
MAG	Magnetite
MAL	Malachite
MAN	Manganite
MAR	Marcasite
MBL	Marble
MDL	Molybdenite
MDX	Molybdenum oxide
MGT	Magnesite
MIA	Miargyrite
MIC	Microcline
MIL	Millerite
MNX	Manganese oxide
MNZ	Monazite
MON	Montmorillonite
MRP	Mariposite
MUS	Muscovite
NAU	Naumannite
NIB	Nickel bloom
NIC	Niccolite
NON	Nontronite
OLI	Olivine
OPL	Opal
OPR	Orpiment
OPX	Orthopyroxene
ORT	Orthoclase
OTH	Other
PAR	Paragonite
PBX	Lead oxide
PEN	Pentlandite
PHE	Phengite
PHL	Phlogopite
PLA	Plagioclase
PLU	Pyrolusite
PMO	Pyromorphite
POW	Powellite
PSI	Psilomelane
PYC	Pyrochlore
PYP	Pyrophyllite
PYR	Pyrope
PYX	Pyroxene
PYY	Pyrite
QTZ	Quartz
REA	Realgar
RHD	Rhodonite
RHO	Rhodochrosite
RSI	Ruby silver
RUT	Rutile
SAM	Samarskite
SAN	Sanidine
SCA	Scapolite
SCH	Scheelite
SEC	Sericite
SER	Serpentine
SID	Siderite
SIL	Silica
SLL	Sillimanite
SMA	Smaltite
SPH	Sphalerite
SSS	Silversulfosalt
STA	Staurolite
STB	Stilbite
STI	Stibnite
SUL	Sulfur
TAL	Talc
TEL	Tellurides Au-Ag
TEN	Tennantite
TET	Tetrahedrite
TOP	Topaz
TOU	Tourmaline
TRE	Tremolite
URA	Uraninite
VAN	Vanadinite
WLL	Wollastonite
WOL	Wolframite
WUL	Wulfenite
XEN	Xenotime
ZEO	Zeolite
ZIR	Zircon
ZNX	Zinc oxide
ZOI	Zoisite
ZUN	Zunyite

VOLCANIC -INTRUSIVE MODIFIERS

ABX	Autobreccia
AFT	Ash flow tuff
AGG	Agglomerate
AIR	Air fall tuff
APH	Aphanitic
APL	Aplitic
BAS	Basic
BIM	Bimodal
BRT	Bright
BRX	Brecciated
BXP	Breccia pipe
CIN	Cinder
CLS	Clast supported
COL	Columnar
DEV	Devitrified
DIK	Dyke
DOM	Dome
EQU	Equigranular
FEL	Feldspathic
FLD	Flow banded
FLO	Flow
GLA	Glassy
HYB	Hydrothermal breccia
INT	Intermediate
LIT	Lithic
MIA	Miarolitic
MSP	Matrix supported
PCL	Porcelaineous
PEG	Pegmatitic
PHM	Phreato-Magmatic
PIL	Pillow lava
PLT	Pluton
PLG	Plug
POY	Porphyritic
PUM	Pumiceous
PYR	Pyroclastic
SCO	Scoriaceous
SLL	Sill
SPR	Spherulitic
STK	Stock
STO	Stockwork
TEP	Tephra
TRA	Trachytic
TUF	Tuff, Ignimbrite
ULB	Ultrabasic
ULM	Ultramafic
UNW	Unwelded
VAP	Vapour phase
VIT	Vitric
VNT	Vent
VOL	Volcanic
VUG	Vuggy
WAL	Water-lain
WEL	Welded
XLT	Crystalline

METAMORPHIC MODIFIERS

AEH	Albite-Epidote hrnfls
AMF	Amphibolite facies
COM	Contact metamorphism
EAF	Epidote-Amphib facies
ECF	Eclogite facies
GNE	Gneissose
GRF	Granulite facies
GSF	Glauco - schist facies
GSS	Greenschist facies
HFD	Hornfelsed
HHF	Hrnblnd-hrnfls facies
LIN	Lineated
MEG	Megacrystic
MET	Metamorphosed
MET	Metasomatic
MIC	Micaceous
PHY	Phyllitic
PPF	Prehn-Pumpell facies
RME	Regional metamorphism
SCH	Schistose
ZEF	Zeolite facies

SEDIMENTARY MODIFIERS

ALS	Algal structure(s)
ARG	Argillaceous
ARK	Arkosic
BAP	Balls and pillows
BDY	Boudary
BED	Bedding
BIO	Bioclastic
BIT	Bioturbated
CAL	Calcareous
CHA	Channels
CHE	Cherty
CLP	Clay pebbles
CLR	Climbing ripples
CNC	Concretions
CNG	Conglomeratic
COB	Cobbly
COL	Convolute lamin
CRB	Cross-bedded
DIS	Dish structures
DOL	Dolomite
ECB	Epsilon cross-bedded
EXH	Exhalative
FEP	Fluid escape pipes
FER	Ferruginous
FLB	Flaser bedding
FLC	Flute casts
FLS	Flame structure
FLU	Fluidized
FOS	Fossiliferous
GRA	Graphitic
GRB	Graded bedding
GRC	Groove casts
KAR	Karst
LAM	Laminated
LEB	Lenticular bedding
LIG	Lithographic
LOC	Load casts
MAB	Massive bedding
MCR	Micritic
MEB	Medium bedding
MIC	Mixed clasts
MSU	Matrix supported
OOL	Oolithic
PEL	Pellet(oid)
QTS	Quartzose
SAN	Sandy
SHA	Shaly
SLT	Silty
SPA	Sparry (calcite)
TFC	Tuffaceous
VCL	Volcaniclastic

TEXTURAL MODIFIERS

ANC	Angular clasts
BAN	Banded
BLK	Blocky
BUR	Burrowed
CRG	Coarse-grained
CRY	Crystalline
CSP	Clast supported
FAG	Fault gouge
FIG	Fine-grained
FRI	Friable
HAR	Hard
MEG	Medium-grained
PLM	Polymictic
SFT	Soft
SIL	Siliceous

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Sample No.	Au ppb	As ppm	Bi ppm	Sb ppm	W ppm	Chemex Cert.No.	UTM Zone	UTM East	UTM North	Sample Type	Rock Type	Rock Mod1	Rock Mod2	Rock Mod3	Rock Color	Rock Alt'n1	Alt'n1 Intense	Rock Alt'n2	Alt'n2 Intense	Rock Alt'n3	Alt'n3 Intense	Rock Min1	Min1 Pct	Min1 Occur
VR22070	-5	36	-2	2	-10	A9826868	7	629762	7137842	SS														
VR22071	600	97	n/a	20	400	A9827432	7	629757	7137874	PC														
VR22072	-5	232	-2	-2	-10	A9826868	7	629984	7137911	SS														
VR22073	17	775	n/a	11	23	A9827432	7	629988	7137922	PC														
VR22074	-10	23	n/a	4	-5	A9826796	7	633241	7139464	PC														
VR22075	-5	10	-2	-2	-10	A9826868	7	633286	7139416	SS														
VR22076	-5	2	-2	-2	-10	A9826868	7	633246	7139272	SS														
VR22077	13	15	n/a	3	-5	A9826796	7	633231	7139287	PC														
VR22116	-5	28	-2	-2	-10	A9826868	7	631378	7137324	SS														
VR22117	-10	24	n/a	6	-5	A9827432	7	631371	7137350	PC														
VR22150	5	6	-2	-2	-10	A9829276	7	628968	7133782	SS														
VR22151	10	38	-2	8	-10	A9829276	7	634935	7136823	SS														
VR22152	-5	6	-2	-2	-10	A9829276	7	637573	7137150	SS														
VR22153	-5	22	-2	-2	-10	A9829276	7	638799	7133601	SS														
VR22154	180	220	-2	6	-10	A9829276	7	638361	7133273	SS														
VR22216	10	10	-2	2	-10	A9829276	7	636818	7134904	SS														
VR22217	50	18	-2	-2	-10	A9829276	7	636327	7136135	SS														
VR22218	-5	8	-2	-2	-10	A9829276	7	639032	7136904	SS														
VR22219	-5	-2	-2	-2	-10	A9829276	7	639433	7133938	SS														
VR22220	-5	-2	-2	-2	-10	A9829276	7	639250	7133939	SS														
VR22221	10	34	-2	6	-10	A9829276	7	639908	7132049	SS														
VR22316	90	418	24	216	-10	A9823904	7	629643	7134079	SS														
VR22322	25	14	-2	2	-10	A9826868	7	629406	7136740	SS														
VR22323	-10	25	n/a	5	-5	A9828574	7	629413	7136717	PC														
VR22324	10	70	2	6	-10	A9826868	7	629474	7136722	SS														
VR22325	10	66	n/a	17	5	A9826796	7	629446	7136856	PC														
VR22326	-5	24	-2	4	-10	A9826868	7	635615	7138665	SS														
VR22327	-10	25	n/a	10	7	A9826796	7	635592	7138661	PC														
VR22328	-5	6	-2	-2	-10	A9826868	7	635685	7138551	SS														
VR22329	-10	8	n/a	1	-5	A9826796	7	635894	7138562	PC														
VR22330	10	62	-2	-2	-10	A9826868	7	644169	7133474	SS														
VR22331	30	1130	2	6	-10	A9827824	7	632406	7131839	SS														
VR22332	40	1350	-2	2	-10	A9827824	7	632306	7131678	SS														
VR22333	-5	800	-2	-2	-10	A9827824	7	634001	7132970	SS														
VR22334	-5	110	-2	2	-10	A9827824	7	633402	7136098	SS														
VR22335	810	47	n/a	9	93	A9827794	7	633450	7136115	PC														
VR22336	-5	14	-2	2	-10	A9827824	7	633388	7136232	SS														

Sample No.	Rock Min2	Min2 Pct	Min2 Occur	Rock Min3	Min3 Pct	Min3 Occur	Struct Type1	Struct1 Strike	Struct1 Dip	Struct1 Dip Az	Struct Type2	Struct2 Strike	NOTES
VR22070													
VR22071													
VR22072													
VR22073													
VR22074													
VR22075													
VR22076													
VR22077													
VR22116													
VR22117													
VR22150													
VR22151													
VR22152													
VR22153													
VR22154													
VR22216													
VR22217													
VR22218													
VR22219													
VR22220													
VR22221													
VR22316													
VR22322													
VR22323													
VR22324													
VR22325													
VR22326													
VR22327													
VR22328													
VR22329													
VR22330													
VR22331													
VR22332													
VR22333													
VR22334													
VR22335													
VR22336													

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Sample No.	Au ppb	As ppm	Bi ppm	Sb ppm	W ppm	Chemex Cert.No.	UTM Zone	UTM East	UTM North	Sample Type	Rock Type	Rock Mod1	Rock Mod2	Rock Mod3	Rock Color	Rock Alt'n1	Alt'n1 Intense	Rock Alt'n2	Alt'n2 Intense	Rock Alt'n3	Alt'n3 Intense	Rock Min1	Min1 Pct	Min1 Occur
VR22337	20	340	-2	4	-10	A9827824	7	632886	7135915	SS														
VR22338	1480	83	n/a	7	7	A9827794	7	632873	7135901	PC														
VR22339	30	240	2	2	-10	A9827824	7	631682	7137074	SS														
VR22340	33	65	n/a	7	8	A9827794	7	631660	7137040	PC														
VR22341	30	610	-2	36	-10	A9827824	7	631349	7136971	SS														
VR22342	30	280	-2	2	-10	A9827824	7	636012	7133893	SS														
VR22343	120	140	n/a	7	68	A9827794	7	636007	7133910	PC														
VR22344	15	86	-2	4	-10	A9827824	7	636103	7134436	SS														
VR22345	230	1090	4	2	-10	A9827824	7	635325	7132040	SS														
VR22346	105	1030	8	2	-10	A9827824	7	635276	7132074	SS														
VR31854	-5	210	-2	-2	-10	A9826869	7	630578	7135748	GR	DIO	FIG			TA	SLC	M	PYT	M			PYT	3	DIS
VR31855	175	64	2	-2	-10	A9826869	7	635218	7130952	FL	GRD	POY	HOR	FEL	RD	PRP	S	SER	W	CAR		CPY	tr	DIS
VR31856	1740	180	36	-2	-10	A9826869	7	635067	7130942	RG	MNZ	QTZ	POY	HOR	WT	PRP	W	SER	W			CPY	0.5	DIS
VR31857	475	1830	-2	40	-10	A9826869	7	635066	7130945	FL	GRD	ARS			BN	SER	M	CHL	W	WEA	M	ARS	2	DIS
VR31858	45	42	-2	-2	-10	A9826869	7	635066	7130947	RC	GRD				BN	PRP	M	CHL	W	CAL	M	CAL	<5	DIS
VR31859	30	3390	-2	60	-10	A9826869	7	635057	7131003	RC	GRD	VEN			BN	WEA	M	SER	M	BLE	M	ARS	10	DIS
VR31860	140	534	-2	12	-10	A9826869	7	635051	7131003	RC	GRD				TA	WEA	M	SER	M	ARG	M	ARS	3	DIS
VR31861	30	296	-2	-2	-10	A9826869	7	635084	7131065	FL	AND	POY			GN	PRP	M	CHL	M			TOU	<1	
VR31862	20	78	-2	2	-10	A9826869	7	634988	7131255	FL	GRD	VEN	FLT		WT	WEA	M	CAL	M	PRP	W	LIM	2	REP
VR31863	155	160	-2	-2	-10	A9826869	7	634960	7131386	FL	GRD	HOR	BIO		WT	POT	W					CPY	tr	DIS
VR31864	65	182	-2	-2	-10	A9826869	7	634950	7131498	FL	GRD	HOR	MEG		WT	CAL	W					CPY	tr	DIS
VR31865	135	2000	18	18	-10	A9826869	7	634904	7131591	FL	GRD	VEN	QTZ			WEA	M					ARS	tr	DIS
VR31879	950	6	440	10	-10	A9828555	7	631108	7133877	RC	SHL	LAM	HFD		TA	BLE	M	SER	M	PHY	M	JAR	<1	REP
VR31880	10	64	6	-2	-10	A9828555	7	631105	7133983	RC	QZT	SHL			TA	BLE	W	SLC	W			LIM	<1	REP
VR31881	15	388	38	4	-10	A9828555	7	631108	7133883	RG	SLT	shl	SST	HFD	GY	LIM	W	WEA	W			QTZ	<2	VEN
VR31882	-5	26	208	52	-10	A9828555	7	631110	7133887	RC	SLT	BRX	FRA		GY	SLC	M					LIM	1	REP

Sample No.	Rock Min2	Min2 Pct	Min2 Occur	Rock Min3	Min3 Pct	Min3 Occur	Struct Type1	Struct1 Strike	Struct1 Dip	Struct1 Dip Az	Struct Type2	Struct2 Strike	NOTES
VR22337													
VR22338													
VR22339													
VR22340													
VR22341													
VR22342													
VR22343													
VR22344													
VR22345													
VR22346													
VR31854													Sample taken over 5-10m on scree slope.
VR31855	PYY	tr	DIS	QTZ	tr	VEN	VEN				FRA		PN-GN CRE GRD crowded FEL phenocrysts, DIS (interstitial) PYY, CPY cross cut by rare 1mm QTZ VEN with tr mineralization. Nice PRP altered, good CAR, CHL, greenish tinge QTZ FEL; CAR on FRA faces.
VR31856	TOU	0.1	VEN	ARS	tr	DIS	VEN	260	77	W	JOI	260	Sample taken over 1m. Intensity of VEN and JOI 2/m. CPY also occurs in VEN; QTZ at 2% occurs in Ven; GY-WT and PN CRE MNZ with DIS sulphides and sulphides on FRA/JOI +/- veinlets. One piece of QTZ-TOU. See sample card for diagram.
VR31857	LIM	3	REP	PYY	1	DIS	VEN				JOI		DIS blebs of ARS in SER altered CRE GRD.
VR31858							VEN	104	75				Sample taken oer 0.5m. Intensity of VEN/FRA is >10/m; CAL also occurs in VEN; PRP altered shear zone cutting PN CRE GRD.
VR31859	LIM	5	REP				FLT	068	80	M			Sample taken over 30cm; moderate ARG alteration also present; ARG altered shear with DIS ARS in GRD; no real QTZ VEN; no TOU.
VR31860	LIM	3	REP				VEN	068	80	M			Sample taken over 1.0m; moderate BLE; decomposed shear in GRD; DIS ARS in GRD; taken 5m from VR31859.
VR31861	QTZ	<1	VEN	CAL	<1	VEN							TOU occurs along FRA.
VR31862	ARS	tr					VEN	090			FLT	090	Decomposed LIM CRE GRD, minor CAR VEN.
VR31863	PYY	tr	DIS				FRA						Rock grab from talus; intensity of FRA is 2/m; sulphides also occurs within FRA; fresh WT CRE GRD with DIS CPY and CPY on LIM JOI surfaces.
VR31864	ARS	tr	DIS	PYY	tr	DIS	FRA				JOI		Sample taken from scree slope; DIS sulphide within CRE GRD and more commonly on JOI faces; usually adjacent to HBL or within PYY; GY FEL, BIO POR and DIK common in out crop and in 10% of scree.
VR31865	LIM	2	REP	TOU	5	VEN	VEN				JOI		Grab sample from scree with some high grade bits to see if sufficient to generate soil anomaly; BIO-FEL POR present in area; ocassional QTZ VEN cross cutting DIK; ARS also occurs in VEN; CAL occurs as REP as well.
VR31879	CLA	2					FLT	087	90				Sample taken over 0.25m over SL sample VR80476; narrow shear zone approx 0.25m wide with LIM-JAR-CLA on BLE light grey SHL; SER is weak to moderate.
VR31880							JOI	040	90	W			Grab sample taken 8m NW of VR31879; mainly QZT with grit GY matrix.
VR31881							LAM				JOI	167	Rubble of SLT-QZT cross cut by thin QTZ VEN with minor LIM. Intensity of JOI is 3/m. Sample taken 6m NW of VR31879.
VR31882							BXX				FRA		Sample taken over 1.0m, 10m NW of VR31879; LIM also occurs on FRA.

