COMPILATION REPORT

on the

DUKE CLAIM GROUP
Duke 1 - 9
310620 - 310628

N.T.S. 104B/08W

Latitude 56 20' Longitude 130 22'

SKEENA MINING DIVISION

By
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and
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June 1993

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SUMMARY AND RECOMMENDATIONS

The Duke property is located along the headwaters of the South Unuk River in northwestern British Columbia, 55 kilometers northwest of Stewart and 85 kilometers south of the Eskay Creek deposit.

The property consists of 9 claims covering 3550 hectares. It is underlain by a northwest trending succession of Stuhini Group Upper Triassic mafic to intermediate meta volcanic and sedimentary rocks and Lower Jurassic Hazelton Group mafic to felsic volcanic and sedimentary rocks. These two groups are separated by a major ductile shear zone, the South Unuk shear zone. The volcanic and sedimentary rocks are intruded locally by Jurassic orthoclase porphyry stocks and dykes and are bounded to the west by the Coast Plutonic Complex.

The Duke claims were staked to cover Jurassic stratigraphy which has the potential to host Eskay Creek type volcanogenic massive sulphide deposits. An initial helicopter supported stream sediment program was followed up with widely spaced reconnaissance traverses in an effort to locate anomalous mineralization and compare selected whole rock geochemistry with International Corona's Eskay Creek whole rock database.

The stream sediment survey included 85 sample sites where, whenever possible, silt/moss/concentrate samples were collected and sent to Bondar Clegg in Vancouver for analysis. Results identified three areas of anomalous results (greater than 98th percentile) in various elements. The regional traverses were focused on evaluating the streams sediment anomalies and were generally orientated across stratigraphy.

Mineralization discovered on the property consists of:

i) porphyry copper style mineralization
ii) shear and quartz veins
iii) disseminated sulphide occurrences

Porphyry mineralization was found locally within and adjacent to orthoclase porphyritic intrusives but grades are low and spotty. The shear and quartz vein occurrences returned precious metal values up to 0.32 oz/ton Au and 22.2 oz/ton Ag but are narrow, discontinuous, flat veins. The disseminated mineralization returned only weakly anomalous base metal values. No new mineral occurrences were discovered and all existing showings have no significant economic potential.

The work in 1992 covered the majority of the property with reconnaissance traverses, but failed to identify any new mineral occurrences or establish the location of the Mt. Dilworth-Salmon River contact. Due to early snow, five areas of interest were not covered and warrant reconnaissance work.

1.0 INTRODUCTION

Exploration on the Duke property (Figure 1) in 1992 consisted of stream sediment sampling all accessible drainages and eleven prospecting traverses, with priority placed on whole rock sampling of stratigraphic sections.
This work was done from International Corona's Eskay Creek exploration camp between June 25th and September 9th, 1992. Early snow and poor weather prevented a complete evaluation of the entire property, although the most important areas were covered.

2.0 PROPERTY DESCRIPTION

The property consists of 9 claims totalling 142 units covering 3550 hectares (Figure 2). The claims are 100% owned by Homestake Canada Ltd. Without the work in this report the claims are valid until June, 1993. The claims are located on Figure 2.