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Sample No.	Au ppb	As ppm	Bi ppm	Sb ppm	W ppm	Chemex Cert.No.	UTM Zone	UTM East	UTM North	Sample Type	Rock Type	Rock Mod1	Rock Mod2	Rock Mod3	Rock Color	Rock Alt'n1	Alt'n1 Intense	Rock Alt'n2	Alt'n2 Intense	Rock Alt'n3	Alt'n3 Intense	Rock Min1	Min1 Pct	Min1 Occur
VR31883	-5	96	6	-2	-10	A9628555	7	631078	7133993	RC	DIK	HOR	FIG		GY	WEA	M	PYR	W	SLC	W	PYY	2	DIS
VR31884	-5	8	-2	2	-10	A9628555	7	631042	7133996	RC	QZT	FIG			TA							LIM	<1	REP
VR31885	-5	42	-2	2	-10	A9628555	7	630980	7134107	RG	SLT	shl	CAL	BRX	TA	BLE	M					LIM	<1	REP
VR31886	10	318	-2	-2	-10	A9628555	7	630954	7134095	RC	DIO	AND	FIG	BIO	TA							PYY	5	DIS
VR31887	-5	44	-2	2	-10	A9628555	7	630703	7134312	RC	QZT	SLT			GY	WEA						PYY	<3	DIS
VR31888	10	36	-2	-2	-10	A9628555	7	634076	7130081	FL	HFD	GRD	MTS	BIO	BN	SLC	W					PYT	2	
VR31889	80	10000	18	134	-10	A9628555	7	634092	7130051	FL	VEN	BRX	QTZ	ANK								CPY	<1	DIS
VR31890	-5	38	-2	-2	-10	A9628555	7	633136	7130130	FL	DIO	AND	POY	DIK	GN	CHL	W	SLC	W	BLE	W	PYT	2	DIS
VR31891	-5	202	-2	-2	-10	A9628555	7	633057	7130264	RC	RHY	DIK	POY	QTZ	GY	SLC						PYT	1	DIS
VR31892	-5	24	-2	2	-10	A9628555	7	633047	7130295	RC	QTZ	VEN	HFD	MTS	WT	SLC	S					QTZ	90	VEN
VR31893	-5	26	-2	40	-10	A9628555	7	638626	7132259	GR	POR	DIK			BN	PRP	M	WEA	M			LIM	2	REP
VR31894	15	94	-2	10	-10	A9628555	7	638642	7132252	GR	MTS	POY			BN	WEA	M	OXI	M			QTZ	2	VEN
VR31895	5	12	-2	-2	-10	A9629266	7	632186	7133868	RC	DIO	DIK			GN	SER	M	PYT	M	BLE	M	PYT	5	DIS
VR31896	-5	10	-2	-2	-10	A9629266	7	632040	7134114	RG	QZT	HFD			WT	BLE	M	SLC	W	SER	W	PYT	1	DIS
VR53351	-5	-2	-2	-2	-10	A9628555	7	630926	7136099	RK	MNZ	BIO	MEG		BK							PYY	<1	
VR53352	-5	-2	-2	-2	-10	A9628555	7	630772	7136275	RK	DIK	MAF	BIO		GN	OXI	M							
VR53353	-5	70	-2	-2	-10	A9628555	7	629434	7135708	RK	QZT	SLT	SIL		OR	OXI	M							
VR53354	-5	102	-2	-2	-10	A9628555	7	629192	7135517	RK	DIK	MAF				CSI						CAL		
VR53363	100	516	-2	-2	-10	A9628573	7	634186	7130688	SL														
VR53364	145	556	-2	-2	-10	A9628573	7	633966	7130693	SL														
VR53365	80	546	-2	-2	-10	A9628573	7	633818	7130786	SL														
VR53366	145	312	-2	14	-10	A9628573	7	633610	7130873	SL														
VR53367	30	272	-2	4	-10	A9628573	7	633585	7130808	SL														
VR53368	10	136	-2	2	-10	A9628573	7	633416	7130893	SL														
VR53369	-5	54	-2	-2	-10	A9628573	7	633166	7130860	SL														
VR53370	-5	82	-2	2	-10	A9628573	7	632987	7130880	SL														
VR53371	10	96	-2	2	-10	A9628573	7	632734	7130921	SL														
VR53372	-5	140	-2	2	-10	A9628573	7	632549	7130848	SL														
VR53373	15	130	-2	-2	-10	A9628573	7	632467	7130928	SL														
VR53374	-5	42	-2	2	-10	A9628573	7	632295	7130975	SL														
VR53375	-5	36	-2	-2	-10	A9628573	7	632172	7131121	SL														
VR53376	-5	52	-2	4	-10	A9628573	7	632171	7131354	SL														

Sample No.	Rock Min2	Min2 Pct	Min2 Occur	Rock Min3	Min3 Pct	Min3 Occur	Struct Type1	Struct1 Strike	Struct1 Dip	Struct1 Dip Az	Struct Type2	Struct2 Strike	NOTES
VR31883	PYT	2	DIS				DIK	264	75				Sample taken 25m from VR31879 over 1.5m; weak CHL alteration.
VR31884	QZT	<1	VEN				FRA	086	70				Sampke taken over 0.25m.
VR31885													Grab sample taken over 3m 10m wide saddle; possible extension of large extension zone extending to the east across face.
VR31886							DIK	096	22				DIO DIK sample taken over 1.5m.
VR31887							BED	293	60				Sample taken over 1.5m.
VR31888		dis					JOI						Sample taken from scree.
VR31889	ARS	2	DIS				VEN				BRX		Sample taken from scree slope at SL VR58034; coarse blebs of ARS and CPY in QTZ - ANK VEN large BRX VEN with CPY and ARS filling?
VR31890	CAL	<1	FRA				DIK						Sample taken from scree; PYT bearing AND DIK. Hand sample taken.
VR31891							DIK	285	40				Hand sample taken of QTZ - FEL phyric RHY
VR31892							VEN	268			JOI	088	Sample taken over 4m; intensity of JOI 5/m; MTS from wall rock consists of 10%; QTZ VEN more or less continuous but it is probably controlled by JOI?
VR31893							DIK	280	90				Rotten POR DIK approx. 15m wide.
VR31894	LIM	2					FRA				DIK		Rusty fragments of MTS and POR DIK over selvage of DIK.
VR31895	LIM	tr	REP				DIK	190	18				Sample taken over 1.0m below DDH 80-1A; rusty WEA PYT bearing DIK approx 40m from 60m on surface from DDH collar at azimuth 146; moderate SLC alteration.
VR31896							BED						Sample collected from the bottom side of recessive zone as a rock grab from outcrop; weak PYT alteration; PYT also occurs as blebs; PYT - BLE - HFD QZT.
VR53351													Stringers; SLC, selvage (1-2mm), possible sulphides (PYY),
VR53352													DIO DIK cross cuts QZT, similar to MAF DIK cutting CRE GNT at VR53351.
VR53353													Sample taken over 3m across OXI zone; VUG texture; mineralization and alteration.
VR53354	EPI			PYT									Sample taken within MAF DIK near contact with MTS unit - an area 2m wide with EPI - PYT alteration and mineralization; exoskarn?; CSI alteration; Ca-rich fluid; Ca-rich country rock.
VR53363													good sample; GNT bedrock
VR53364													GNT bedrock; good sample.
VR53365													GNT bedrock; good sample.
VR53366													BRX GNT bedrock; stoping/BRX variation on clast angularity.
VR53367													good sample; GNT bedrock.
VR53368													MTS unit; good sample
VR53369													poor sample; MTS unit.
VR53370													poor sample; MTS unit.
VR53371													MTS unit; good soil.
VR53372													sample taken from talus of GNT and QZT.
VR53373													good well developed soil; GRD talus.
VR53374													MTS unit; talus derived soil.
VR53375													good sample; MTS unit.
VR53376													MTS unit

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ANTIMONY MOUNTAIN PROPERTY - 1998 SAMPLE DESCRIPTIONS

Sample No.	Au ppb	As ppm	Bi ppm	Sb ppm	W ppm	Chemex Cert.No.	UTM Zone	UTM East	UTM North	Sample Type	Rock Type	Rock Mod1	Rock Mod2	Rock Mod3	Rock Color	Rock Alt'n1	Alt'n1 Intense	Rock Alt'n2	Alt'n2 Intense	Rock Alt'n3	Alt'n3 Intense	Rock Min1	Min1 Pct	Min1 Occur
VR53377	20	100	2	4	-10	A9828573	7	632268	7131454	SL														
VR53378	20	476	2	10	-10	A9828573	7	632427	7131517	SL														
VR53379	40	668	-2	14	10	A9828573	7	632645	7131552	SL														
VR53380	35	208	-2	8	-10	A9828573	7	632829	7131587	SL														
VR53381	45	444	4	6	-10	A9828573	7	633027	7131623	SL														
VR53382	-5	12	-2	-2	-10	A9828573	7	638602	7132256	SL														
VR53383	-5	10	-2	-2	-10	A9828573	7	638645	7132319	SL														
VR57567	-5	64	-2	6	-10	A9823580	7	630865	7133867	SL	SLA				BK									
VR57568	-5	44	-2	4	-10	A9823580	7	630874	7133887	SL	QZT				WT	BLE	S	ARG	W					
VR57569	45	408	-2	1255	-10	A9823580	7	630838	7134020	SL	SLA	QZT			GY									
VR57570	10	184	2	14	-10	A9823580	7	630721	7134090	SL	QZT				YW	FOX	M							
VR57571	15	470	-2	22	-10	A9823580	7	630717	7134092	SL	QZT	STK			TA									
VR57572	5	264	-2	8	-10	A9823580	7	630698	7133984	SL	QZT				BN	FOX	S							
VR57573	-5	54	-2	2	-10	A9823580	7	630698	7133984	SL	DIA				GY							PYT	5	DIS
VR57574	15	76	-2	10	-10	A9823580	7	630659	7134038	SL	QZT				GY	SLC	S	FOX	M			PYT	3	VEN
VR57575	-5	226	2	28	-10	A9823580	7	630576	7133955	SL	QZT				GY	BLE	S	FOX	S					
VR57576	-5	142	-2	18	-10	A9823580	7	630576	7133955	SL														
VR57577	-5	32	-2	2	-10	A9823580	7	630505	7133959	SL	QZT				GY	FOX	W							
VR57578	-5	158	-2	8	-10	A9823580	7	630416	7133943	SL														
VR57579	10	140	-2	18	-10	A9823580	7	630306	7133997	SL														
VR57580	-5	36	-2	4	-10	A9823580	7	630245	7133960	SL	QZT				TA	HFD	W							
VR57581	5	78	6	24	-10	A9823580	7	630155	7133929	SL														
VR57582	-5	20	-2	2	-10	A9823580	7	630021	7133943	SL	QZT	STK			GY									
VR57583	5	28	-2	12	-10	A9823580	7	629943	7133960	SL	SST				TA									
VR57584	-5	10	-2	2	-10	A9823580	7	629779	7134020	SL	QZT				GY									
VR57585	-5	54	-2	8	-10	A9823580	7	632292	7132860	SL	CHT				BK	FOX	W							
VR57586	30	138	2	10	-10	A9823580	7	632187	7132695	SL	SLT				TA	BLE	S					CLA	90	BED

Sample No.	Rock Min2	Min2 Pct	Min2 Occur	Rock Min3	Min3 Pct	Min3 Occur	Struct Type1	Struct1 Strike	Struct1 Dip	Struct1 Dip Az	Struct Type2	Struct2 Strike	NOTES
VR53377													QZT bedrock; poor sample.
VR53378													MTS unit
VR53379													MTS unit (CHT); poor sample.
VR53380													MTS unit (CHT).
VR53381													poor sample; CHT (MTS unit).
VR53382													varied MTS unit - QZT.
VR53383													MTS unit - QZT; poor sample.
VR57567													Colluvium of Narchilla slate dominated slope; sample taken from within rusty patch; rust caused by PYT from DIO DIK; rock sample VR80872 taken from same location.
VR57568													Colluvium/talus fines; taken from area of bleached, clay altering grit unit; poor sample.
VR57569													Colluvium/talus fines; nearly soil; fair sample.
VR57570							FRA	090					Colluvium/talus fines at base of out crop; FRA, OXI grut unit; TA coloured matrix.
VR57571													Good B/C mix; taken over VEN QZT colluvium; milky WT VEN is FEL; cutting this plus following margins of FEL VEN is GY VUG QTZ VEN; QTZ VEN is < cm-scale.
VR57572							FRA	100	90	S			Region of DIK intrusion, alteration (OXI FRA and BLE) of grit unit; colluvium C sample.
VR57573													Good C horizon, good clay content; OXI soil; region of plag DIK (s?) with DIS, mm size, sulphides.
VR57574	PYY	1	DIS										PYT occur as stringers along FRA; PYY occur as DIS cubes/clots; talus/colluvium from gully; crystals appear rounded, groundmass is SLC crystal boundaries fuzzy or interlocked; interstitial sulphide and sulphide blebs DIS in rock; possibly altered (cooked)
VR57575													Good clayey C horizon; rock chips of QZT are sugary and WEA with small pits - looks like good material.
VR57576													Duplicate of VR57575
VR57577													Damp, good B soil; a bit fluffy; taken on north edge of High Lead Ck below forks.
VR57578													Moist talus material; poor sample.
VR57579													Talus fines/colluvium; taken on up stream side of first major tributary; the gully showing up on topo maps.
VR57580													Fair sample; poor B development; some C; lots of roots and peat; north side of creek.
VR57581													South side of creek; fair sample, silty; looks like transported material is being cemented together - ferricrete; north side is cliff like, out crop is GY SLA.
VR57582							STK			S			Fair sample. Lots of roots; GY/TA grit interbeds of SLA (<1 foot thick); pervasive milky WT STK, both bedding parallel and cross cutting; cross cutting STK is discontinuous/gash filling.
VR57583													Gritty, good B, some C; rock types are now fine TA SST interbedded with GY-GN SLA (SLT).
VR57584													Poor sample; in coarse grit unit.
VR57585							bed	258	70	M			OR-BN b/c mix; rusty WEA, hummocky FRA; BK and GY bedded CHT.
VR57586	QTZ	10	BED										Good B soil; YW pocket can be traced upslope at a bearing of 294; possible SLT bed within fine grained QZT unit with preferential WEA causing FEL grains to clay alter.

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VR57587	-5	48	-2	2	-10	A9823580	7	632267	7132643	SL	QZT				BF	FOX	W							
VR57588	25	212	-2	18	-10	A9823580	7	632180	7132617	SL	QZT				GY	BLE	W							
VR57589	280	118	-2	14	-10	A9823580	7	632112	7132573	SL	QZT				WT									
VR57590	10	44	-2	4	-10	A9823580	7	631974	7132574	SL	QZT	STK			GY									
VR57591	10	56	-2	4	-10	A9823580	7	631839	7132544	SL	QZT				GY									
VR57592	10	80	10	10	-10	A9823580	7	631748	7132449	SL	QZT				GY									
VR57593	5	30	-2	6	-10	A9823580	7	631923	7132496	SL	QZT				GY									
VR57594	10	46	-2	4	-10	A9823580	7	631999	7132428	SL	QZT	STK			WT	FOX	W					QTZ	15	STK
VR57595	20	72	-2	10	-10	A9823580	7	631975	7132380	SL	QZT	STK			GY									
VR57596	30	262	2	10	-10	A9823580	7	631961	7132318	SL	SHL				BK									
VR57597	10	74	-2	8	-10	A9823580	7	631885	7132239	SL	QZT				GY	HFD	S							
VR57598	-5	38	-2	4	-10	A9823580	7	631884	7132166	SL	QZT				TA									
VR57622	5	40	-2	4	-10	A9826797	7	629906	7133804	SL	QZT													
VR57623	-5	22	-2	-2	-10	A9826797	7	629782	7133699	SL	qzr				WT									
VR57624	10	14	-2	-2	-10	A9826797	7	629714	7133816	SL	QZT													
VR57625	10	42	-2	2	-10	A9826797	7	629668	7133895	SL	SLT	QZT												
VR57626	35	188	2	4	-10	A9826797	7	637115	7132796	SL	QZT				WT									
VR57627	80	1635	-2	12	-10	A9826797	7	637135	7132880	SL	QZT				WT									
VR57628	25	208	-2	2	-10	A9826797	7	637139	7133025	SL														
VR57629	245	822	4	6	-10	A9826797	7	637162	7133124	SL	QZT				WT									
VR57630	15	104	-2	-2	-10	A9826797	7	637117	7133224	SL	QZT				WT									
VR57631	1940	4960	46	26	80	A9826797	7	637052	7133209	SL	QZT				GY									
VR57632	50	104	-2	-2	-10	A9826797	7	636922	7133280	SL	SLT				GY									
VR57633	110	446	-2	8	-10	A9826797	7	636850	7133399	SL	QZT				TA									
VR57634	55	172	2	2	-10	A9826797	7	636784	7133396	SL	QZT				TA									
VR57635	-5	84	-2	-2	-10	A9826797	7	636717	7133454	SL	QZT				TA									
VR57636	-5	58	2	-2	-10	A9826797	7	636635	7133511	SL	HNF													
VR57637	-5	62	-2	2	-10	A9826797	7	636533	7133531	SL	QZT				GY									
VR57638	-5	70	-2	2	-10	A9826797	7	636491	7133564	SL	QZT				GY									
VR57639	5	84	-2	-2	-10	A9826797	7	636397	7133629	SL														
VR57640	-5	72	-2	-2	-10	A9826797	7	636267	7133629	SL	HNF				PP									
VR57641	10	226	-2	-2	-10	A9826797	7	636186	7133704	SL	QZT				TA									

Sample No.	Rock Min2	Min2 Pct	Min2 Occur	Rock Min3	Min3 Pct	Min3 Occur	Struct Type1	Struct1 Strike	Struct1 Dip	Struct1 Dip Az	Struct Type2	Struct2 Strike	NOTES
VR57587													Poor sample, no fine material; mix of dark BN fluffy A and minor C horizon.
VR57588													Good B soil showing at surface (leached?); lots of roots hairs and moss fibres; rock type is GY grit (fine grained); looks like matrix is altering to clay (WEA).
VR57589													Good B and some C; BL-GY to WT fine grit; discontinuous Fe-oxide stained FRA; HBL POR AND intrusive FL 10m west of sample site.
VR57590													Good B soil within QZT talus past intrusive FL.
VR57591													Good B soil, moist; OR OXI along FRA, very weak.
VR57592													Fair B soil, fluffy and coarse; pass over rusty QTZ VEN (VUG) FL within MTS on way to sample.
VR57593													Fair C sample, some B; fine grained SST (QZT); GY interlocked grain boundaries; dark GY QZT filling hairline FRA; start picking up milky WT QTZ VEN with druse covered VUG to 2cm size.
VR57594													Fair B soil and some C; milky WT QTZ VEN grit; Fe-oxide stained surfaces.
VR57595													Poor to fair sample; fluffy A horizon mixed with B soil.
VR57596													Mix of dark BN B soil with shaly C; taken from shaley layer within coarse grit unit.
VR57597													Fair sample, B/C mix; HFD QZT with hairline GY QTZ veinlets.
VR57598													good B horizon
VR57622													Good B horizon; sampled little spur between RH sample of June 4 and TM sample VR57720.
VR57623													Good B; from short gully draining into Antimony Creek.
VR57624													Good B, sandy/silty
VR57625													good B horizon; colluvium and till.
VR57626													Good b horizon; OR-BN; HFD fine grained QZT.
VR57627													Good B/C horizon; talus fines; OXI is weaker.
VR57628													surrounding rock QZT; good sample
VR57629													B/C horizon; surrounded by WT QZT; good sample.
VR57630													dark BN soil; good sample.
VR57631													good sample
VR57632													good B/C/ horizon
VR57633													good sample; clay content not given
VR57634													good sample, poor soil development.
VR57635													OR-BN soil; fair sample; poor soil development
VR57636													good sample
VR57637													good sample
VR57638													good sample
VR57639													good sample
VR57640													20% A horizon in sample; dark BN.
VR57641													poor sample

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VR57642	95	656	-2	-2	-10	A9826797	7	636072	7133743	SL														
VR57678	80	990	10	22	-10	A9829268	7	631763	7134372	SL	QZT				WT	FOX	W							
VR57679	60	212	-2	8	-10	A9829268	7	631595	7134407	SL	QZT				GY	SLC	W					ARS	tr	
VR57680	70	236	2	8	-10	A9829268	7	631595	7134407	SL														
VR57681	40	538	18	24	-10	A9829268	7	631376	7134445	SL	HNF				PP									
VR57682	75	318	-2	2	-10	A9829268	7	631219	7134705	SL	MNZ	HOR			GY									
VR57683	20	142	-2	8	-10	A9829268	7	631081	7134663	SL														
VR57684	20	64	-2	6	-10	A9829268	7	630901	7134744	SL	QZT				GY									
VR57685	-5	30	-2	-2	-10	A9829268	7	630688	7134878	SL	QZT				GY									
VR57686	-5	24	-2	-2	-10	A9829268	7	630480	7134920	SL	QZT	HOR			BK									
VR57711	-5	14	-2	6	-10	A9823580	7	630754	7133714	SL	SHL	QZT			GY	WEA	M							
VR57712	-5	10	-2	8	-10	A9823580	7	630690	7133659	SL	QZT				TA	WEA	M							
VR57713	-5	12	-2	10	-10	A9823580	7	630624	7133729	SL	QZT					LIM	S							
VR57714	-5	14	-2	6	-10	A9823580	7	630538	7133735	SL	QZT	SHL			BF									
VR57715	-5	12	-2	10	-10	A9823580	7	630413	7133774	SL	CNG	QZT			TA	LIM	M					QTZ	95	
VR57716	-5	8	-2	10	-10	A9823580	7	630435	7133757	SL														
VR57717	-5	28	-2	14	-10	A9823580	7	630304	7133774	SL	CNG	QZT			TA									
VR57718	10	182	-2	22	-10	A9823580	7	630233	7133824	SL	QZT	SHL												
VR57719	-5	20	-2	6	-10	A9823580	7	630109	7133844	SL	QZT													
VR57720	-5	20	-2	2	-10	A9823580	7	629944	7133815	SL	QZT													
VR57721	-5	10	-2	2	-10	A9823580	7	629879	7133881	SL	QZT													
VR57722	10	178	-2	2	-10	A9823580	7	632310	7132843	SL	QZT				BF									
VR57723	-5	86	-2	6	-10	A9823580	7	632284	7132714	SL	QZT				BF									
VR57724	45	224	-2	18	-10	A9823580	7	632288	7132675	SL														
VR57725	35	382	6	16	-10	A9823580	7	632307	7132601	SL	QZT				TA									
VR57726	-5	30	-2	-2	-10	A9823580	7	632294	7132453	SL	HNF				TA	WEA	M							
VR57727	15	144	-2	14	-10	A9823580	7	632264	7132455	SL														
VR57728	40	26	-2	2	-10	A9823580	7	632235	7132362	SL														
VR57729	270	3480	20	48	-10	A9823580	7	632023	7132249	SL														
VR57730	10	104	-2	2	-10	A9823580	7	631947	7132122	SL														
VR57731	55	62	-2	-2	-10	A9829266	7	632827	7133000	RG	QTZ	VEN			WT							QTZ	100	VEN
VR57732	-5	26	-2	-2	-10	A9829266	7	632838	7133010	RC	MTS	QZT			TA									
VR57901	-5	12	-2	2	-10	A9823580	7	630756	7133661	SL														
VR57902	-5	2	-2	8	-10	A9823580	7	630744	7133581	SL														
VR57903	-5	8	-2	6	-10	A9823580	7	630718	7133549	SL														

Sample No.	Rock Min2	Min2 Pct	Min2 Occur	Rock Min3	Min3 Pct	Min3 Occur	Struct Type1	Struct1 Strike	Struct1 Dip	Struct1 Dip Az	Struct Type2	Struct2 Strike	NOTES
VR57642													good B horizon; boulders and pebbles; OR-BN soil; north bank of Toby Gulch.
VR57678													good sample of talus fines, very little clay and little fine material.
VR57679													talus fines, no clay; good sample; OR-BN; ARS occur as fine needles.
VR57680													duplicate of VR57679
VR57681													good sample; real soil.
VR57682													Fair soil; from GNT boulder scree on the GNT plug contact?; strongly WEA.
VR57683													Fair soil; downslope from sample VR58409; possible edge of GNT plug.
VR57684													Fair sample, little fine material; passed over MAF and intermediate intrusives talus and TOU +-CAL VEN 50m east of site.
VR57685													Fair sample; upslope of GNT plug.
VR57686													poor sample, no fine material, lots of rocks.
VR57711													Good sample; taken below outcrop of QZT with VEN.
VR57712													Moderate sample; taken near FA sample; sulphide DIS in QZT.
VR57713													Good sample from area of GOU QZT.
VR57714													Poor sample; too shaley to get very deep; soil has lots of shaley bits.
VR57715													Good sample; rubble and outcrop of CNG and coarse QZT; occasional QTZ VEN in rubble.
VR57716													Duplicate of VR57715
VR57717													Moderate sample; CNG and QZT rubble; soil has lots of shaley bits.
VR57718													Poor sample; lots of shaley bits.
VR57719													Poor sample; loessy; QZT fine to medium grained.
VR57720													moderately good sample
VR57721													UTM discrepancy: sample card - 629944E, 7133815N; moderately good sample.
VR57722													Good sample; frost boil QZT; grit unit with minor VEN (VUG) visible in rubble.
VR57723													poor sample; lots of rocky bits.
VR57724													poor sample
VR57725													Good sample; in E-W gully filled with this OR dirt.
VR57726													moderate sample (?loessy)
VR57727													moderate sample; same rock as VR57726.
VR57728													Poor sample; sample taken around mixed scree.
VR57729													Good sample; taken from GOS patch of dirt 2m x 2m.
VR57730													Poor sample scraped off scree.
VR57731							VEN	232	35		BED	240	RH95137 taken here. QTZ EN sample; approx. 0.5-1m thick; took flinc sample; see TM110; VEN looks unmzd.
VR57732													Altered QZT with sulphides.
VR57901													SLA/QZT contact; BED 134/42.
VR57902													Grit/QZT units.
VR57903													OXI grit/QZT unit

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VR57904	5	20	-2	4	-10	A9823580	7	630632	7133512	SL														
VR57905	-5	10	-2	4	-10	A9823580	7	630615	7133497	SL														
VR57906	-5	6	-2	2	-10	A9823580	7	630607	7133508	SL														
VR57907	-5	2	-2	10	-10	A9823580	7	630523	7133447	SL														
VR57908	-5	2	-2	8	-10	A9823580	7	630467	7133473	SL														
VR57909	-5	8	-2	2	-10	A9823580	7	630405	7133497	SL														
VR57910	5	26	-2	6	-10	A9823580	7	630356	7133506	SL														
VR57911	-5	18	-2	2	-10	A9823580	7	630257	7133506	SL														
VR57912	10	10	-2	-2	-10	A9823580	7	630155	7133506	SL														
VR57913	10	10	-2	-2	-10	A9823580	7	629963	7133484	SL														
VR57914	200	270	2	2	10	A9823580	7	637154	7133080	SL														
VR57915	50	312	2	8	-10	A9823580	7	637093	7133097	SL														
VR57916	65	1545	-2	10	-10	A9823580	7	636943	7133249	SL														
VR57917	80	260	8	6	-10	A9823580	7	636875	7133219	SL														
VR57918	-5	40	-2	2	-10	A9823580	7	636862	7133274	SL														
VR57928	-5	26	-2	-2	-10	A9826797	7	630264	7136364	SL														
VR57929	-5	38	-2	-2	-10	A9826797	7	630468	7136436	SL														
VR57930	-5	24	-2	-2	-10	A9826797	7	630662	7136351	SL														
VR57931	-5	36	-2	4	-10	A9826797	7	630804	7136274	SL														
VR57932	130	490	6	6	-10	A9826797	7	630929	7136149	SL														
VR57933	10	92	-2	2	-10	A9826797	7	631125	7136217	SL														
VR57934	10	18	-2	-2	-10	A9826797	7	631306	7136162	SL														
VR57935	-5	552	-2	4	-10	A9826797	7	631488	7136125	SL														
VR57936	20	308	-2	-2	-10	A9826797	7	637186	7133257	SL														
VR57937	5	32	2	2	-10	A9826797	7	637116	7133306	SL														
VR57938	10	62	-2	2	-10	A9826797	7	637079	7133386	SL														
VR57939	-5	44	-2	2	-10	A9826797	7	637035	7133467	SL														
VR57940	-5	64	-2	6	-10	A9826797	7	636937	7133504	SL														
VR57941	220	186	-2	2	-10	A9826797	7	636848	7133542	SL														
VR57942	10	90	-2	12	-10	A9826797	7	636750	7133589	SL														
VR57943	20	664	2	8	-10	A9826797	7	636698	7133644	SL														
VR57944	10	228	-2	12	-10	A9826797	7	636646	7133741	SL														
VR57945	15	232	-2	6	-10	A9826797	7	636581	7133815	SL														
VR57946	10	142	2	-2	-10	A9826797	7	636515	7133876	SL														

Sample No.	Rock Min2	Min2 Pct	Min2 Occur	Rock Min3	Min3 Pct	Min3 Occur	Struct Type1	Struct1 Strike	Struct1 Dip	Struct1 Dip Az	Struct Type2	Struct2 Strike	NOTES
VR57904							BED	132	32		JOI	172	QZT/grit unit; numerous barren QTZ VEN with no OXI; enechelon VEN
VR57905													Grit unit; OXI stringers; coarse grained QTZ grit unit; VUG QTZ-CAR VEN - OXI; trend VEN 022/78; veinlets 0.5cm.
VR57906													QZT/SLA interbedded; flute structures/flaser bedding; lenticular bedding in SLA; high energy; QTZ-grit unit, fining up?; greywacke unit - Bouma Sequence; silt and sand units also.
VR57907													QZT grit unit; OXI soil.
VR57908													QZT unit; OXI soil.
VR57909													Near VEN (OXI) sample VR80968; other sedimentary structures; roll over folds; load casts; asymmetrical ripples.
VR57910													QZT/grit unit.
VR57911													Grit/SLA units.
VR57912													soil on grit, QZT unit.
VR57913													SLA unit
VR57914													soil over QZT
VR57915													QZT bedrock
VR57916													gully; QZT unit; OXI
VR57917							BED	070	80				QZT/SLA unit; OXI; mostly QZT/grit
VR57918													QZT unit; moss covered.
VR57928													good sample; coarse grained meta grit units
VR57929													MTS unit
VR57930													moderate sample; MTS
VR57931													MTS
VR57932													MTS/Tombstone GNT contact
VR57933													MTS
VR57934													MTS; poor sample
VR57935													MTS
VR57936													QZT/good sample
VR57937													MTS; poor sample
VR57938													poor sample; MTS; OXI soil.
VR57939													GNT outcrop
VR57940													MTS; poor sample
VR57941													MTS; poor sample
VR57942													OXI (LIM soil); OXI MTS; moderate sample.
VR57943													poor sample; MTS
VR57944													GNT outcrop
VR57945													claim posts: post 1 - YB67781/80, post 2 - YB67778/79; MTS
VR57946													good sample; MTS

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Sample No.	Au ppb	As ppm	Bi ppm	Sb ppm	W ppm	Chemex Cert.No.	UTM Zone	UTM East	UTM North	Sample Type	Rock Type	Rock Mod1	Rock Mod2	Rock Mod3	Rock Color	Rock Alt'n1	Alt'n1 Intense	Rock Alt'n2	Alt'n2 Intense	Rock Alt'n3	Alt'n3 Intense	Rock Min1	Min1 Pct	Min1 Occur
VR57947	10	148	-2	-2	-10	A9826797	7	636334	7133944	SL														
VR57948	15	90	-2	-2	-10	A9826797	7	635699	7134113	SL														
VR57949	-5	42	-2	-2	-10	A9826797	7	635540	7133985	SL														
VR57950	-5	42	-2	-2	-10	A9826797	7	635318	7133840	SL														
VR57951	-5	96	-2	-2	-10	A9826797	7	635164	7133652	SL														
VR57952	-5	28	-2	-2	-10	A9826797	7	634947	7133702	SL														
VR57953	5	510	-2	-2	-10	A9826797	7	634738	7133715	SL														
VR57954	-5	642	-2	-2	-10	A9826797	7	634504	7133592	SL														
VR57955	35	982	6	2	-10	A9826797	7	634348	7133405	SL														
VR57956	5	56	-2	-2	-10	A9826797	7	644173	7132697	SL														
VR57957	40	2180	126	2	-10	A9826797	7	644058	7132635	SL														
VR57958	20	126	-2	-2	-10	A9826797	7	643961	7132782	SL														
VR57959	-5	24	-2	-2	-10	A9826797	7	643816	7132946	SL														
VR57960	-5	52	-2	-2	-10	A9826797	7	643984	7132950	SL														
VR57961	35	108	-2	6	-10	A9827801	7	632634	7133001	SL														
VR57962	40	84	-2	2	-10	A9827801	7	632652	7132862	SL														
VR57963	20	58	-2	6	-10	A9827801	7	632649	7132767	SL														
VR57964		718	2	10	-10	A9827801	7	632613	7132617	SL														
VR57965	25	536	2	8	-10	A9827801	7	632677	7132594	SL														
VR57966	25	80	-2	2	-10	A9827801	7	632693	7132447	SL														
VR57967	65	144	-2	6	-10	A9827801	7	632739	7132333	SL														
VR57968	-5	76	-2	6	-10	A9827801	7	632737	7132293	SL														
VR57969	10	82	-2	-2	-10	A9827801	7	632742	7132117	SL														
VR57970	10	50	-2	-2	-10	A9827801	7	632482	7132115	SL														
VR57971	10	106	-2	2	-10	A9827801	7	631725	7131660	SL														
VR57972	5	22	-2	2	-10	A9827801	7	631731	7131872	SL														
VR57973	-5	20	-2	-2	-10	A9827801	7	631682	7131997	SL														
VR57974	10	32	-2	8	-10	A9827801	7	631641	7132135	SL														
VR57975	15	272	-2	2	-10	A9827801	7	635212	7132149	SL														
VR57976	15	920	2	-2	-10	A9827801	7	635199	7132261	SL														
VR57977	10	554	-2	-2	-10	A9827801	7	635228	7132353	SL														
VR57978	55	668	-2	-2	-10	A9827801	7	635216	7132430	SL														
VR57979	-5	20	-2	4	-10	A9827801	7	631669	7132233	SL														
VR57980	-5	24	-2	2	-10	A9827801	7	631667	7132318	SL														
VR57981	-5	20	-2	-2	-10	A9827801	7	631645	7132461	SL														
VR57982	-5	8	2	4	-10	A9827801	7	631439	7132427	SL														
VR57983	-5	14	-2	-2	-10	A9827801	7	631425	7132351	SL														

Sample No.	Rock Min2	Min2 Pct	Min2 Occur	Rock Min3	Min3 Pct	Min3 Occur	Struct Type1	Struct1 Strike	Struct1 Dip	Struct1 Dip Az	Struct Type2	Struct2 Strike	NOTES
VR57947													okay sample
VR57948													P1 - YB52834/3, P2 YB67782/3
VR57949													good sample
VR57950													poor sample; MTS; P1 YB52835/6, P2 YB52833/4
VR57951													poor sample; QZT (MTS); numerous FL of FOL k-sp rich GNT; insitu location?
VR57952													poor sample; MTS
VR57953													GNT outcrop
VR57954													GNT bedrock
VR57955													GNT bedrock
VR57956													GNT bedrock; good sample
VR57957													poor sample
VR57958													on MTS; SLT (MTS).
VR57959													GNT outcrop; moderate (fair) sample.
VR57960													GNT bedrock
VR57961													QZT/SLT
VR57962													poor sample
VR57963													poor sample
VR57964													very poor sample
VR57965													poor sample
VR57966													poor sample; MTS unit
VR57967													poor sample
VR57968													very poor sample
VR57969													poor sample
VR57970													very poor sample
VR57971													moderate sample; GNT bedrock
VR57972													QZT bedrock
VR57973													QZT bedrock
VR57974													QZT bedrock
VR57975													GNT
VR57976													GNT bedrock; good sample
VR57977													GNT bedrock
VR57978													GNT bedrock
VR57979													QZT bedrock
VR57980													QZT bedrock
VR57981													QZT bedrock
VR57982													QZT
VR57983													QZT

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Sample No.	Au ppb	As ppm	Bi ppm	Sb ppm	W ppm	Chemex Cert.No.	UTM Zone	UTM East	UTM North	Sample Type	Rock Type	Rock Mod1	Rock Mod2	Rock Mod3	Rock Color	Rock Alt'n1	Alt'n1 Intense	Rock Alt'n2	Alt'n2 Intense	Rock Alt'n3	Alt'n3 Intense	Rock Min1	Min1 Pct	Min1 Occur
VR57984	-5	18	-2	2	-10	A9827801	7	631420	7132249	SL														
VR57985	-5	24	-2	10	-10	A9827801	7	631437	7132105	SL														
VR57986	-5	48	2	8	-10	A9827801	7	631471	7131990	SL														
VR57987	-5	10	-2	2	-10	A9827801	7	631463	7131874	SL														
VR57988	-5	12	2	8	-10	A9827801	7	631485	7131766	SL														
VR57989	25	118	2	14	-10	A9827801	7	631502	7131643	SL														
VR57990	-5	16	-2	6	-10	A9827801	7	631540	7131539	SL														
VR57991	5	14	-2	2	-10	A9827801	7	631527	7131457	SL														
VR58002	-5	10	-2	-2	-10	A9826797	7	629894	7135985	SL	HNF	QZT	SHL	DIK										
VR58003	-5	10	-2	16	-10	A9826797	7	629959	7136114	SL	QZT				TA									
VR58004	-5	6	-2	-2	-10	A9826797	7	630031	7136291	SL	QZT													
VR58005	-5	348	-2	2	-10	A9826797	7	630202	7136350	SL														
VR58006	-5	102	4	2	-10	A9826797	7	630397	7136270	SL	QZT	PRP	AND	DIO										
VR58007	-5	50	-2	2	-10	A9826797	7	630447	7136158	SL	SST													
VR58008	-5	72	-2	4	-10	A9826797	7	630499	7136019	SL	SHL				TA									
VR58009	35	792	6	10	-10	A9826797	7	630592	7135914	SL	MNZ	QZT												
VR58010	10	2530	12	2	-10	A9826797	7	630597	7135778	SL	QZT	HFD	SHL											
VR58011	-5	272	-2	-2	-10	A9826797	7	630735	7135650	SL	QZT													
VR58012	-5	58	-2	-2	-10	A9826797	7	644269	7132620	SL	GRD	SHL												
VR58013	45	290	4	-2	-10	A9826797	7	644084	7132451	SL	SHL	GRD												
VR58014	10	136	2	4	-10	A9826797	7	644008	7132334	SL	SHL	HFD												
VR58015	25	48	-2	2	-10	A9826797	7	643928	7132168	SL	GRD													
VR58016	65	200	-2	-2	-10	A9826797	7	643846	7131966	SL	MTS	HFD	GRD											
VR58017	60	26	-2	2	-10	A9826797	7	643650	7131966	SL	GRD	HFD	MTS		BN									
VR58018	-5	20	-2	-2	-10	A9826797	7	644341	7132731	SL	SHL	MTS	HFD	GRD										
VR58019	-5	10	-2	2	-10	A9826797	7	644530	7132812	SL	QZT	QTZ	VEN	GRD										
VR58034	175	1465	6	40	-10	A9828573	7	634078	7130047	SL	GRD	MTS	HFD	AND										
VR58035	20	134	-2	34	-10	A9828573	7	633906	7130042	SL	GRD	MTS	HFD											
VR58036	10	152	-2	20	-10	A9828573	7	633754	7130047	SL	MTS	HFD												
VR58037	-5	196	-2	54	-10	A9828573	7	633620	7130104	SL	MTS	GRD	HFD									TOU	tr	VEN
VR58038	40	562	6	50	-10	A9828573	7	633443	7130055	SL	MTS	HFD	SLS									PYY	tr	
VR58039	20	240	2	44	-10	A9828573	7	633210	7130249	SL	MTS	HFD												
VR58040	10	164	-2	12	-10	A9828573	7	633048	7130326	SL	MTS	HFD	QTZ	VEN										
VR58041	10	162	10	16	-10	A9828573	7	632791	7130320	SL	MTS	HFD	DIO											
VR58042	50	42	-2	8	-10	A9828573	7	632604	7130418	SL	SHL	QZT	DIO											

Sample No.	Rock Min2	Min2 Pct	Min2 Occur	Rock Min3	Min3 Pct	Min3 Occur	Struct Type1	Struct1 Strike	Struct1 Dip	Struct1 Dip Az	Struct Type2	Struct2 Strike	NOTES
VR57984													QZT
VR57985													QZT
VR57986													QZT; good sample.
VR57987													QZT
VR57988													QZT
VR57989													
VR57990													QZT FL
VR57991													moderate sample
VR58002													On ridge at claim post staging area; HFD, SLA, SHL, QZT cross cut by minor POR DIK; sample from small decomposed QTZ rich DIK <1m.
VR58003													LIM decomposed QZT, monir QTZ VEN; okay sample; minor DIK (intermediate) in area.
VR58004													okay sample
VR58005													
VR58006													okay sample (PRP altered); FL of AND-DIO and QZT cross cut by rusty QTZ VEN.
VR58007													no notes taken on the soil sample taken; FL of GY SST - arkose, CLY altered FEL grains present <5%; variably CLC; FL of ferricrete on slope 10%.
VR58008													
VR58009													In gully
VR58010													okay sample; HFD MTS.
VR58011													some ash?
VR58012													okay sample; PRP altered CRE GRD (HOR bearing).
VR58013													okay sample; mixed FL of POR and SHL, GOU WEA locally.
VR58014													okay sample
VR58015													okay sample; PYT bearing CRE GRD
VR58016													okay sample
VR58017													okay sample
VR58018													sample taken on ridge; loess?
VR58019													loess?
VR58034													Rock FL VR31889 of ARS-CPY QTZ BXX VEN at same site; more of a stream sediment sample taken at base of talus.
VR58035													Talus fines; small pieces of QTZ-MUS-CAR VEN in scree in area; VEN in MTS?
VR58036													Talus fines; QTZ+-ARS+-TOU VEN fairly common in MTS.
VR58037	QTZ	tr	VEN	ARS	tr	VEN	VEN						VEN mapped by Energold located up slope.
VR58038	PYT	tr		CPY	tr								Minor amounts of sulphides in HFD MTS - PYY PYT, CPY.
VR58039													talus fines.
VR58040													Talus fines; QTZ VEN FL in scree.
VR58041													Talus fines; no QTZ FL in talus except for QTZ stringers in MTS.
VR58042													Talus; no HFD talus; QZT and SHL; QTZ stringers.