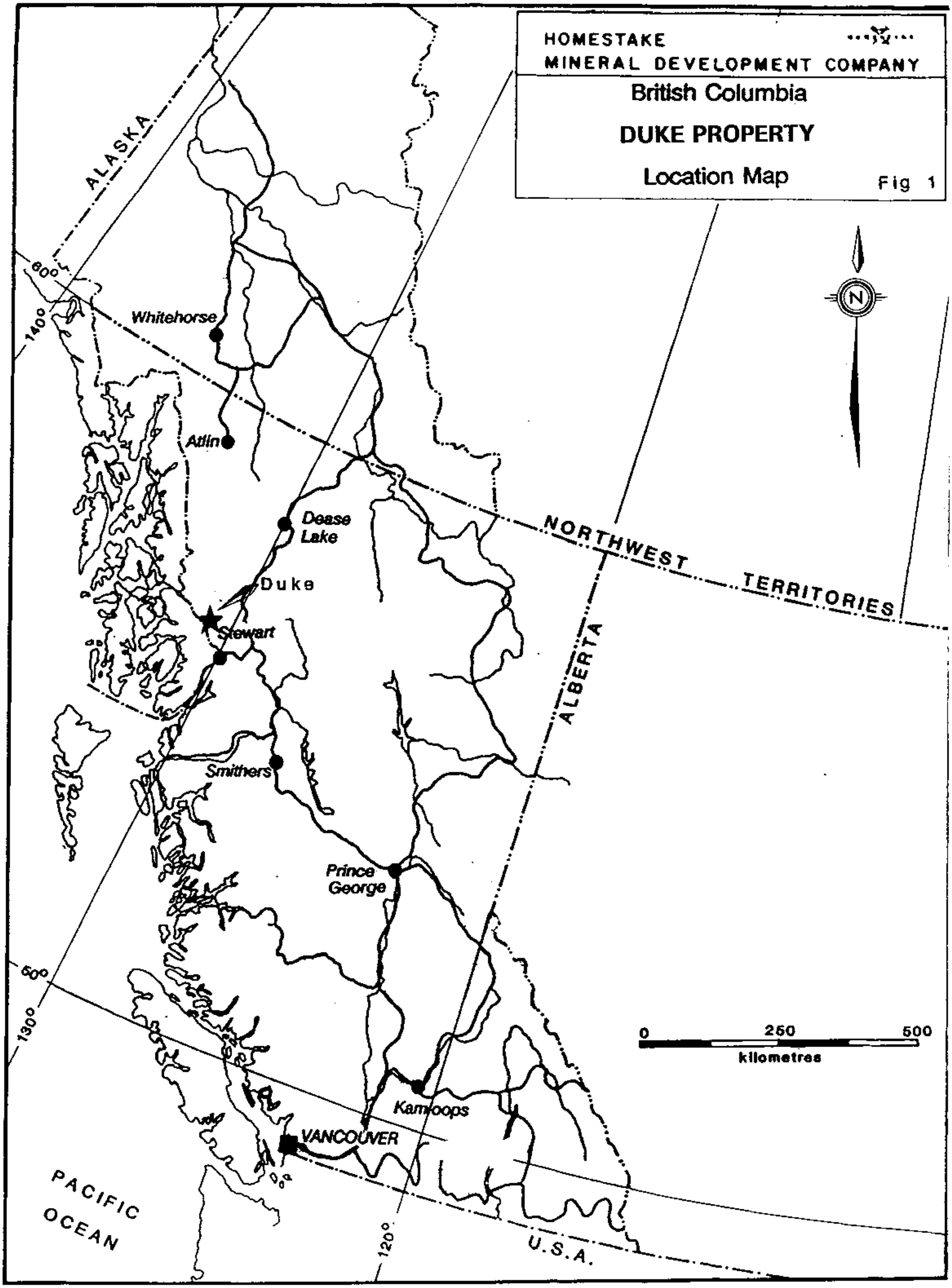
TABLE 1 MINERAL TITLE SUMMARY

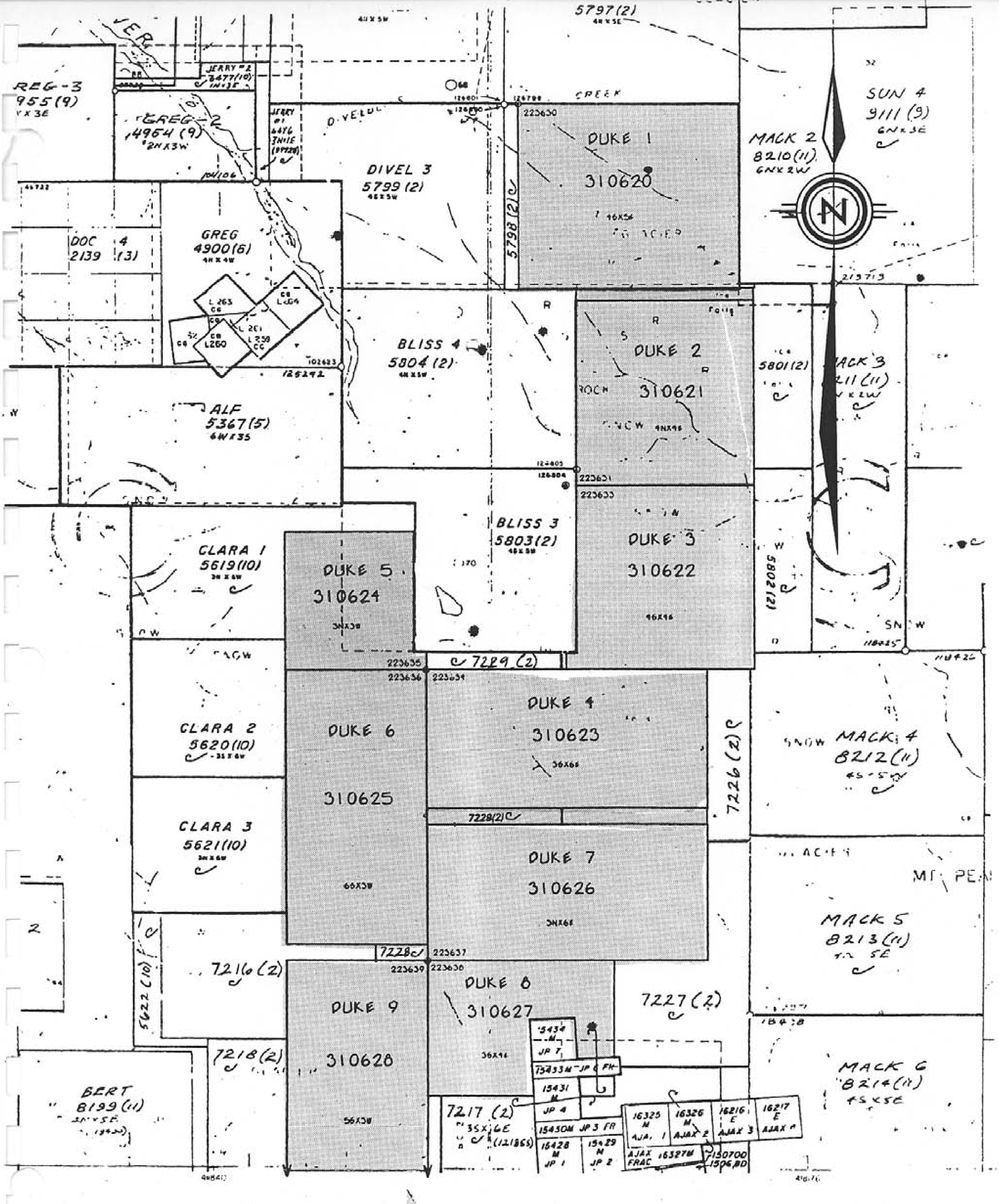
NAME	REC.#	UNITS	REC. DATE
DUKE 1	310620	20	June 25, 1992
2	310621	16	June 25, 1992
3	310622	16	June 25, 1992
4	310623	18	June 14, 1992
5	310624	9	June 14, 1992
6	310625	18	June 14, 1992
7	310626	18	June 14, 1992
8	310627	12	June 14, 1992
9	310628	15	June 14, 1992

3.0 LOCATION AND ACCESS

The Duke property is located in northwestern British Columbia in the Skeena Mining Division, 55 kilometers northwest of Stewart, British Columbia and 35 kilometers south of Homestake's Eskay Creek deposit. The claims are centered at 56 20' latitude and 130 22' longitude on N.T.S. map sheet 104B/8 (Figures 2,3).

The property is accessed by helicopter from either Stewart or the Eskay Creek camp. A mining road runs north from Stewart and ends at an airstrip named the Tide Strip. At this point a 12 kilometer tunnel runs west to the Old Granduc Mine, six kilometers south of the Duke Claims. This tunnel is not accessible at this time. An air strip also exists at the Granduc Mine but is in poor condition. Old cat roads, emanating from Granduc, parallel the drainages on the Duke claims.


HOMESTAKE
MINERAL DEVELOPMENT COMPANY
British Columbia
DUKE PROPERTY
Location Map
Fig 1
N
ALASKA
60°
140°
Whitehorse
Atlin
Dease Lake
Duke
Stewart
Smithers
Prince George
Kamloops
VANCOUVER
NORTHWEST TERRITORIES
ALBERTA
50°
130°
120°
PACIFIC OCEAN
U.S.A.
0
250
500
kilometres



HOMESTAKE CANADA LTD.

DUKE PROPERTY
CLAIM MAP

Fig 2

DATE: | SCALE: | DRAWING No.

4.0 PHYSIOGRAPHY

The Duke property is characterized by very rugged topography with steep sided valleys topped by serrated ridges and peaks. Maximum relief on the property is 5600', ranging from 1900' on the South Unuk River to 7500' at the peak of Mount Frank Mackie (Figure 3).