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Sample No.	Au ppb	As ppm	Bi ppm	Sb ppm	W ppm	Chemex Cert.No.	UTM Zone	UTM East	UTM North	Sample Type	Rock Type	Rock Mod1	Rock Mod2	Rock Mod3	Rock Color	Rock Alt'n1	Alt'n1 Intense	Rock Alt'n2	Alt'n2 Intense	Rock Alt'n3	Alt'n3 Intense	Rock Min1	Min1 Pct	Min1 Occur
VR58043	25	40	2	6	-10	A9828573	7	632444	7130407	SL	SHL	QZT	DIO											
VR58044	-5	28	-2	8	-10	A9828573	7	632258	7130436	SL	SHL	QZT	DIO											
VR58045	-5	26	-2	6	-10	A9828573	7	632070	7130577	SL	SHL	DIO												
VR58101	-5	16	-2	-2	-10	A9826869	7	637036	7132726	RG	GWK				BK	SLC	M	OXI	M			QTZ	50	
VR58102	80	6	-2	-2	-10	A9826869	7	636779	7133026	RG	GOS	QZT	HFD		WT	BLE	M	OXI	S	WEA		QTZ	95	
VR58104	-5	3300	-2	6	-10	A9826869	7	636626	7133149	FL	VEN				BN							CAL	50	VEN
VR58105	-5	14	-2	-2	-10	A9827801	7	632193	7132786	SL														
VR58106	10	88	-2	8	-10	A9827801	7	632196	7132663	SL														
VR58107	45	248	-2	8	-10	A9827801	7	632149	7132480	SL														
VR58108	35	246	2	8	-10	A9827801	7	632200	7132407	SL														
VR58109	10	32	-2	2	-10	A9827801	7	632270	7132307	SL														
VR58110	5	96	-2	2	-10	A9827801	7	632262	7132199	SL														
VR58111	10	144	-2	2	-10	A9827801	7	632281	7132121	SL														
VR58112	10	224	-2	8	-10	A9827801	7	632283	7132035	SL														
VR58113	10	74	-2	2	-10	A9827801	7	632269	7131941	SL														
VR58114	-5	10	2	-2	-10	A9827801	7	631967	7138603	SL														
VR58115	10	10	-2	2	-10	A9827801	7	632043	7138374	SL														
VR58116	-5	10	-2	-2	-10	A9827801	7	632379	7138236	SL														
VR58117	15	8	-2	8	-10	A9827801	7	632490	7137941	SL														
VR58118	10	16	-2	-2	-10	A9827801	7	632660	7137774	SL														
VR58119	-5	18	-2	-2	-10	A9827801	7	632748	7137609	SL														
VR58120	-5	16	2	-2	-10	A9827801	7	632765	7137524	SL														
VR58121	-5	84	-2	2	-10	A9827801	7	633101	7137286	SL														
VR58122	-5	36	-2	2	-10	A9827801	7	633187	7137237	SL														
VR58123	-5	10	-2	2	-10	A9827801	7	633547	7137126	SL														
VR58124	10	26	-2	2	-10	A9827801	7	633613	7137050	SL														
VR58125	-5	22	-2	-2	-10	A9827801	7	633711	7136954	SL														
VR58126	-5	22	-2	4	-10	A9827801	7	633711	7136954	SL														
VR58127	50	172	2	4	-10	A9827801	7	632388	7135353	SL														
VR58128	70	2080	6	32	-10	A9827801	7	632313	7135392	SL														
VR58129	35	738	6	10	10	A9827801	7	632032	7135617	SL														
VR58130	20	90	2	2	-10	A9827801	7	631938	7135660	SL														
VR58131	10	92	-2	2	-10	A9827801	7	631831	7135659	SL														
VR58132	25	94	-2	2	-10	A9827801	7	631764	7135660	SL														
VR58133	415	2450	50	32	-10	A9827801	7	632427	7133614	SL														
VR58134	65	178	-2	6	10	A9827801	7	632340	7133660	SL														
VR58135	360	1220	14	8	100	A9827801	7	632320	7133741	SL														

Sample No.	Rock Min2	Min2 Pct	Min2 Occur	Rock Min3	Min3 Pct	Min3 Occur	Struct Type1	Struct1 Strike	Struct1 Dip	Struct1 Dip Az	Struct Type2	Struct2 Strike	NOTES
VR58043													Talus fines.
VR58044													talus fines
VR58045													very poor sample; INS???
VR58101	PYY	3	DIS										HFD present. Sample taken 20m north of WP011.
VR58102													QTZ is granular and sucroic.
VR58104	TRE	25	VEN	ANK	10	VEN							TRE occur as rosettes.
VR58105													soil on ridge top over QZT scree; 10m north of sample VR80875.
VR58106													QZT talus.
VR58107													Sample collected just before dry creek gully.
VR58108													Poor sample, lots of rock chips; talus fines.
VR58109													
VR58110													Sample from within area of QZt talus; TOU VEN and patches common in QZT.
VR58111													
VR58112													
VR58113													
VR58114													Soil from notch in ridge.
VR58115													very fine grained sandy brown sand
VR58116													Sample taken from TA-BN saddle on ridge.
VR58117													TA colour reflects underlying TA limy SLT.
VR58118													Dark colour reflects underlying BK SHL horizon.
VR58119													Poor soil on rocky ridges.
VR58120													Poor soil (talus fines) on rocky ridge; SHL grit.
VR58121													RD clay in cut to north side of peak.
VR58122													Sample from col in south side of DIO spire.
VR58123													
VR58124													poor soil, talus fines.
VR58125													Sample at top of pass from grizzly valley.
VR58126													duplicate of VR58125
VR58127													Soil over BIO MNZ scree.
VR58128													Soil over disintegrated QTZ MNZ.
VR58129													talus fines; gully below MNZ outcrop and talus.
VR58130													talus fines
VR58131													talus fines
VR58132													talus fines; OR-BN gully scree.
VR58133													Sample in talus fan 20m below outcrop.
VR58134													talus fines
VR58135													talus fines

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Sample No.	Au ppb	As ppm	Bi ppm	Sb ppm	W ppm	Chemex Cert.No.	UTM Zone	UTM East	UTM North	Sample Type	Rock Type	Rock Mod1	Rock Mod2	Rock Mod3	Rock Color	Rock Alt'n1	Alt'n1 Intense	Rock Alt'n2	Alt'n2 Intense	Rock Alt'n3	Alt'n3 Intense	Rock Min1	Min1 Pct	Min1 Occur
VR58136	70	248	-2	12	-10	A9827801	7	632258	7133779	SL														
VR58137	325	1415	58	34	10	A9827801	7	632163	7133929	SL														
VR58138	100	1575	26	14	-10	A9827801	7	632082	7134021	SL														
VR58139	90	890	8	46	-10	A9827801	7	631995	7134129	SL														
VR58151	10	552	-2	2	-10	A9826797	7	637055	7132727	SL														
VR58152	40	1020	2	4	-10	A9826797	7	636997	7132820	SL														
VR58153	40	1030	-2	6	-10	A9826797	7	636949	7132904	SL														
VR58154	25	2610	-2	12	-10	A9826797	7	636874	7133071	SL														
VR58155	10	648	-2	2	-10	A9826797	7	636820	7133060	SL														
VR58156	15	2900	-2	6	-10	A9826797	7	636837	7133062	SL														
VR58157	25	2490	-2	10	-10	A9826797	7	636671	7133205	SL														
VR58158	25	1750	2	8	-10	A9826797	7	636609	7133229	SL														
VR58159	10	206	-2	-2	-10	A9826797	7	636403	7133338	SL														
VR58160	-5	62	-2	-2	-10	A9826797	7	636372	7133331	SL														
VR58161	65	2120	-2	10	-10	A9826797	7	636287	7133439	SL														
VR58162	55	452	2	6	-10	A9826797	7	636290	7133425	SL														
VR58163	25	348	-2	-2	-10	A9826797	7	636200	7133458	SL														
VR58164	20	3530	2	278	-10	A9827802	7	632187	7132602	FL	FEC	BRX	QZT		BN	OXI	M					LIM	10	
VR58165	-5	42	-2	4	-10	A9827802	7	632266	7132182	GR	QZT				GY							QTZ	95	
VR58166	-5	6	-2	-2	-10	A9827802	7	632641	7137842	GR	SST				BK	OXI	W					LIM	3	VEN
VR58167	-5	18	-2	-2	-10	A9827802	7	633400	7137123	GR	CSH				WT	CSI	M					CAL	50	
VR58168	5	6	-2	-2	-10	A9827802	7	632312	7135414	GR	MNZ	EQU				OXI	W					FEL	50	
VR58169	-5	46	-2	-2	-10	A9827802	7	632166	7135500	RC	QZT				BK	OXI	M					PYY	tr	DIS
VR58170	-5	8	-2	-2	-10	A9827802	7	632172	7135538	GR	MNZ	EQU			GY							FEL	60	
VR58171	10	308	2	-2	-10	A9827802	7	631999	7135636	GR	MNZ				TA	OXI	M					FEL		
VR58172	25	26	-2	-2	-10	A9827802	7	632381	7133661	GR	MNZ	EQU	BIO	DIK	GN	OXI	S					FEL		
VR58173	15	8	-2	-2	-10	A9827802	7	632205	7133877	GR	MNZ	TRA	POY	EQU	GY	OXI	M					FEL	50	
VR58174	6300	50000	290	2020	70	A9827836	7	632116	7134028	FL	VEN	MAS			GY	OXI	S	WEA				ARS	60	
VR58175	25	8	-2	-2	-10	A9827802	7	631869	7134224	RC	MNZ				GN	OXI	S					FEL	60	
VR58201	5	328	-2	-2	-10	A9827801	7	633325	7133881	SL														
VR58202	-5	38	-2	2	-10	A9827801	7	633267	7134012	SL														
VR58203	5	74	-2	2	-10	A9827801	7	633212	7134153	SL														
VR58204	10	98	-2	2	-10	A9827801	7	633070	7134297	SL														
VR58205	10	366	-2	-2	-10	A9827801	7	632860	7134412	SL														
VR58206	30	488	-2	6	-10	A9827801	7	632699	7134551	SL														

Sample No.	Rock Min2	Min2 Pct	Min2 Occur	Rock Min3	Min3 Pct	Min3 Occur	Struct Type1	Struct1 Strike	Struct1 Dip	Struct1 Dip Az	Struct Type2	Struct2 Strike	NOTES
VR58136													5m north of Anaconda Grid 1150S / 3+25E; talus fines.
VR58137													talus fines
VR58138													talus fines
VR58139													Sample taken in steep gully; talus fines.
VR58151													Talus fines 10m below ridge top.
VR58152													Sample collected in centre of gully; greywacke above.
VR58153													
VR58154													
VR58155													Moss mat sample taken from base of talus chute.
VR58156													
VR58157													
VR58158													
VR58159													Toby Creek
VR58160													horizon and clay content not given
VR58161													sample collected in small creek depression draining into Toby Creek.
VR58162													Toby Creek
VR58163													Sample collected on north facing slope of Toby Creek, glacial valley.
VR58164	QTZ	80		SCO									BRX QZT cemented with LIM; FEC; GN SCO?
VR58165	TOU	2	GRM	LIM	1								Sample taken from talus at soil VR5811D; orthoQZT with TOU as DIS in VEN and filling drusy cavities.
VR58166							VEN						LIM occurs within drusy cavities; BK sandy grit with drusy QTZ VEN.
VR58167													CSI? At southern side of DIO Mt. Nansen
VR58168	QTZ	20		BIO	10								Intensity of QTZ VEN 3/m
VR58169													Very OXI xenolith of QZT in equigranular MNZ, tr DIS PYY.
VR58170	QTZ	30		BIO	20		VEN	090					Intensity of VEN is 1/m. Other minerals include; tr DIS CPY, tr DIS PYT; both occur as clots in VEN. Grab sample of QTZ VEN in MNZ; PYT, PYY, CPY clots on VEN surface.
VR58171	QTZ			BIO									ARS and BIO occurs as clots up to 5mm in medium grained rusty BN MNZ. Sample taken from talus.
VR58172	QTZ			BIO									Dark GN fine grained BIO MNZ DIK.
VR58173	QTZ	20		BIO	20								EQU groundmass.
VR58174	GAL	20		SPH	5								Sample taken not far from source. MAS, rusty WEA ARS VEN FL also GAL, SPH CPY.
VR58175	QTZ	20		BIO	10								Chip sample from MNZ DIK; contact strikes 135/90; DIK is approx. 20m wide.
VR58201													good sample; dark BN soil.
VR58202													good sample
VR58203													good sample
VR58204													good sample
VR58205													good sample
VR58206													good sample

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Sample No.	Au ppb	As ppm	Bi ppm	Sb ppm	W ppm	Chemex Cert.No.	UTM Zone	UTM East	UTM North	Sample Type	Rock Type	Rock Mod1	Rock Mod2	Rock Mod3	Rock Color	Rock Alt'n1	Alt'n1 Intense	Rock Alt'n2	Alt'n2 Intense	Rock Alt'n3	Alt'n3 Intense	Rock Min1	Min1 Pct	Min1 Occur
VR58207	25	506	2	-2	-10	A9827801	7	632577	7134682	SL														
VR58208	275	1910	16	14	-10	A9827801	7	632497	7134751	SL														
VR58209	50	1110	2	-2	-10	A9827801	7	632196	7134915	SL														
VR58210	-5	216	2	-2	-10	A9827801	7	631990	7134987	SL														
VR58211	15	182	-2	-2	-10	A9827801	7	631873	7135144	SL														
VR58212	-5	120	-2	-2	-10	A9827801	7	631707	7135240	SL														
VR58213	-5	68	-2	-2	-10	A9827801	7	631547	7135383	SL														
VR58214	-5	52	-2	-2	-10	A9827801	7	630047	7135770	SL														
VR58249	40	180	8	2	-10	A9827802	7	632476	7134768	RC	QZT				GY							PYY		
VR58250	10	720	-2	-2	-10	A9827802	7	632563	7134670	RC	QZT				GY									
VR58251	-5	20	-2	4	-10	A9827801	7	632439	7133027	SL														
VR58253	40	2140	6	8	-10	A9827801	7	632404	7132619	SL														
VR58254	90	820	6	12	-10	A9827801	7	632416	7132445	SL														
VR58255	50	698	2	8	-10	A9827801	7	632421	7132319	SL														
VR58256	10	120	-2	2	-10	A9827801	7	632448	7132152	SL														
VR58257	-5	26	-2	2	-10	A9827801	7	637492	7138179	SL	QZT													
VR58258	-5	10	-2	-2	-10	A9827801	7	637297	7138132	SL	QZT													
VR58259	-5	18	-2	-2	-10	A9827801	7	637108	7138101	SL														
VR58260	-5	12	-2	-2	-10	A9827801	7	636914	7138157	SL	QZT													
VR58261	10	14	-2	2	-10	A9827801	7	636747	7138126	SL	QZT													
VR58262	-5	8	-2	-2	-10	A9827801	7	636661	7137956	SL														
VR58263	-5	10	-2	-2	-10	A9827801	7	636539	7137813	SL														
VR58264	-5	14	-2	-2	-10	A9827801	7	636414	7137654	SL	QZT													
VR58265	15	10	-2	2	-10	A9827801	7	636285	7137501	SL	QZT													
VR58266	-5	10	-2	2	-10	A9827801	7	636186	7137334	SL	QZT													
VR58267	-5	10	-2	4	-10	A9827801	7	636080	7137140	SL														
VR58268	-5	10	-2	-2	-10	A9827801	7	636002	7136965	SL	QZT	SHL												
VR58269	-5	12	-2	2	-10	A9827801	7	635821	7136835	SL	QZT													
VR58270	-5	10	-2	-2	-10	A9827801	7	635748	7136606	SL	QZT	SHL												
VR58271	-5	18	-2	-2	-10	A9827801	7	635700	7136383	SL	QZT													
VR58272	-5	18	-2	-2	-10	A9827801	7	635658	7136188	SL	SHL				PP									
VR58273	-5	16	2	-2	-10	A9827801	7	635573	7135973	SL	SHL	QZT												
VR58274	-5	10	-2	-2	-10	A9827801	7	635568	7135766	SL	SHL				PP									
VR58275	15	18	-2	-2	-10	A9827801	7	635474	7135554	SL	SHL				PP									
VR58276	-5	16	-2	2	-10	A9827801	7	635409	7135412	SL	QZT	SHL												
VR58307	-5	32	-2	16	-10	A9828573	7	629837	7135908	SL														
VR58308	175	466	48	-2	-10	A9828573	7	629653	7135844	SL	QZT													

Sample No.	Rock Min2	Min2 Pct	Min2 Occur	Rock Min3	Min3 Pct	Min3 Occur	Struct Type1	Struct1 Strike	Struct1 Dip	Struct1 Dip Az	Struct Type2	Struct2 Strike	NOTES
VR58207													fair sample
VR58208													good sample
VR58209													good sample
VR58210													good sample
VR58211													fair sample
VR58212													good sample
VR58213													good sample
VR58214													good sample
VR58249													Rock chip off large outcrop; regular PYY sprinkles.
VR58250													Rock chip off an outcrop of same rock.
VR58251													meta QTZ
VR58253													good sample; WEA QTZ outcrop scree.
VR58254													above average sample.
VR58255													poor sample
VR58256													poor sample
VR58257													
VR58258													
VR58259													QZT shell unit; poor sample
VR58260													poor sample
VR58261													
VR58262													shell unit
VR58263													maroon SHL.
VR58264													
VR58265													QZT and shell unit
VR58266													
VR58267													maroon SHL; strong C horizon.
VR58268													SHL and QZT
VR58269													
VR58270													
VR58271													
VR58272													
VR58273													maroon SHL interbedded with QZT
VR58274													poor sample
VR58275													very poor sample
VR58276													
VR58307													grit unit and siltstone.
VR58308													fine QZT

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Sample No.	Au ppb	As ppm	Bi ppm	Sb ppm	W ppm	Chemex Cert.No.	UTM Zone	UTM East	UTM North	Sample Type	Rock Type	Rock Mod1	Rock Mod2	Rock Mod3	Rock Color	Rock Alt'n1	Alt'n1 Intense	Rock Alt'n2	Alt'n2 Intense	Rock Alt'n3	Alt'n3 Intense	Rock Min1	Min1 Pct	Min1 Occur
VR58309	10	42	-2	2	-10	A9828573	7	629558	7135723	SL	QZT													
VR58310	-5	94	-2	-2	-10	A9828573	7	629418	7135745	SL														
VR58311	-5	82	-2	-2	-10	A9828573	7	629418	7135745	SL														
VR58312	10	188	2	6	-10	A9828573	7	629294	7135603	SL	QZT													
VR58313	460	472	104	12	10	A9828573	7	629175	7135557	SL														
VR58314	150	48	-2	-2	-10	A9828573	7	629059	7135451	SL	MNZ											PYY		DIS
VR58315	20	16	-2	-2	-10	A9828573	7	628913	7135424	SL	MTS													
VR58316	-5	14	-2	-2	-10	A9828573	7	628708	7135436	SL	QZT													
VR58317	5	24	-2	4	-10	A9828573	7	628562	7135385	SL	GNE	BIO												
VR58318	-5	8	-2	6	-10	A9828573	7	628490	7135231	SL	DIK	BIO	HOR											
VR58319	-5	24	-2	2	-10	A9828573	7	628412	7135096	SL														
VR58320	-5	36	-2	-2	-10	A9828573	7	628367	7135395	SL	DIK	BIO												
VR58321	-5	32	-2	-2	-10	A9828573	7	628219	7135528	SL	SLA													
VR58322	-5	8	-2	2	-10	A9828573	7	628131	7135698	SL	SHL	SLA			RD									
VR58323	-5	4	-2	-2	-10	A9828573	7	628105	7135896	SL														
VR58324	-5	10	-2	-2	-10	A9828573	7	628102	7136102	SL														
VR58325	-5	6	-2	-2	-10	A9828573	7	628137	7136329	SL	QZT	SHL												
VR58326	-5	16	-2	-2	-10	A9828573	7	628188	7136523	SL														
VR58351		138	-2	14	-10	A9827801	7	632055	7132651	SL														
VR58352	30	120	-2	10	-10	A9827801	7	632034	7132417	SL														
VR58354	25	66	-2	4	-10	A9827801	7	632086	7132426	SL														
VR58355	10	208	2	4	-10	A9827801	7	632040	7132229	SL														
VR58356	-5	56	2	2	-10	A9827801	7	632133	7132210	SL														
VR58357	-5	34	-2	-2	-10	A9827801	7	632121	7132054	SL														
VR58358	-5	88	-2	2	-10	A9827801	7	632137	7132039	SL														
VR58359	-5	72	2	2	-10	A9827801	7	632155	7131836	SL														
VR58360	10	116	-2	-2	-10	A9827801	7	632194	7131806	SL														
VR58361	50	294	2	10	-10	A9827801	7	631918	7131789	SL														
VR58362	30	76	-2	2	-10	A9827801	7	631944	7131869	SL														
VR58363	25	76	2	6	-10	A9827801	7	631946	7131972	SL														
VR58364	10	170	2	4	-10	A9827801	7	631921	7132040	SL														
VR58365	-5	182	-2	12	-10	A9827801	7	631912	7132142	SL														
VR58366	15	160	2	10	-10	A9827801	7	631915	7132258	SL														
VR58367	-5	72	-2	8	-10	A9827801	7	631857	7132340	SL														
VR58368	5	38	-2	2	-10	A9827801	7	631868	7132499	SL														
VR58369	-5	70	-2	4	-10	A9827801	7	631827	7132596	SL														
VR58370	-5	14	-2	-2	-10	A9827801	7	635868	7140623	SL														

Sample No.	Rock Min2	Min2 Pct	Min2 Occur	Rock Min3	Min3 Pct	Min3 Occur	Struct Type1	Struct1 Strike	Struct1 Dip	Struct1 Dip Az	Struct Type2	Struct2 Strike	NOTES
VR58309													P1: YA32345/6; P2: YA32343/4
VR58310													OXI zone 3m wide; trending 136 degrees.
VR58311													duplicate of VR58310
VR58312													poor sample
VR58313													OXI soil; near DIK/QZT contact.
VR58314													PYY also occur as blebs.
VR58315													
VR58316													
VR58317													
VR58318													
VR58319													QZT / SHL contact
VR58320													
VR58321													
VR58322													
VR58323													grit unit
VR58324													baked clay; grit unit.
VR58325													interbedded QZT and SHL
VR58326													poor sample; calcareous grit unit.
VR58351													fair sample
VR58352													good sample; moderate to high clay.
VR58354													good sample
VR58355													good sample
VR58356													fair sample
VR58357													good sample
VR58358													good sample
VR58359													good sample
VR58360													good sample but in valley floor.
VR58361													fair sample on valley bottom; may be partial A horizon.
VR58362													good sample
VR58363													good sample
VR58364													fair sample
VR58365													fair sample
VR58366													nice sample
VR58367													good sample
VR58368													BN soil with GY CLA mixture; good sample.
VR58369													fair sample
VR58370													good sample

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Sample No.	Au ppb	As ppm	Bi ppm	Sb ppm	W ppm	Chemex Cert.No.	UTM Zone	UTM East	UTM North	Sample Type	Rock Type	Rock Mod1	Rock Mod2	Rock Mod3	Rock Color	Rock Alt'n1	Alt'n1 Intense	Rock Alt'n2	Alt'n2 Intense	Rock Alt'n3	Alt'n3 Intense	Rock Min1	Min1 Pct	Min1 Occur
VR58371	-5	12	-2	2	-10	A9827801	7	635770	7140462	SL														
VR58372	-5	14	-2	2	-10	A9827801	7	635671	7140323	SL														
VR58373	-5	8	-2	-2	-10	A9827801	7	635545	7140136	SL														
VR58374	-5	14	-2	-2	-10	A9827801	7	635418	7139960	SL														
VR58375	-5	14	-2	-2	-10	A9827801	7	635270	7139809	SL														
VR58376	-5	18	-2	2	-10	A9827801	7	635089	7139653	SL	QZT													
VR58377	-5	8	-2	-2	-10	A9827801	7	634909	7139549	SL	QZT													
VR58378	-5	14	-2	-2	-10	A9827801	7	634737	7139432	SL														
VR58379	-5	12	-2	-2	-10	A9827801	7	634582	7139282	SL														
VR58380	-5	10	-2	-2	-10	A9827801	7	634543	7139063	SL	QZT													
VR58381	-5	10	-2	-2	-10	A9827801	7	634526	7138811	SL														
VR58382	-5	6	-2	-2	-10	A9827801	7	634546	7138592	SL														
VR58383	-5	26	-2	2	-10	A9827801	7	634464	7138344	SL														
VR58384	-5	16	-2	2	-10	A9827801	7	634391	7138136	SL														
VR58385	-5	12	-2	2	-10	A9827801	7	634404	7137927	SL														
VR58386	-5	14	-2	-2	-10	A9827801	7	634299	7137743	SL														
VR58387	-5	90	-2	-2	-10	A9827801	7	634190	7137516	SL														
VR58388	-5	50	-2	2	-10	A9827801	7	634230	7137512	SL														
VR58389	-5	144	-2	12	-10	A9827801	7	634256	7137326	SL														
VR58390	10	1770	-2	36	-10	A9827801	7	634245	7137223	SL														
VR58391	-5	22	-2	-2	-10	A9827801	7	634147	7137033	SL														
VR58392	-5	10	-2	-2	-10	A9827801	7	634032	7136871	SL														
VR58393	30	296	-2	10	-10	A9827801	7	632899	7135273	SL														
VR58394	-5	140	-2	6	-10	A9827801	7	632793	7135579	SL														
VR58395	10	70	-2	-2	-10	A9827801	7	632555	7135639	SL														
VR58396	25	412	10	20	-10	A9827801	7	632230	7135860	SL														
VR58397	-5	246	8	12	-10	A9827801	7	632143	7135973	SL														
VR58398	15	348	-2	20	-10	A9827801	7	631960	7136048	SL														
VR58399	10	664	8	36	-10	A9827801	7	631843	7136293	SL														
VR58400	10	792	34	180	-10	A9827801	7	631594	7136453	SL														
VR58401	-5	10	-2	-2	-10	A9827802	7	634408	7138109	RG	SST				GY							PYY	tr	
VR58402	-5	16	-2	-2	-10	A9827802	7	634210	7137533	RG	SST				GY	SLC						PYY	<1	
VR58403	-5	-2	-2	-2	-10	A9827802	7	634200	7137520	RG	IIN				GY									

Sample No.	Rock Min2	Min2 Pct	Min2 Occur	Rock Min3	Min3 Pct	Min3 Occur	Struct Type1	Struct1 Strike	Struct1 Dip	Struct1 Dip Az	Struct Type2	Struct2 Strike	NOTES
VR58371													good sample; rusty BN soil
VR58372													good sample; horizon not given.
VR58373													good sample
VR58374													good sample; between VR587374 change from QZT to SHL with occassional CHT on mudstone; rusty, no visible sulphides on 1cm milky QTZ VEN.
VR58375													good sample; no horizon given
VR58376													
VR58377													
VR58378													good sample; rusty SHL fragments.
VR58379													good sample
VR58380													
VR58381													some grit; started as RD-PP soil
VR58382													good sample; SHL fragments
VR58383													good sample; MIC grit with limy mudstone fragments (1cm); some SHL too.
VR58384													good sample
VR58385													good sample
VR58386													
VR58387													fair sample
VR58388													fair sample
VR58389													fair sample
VR58390													good sample; near LMT; limy unit
VR58391													see sample card for diagram.
VR58392													
VR58393													good sample; slightly RD soil
VR58394													fair sample
VR58395													UTM on card: 631806E, 7132612N; fair sample.
VR58396													fair sample; sample hole cut through layer of dark BN/BK soil; see sample card for diagram.
VR58397													good sample
VR58398													good sample
VR58399													fair sample
VR58400													good sample
VR58401	CPY	tr		MAL									Sulphides are fine grained; SST with some grit and limey mudstone, <1.5cm fragments; rusty QTZ VEN <1cm, 5% rock.
VR58402	ARS	tr											Sample is grit/SST unit. PYY is fine grained and occur as <1mm long stringers. See sample card for diagram.
VR58403													Typical of GNT (MNZ) intrusive; strike E-W (perpendicular to ridge).

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Sample No.	Au ppb	As ppm	Bi ppm	Sb ppm	W ppm	Chemex Cert.No.	UTM Zone	UTM East	UTM North	Sample Type	Rock Type	Rock Mod1	Rock Mod2	Rock Mod3	Rock Color	Rock Alt'n1	Alt'n1 Intense	Rock Alt'n2	Alt'n2 Intense	Rock Alt'n3	Alt'n3 Intense	Rock Min1	Min1 Pct	Min1 Occur
VR58404	-5	4	-2	-2	-10	A9827802	7	634220	7137335	RG	IIN				GY	FOX								
VR58405	-5	256	-2	2	-10	A9827802	7	634220	7137230	RG	LST				WT	SLC						PYY		DIS
VR58406	80	90	-2	-2	-10	A9827801	7	631371	7134570	SL														
VR58407	25	78	-2	2	-10	A9827801	7	631151	7134495	SL														
VR58408	30	242	-2	6	-10	A9827801	7	631104	7134569	SL														
VR58409	70	10	-2	-2	-10	A9827802	7	631037	7134587	RG	SST					SLC	S					PYY	10	
VR58410	40	166	6	24	-10	A9827801	7	630996	7134633	SL														
VR58411	10	140	-2	62	-10	A9827801	7	630728	7134879	SL														
VR58412	70	230	2	20	-10	A9827801	7	630443	7135172	SL														
VR58413	5	108	6	8	-10	A9827824	7	630329	7136016	SL														
VR58414	-5	22	-2	-2	-10	A9827802	7	630352	7136043	RG	CNG				RD	FOX								
VR58415	-5	130	-2	-2	-10	A9827802	7	630333	7135755	RG	INT				WT							PYY	3	
VR58416	-5	28	-2	-2	-10	A9827801	7	626809	7134500	SL														
VR58417	15	10	-2	-2	-10	A9827801	7	626958	7134631	SL														
VR58418	110	10	-2	-2	-10	A9827802	7	627025	7134880	RG	MTS	MIC			GY							PYY	tr	
VR58419	-5	22	-2	-2	-10	A9827801	7	627291	7134639	SL														
VR58420	-5	14	-2	-2	-10	A9827801	7	627293	7134468	SL														

Sample No.	Rock Min2	Min2 Pct	Min2 Occur	Rock Min3	Min3 Pct	Min3 Occur	Struct Type1	Struct1 Strike	Struct1 Dip	Struct1 Dip Az	Struct Type2	Struct2 Strike	NOTES
													Sample taken over 5m of talus/outcrop. Along talus near or at intrusive/sedimentary rock contact.
VR58404							BOX	180	80				Sed rock is gritty mudstone; rusty; some "gritty" pieces; maybe sheaded (?) fine grained intrusive. Located 20m SSE Josh's soil VR58389.
VR58405	ARS		DIS										Grit unit; 1-2mm QTZ with very fine grained, DIS PYY and ARS.
VR58406													talus fines: 75% seds, 5% LS, 10% Int, 5% seds with 5-10% PYY-PYT.
VR58407													*Claim line of 60m wide talus run; similar rocks to previous; more int.* Midway between this sample and last GNT Int approx. 50m wide perpendicular to creek. Vertical; some shearing on west side; 20m later <10m black fine grained DIO DIK; same orientation a
VR58408													Below Int/seds outcrop, all rusty also rusty DIO with 1% PYY/PYT; taken in talus soil *representative of outcrop above.*
VR58409	PYT	tr											Sample on west side of 30m wide talus run from possible outcrop or large block of talus; partial vegetation covered; could be sed rock/SST/grit with indistinct grains and high SLC or DIO with MAF replace by SLC??? Plenty of this stuff since start of trave
VR58410													*Taken at claim line approx. 100m wide; talus run closer to valley bottom; good representative of* upper outcrop; same units in talus; occassional GN/GY POR (WT FEL) blocks; also one piece with weak epidote alteration.
VR58411													Old grid pickets nearby; WT GNT outcrop almost to valley floor; soil patch in grass on slide; *sample 4m NE of post below; talus is medium grained GNT; more mudstone, LST, and coarse* WT grit. P1 OM31, P2 OM30.
VR58412													Great deal of GNT outcrop and talus on way here from last sample; sample taken 5m SE posts and is more sandy than soily; posts 18m south of Sb Creek; P1 OM30/31, P2 OM29/28 (J. *Bailey, July 31/98) - stood up and faced right.*
VR58413													Dry steam, 1m wide, 10cm deep, 10% gradient, TA/BN colour, 1-10m to bedrock, sieve 1/4"; one 10x14 plastic bag filled 1/2-3/4 with material from gully bed; no screen so large chunks removed *by hand; sample taken 30m below fork of two gullies draining east*
VR58414													Sample taken from outcrop of very rusty grit unit with CNG phases. Sulphides may be all rusted out; probable source for FL in creek. This sample is a composite grab sample from 3 old pits in 20m(squared) area 10m east of location VR58414.
VR58415													Representative grab taken over 2.5m of fine to medium grained intrusive; *WT/TA high SLC; could* also be MTS; sample includes 25% wall rock (very fine grained sed with some grit, high SLC, rusty).
VR58416													weak to moderate MIC GY seds; weak to moderate Fe stained on <5mm QTZ VEN.
VR58417													same FOL seds.
VR58418							BED	ESE	40		VEN	ESE	Sedimentary rock with micaceous FOL; PYY is very fine grained; rusty <2cm QTZ VEN in 10cm shear; not very well mineralized with rusted out sulphide vugs; located on 30m wide 8m high cliff east side of creek.
VR58419													Taken from "soily" part of mixed talus and low buck brush; more SHL fragments; rock less MIC with more grit; talus block approaches "true grit"; occassional SHL; common <10cm WT, bull QTZ VEN; mica rust common.
VR58420													*More SIL grit still somewhat MIC; bigger block talus.*

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Sample No.	Au ppb	As ppm	Bi ppm	Sb ppm	W ppm	Chemex Cert.No.	UTM Zone	UTM East	UTM North	Sample Type	Rock Type	Rock Mod1	Rock Mod2	Rock Mod3	Rock Color	Rock Alt'n1	Alt'n1 Intense	Rock Alt'n2	Alt'n2 Intense	Rock Alt'n3	Alt'n3 Intense	Rock Min1	Min1 Pct	Min1 Occur
VR58421	-5	30	-2	-2	-10	A9827801	7	627462	7134255	SL														
VR58422	15	14	-2	-2	-10	A9827801	7	627909	7134329	SL														
VR58423	10	10	-2	2	-10	A9827801	7	628034	7134794	SL														
VR58424	-5	2	-2	-2	-10	A9827802	7	627913	7135087	RG		VEN			GY	SLC						PYY		
VR58425	-5	10	-2	-2	-10	A9827801	7	628373	7135235	SL														
VR80056	10	14	-2	2	-10	A9821883	7	632319	7132860	RG	QZT	CRG	VEN		GY	BLE	W	SLC	W			QTZ	5	VEN
VR80057	10	6	-2	2	-10	A9821883	7	631945	7132795	FL	QTZ	BRX	VEN		GY	SLC	S					TOU	5	DIS
VR80058	10	22	2	2	-10	A9821883	7	632024	7132971	FL	SYE				GN	SLC	W	SER	M	BLE	M	PYT	3	DIS
VR80059	10	8	-2	20	-10	A9821883	7	629879	7133722	RC	QZT	QTZ	MEG		BF	CAR	M	BLE	M	ARG	W	PYY	tr	DIS
VR80079	-5	34	-2	-2	-10	A9823565	7	630881	7134172	RG	SLT	SHL	HFD		GY	BLE	M					PYT	3	DIS
VR80080	130	2270	24	250	-10	A9823565	7	630803	7134252	RG	QTZ	VEN	QZT	VUG	GY	SLC	S	LEA	W			QTZ	95	
VR80081	10	90	2	2	-10	A9823565	7	630767	7134236	FL	QZT	CRG	VEN	VUG	GY	BLE		TOU		SLC		TOU	tr	DIS
VR80082	-5	264	-2	-2	-10	A9823565	7	630480	7134329	RG	DIO	POY	HOR		GY	CHL	W	PYT	W			PYT	4	DIS
VR80083	-5	-2	-2	-2	-10	A9823565	7	637591	7131991	DR	DIO	MEG			GY	SLC	M	BLE	M	CHL	M	PYT	0.5	VEN
VR80084	-5	348	-2	2	-10	A9823565	7	637591	7131978	DR	DIO	MEG			GY	SLC	M	BLE	M	CHL	M	TOU	0.1	VEN
VR80085	30	3580	-2	2	-10	A9823565	7	637580	7132028	DR	DIO	FLT	BRX			BLE	M	SLC	W	PHY	M	TOU	1	DIS
VR80086	165	410	-2	2	-10	A9823565	7	637560	7131994	DR	MTS	CHE	LAM	BRX	GY	SLC	M	BLE	W	CHL	W	QTZ	<1	VEN
VR80087	45	2870	-2	6	-10	A9823565	7	637820	7132075	RC	MTS	HFD	SLT		BN	HFD	M	SLC	W			TOU	tr	DIS

Sample No.	Rock Min2	Min2 Pct	Min2 Occur	Rock Min3	Min3 Pct	Min3 Occur	Struct Type1	Struct1 Strike	Struct1 Dip	Struct1 Dip Az	Struct Type2	Struct2 Strike	NOTES
VR58421													Taken from cut in slide 35m north of creek; sandy talus slide "front"; took 2 pans at creek below; nothing but two specks - barite?
VR58422													On slope approx. 100m west of creek at junction with main east side tributary. Very light buckbrush approx. 1-3m to talus; some MIC gritty FOL seds.
VR58423													Taken approx. 100m, not pup. (?) on top of flat vegetated slide; rusty outcrop approx. 300m above; walked up tributary to get here; 90% grit some rust; also minor FOL MIC seds near bottom and minor SHL at top.
VR58424	QTZ												Rusty grit with <0.5cm QTZ VEN with 2cm spacing; taken from talus below outcrop; red shale to SE 50m; *area of folding and some faulting of folds perpendicular to axis.*
VR58425													Rusty grit fragments nearby.
VR80056	LIM	1	REP				VEN						GY, QTE- grit unit cross cut by quartz vein and LIM FRA. QTZ VEN WT to medium GY. Sample taken along ridge.
VR80057	LIM	<1	REP				VEN				BRX		GY, QTZ, VEN-BRX with clots of TOU up to 1cm. LIM stained.
VR80058	LIM	<1	REP										BLE, QTZ, flooded (locally) SYE with DIS PYT. Also moderately chloritized.
VR80059	LIM	1	REP				VEN	070	90	M			Rock chip sample taken over 0.4m. QZT cross cut by WT QTZ VEN with LIM-CAR QTZ and CAR crystals.
VR80079	PYY	2	DIS	ARS	tr	DIS	CLE	288	14	M	So	116	Primary bedding (So) may possibly be CLE. BLE occurs along So-CLE. Rusty-OR weathered shales and siltstonees, locally bleached along JOI and CLE. More blocky beds have DIS sulphides. Intensity of JOI S-W.
VR80080	LIM	1					VEN	063	90				Sample located on west edge of gossan - recessive zone. Float reain of black to dark gray QTZ *and re-crystallized QZT. Trace amounts of PYY and minor LIM.* QTZ VEN approx. 1 m thick.
VR80081	GAL	tr	DIS	QTZ	<10	VEN	VEN						QTZ veined QZT host to HBL - BIO mafic DIK trending approx. 080/steep. Sample RG/FL (not taken from afar).
VR80082													Approx. 25 m of intrusive on ridge.
VR80083	CAR	1	VEN	QTZ	<1	VEN	FRA						Sample taken from hole AJ 88-11 at 49.39 - 50.39 m from the AJ vein at the Energold Camp. SLC-BLE DIO? With PYT on FRA. Late stage carbonate veinlets. PYT occurs on FRA and VEN. Intensity of SLC moderate to strong.
VR80084	QTZ	2	VEN	HEM	tr	*DIS*	FRA			W	STK		Sample taken from AJ vein hole 88-12 at 103.0-104.0m. DIO - SLC cross cut by QTZ - TOU *veinlets*, CAL FRA. Trace HEM alteration on KSP (POT) alteration with DIS QTZ - CAL veinlets.
VR80085	PYT	tr	DIS				VEN				FLT		Previously BLE and SLC DIO not phyllic (clay) alteration FRA or BRX. Zones of TOU DIS and clots in FRA zones. SLC over printed by PHY alteration and BLE. BRX was also noted as another structural feature. TOU occurs in VEN and DIS. Sample taken from AJ vei
VR80086	PYT	<1	VEN	HEM	tr	REP	BRX				VEN		Sample taken from AJ vein hole 88-09 at 158.5' - 161.5'. Mottled texture hornfels mudstone, minor chert. PYT occurs in VEN and stringers.
VR80087	AMP	tr		QTZ	<5	VEN	BED	336	26W		*JOI*	*264*	Sample taken over approx. a 4m cross section of the hanging wall of the AJ vein. Located approx. 25m north from showing. Rusty WEA HFD MST cross cut by JOI with TOU, QTZ, CAR, and *LIM. Some QTZ blebs - flooding (w).* JOI intensity 10/m.