Weather in the region is dominated by warm wet Pacific air which rises up over the Coast Mountains, causing unsettled weather patterns with high precipitation. Annual precipitation commonly exceeds 300 centimeters/year with abundant snowfall in the winter months. Snowpack can last well into July and snowfall resumes in early September, although field work can extend into October.

5.0 MINERAL OCCURRENCES

The most significant mineralization in the area are the Eskay Creek deposit and the Granduc Mine. The Granduc mine, located six kilometers to the south of the Duke claims, is a past Cu producer described as highly deformed concordant syngenentic massive sulphide deposits. The mine operated from 1968 to 1984 and produced 17 million tonnes of of 1.83% Cu and minor Au and Ag (McGuigan et al., 1992). The Eskay Creek deposit, located 35 kilometers to the north of the Duke claims, consists of concordant massive sulphides with high precious metal values. At present, drilling has defined a probabale mineral resource of 1.08 million tonnes of 2.17 oz/ton Au and 99.05 oz/tonne Ag.

There are 7 Minfile occurrences within the Duke property and 4 Minfile occurrences close by (see Table 2).

TABLE 2 **MINFILE OCCURRENCES**

NAME	**NO.#**	**METALS**	**DESCRIPTION**
Grace	16	Cu, Fe	Meta sediments, quartz/ biotite/quartz/biotite/chlorite phyllonites, schists, chemical sediments, lenses magnetite chalcopyrite, shear hosted schists
Doc	14	Au,Ag,Cu	Andesite tuffs, siltstones wacke with mesothermal quartz vein carrying galena pyrite, specularite.
Florence	19	Pb,Cu,Au	Stuhini Group volcanics intruded by quartz feldspar porphyry, diabase, diorite dykes with quartz veins carrying pyrite, chalcopyrite galena.

NAME	NO.#	METALS	DESCRIPTION
Up	87	Cu,Au,Pb	Massive silicified dacite, orthoclase porphyry with disseminated pyrite trace chalcopyrite.
Mal	218	Cu	Volcanics hosting malachite and phyrrohtite.
Granite	229	Cu	Amphibolite rocks east of a cataclastite zone contain Cu mineralization with malachite stain.
Nurse	342	Ag,Pb, Zn, Cu, Au	Triassic gneisses contain two cross cutting quartz veins with galena, sphalerite, pyrite, chalcopyrite and bornite.
DC	134	Pb	A sequence of thick epiclastics, lithic tuffs, pillow lavas, thick siltstones with galena.
Divel	215	Pb,Cu	Unknown host, galena in quartz veins, maybe 992 slayer veins, galena in quartz within Quartz Monzonite.
Bliss 1	216	Pb,Cu	A gossan over andesite pillow lava's, syenite stocks containing up to 25% pyrite and 2% chalcopyrite.

Most of the above Minfile occurrences are podiform sulphides in fracture/shear controlled quartz veins that have a flat or shallow orientation. The dip and discontinuous nature of the veins detracts from their viability as economic deposits.

6.0 PREVIOUS WORK

Assessment reports record work by three different exploration groups since 1971. Additional work may have been performed, but not recorded as evident by the cat roads along the South Unuk drainage. The Sawyer Glacier area was worked in 1971 by El Paso Mining which located the Up porphyry Cu occurrence. The Divelbliss Creek to Cabin glacier area was geologically mapped and sampled by Glover and Freeze for Echo Bay Mines in 1989. They identified felsic volcanics which were thought to be correlative with the Mount Dilworth Formation. From 1988 to 1991 Teuton Resources held the area covered by the Duke 9 claim but after sampling the mineralized quartz veins the claims were allowed to lapse and in 1992 International Corona acquired the ground through staking.