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VR80088	5	428	-2	2	-10	A9823565	7	637547	7132081	RC	DIO	MEG			GY	BLE	M	SLC	W			TOU	1	VEN
VR80089	4300	50000	50	660	10	A9823605	7	637552	7132081	FL	VEN	ARS	QTZ		GY	OXI	W					ARS	50	VEN
VR80090	-5	8	-2	-2	-10	A9823565	7	637558	7132075	FL	QTZ	VEN			WT	SLC	S	POT				QTZ	99	VEN
VR80091	5	428	-2	-2	-10	A9823565	7	637124	7132860	RG	QZT	HFD			WT	SLC	W	BLE	W			TOU	tr	DIS
VR80092	20	6	-2	-2	-10	A9823565	7	636785	7133087	FL	QZT	QTZ	HFD	VUG	GY	BLE	M	SLC	M	PYT	W	CPY	tr	DIS
VR80101	68950	10000	72	622	30	A9826869	7	637130	7132976	RC	VEN	ARS			WT	SCO	W	SLC	S					
VR80102	500	3520	-2	8	-10	A9826869	7	636932	7133313	RC	VEN				TA	FOX	W							
VR80110	10	88	-2	2	-10	A9828555	7	633617	7130828	RC	SHL	HFD				HFD	S					ARS	1	DIS
VR80111	-5	-2	-2	-2	-10	A9828555	7	632501	7131548	FL	CHT				BK							PYY	3	DIS
VR80112	-5	4	-2	-2	-10	A9828555	7	632751	7131601	FL	CHT				BK							ARS	2	STF
VR80113	15	56	-2	-2	-10	A9829266	7	632795	7132958	RG	ARG	CHE			GY							PYY	1	DIS
VR80114	-5	42	-2	4	-10	A9829266	7	632855	7132866	RC	SLT				BF	SLC	M							
VR80115	15	40	-2	-2	-10	A9829266	7	632856	7132866	RC	VEN	MAS			WT							TOU	1	VEN
VR80116	45	62	-2	-2	-10	A9829266	7	632856	7132866	RC	QZT				TA	SLC	M	WEA						
VR80117	5	320	6	2	-10	A9829266	7	632913	7132845	RC	BXC	CLC	CAN	MSU	OR	FOX	S					TOU	1	
VR80118	-5	24	-2	2	-10	A9829266	7	632838	7132914	RC	QZT				WT							QTZ	10	STK
VR80119	-5	4	-2	2	-10	A9829266	7	637552	7137166	RG	SST	CLC			BN							QCA	5	STK
VR80369	10	112	-2	16	-10	A9821853	7	631923	7132690	SL														
VR80370	30	252	-2	20	-10	A9821853	7	631988	7132796	SL	QZT											QTZ		
VR80371	295	1620	8	16	-10	A9821853	7	632077	7133018	SL	SYE	DIO												
VR80372	10	118	-2	-2	-10	A9821853	7	632074	7133125	SL	QZT													
VR80373	45	986	-2	8	-10	A9821853	7	631905	7133228	SL	QZT	HFD	CHE											
VR80374	-5	22	-2	-2	-10	A9821853	7	631728	7133157	SL	QZT	HFD										QTZ		
VR80375	-5	32	-2	2	-10	A9821853	7	631540	7133138	SL														

Sample No.	Rock Min2	Min2 Pct	Min2 Occur	Rock Min3	Min3 Pct	Min3 Occur	Struct Type1	Struct1 Strike	Struct1 Dip	Struct1 Dip Az	Struct Type2	Struct2 Strike	NOTES
VR80068	QTZ	2	VEN	LIM	1	REP	VEN	087	90		JOI	087	Sample taken over approx. 1m. Grid location; 2+00W, 0+25N (Energold AJ Grid). QTZ-TOU VEN have a strong azimuth of 087/90 (intensity 3-4/m), JOI intermsity 2/m. Zone of altered BLE dio cross cut by QTZ-TOU veinlets. Overall zone of similar material 3-4m w
VR80069	QTZ	40	VEN	LIM	5	VEN	VEN	090	90				Sample taken as a FL but close to being in place. Sample <20cm wide. SCO - scorodite.
VR80090	FEL	1	DIS	LIM	tr	REP	VEN	090					Sample taken nearby outcrop. Massive WT QTZ fine grained totally SLC DIO?. Mafic DIO with PYT nearby <2m away to the south.
VR80091	LIM	<1	REP				JOI	172	90		JOI	090	Sample taken from head of Toby Gulch. Sample taken from outcrop. JOI 172/90 (intensity 10/m); JOI 090/90 (intensity 8/m) with trace TOU.
VR80092	PYT	1	DIS	PYY	tr	DIS	JOI	090	90				Sample taken from Toby Gulch. Boulders from out crop 35m up slope. Intensity of JOI >3/m. HFD QZT with VUG and QTZ VEN. No visible TOU. Also tr ARS ocurrs in VEN/DIS. Alteration also includes PYT-PYR.
VR80101							VEN	250	80				Sample taken over 0.4m. QTZ VEN with massive ARS pods. SLC foot wall.
VR80102							VEN	015	90				Narrow solitary VEN with 5% tarnished PYY cubes up to 7mm wide. VUG QTZ - epithermal VEN. TOU stockwork to the north.
VR80110	PYY	1	DIS				JOI	030	74		BED	280	Sample taken over 1.0m. ARS is very fine grained and in needles; PYY is fine grained. Intrusive contact; rusty BN/OR WEA. Outcrop in place BRX clasts of intrusive, very fine grained and microfaulted. Very fine grained ARS needles within sediment.
VR80111	QTZ	1	STK										QTZ occur as mm stringers. Possibly diagenetic PYY but taken because of QTZ stringers. Talus find.
VR80112													ARS appears silvery along FRA. Float boulders of sulphide bearing GY to BK CHT.
VR80113													PYY occur as stringers and is very fine grained. Located at Anaconda drill collar 80-2A.
VR80114													Sample taken fro the hanging wall of the QTZ VEN.
VR80115							FRA	270	90				Sample taken over 1.5m. TOU occurs in hairline veinlets and FRA fillings. Attitude of hanging wall 352/73E; foot wall 006/80E. See sample card for diagram.
VR80116							FRA						Sample taken over 1.0m in footwall of VEN; WEA OR-TA. FRA occur as microfractures.
VR80117													TOU occurs within clasts. Strongle oxidized within groundmass only.
VR80118							BED	210	40				Bedding dips to the SE. QTZ occurs in two episodes. Sugary QZT cut by massive milky WT cm scale QTZ STK and later hairline to mm scale GY QTZ veinlets. No visible sulphides.
VR80119													QCA occur as mm-cm scale veinlets. SST is medium grained, well sorted and massive.
VR80369													talus fines; FL of VEN, BXX, BLE QZT and SHL, minor TOU and cockcomb QTZ in QZT.
VR80370	TOU						VEN				FRA		QZT with TOU on FRA; QTZ TOU VEN (VR80057); BIO-DIO FL <5%; okay sample.
VR80371													abundant FL of SYE-DIO
VR80372													okay sample
VR80373													scree of HFD QZT and CHT.
VR80374							VEN						okay sample; scree of HFD QZT cross cut by QTZ VEN.
VR80375													QZT - grit / SHL

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VR80376	-5	18	-2	2	-10	A9821853	7	631347	7133240	SL	SHL				BK									
VR80377	-5	20	-2	-2	-10	A9821853	7	631132	7133154	SL	SHL				PP									
VR80378	-5	18	-2	-2	-10	A9821853	7	630967	7133146	SL	QZT	SHL												
VR80379	-5	16	-2	-2	-10	A9821853	7	630864	7133157	SL	QZT													
VR80380	15	40	-2	2	-10	A9821853	7	630704	7133087	SL	QZT													
VR80381	30	10	-2	-2	-10	A9821853	7	630559	7133144	SL	QZT													
VR80382	5	10	-2	-2	-10	A9821853	7	630363	7133086	SL	SHL	QZT												
VR80383	-5	8	-2	-2	-10	A9821853	7	630146	7133027	SL	QZT													
VR80384	-5	40	-2	2	-10	A9821853	7	629950	7132645	SL	QZT													
VR80385	-5	42	2	16	-10	A9821853	7	629863	7133715	SL	QZT													
VR80386		-2	-2	-2	-10	A9821852	7	640111	7133205	SL	SHL				PP									
VR80476	1245	14	554	16	-10	A9823580	7	631111	7133939	SL	QZT	SLT	MIC		GY									
VR80477	15	10	-2	12	-10	A9823580	7	631017	7134067	SL	SHL	SLT			GY									
VR80478	-5	296	-2	8	-10	A9823580	7	630873	7134194	SL	SHL	GOU			GY									
VR80479	125	198	-2	30	-10	A9823580	7	630822	7134238	SL	SHL	SLS			GY	BLE	M							
VR80480	5	234	-2	14	-10	A9823580	7	630689	7134314	SL	QZT				GY									
VR80481	5	60	-2	10	-10	A9823580	7	630577	7134329	SL	SHL	CHE	BRX			BLE	M							
VR80482	-5	20	-2	2	-10	A9823580	7	630395	7134367	SL	CHT	SLT			GY									
VR80483	-5	14	-2	-2	-10	A9823580	7	630289	7134303	SL	DIO	HOR	CHE	SLS	GY									
VR80484	-5	26	-2	4	-10	A9823580	7	630158	7134287	SL	DIO	CHT			GY									
VR80485	5	8	-2	-2	-10	A9823580	7	629986	7134209	SL														
VR80486	10	6	-2	2	-10	A9823580	7	629743	7134235	SL	LST	QZT	SHL		GY									
VR80487	35	8480	-2	14	-10	A9823580	7	637836	7132065	SL	MTS	HFD												
VR80488	-5	122	-2	-2	-10	A9823580	7	637561	7132061	SL	DIO													
VR80489	50	742	-2	12	-10	A9823580	7	637039	7132899	SL	QZT	HFD			GY							TOU		VEN
VR80490	30	804	-2	10	-10	A9823580	7	636933	7132939	SL	QZT	HFD				HFD		SLC	W			TOU	<1	VEN
VR80491	40	2900	-2	14	-10	A9823580	7	636856	7133010	SL	QZT	SYE	HFD			BLE						TOU		VEN
VR80492	35	1185	-2	6	-10	A9823580	7	636725	7133062	SL	QZT	SYE				BLE		HFD				TOU	0.1	VEN
VR80493	30	1785	-2	6	-10	A9823580	7	636662	7133035	SL														
VR80517	10	14	-2	-2	-10	A9821852	7	632439	7133031	SL	CHT				BK									
VR80518	55	604	2	10	-10	A9821852	7	632388	7133163	SL	GWK	SIL			GY							QTZ	15	STK
VR80519	5	22	-2	-2	-10	A9821852	7	632232	7133234	SL	SLT				BF									

Sample No.	Rock Min2	Min2 Pct	Min2 Occur	Rock Min3	Min3 Pct	Min3 Occur	Struct Type1	Struct1 Strike	Struct1 Dip	Struct1 Dip Az	Struct Type2	Struct2 Strike	NOTES
VR80376													
VR80377													WT QZT cross cut by QTZ VEN with LIM and BIO?; rare intrusive, DIO with PYT, FEL HOR POR.
VR80378													minor QTZ VEN in QZT.
VR80379													massive QZT FL
VR80380													
VR80381													QZT-grit outcrop - FL minor QTZ VEN with LIM
VR80382													
VR80383													
VR80384													soil card not filled out.
VR80385													QZT cross cut by QTZ VEN.
VR80386													poor sample
VR80476													Im recessive zone with OR WEA soil; HFD SLT outcrop - BED 173/28; recessive zone is FLT? 070/?? is interesting; SLT is boring.
VR80477													small saddle in GY SHL; BED 058/32.
VR80478													GOU - east end; LIM - rusty WEA BLE SHL; bedding is approx. horizontal +-10 degrees.
VR80479													GOU ridge - approx. west end of strongest part of GOU; composite soil over 40m.
VR80480							JOI	196	60		BED	036	
VR80481							BED	172	20				end of QZT - in CHT, SHL; BRX CHT CDY QTZ, tr DIS PYY.
VR80482													
VR80483													Mixed FL of HOR-BIO-FEL phyric POR; QL-QD GN; weak CHL altered, minor QTZ VEN with tr PYY; extensive BLE of CHT, SLT and rarer QZT-grit.
VR80484													QTZ-LIM FRA and VEN DIO; start of grit outcrop on ridge.
VR80485													*mixed intrusive and MTS FL.*
VR80486													Ash? Located just above moraine.
VR80487													approx. 25m from north showing AJ vein in hanging wall; below C.S. #VR80087; talus fines below outcrop.
VR80488													sample taken near VR80088.
VR80489	QTZ		VEN				JOI	080	90				UTM on card: 637552E, 7132081N; talus fines in gully; QTZ TOU VEN FL in area.
VR80490	QTZ	1	VEN										similar to VR80489 soil description not filled out.
VR80491	QTZ		VEN										in major gully.
VR80492													*talus fines head of talus fan.*
VR80493													last gully before QTZ MNZ going towards the NW.
VR80517													good QD BN B mixed with some organic matter.
VR80518	SFD	1	DIS										Talus fines from STK fine grained QZT; BN, rusty WEA; trace cubic, dull GY SFD within milky WT STK; located above "Rainbow Vein"; rock type is possibly QTZ replaced GWK; no grit unit.
VR80519													roots mixed with moist B/C soil above platy TA to BF SLT.

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Sample No.	Au ppb	As ppm	Bi ppm	Sb ppm	W ppm	Chemex Cert.No.	UTM Zone	UTM East	UTM North	Sample Type	Rock Type	Rock Mod1	Rock Mod2	Rock Mod3	Rock Color	Rock Alt'n1	Alt'n1 Intense	Rock Alt'n2	Alt'n2 Intense	Rock Alt'n3	Alt'n3 Intense	Rock Min1	Min1 Pct	Min1 Occur
VR80520	100	196	2	4	-10	A9821852	7	632140	7133406	SL	SLT	LAM			GY									
VR80521	10	122	-2	2	-10	A9821852	7	632027	7133470	SL	GWK	HFD				HFD	S					PYY	2	DIS
VR80522	5	10	-2	-2	-10	A9821852	7	631779	7133706	SL	SHL	BLL	BME		BK							QTZ	10	STK
VR80523	20	256	-2	6	-10	A9821852	7	631745	7133799	SL	GWK				YW	SLC	S	FOX	S			ARS	1	DIS
VR80524	10	22	-2	-2	-10	A9821852	7	631641	7133886	SL	ARG				BK	FOX	S	HFD	W					
VR80525	15	64	4	2	-10	A9821852	7	631456	7133892	SL	ARG				BK									
VR80526	15	16	2	-2	-10	A9821852	7	631197	7133902	SL	ARG				BK									
VR80527	-5	28	-2	2	-10	A9821852	7	631014	7133847	SL	SHL				BK									
VR80528	-5	12	-2	-2	-10	A9821852	7	630879	7133803	SL	SLT				GN									
VR80529	10	8	-2	6	-10	A9821852	7	630725	7133687	SL	QTZ				WT									
VR80530	10	8	-2	6	-10	A9821852	7	630626	7133727	SL	SLT				GN									
VR80531	15	10	-2	4	-10	A9821852	7	630447	7133782	SL					YW	LIM	S							
VR80532	-5	40	-2	14	-10	A9821852	7	630314	7133769	SL					YW	CLA	S							
VR80533	-5	32	2	12	-10	A9821852	7	630150	7133795	SL	SLT											LIM	25	
VR80534	130	148	6	36	-10	A9821852	7	629951	7133802	SL					BN	lim	M							
VR80535	100	5500	-2	46	-10	A9821853	7	636938	7132600	SL	MNZ	HOR												
VR80536	5	124	-2	2	-10	A9821853	7	637092	7132807	SL	SLT	HFD			PP									
VR80537	15	170	-2	-2	-10	A9821853	7	637191	7132947	SL	QZT				WT									
VR80538	-5	34	-2	-2	-10	A9821853	7	637244	7133146	SL	QZT				WT									
VR80539	10	20	-2	-2	-10	A9821853	7	637203	7133240	SL	QZT				WT									
VR80540	80	272	-2	2	-10	A9821853	7	637184	7133356	SL	QZT	TOU			WT									
VR80541	5	16	-2	-2	-10	A9821853	7	637148	7133490	SL	SLT				GY									
VR80542	-5	20	-2	2	-10	A9821853	7	637277	7133597	SL	BAS	POY			BN									
VR80543	-5	12	-2	-2	-10	A9821853	7	637444	7133685	SL	QZT	VEN			BF	CAR	W	SLC	S			QTZ	35	STK
VR80544	-5	12	-2	-2	-10	A9821853	7	637588	7133886	SL	SLT				GY									
VR80545	-5	12	-2	-2	-10	A9821853	7	637639	7134029	SL	QZT				BN									
VR80546	-5	12	-2	-2	-10	A9821853	7	637724	7134259	SL	QZT				GY									
VR80547	-5	10	-2	-2	-10	A9821853	7	637828	7134418	SL	QZT				BF									
VR80548	-5	8	-2	-2	-10	A9821853	7	637999	7134547	SL	BAS				BN									
VR80549	-5	10	-2	2	-10	A9821853	7	637999	7134547	SL														

Sample No.	Rock Min2	Min2 Pct	Min2 Occur	Rock Min3	Min3 Pct	Min3 Occur	Struct Type1	Struct1 Strike	Struct1 Dip	Struct1 Dip Az	Struct Type2	Struct2 Strike	NOTES
VR80520													soil and fines with moss roots overtop GY, thinly LAM SLT.
VR80521													top of ridge; HFD, hard, PP, SFD QTZ rich clastic; was a GWK - grit.
VR80522							BED	324	18	S			good B horizon on east side of 6120' knob; QTZ STK/VEN SHL; most veinlets parallel bedding.
VR80523	PYT	tr	DIS										ARS occurs as specks to 2mm needles; talus fines around SLC, SFD GWK (grit); also have QTZ rich, SFD intrusive, fine grained with BIO (<5%); grid pickets and claim posts suggest this area has had detailed mapping and sampling; no rock samples taken.
VR80524													good B atop ridge spine; left samples for pickup; rock types are ARG and GY QZT.
VR80525													good B mix with colluvium and roots; BK ARG.
VR80526													good B
VR80527													colluvium, platy, fissile SHL; WT QTZ knobs/FL scattered about talus.
VR80528													rocky colluvium of LAM QD GN SLT.
VR80529													
VR80530													OR-RD like Australian or lateritic soil; fissile pale GN SHL amidst blocky grit; the grit is STK by WT milky QTZ cm scale veinlets.
VR80531													B-C mix; more B than C; pervasive LIM/CLA altered matrix; CHE/WT QTZ fragments/clasts; grit unit; some QTZ STK around.
VR80532							STK			S			talus fines; CLA altered, weak LIM grit unit.
VR80533	CAL	5	VEN										QD BN SLT with strong alteration (LIM) in patches.
VR80534													LIM WEA? Of matrix; grit unit
VR80535													good B development
VR80536													rocky colluvium
VR80537													good B horizon
VR80538							STK			W			Milky WT cm scale QTZ veinlet in rock from sample site; good B
VR80539													Same location as rock sample VR80653; no TOU within rocks in soil pit; good B.
VR80540													Good clayey B attached to moss roots; TOU microFLT QZT (fine grained grit).
VR80541													Good B on SW side of 5800' knob; Energold has skarn mapped somewhere on NE side of this ridge.
VR80542													Near volcanic/SHL contact; good B soil; QZT/coarse SLT, QL BN, in soil pit.
VR80543							STK			S			QTZ occur within STK and massive VEN; fair B soil; hand sample taken; milky WT VEN forms STK VEN BRX and massive QTZ; no mineralization seen; took soil instead of chip.
VR80544													good B; STK QL BN grit.
VR80545													good B; BN/GY QZT with minor milky WT STK.
VR80546							STK			W			excellent B horizon; GY, crystalline, QZT; some pieces cut by milky WT STK.
VR80547													good B horizon; minor roots; BF /QL BN grit with milky WT veinlets <1cm scale.
VR80548													good C; strongly WEA volcanic seen as DIK around high knob (VR80542); only 10m east of rock sample VR80854.
VR80549													Duplicate of VR80548; entered into database using VR80548 UTMs

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Sample No.	Au ppb	As ppm	Bi ppm	Sb ppm	W ppm	Chemex Cert.No.	UTM Zone	UTM East	UTM North	Sample Type	Rock Type	Rock Mod1	Rock Mod2	Rock Mod3	Rock Color	Rock Alt'n1	Alt'n1 Intense	Rock Alt'n2	Alt'n2 Intense	Rock Alt'n3	Alt'n3 Intense	Rock Min1	Min1 Pct	Min1 Occur
VR80650	-5	8	-2	2	-10	A9821853	7	638151	7134883	SL	QZT				GY									
VR80672	15	80	-2	2	-10	A9821853	7	632393	7132918	SL														
VR80673	-5	24	-2	-2	-10	A9821853	7	632215	7132750	SL	QZT													
VR80674	-5	18	-2	2	-10	A9821853	7	632073	7132710	SL	QZT													
VR80675	15	18	-2	6	-10	A9821853	7	631888	7132600	SL														
VR80676	15	90	2	8	-10	A9821853	7	631681	7132532	SL														
VR80677	-5	10	-2	-2	-10	A9821853	7	631504	7132410	SL														
VR80678	-5	12	-2	-2	-10	A9821853	7	631264	7132398	SL														
VR80679	-5	10	-2	2	-10	A9821853	7	631050	7132320	SL														
VR80680	-5	12	-2	2	-10	A9821853	7	630858	7132453	SL														
VR80681	-5	12	-2	-2	-10	A9821853	7	630659	7132485	SL														
VR80682	-5	20	-2	2	-10	A9821853	7	638195	7134742	SL	VEN	CAL			WT	QCA	S							
VR80683	-5	4	-2	-2	-10	A9821853	7	638323	7134853	SL	QZT				GY									
VR80684	-5	6	-2	2	-10	A9821853	7	638523	7134903	SL	QZT				GY									
VR80685	-5	10	-2	2	-10	A9821853	7	638692	7134913	SL	QZT				BF									
VR80686	-5	8	-2	-2	-10	A9821853	7	638921	7134984	SL	QZT				GY									
VR80687	-5	12	-2	-2	-10	A9821853	7	639100	7135068	SL	QZT				GY	SLC	S							
VR80688	-5	10	-2	2	-10	A9821853	7	639289	7135147	SL	SLT				BF									
VR80801	20	186	-2	2	-10	A9821853	7	637786	7131360	SL														
VR80802	-5	56	-2	2	-10	A9821853	7	637938	7131464	SL														
VR80803	-5	88	-2	2	-10	A9821853	7	638107	7131569	SL	QZT	HFD												
VR80804	-5	804	2	46	-10	A9821853	7	638239	7131704	SL	QZT	SHL												
VR80805	-5	20	-2	-2	-10	A9821853	7	638317	7131879	SL														
VR80806	-5	50	2	34	-10	A9821853	7	638451	7131995	SL	CHT	SHL												
VR80807	-5	12	-2	8	-10	A9821853	7	638587	7132176	SL														
VR80808	170	78	16	154	-10	A9821853	7	638653	7132306	SL	DIK	FEL	POY											
VR80809	-5	10	-2	-2	-10	A9821853	7	638793	7132492	SL														
VR80810	-5	12	-2	-2	-10	A9821853	7	638994	7132524	SL														
VR80811	-5	12	-2	2	-10	A9821853	7	639217	7132562	SL	SHL				PP									
VR80812	5	12	-2	-2	-10	A9821853	7	639397	7132679	SL														
VR80813	-5	12	-2	2	-10	A9821853	7	639604	7132678	SL														
VR80814	-5	6	-2	-2	-10	A9821853	7	639805	7132668	SL	QZT	VEN												
VR80815	-5	20	-2	8	-10	A9821853	7	639948	7132812	SL	QZT													
VR80816	-5	10	-2	2	-10	A9821853	7	640022	7133016	SL	QZT	SHL												
VR80851	10	152	-2	8	-10	A9821883	7	632213	7133323	RG	GWK	FOX	BXV	CLY	BN	FOX	S	QCL	S	QTZ	M			