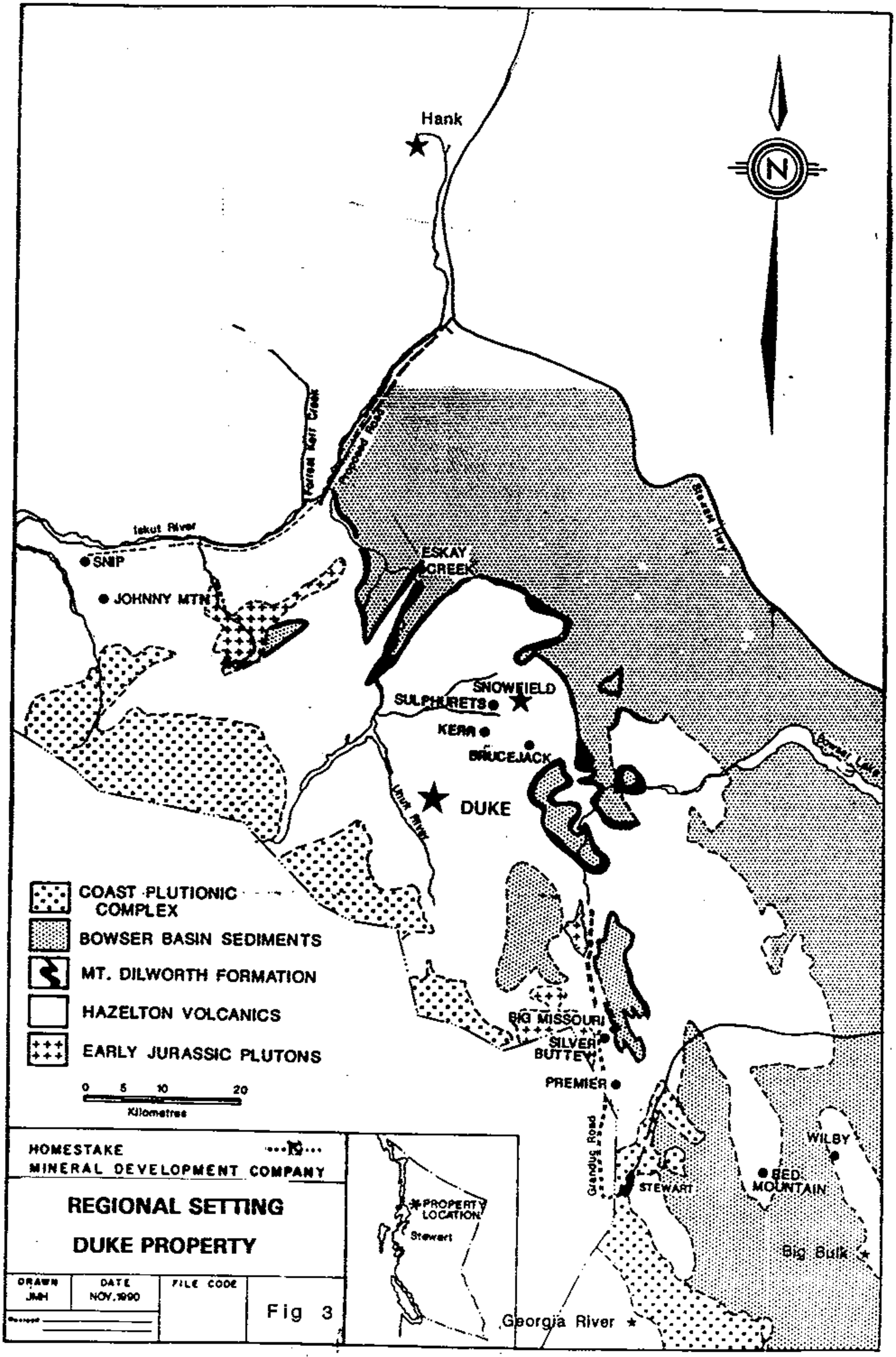
7.0 GEOLOGY

7.1 Regional Geology

The Duke property is located on Stikinia, the largest of the accreted terranes that form the northern Canadian Cordillera. Stikinia is characterized by Paleozoic sedimentary and volcanic rocks of the Devonian to Permian Stikine Assemblage, Upper Triassic volcanic and sedimentary rocks of the Stuhini Group and Jurassic volcanic and sedimentary rocks of the Hazelton Group. Overlying Middle to Upper Jurassic sediments of the Bowser Lake Group, the Cretaceous Sustut Group and Tertiary volcanic fields are post accretionary overlap assemblages that link Stikinia to adjacent terranes.

The Duke property is located in the Iskut River map area and is underlain by Triassic and Jurassic volcanic, sedimentary and intrusive rocks of the Stuhini and Hazelton Groups and Tertiary intrusive rocks of the Hyder plutonic suite. Alldrick (1987) and Anderson and Thorkelson (1990) have described four formations within the Hazelton Group in the Stewart area.