Sample No.	Rock Min2	Min2 Pct	Min2 Occur	Rock Min3	Min3 Pct	Min3 Occur	Struct Type1	Struct1 Strike	Struct1 Dip	Struct1 Dip Az	Struct Type2	Struct2 Strike	NOTES
VR80550													good B horizon; granular grit; QD GY coloured; STK present nearby; left samples at site.
VR80672													LIM altered; QE to QD GY CHT
VR80673													
VR80674													meta QZT
VR80675													sample taken right at contact of QZT with DIO (?) DIK
VR80676													may be diluted with loess but can not dig deeper.
VR80677													loessy
VR80678													meta GWK
VR80679													maroon SHL; QTZ fissure VEN.
VR80680													QZT / SHL contact
VR80681													QZT with STK
VR80682													sample taken atop a QCA pervasively VEN outcrop; CAL VEN is about 20cm wide with a 070 degrees trend and moderate south dip; intense QTZ-CAR alteration along this ridge.
VR80683													fair B; possible loess mixed in?; GY QZT host rock; very minor STK.
VR80684													good B horizon overtop coarse GY grit; no VEN noted in adjacent area,
VR80685													good B; STK grit (milky WT, opalesque as usual).
VR80686													good B; minor STK
VR80687													pervasive QTZ flooding of STK grit; has sucrosic texture when broken.
VR80688													good B horizon; fine grained SLT, GN-BF colour (Narchilla).
VR80801													contact with Tombstone BIO rich k-spar GNT and Highland Group MTS.
VR80802													in gully - of HFD zone; light colour soil
VR80803													no depth given; poor sample; QZT-HFD units
VR80804													interbedded QZT and SHL metamorphosed; open folds - 1m; fold axis 060 .
VR80805													poor sample
VR80806													soil in interbedded CHT and SHL
VR80807													
VR80808													FEL-POR DIK in FL; Energold sample 1654; 30m drop ridge.
VR80809													
VR80810													no rock chips; poor sample
VR80811													rock chips of maroon SHL.
VR80812													poor sample; less ash.
VR80813													poor sample
VR80814													ash (volcanic) within soil; VEN QZT.
VR80815													QZT FL with veinlets; 200m of QZT from VR80814.
VR80816													SHL/QZT FL
VR80851													

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Sample No.	Au ppb	As ppm	Bi ppm	Sb ppm	W ppm	Chemex Cert.No.	UTM Zone	UTM East	UTM North	Sample Type	Rock Type	Rock Mod1	Rock Mod2	Rock Mod3	Rock Color	Rock Alt'n1	Alt'n1 Intense	Rock Alt'n2	Alt'n2 Intense	Rock Alt'n3	Alt'n3 Intense	Rock Min1	Min1 Pct	Min1 Occur
VR80852	10	20	-2	-2	-10	A9821883	7	632212	7133223	RG	VEN	REC			GY							QTZ	100	MAS
VR80853	10	24	-2	-2	-10	A9821883	7	637203	7133240	RC	QZT				WT							TOU	2	VEN
VR80854	10	2	-2	-2	-10	A9821883	7	637991	7134547	RG	QZT	SIL	VEN		WT	SLC	S	FOX	W					
VR80855	10	2	-2	-2	-10	A9821883	7	638161	7134685	RC	VEN	QTZ			WT	QCA	S					QTZ	90	MAS
VR80870	20	404	-2	6	-10	A9823565	7	630757	7133697	RC	VEN	QTZ	CAL		WT	QCA	S	SLC	M			QTZ	85	VEN
VR80871	115	5840	-2	10	-10	A9823565	7	630771	7133758	RG	VEN					FOX	S	SEC	W					
VR80872	-5	54	-2	-2	-10	A9823565	7	630865	7133867	RG	DIA				GY	BLE	W					PYT	2	DIS
VR80873	-5	132	-2	8	-10	A9823565	7	630663	7134008	RC	QZT				TA	FOX	S	MNX	S					
VR80874	-5	8	-2	-2	-10	A9823565	7	630560	7133970	RC	AND	HOR	POY		GY	FOX	S					PYT	2	DIS
VR80875	-5	1240	-2	116	-10	A9823565	7	632179	7132719	RC	BXX				OR	FOX	S	LIM						
VR80876	-5	682	-2	306	-10	A9823565	7	632129	7132707	RG	CNG	QZT				FOX	S							
VR80877	-5	30	2	6	-10	A9823565	7	632004	7132481	RG	QZT				GY	FOX	M					QTZ	30	STK
VR80878	-5	20	-2	8	-10	A9823565	7	632034	7132409	RC	QZT	STK			GY							QTZ	30	STK
VR80879	-5	66	-2	6	-10	A9823565	7	631860	7132160	RK														
VR80894	-5	10	-2	-2	-10	A9826869	7	630001	7133729	RG	QZT				GY									
VR80895	5	10	-2	2	-10	A9826869	7	630000	7133729	RC	VEN				WT									

Sample No.	Rock Mln2	Min2 Pct	Min2 Occur	Rock Min3	Min3 Pct	Min3 Occur	Struct Type1	Struct1 Strike	Struct1 Dip	Struct1 Dip Az	Struct Type2	Struct2 Strike	NOTES
VR80852													Sample taken 1 - 6 m west of VR80851. Bluish GY MAS QTZ, easily fractured into sharp blocky pieces; sucrosic texture.
VR80853	CAS	tr	DIS										TOU occurs as foliaform and cross cutting; CAS occurs as black specks, weird crystal shape. Sample taken from felsenmeer. Hairline TOU veinlets (fracture fillings within WT, cryptocrystalline QZT). Trace DISS BK metallic specks. No Fe-oxide so may be TOU,
VR80854							VEN			S			Carbonate within vugs; vuggy VEN breccia to intensely stockworked QZT boulder? Perched atop weaker stockworked buff coloured grit/QZT.
VR80855	ANK	10	REP										Sample taken over 0.5m. Vuggy, hummocky, massive WT QTZ VEN with off WT calcareous breccia clasts; these weather out and give a pitted appearance to the out crop. Occurs within stockwork grit unit.
VR80870	CAL	15	VEN	EPI	<1	VEN	BXY						QTZ is VUG and BRX; CAL is vug filling; EPI is crystalline, selvege, occurs around VUG at margins. BRX GN SLC slate along VEN margins. Carbonate in VUG and forming smaller VEN with QTZ. Mn-Fe-oxide staining along FRA surfaces. Sample taken over 40cm. Late
VR80871							BED	100	53	S	FRA	078	YW-BN stained VUG QTZ VEN with pervasive Fe staining from FRA within Grit unit. Grab or larger talus blocks at base at grit outcrop. Outcrop has two JOI sets; (BED) 100/53 well developed. VEN fills both sets but is more prominent in the 078 FRA. BED and
VR80872	PYY	1	DIS										PYT is interstitial; PYY occurs as blebs. BN weathering, GY fresh, medium grained plagioclase rich, 100% AMP. 3% sulphide (PYT, PYY). Weak sausiterization of groundmass.
VR80873							BED	310	14	M			BN weathering, BN-TA altered, pervasive Fe/Mn OXI of matrix. FRA across beds, undulating bedding, VUG VEN gash fillings. Intense grunging of rock.
VR80874	PYY	1	DIS				FRA	170	70	S			PYT is interstitial; PYY occurs as blebs. Pervassive Fe-OXI from FRA. HBL-POY mafic DIK with sulphides. Out crop magnetic so FRA measurements were taken from afar.
VR80875							VEN			W			Station 98-031. Two small subcrops of OR-BN LIM matrix supported BRX. Clasts of clear, BN stained, mm-scale QTZ fragments and cm-scale fragments of GY, clean QTZ grains in a BN matrix (grit).
VR80876													Grab of LIM matrix supported QZT pebble CNG. Lots of FL around area. Pebble DIK? From FRA or faulting sedimentary CNG? Clasts are sub-rounded to sub-angular.
VR80877													QTZ is pervasive and milky WT. Rusty coated fine grained sandstone. Pale GN to beige matrix, well sorted. Pervasive FRA with YW-BN OXI coating. Thick LIM clay coating associated with rusty stained VUG QTZ VEN. Pervasive, milky WT QTZ, mm scale stockwork.
VR80878													Pervasive milky WT, mm scale STK QTZ within grit unit. Rusty BN coated FRA.
VR80879													
VR80894							STK			S			Fine grained, dark BN to GY grit cut by VUG, QTZ STK and CAL pods; in out crop upslope from sampled boulder.
VR80895							STK			S			40cm of pervasive, VUG, STK, VEN within a SLC fine grained grit. Trend of zone approx. 050/vertical.

KENNECOTT CANADA EXPLORATION INC.

ANTIMONY MOUNTAIN PROPERTY - 1998 SAMPLE DESCRIPTIONS

Sample No.	Au ppb	As ppm	Bi ppm	Sb ppm	W ppm	Chemex Cert.No.	UTM Zone	UTM East	UTM North	Sample Type	Rock Type	Rock Mod1	Rock Mod2	Rock Mod3	Rock Color	Rock Alt'n1	Alt'n1 Intense	Rock Alt'n2	Alt'n2 Intense	Rock Alt'n3	Alt'n3 Intense	Rock Min1	Min1 Pct	Min1 Occur
VR80896	5	10	-2	-2	-10	A9826869	7	629714	7133953	RG	QZT				WT	FOX	S							
VR80897	30	108	-2	-2	-10	A9826869	7	637114	7132796	RG	QZT				WT	FOX	M					TOU	2	STK
VR80898	-5	16	-2	-2	-10	A9826869	7	637028	7132872	RC	QZT				BK	FOX	S							
VR80899	15020	10000	74	390	40	A9826869	7	637115	7132950	FL	VEN	ARS	QTZ	TOU	GN	SCO	W					ARS	70	MAS
VR80900	130	334	-2	2	-10	A9826869	7	637161	7132967	RC	VEN	BRX	TOU		WT							TOU	50	MAS
VR80910	-5	6	-2	-2	-10	A9823565	7	630701	7133725	RG	QZT				GY	PYY	T					ARS	<1	
VR80911	-5	4	-2	2	-10	A9823565	7	630551	7133735	RG	QZT				TA							PYY	1	
VR80912	-5	140	-2	-2	-10	A9823565	7	632313	7132717	FL	QZT				WT	WEA	M					TOU	1	
VR80913	-5	26	-2	2	-10	A9823565	7	632299	7132686	FL	SKR				GN	WEA	M					CAL	10	
VR80914	-5	40	-2	14	-10	A9823565	7	632340	7132523	RG	GNT				GY	WEA	S					BIO	2	
VR80915	-5	356	-2	10	-10	A9823565	7	632331	7132578	RG	BXX	QZT	LIM		RD									
VR80918	-5	42	-2	-2	-10	A9829266	7	636510	7133406	RC	MTS				GY									
VR80919	-5	136	-2	-2	-10	A9829266	7	636348	7133544	RC	DIK	INT			GY	BIO	M	CHL	M					
VR80920	-5	88	-2	2	-10	A9829266	7	636366	7133532	RC	QZT				GY							TOU		
VR80921	155	1175	-2	-2	-10	A9829266	7	636196	7133259	RC						WEA	M					PYT		
VR80922	-5	26	-2	6	-10	A9829266	7	639908	7132049	FL	POR	CNT	SER		GN	SER	M	CNT	M					
VR80923	10	10	-2	-2	-10	A9821883	7	632028	7132697	FL												QTZ	90	
VR80924	10	-2	-2	-2	-10	A9821883	7	631060	7132377	FL	SHL				GY							QTZ		
VR80925	10	-2	-2	-2	-10	A9821883	7	630561	7132535	FL	QZT	QTZ	VUG	VEN										
VR80951	90	8260	4	72	-10	A9821883	7	638267	7131729	RG	BXX	QTZ	TOU	CHT	GY	TOU	M	LIM	M	HEM	M	TOU	70	
VR80952	10	32	-2	-2	-10	A9821883	7	639833	7132678	FL	QZT				BF	BLE		HEM		LIM		HEM		
VR80967	-5	-2	-2	-2	-10	A9823565	7	630751	7133595	RK	QZT	VEN	QTZ			OXI								
VR80968	-5	30	-2	38	-10	A9823565	7	630417	7133461	RK	QZT	VEN	QTZ		BF	OXI								

Sample No.	Rock Min2	Min2 Pct	Min2 Occur	Rock Min3	Min3 Pct	Min3 Occur	Struct Type1	Struct1 Strike	Struct1 Dip	Struct1 Dip Az	Struct Type2	Struct2 Strike	NOTES
VR80896													Very OXI boulder? Measuring 2m x 1m buried in ground; FRA; FRA coated with YW to BN to PP stains; was originally STK before WEA. Took representative sample - not high graded.
VR80897													Hairline TOU occurs as STK veinlets within WT sugary, fine grained QZT. Same location as soil VR57626.
VR80898							FRA	180	58	M			Sample taken over 20cm on the west edge of Toby Gulch.
VR80899													Abundant FL specimens associated with TOU BRX.
VR80900							VEN	256	74				Sample taken over 1m within a TA, WEA, MAS, QZT.
VR80910	PYY	<1					VEN	045	80	W			DIS sulphide in QZT; QTZ VEN.
VR80911							VEN	290	80	W	VEN	270	DIS sulphides in grit unit and VUG QTZ VEN.
VR80912	QTZ	90		PLU	tr		VEN						FL of milky WT QZT VEN with TOU in VUG and some PLU on surfaces.
VR80913													A bit of FL of SKR looking rock. CLC crystals up to 0.5cm; GNT and BF fibrous AMP; WEA; no out crop; some DIS sulphides (PYY + non-magnetized mineral). Spec TM 98-84.
VR80914													Some type of intrusive found within HFD QZT out crop; too altered to tell anymore; near old flagging. See TM 98-96 and spec.
VR80915													Along this knob there is a moderate amount of this BXX (QZT, angular clasts with mainly a LIM matrix).
VR80918													Sample taken over 2m in stream. HFD, sulphides, GY, SLT, possibly BXD.
VR80919							VEN	244	76	M			Sample taken from out crop. Hand sample also taken. The VEN is TOU (looks like TOU coat on FRA). 15m wide out crop of DIK see TM 125.
VR80920							FRA						Sample taken over 1m. Hand sample taken of FRA, TOU QZT.
VR80921	LIM						JOI	060	55	S	JOI	060	JOI on intrusive outcrop. Strong LIM along JOI (strong JOI 2 - 10cm). See TM 130-132. Intrusive contains PYT.
VR80922													Sample taken in creek at VR22221. 5% of boulders in creek are carbonitized POR.
VR80923													
VR80924	CHL			ARS			VEN						See TM notes.
VR80925													See TM notes.
VR80951	QTZ	20		LIM	10								TOU, QTZ, and LIM ocurs as boxwork in matrix. QTZ-TOU BXX with CHT angular clast; LIM and HEM from OXI PYY? Approx. trend NW/SE; taken from 40m from soil sample VR80804; coxcomb QTZ crystals; contact units blunt-like (contact meta).
VR80952	LIM						STK						
VR80967													QTZ VEN with OXI selvages and within VEN; QTZ VEN in QZT/grit unit.
VR80968													In situ OXI VEN; VUG textures; no mineralization visible with the naked eye.

APPENDIX I

PHOTOGRAPHS

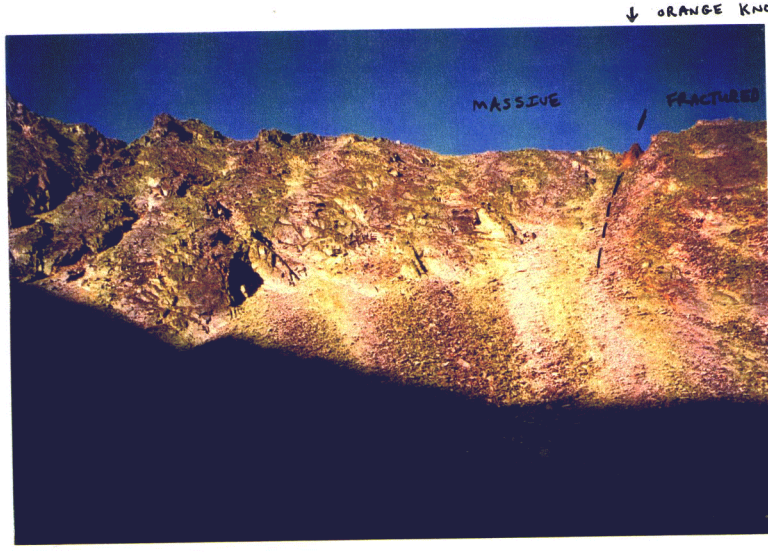


Looking approximately northwest at ridge west of upper Jan Creek. Ridge and talus composed of various granites and andesite porphyries (andesite located in green grassy area and limonite weathering area. Sawtooth ridge cut by recessive east-west structures.

BEST ATTAINABLE
IMAGE

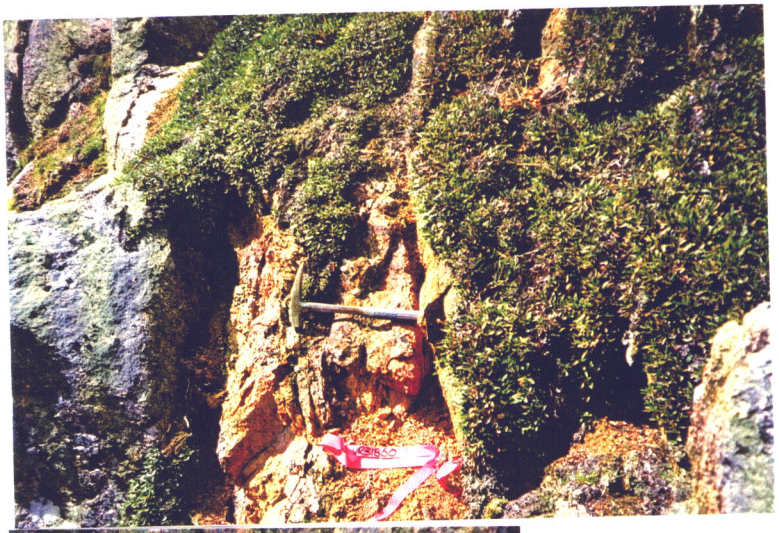


Recessive E-W fault-fracture zone with weak veining, upper Jan Creek area. Rock samples (L-R) VR31856 – 31858. VR31856 – 1740ppb Au, 180ppm As; VR31857- 475ppb Au, 1830ppm As; VR31858 – 45ppm Au, 42ppm As.



Upper Jan Creek near head of valley, west side showing massive granite on left side of picture and on right side lighter colored (more leucocratic) fractured granite.