The oldest in the Hazelton Group is the Unuk River Formation, comprising andesitic to dacitic tuffs and flows interbedded with fine marine clastics. The upper parts of the formation include numerous flows, sills and dikes of the Premier porphyry, a distinctive hornblende +/- biotite-plagioclase porphyry with locally conspicuous orthoclase megacrysts. These rocks appear to be coeval with the Texas Creek granodiorite; they have yielded U-Pb ages of 194.8+/- 2.0 Ma and 195+/- 2.0 Ma. (Alldrick et al., 1987). and 190+/-2.0 Ma. (Brown, 1987). These


Hank
Forrest Kerr Creek
Proposed Road
Iskut River
Stewart Hwy
SNIP
JOHNNY MTN
ESKAY CREEK
SNOWFIELD
SULPHURETS
KERR
BRUCEJACK
DUKE
Unuk River
Bowser Lake
BIG MISSOURI
SILVER BUTTE
PREMIER
Granduc Road
STEWART
WILBY
RED MOUNTAIN
Big Bulk
Georgia River
COAST PLUTIONIC COMPLEX
BOWSER BASIN SEDIMENTS
MT. DILWORTH FORMATION
HAZELTON VOLCANICS
EARLY JURASSIC PLUTONS
0 5 10 20
Kilometres
HOMESTAKE
MINERAL DEVELOPMENT COMPANY
REGIONAL SETTING
DUKE PROPERTY
DRAWN JMH
DATE NOV.1990
FILE CODE
Fig 3
PROPERTY LOCATION
Stewart

predominantly marine rocks record the earliest stages of growth of the Jurassic Hazelton arc in the Stewart area. Further to the west in the Eskay to Sulphurets area, volcanic rocks are largely absent and the lowermost Hazelton consists of a distincitve basal conglomerate (Jack formation) and silicilcastic sediments.

The Unuk River Formation is overlain by the Betty Creek Formation, comprising dacitic flows and breccias, distinctive maroon clastic sediments and minor limestone. The maroon colour and epiclastic nature of the sedimentary rocks suggests a predominantly subaerial origin, recording growth of the arc edifices above sea level.

The Betty Creek Formation is capped by the thin, but laterally extensive and distinctive Mt. Dilworth Formation. This formation comprises a basal section of fine grained, well bedded tuffaceous sediments (dust tuffs of Alldrick, 1987) and an upper ash flow unit. The age of this unit is defined by underlying Pliensbachian strata and Toarcian fossils from the basal portion of the overlying Salmon River Formation.

The upper ash flow unit is overlain by the Salmon River Formation. The base of this formation is locally marked by fossiliferous calcareous sandstone beds of Toarcian age that are exposed throughout the Stewart-Iskut River map area (Anderson and Thorkelson, 1990). These rocks are overlain by either Troy Ridge facies (Anderson and Thorkelson, 1990), comprising well bedded siliceous argillite and argillite, or the Eskay facies comprising interbedded pillow basalt and argillite.

The top of the Salmon River Formation appears to grade into shales of the overlying Bowser Lake Group. This unit consists of shale, minor greywacke and chert pebble conglomerate with abundant Bathonian and younger fossils. Although the contact between the Salmon River and Bowser Lake Groups can be difficult to define, the contact is unconformable (Anderson and Thorkelson, 1990; Evenchick, 1991).

Recent mapping by Peter Lewis of the MDRU (pers. comm, 1991) has shown that on East Treaty ridge, the felsic tuffs mapped as the Mt. Dilworth Formation are Aalenian to Bajocian in age, similar to the rhyolite and pillow basalts within the Salmon River Formation. Felsic volcanics near the base of the Hazelton sequence in the Johns Peak area has yielded a Pliensbachian U-Pb age (M. Bevier, unpublished data).

The South Unuk River area is located on the western margin of Stikinia and is underlain by Stuhini and Hazelton Group rocks in contact with intrusives of the Coast plutonic and metamorphic complex. The area can be broken down into two belts of distinct rock types and metamorphic grade seperated by the Unuk River shear zone, a wide zone of ductile shear. The area was mapped by Grove (1986) and the northern part of the claim area was remapped by Britton et al. (1989) who assigned rocks exposed along the east side of the South Unuk River to the Betty Creek Formation, separated from sedimentary and volcanic rocks of the Unuk River Formation by the South Unuk River shear zone. Unpublished 226 and 221 Ma U-Pb dates from the McQuillan Ridge (Max) and Bucke glacier plutons (Anderson and Bevier, 1990) indicate a minimum Late Triassic age (Stuhini Group) for the host stratigraphy, as indicated by Glover and Freeze (1989) for stratigrgaphy on the west side of the Unuk River shear zone. The age of the stratigraphy on the east side of the shear zone remains enigmatic, although the presence of felsic volcanics and similarities to stratigraphy along strike to the north in the Mt. Madge and John's Peak areas suggest that they are part of the Hazelton Group with a possible Pliensbachian or younger age.

7.2 Property Geology

The area underlain by the Duke 1,2 and 3 claims was previously mapped by Glover and Freeze (1989). Their observations combined with reconnaisance mapping described in this report (see Map 1, in pocket) indicates that the area west of the South Unuk River shear zone is underlain by Stuhini Group meta volcanic and sedimentary rocks and the area to the east of the shear zone is underlain by mafic to felsic volcanics and argillites of the Hazelton Group. The Coast Plutonic Complex bounds the property on the west.

The southern Duke 4,5,6,7,8, and 9 claims are underlain by deformed and metamorphosed Triassic Stuhini rocks that include finely layered metasediments and metavolcanics. Structural repetition has probably caused thickening of this unit. Stuhini Group rocks are also exposed on the east side of the South Unuk River, west of the shear zone where andesite flows, breccias and tuffs are intercalated with minor limestone. Within the shear zone these rocks have been transformed into highly foliated gneisses.

East of the Unuk River shear zone, lithologies are interpreted to be part of the Lower Jurassic Hazelton Group. The sequence north of Cabin Glacier and south of Divelbliss Creek in the Duke 1 claim is similar to the section exposed across the Duke 3 claim, suggesting that they may be the same stratigraphic section, structurally repeated on either side of the Cabin Glacier. From east to west, mafic volcanics are overlain by andesite fragmentals and pillows with minor intercalated felsic volcanics which are overlain by argillite and andesitic volcanics.

The Unuk River shear zone is a wide zone of ductile shear, *striking 170^0 and dipping subvertically. This zone of shearing* is a major structure that extends to the junction of Harrymel creek and the Unuk River and may be related to the Forrest Kerr fault system. Changes in stratigraphy and metamorphic grade across the fault indicate overall east side down movemment although Glover and Freeze (1989) report right-lateral shear indicators, whereas H. Marsden (pers, comm) and P. Lewis (pers. comm.) report left lateral indicators near the Lee Brant stock. Triassic rocks to the west of the shear zone have been metamorphosed to lower amphibolite facies whereas rocks to the east are less metamorphosed, to lower or upper greenschist facies.

Deformation in the western block is intense as indicated by the trace of limestone beds, but litle structural mapping has been done in this area and there are no defined structural patterns on either side of the shear zone.

Mineralization

The reconnaissance work failed to indicate any evidence of stratiform sulphide mineralization and all of the stream sediment anomalies investigated to date can be related to vein or porphyry style mineralization.

Minor porphyry mineralization is associated with orthoclase porphyry intrusions. The mineralization carries minor Cu values, the highest being 0.75% Cu and no significant Au.

A total of six shear, quartz vein systems were investigated. Most of these contained galena and pyrite which ran up to 0.33 oz/ton Au, but lacked significant strike or tonnage potential.

Sampling in the vicinity of the mapped felsic volcanics has failed to inidicate any siginificant mineralization, although Glover and Freeze (1989) report values to 780 ppb Au from altered and pyritized rhyolites at the Lucky 13 showing. This was not confirmed by sampling during the 1992 program. Felsic volcanics at the head of Divelbliss Creek have a similar lithogeochemical signature to the rhyolites at Eskay and warrant further evaluation. Horne and Dean (1990) report frost heave of quartz veins and pods with galena, pyrite and malachite staining uphill from the DC showing that assayed up to 3.21 gpt Au and mapped areas underlain by sericite schist. Any possible connection between the alteration/mineralization and the low Ti-rhyolite should be investigated further.

8.0 SAMPLING RESULTS

The Duke claims were staked to evaluate the potential of the Jurassic stratigraphy to host Eskay Creek type volcanogenic massive sulphide deposits. An initial helicopter supported stream sediment program was followed up with widely spaced reconnaissance traverses. Assay and whole rock samples were collected in an effort to locate anomalous mineralization and compare the chemistry of the volcanics to International Corona's Eskay Creek whole rock database.