BEST ATTAINABLE IMAGE



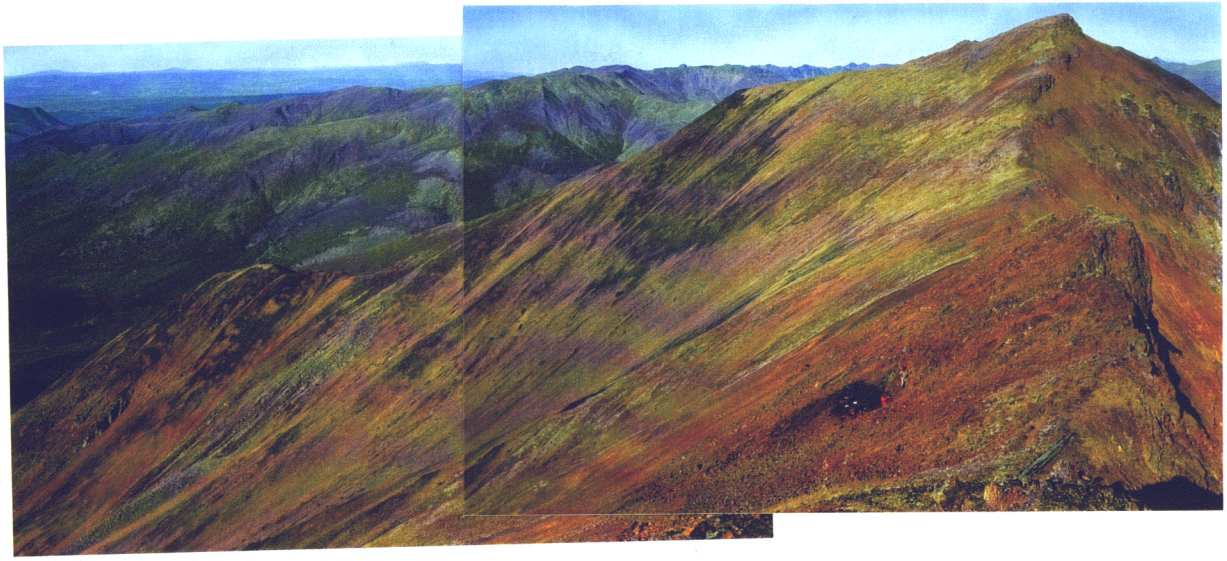


Top
Upper Jan Creek area,
west side of valley, 1.0m
rock chip sample VR31860
140ppb Au, 534ppm As.

Left
Tourmaline veinlet with
potassic altered
selvege zone.
Near VR31860



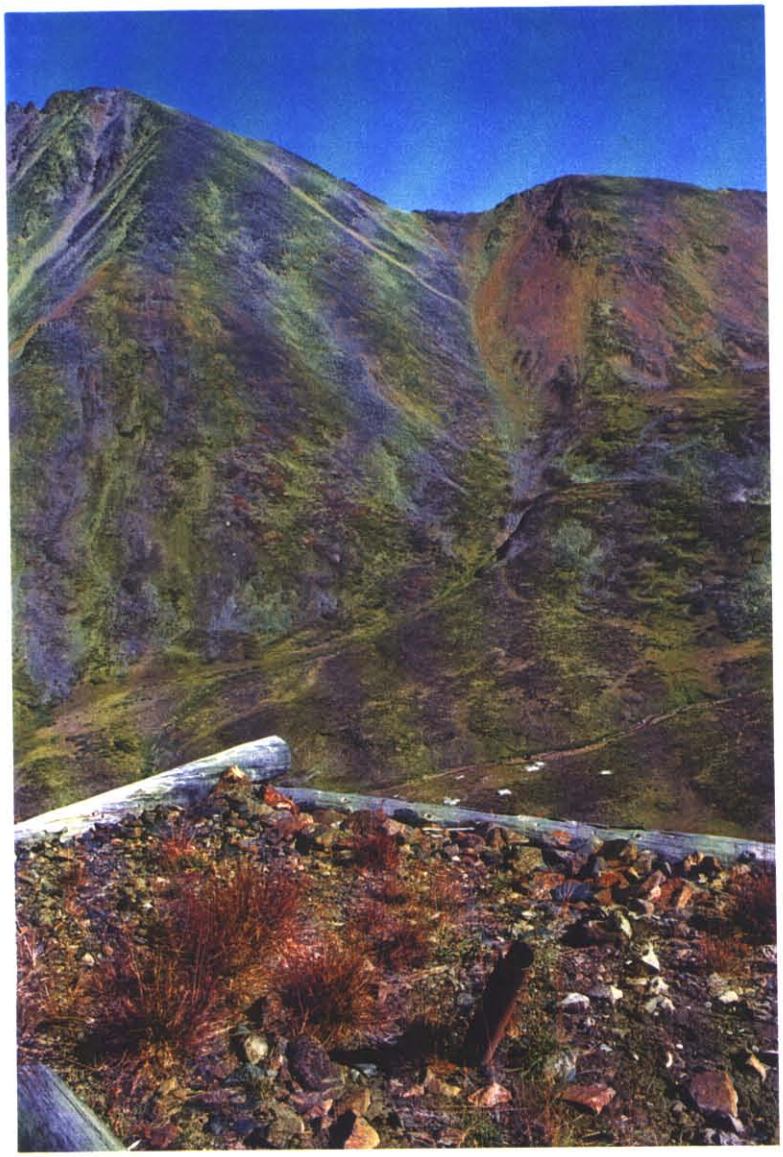
North Ridge. Looking approx. southwest from site of Anaconda campsite. Picture shows Recessive Zone, DDH 80A-1 and suspected thrust faults.



BEST ATTAINABLE IMAGE

North Ridge looking northwest from Rainbow Vein area. Pad in gossan is old trench or unused drill pad. DDH 80A-2 is just below and out of picture. Logs on ridge top are helipad and Rainbow Vein located to right of ridge top and parallel to it.

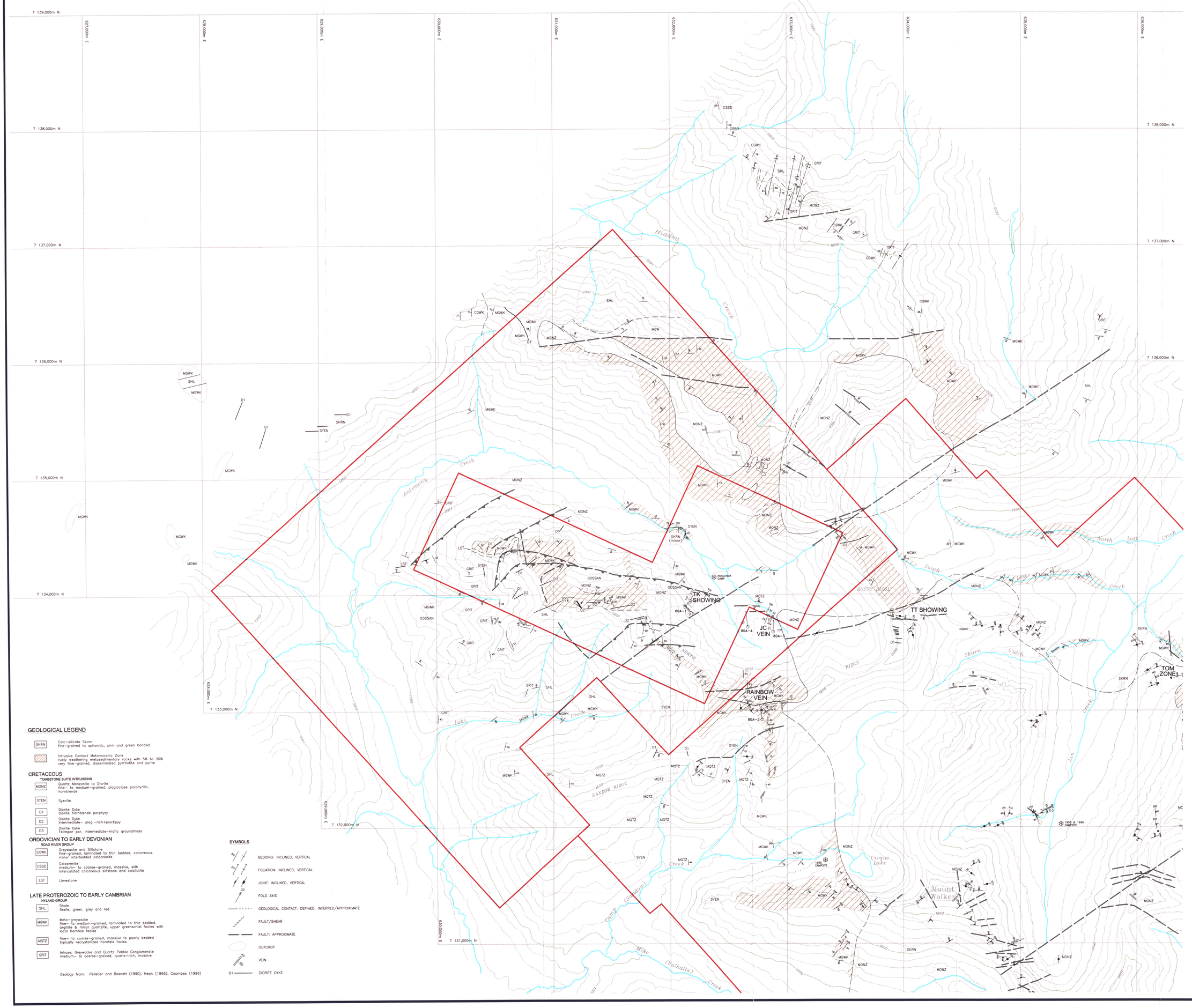




Top
North Ridge and drill pad DDH 80A-2 in foreground. Notch in ridge with limonite marks weakly mineralized approx. E-W fault zone. Grit unit to right of fault. Hornfelsed siltstones to left side of fault.

Left
DDH 80A-1 collar, Looking northeast, Anaconda camp in foreground, contact between rusty metasediments (Rusty Ridge) and gray granite.

BEST AVAILABLE IMAGE



GEOLOGICAL LEGEND

- SKRN — Calc–silicate Skarn: fine–grained to aphanitic, pink and green banded
- Intrusive Contact Metamorphic Zone: rusty weathering metasedimentary rocks with 5% to 30% very fine–grained, disseminated pyrrhotite and pyrite

CRETACEOUS

TOMBSTONE SUITE INTRUSIONS

- MONZ — Quartz Monzonite to Diorite: fine– to medium–grained, plagioclase porphyritic, hornblende
- SYEN — Syenite
- D1 — Diorite Dyke: Diorite hornblende porphyry
- D2 — Diorite Dyke: Intermediate– plag.–rich+poo±pyy
- D3 — Diorite Dyke: Feldspar por, intermediate–mafic groundmass

ORDOVICIAN TO EARLY DEVONIAN

ROAD RIVER GROUP

- CGWK — Greywacke and Siltstone: fine–grained, laminated to thin bedded, calcareous. minor interbedded calcarenite
- CSSD — Calcarenite: medium– to coarse–grained, massive, with intercalated calcareous siltstone and calcilutite
- LST — Limestone

LATE PROTEROZOIC TO EARLY CAMBRIAN

HYLAND GROUP

- SHL — Shale: fissile, green, grey and red
- MGWK — Meta–greywacke: fine– to medium–grained, laminated to thin bedded, argillite & minor quartzite, upper greenschist facies with local hornfels facies
- MQTZ — fine– to coarse–grained, massive to poorly bedded typically recrystallized hornfels facies
- GRIT — Arkose, Greywacke and Quartz Pebble Conglomerate: medium– to coarse–grained, quartz–rich, massive

Geology from: Pelletier and Basnett (1990), Heah (1995), Coombes (1996)

SYMBOLS

- BEDDING: INCLINED, VERTICAL
- FOLIATION: INCLINED, VERTICAL
- JOINT: INCLINED, VERTICAL
- FOLD AXIS
- GEOLOGICAL CONTACT: DEFINED, INFERRED/APPROXIMATE
- FAULT/SHEAR
- FAULT: APPROXIMATE
- OUTCROP
- VEIN
- D1 — DIORITE DYKE

True north is 2° 29' west of UTM grid north. The 1996 magnetic declination is 28° 57' decreasing 3.9' annually.

contour interval 40 metres

0 500 metres

093 016

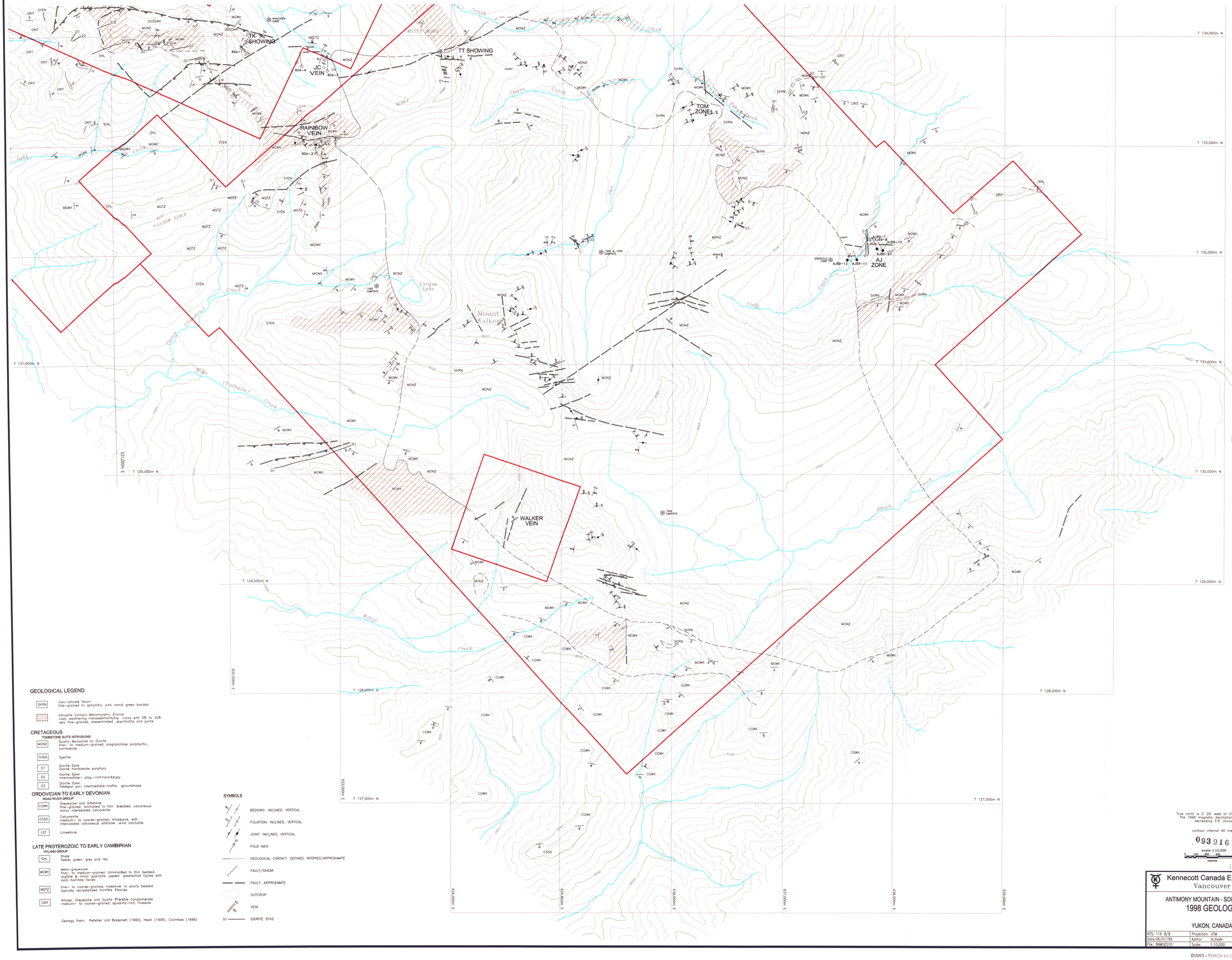
Kennecott Canada Exploration Inc.
Vancouver

ANTIMONY MOUNTAIN - NORTH SHEET
1998 GEOLOGY

YUKON, CANADA

NTS: 116 B/8	Projection: UTM	Drawn by: MD,HO,AL,GDS
Date:06/01/99	Author: SC,FA,RH	Figure 5
File: 8AMGEO10	Scale: 1:10,000	

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GEOLOGICAL LEGEND

- SKRN — Calc-silicate Skarn: fine-grained to aphanitic, pink and green banded
- Intrusive Contact Metamorphic Zone: rusty weathering metasedimentary rocks with 5% to 30% very fine-grained, disseminated pyrrhotite and pyrite

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- SYEN — Syenite
- D1 — Diorite Dyke: Diorite hornblende porphyry
- D2 — Diorite Dyke: Intermediate- plag.-rich+pooIpyy
- D3 — Diorite Dyke: Feldspar por, intermediate-matic groundmass

ORDOVICIAN TO EARLY DEVONIAN

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- CSSD — Calcarenite: medium- to coarse-grained, massive, with intercalated calcareous siltstone and calcilutite
- LST — Limestone

LATE PROTEROZOIC TO EARLY CAMBRIAN

HYLAND GROUP

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Geology from: Pelletier and Basnett (1990), Heah (1995), Coombes (1996)

SYMBOLS

- BEDDING: INCLINED, VERTICAL
- FOLIATION: INCLINED, VERTICAL
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- FOLD AXIS
- GEOLOGICAL CONTACT: DEFINED, INFERRED/APPROXIMATE
- FAULT/SHEAR
- FAULT: APPROXIMATE
- OUTCROP
- VEIN
- D1 —— DIORITE DYKE

True north is 2° 29' west of UTM grid north.
The 1996 magnetic declination is 28° 57' decreasing 3.9' annually.

contour interval 40 metres

093 916

scale: 1:10,000

0 100 200 300 500
metres

Kennecott Canada Exploration Inc.
Vancouver

ANTIMONY MOUNTAIN - SOUTH SHEET
1998 GEOLOGY

YUKON, CANADA

NTS: 116 B/8	Projection: UTM	Drawn by: MD,HD,AL,GDS
Date:06/01/99	Author: SC,FA,RH	Figure 6
File: BAMGE010	Scale: 1:10,000	

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OM

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BUZ

PM

AM

PM

OM

TIM'S

N

SSKCI_Zone7 by AU_MCF

100 to 4,010 (11)
60 to 100 (11)
30 to 60 (16)
10 to 30 (26)
-5 to 10 (41)

Ssed_Coded_Assays_Merged by Au

72 to 3,130 (263)
36 to 72 (266)
16 to 36 (818)
10 to 16 (1296)
5 to 10 (3772)
1 to 5 (4311)
1 to 3 (8324)
-1 to 1 (11049)

antimony_mountain_rocks_final by AU_PPB

1,000 to 7,780 (8)
300 to 1,000 (10)
100 to 300 (20)
0 to 100 (199)

antimony_mountain_soils by Au_ppb

390 to 1,160 (13)
245 to 390 (18)
90 to 245 (57)
40 to 90 (43)
15 to 40 (48)
-1,000 to 15 (193)

Yukon_Rocks by Au___ppb_

1,000 to 50,000 (21)
300 to 1,000 (17)
100 to 300 (25)
-100 to 100 (309)

Yukon_Stream_Seds by Au___ppb_

100 to 500 (12)
60 to 100 (14)
30 to 60 (30)
10 to 30 (72)
-5 to 10 (82)

Yukon_Soils by Au___ppb_

390 to 10,000 (6)
245 to 390 (11)
90 to 245 (37)
40 to 90 (91)
15 to 40 (195)
-10 to 15 (1205)

Legend

Intrusive outline

claim boundary

VR80110 sample number
"VR" prefix indicates 1998 sample

- stream sediment sample
- GSC-RGS sample
- soil sample
- rock sample

KENNECOTT CANADA EXPLORATION INC.
VANCOUVER 093 916

Antimony Mountain Property
GEOCHEMISTRY
SAMPLE NUMBERS
(North Sheet)
Yukon Territory, Canada

Author: RH, FA
Date: Nov. 16, 1998
NTS: 116B/8
Drawn by: RH, FA
File: Yukon_recon/ Antimony_Mtn
Figure: 7

Projection: NAD27

Scale: 1:10,000

0 100 200 300 500 1000
metres

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PM

AM

TIM'S

PM

AM

N

SSKCl_Zone7 by AU_MCF

100 to 4,010 (11)
60 to 100 (11)
30 to 60 (16)
10 to 30 (26)
-5 to 10 (41)

Ssed_Coded_Assays_Merged by Au

72 to 3,130 (263)
36 to 72 (266)
16 to 36 (818)
10 to 16 (1295)
5 to 10 (3772)
3 to 5 (4311)
1 to 3 (8324)
0 to 1 (11046)

antimony_mountain_rocks_final by AU_PPB

1,000 to 7,780 (8)
300 to 1,000 (10)
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antimony_mountain_soils by Au_ppb

390 to 1,160 (13)
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Yukon_Rocks by Au___ppb_

1,000 to 50,000 (21)
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Yukon_Stream_Seds by Au___ppb_

100 to 500 (12)
60 to 100 (14)
30 to 60 (30)
10 to 30 (72)
-5 to 10 (82)

Yukon_Soils by Au___ppb_

390 to 10,000 (6)
245 to 390 (11)
90 to 245 (37)
40 to 90 (91)
15 to 40 (195)
-10 to 15 (1205)

Legend

Intrusive outline

claim boundary

VR80110 sample number
"VR" prefix indicates 1998 sample

★ stream sediment sample
◆ GSC-RGS sample
● soil sample
▼ rock sample

KENNECOTT CANADA EXPLORATION INC.
VANCOUVER 093916

Antimony Mountain Property
GEOCHEMISTRY
SAMPLE NUMBERS
(South Sheet)
Yukon Territory, Canada

Author: RH, FA
Date: Nov. 16, 1998
NTS: 116B/8
Drawn by: RH, FA
File: Yukon_recon/ Antimony_Mtn
Projection: NAD27
Figure: 8

Scale: 1:10,000
0 100 200 300 500 1000
metres

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