The stream sediment survey included 85 sample sites from which, whenever possible, silt/moss/concentrate samples were collected. Silt samples consisted of grab samples of creek fines, moss samples of moss mats within the creeks and heavy mineral samples which were seived to -20 mesh at the sample location site. The samples were sent to Bondar Clegg in Vancouver for analysis. The silt and moss samples were seived to -80 mesh and analysed for Au by fire assay, for Ag, Cu, Pb and Zn by Atomic Absorption, for As and Sb by Neutron Activation and Hg by cold vapour AA. The moss mat samples were analysed for the same suite of elements by ICP, except for Au which was analysed by Fire Assay, and Hg, analysed by cold vapour AA.

Sample locations are indicated on Map 2 (in pocket) and the results are tabulated in Table 8.1. The results identified three areas of anomalous results (greater than 98th percentile) in various elements.

During recconaissance mapping, 56 assay and 29 whole rock samples were collected on the Duke claim group. Sample locations are indicated on Map 2 *(in pocket)* and the results are listed in Tables 8.2 and 8.3.

Quartz-pyrite-galena veins, commonly shallow-dipping, are present throughout the claim area, but are most abundant in the Divelbliss-Cabin glacier area. Au,Ag,Pb stream sediment anomalies on the south side of the Divelbliss drainage probably source from these veins and similar float train material in the moraine and creek below the Cabin glacier. Cu, Pb, Ag, Au anomalies northeast of the Sawyer glacier appear to source from porphyry style mineralization related to orthoclase porphyry intrusions. Grab samples of the best mineralization ran 0.75% Cu with 0.002 opt Au.

Au, As, Cu and Pb stream sediment anomalies within the Duke 4-9 claims have not yet been evaluated.

Whole rock sampling has confirmed the presence of felsic volcanics within the Hazelton stratigraphy east of the Unuk river shear zone. One of the felsic samples, 62552, has a similar lithogeochemical signature that is characteristic of the rhyolites at Eskay.

9.0 *CONCLUSIONS AND RECOMMENDATIONS*

The program on the Duke claim group covered a large area in a short period of time. The stream sediment sampling program was extensive and can be correlated to mineralization encountered during follow-up prospecting. Lead and gold anomalies reflect galena bearing quartz veins, and copper anomalies sourced from the mineralized porphries. No evidence of Eskay-type mineralization was encountered and there are no clear anologues for the Eskay stratigraphy, although a whole rock from felsic volcanics located east of the Duke 1 claim is similar to the Eskay rhyolites. Further work evaluating the area around the rhyolites is recommended.

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STATEMENT OF EXPENDITURES

Duke 1-6
Property Stream Sediment Survey

June 25 - July 3, 1992

Contractors	2.6 man days @ $250/day	650.00
Domicile	2.6 man days @ $103.50/day	269.10
Geochem	50 samples @ $21.05/sample	1,052.50
Helicopter	6.8 hours @ $742.00/hr	5,045.60
		7,017.20

Geological Mapping and Sampling

July 18 - September 9, 1992

Personnel	21.5 man days @ $250/day	5,375.00
Domicile	21.5 man days @ $103.50/day	2,225.25
Geochem	49 Assay @ $22.00/sample	1,078.00
	17 whole rock @ 31.75/sample	539.75
Helicopter	7.6 hrs @ $742.00/hr	5,639.20
		14,857.20

Report Preparation

September 27 - December 9, 1992

Personnel	5 man days @ $250/day	1,250.00
		1,250.00
	TOTAL	$23,124.40

Duke 7-9

Property Stream Sediment Survey

June 25 - July 3, 1992

Contractors	2.0 man days @ $250/day	500.00
Domicile	2.0 man days @ $103.50/day	207.00
Geochem	37 samples @ $21.05/sample	778.85
Helicopter	5.1 hours @ $742.00/hr	3,784.20
		5,270.05

Geological Mapping and Sampling

July 18 - September 9, 1992

Personnel	5 man days @ $250/day	1,250.00
Domicile	5 man days @ $103.50/day	517.50
Geochem	6 Assay @ $22.00/sample	132.00
	3 whole rock @ 31.75/sample	95.25
Helicopter	1.4 hrs @ $742.00/hr	1,038.80
		3,033.55

Report Preparation

September 27 - December 9, 1992

Personnel	2 man days @ $250/day	500.00
		500.00

TOTAL $8,803.60

GRAND TOTAL DUKE 1-6 @ 7-9 ~~$31,297~~ 31,928.00

APPENDIX 1 STATEMENT OF QUALIFICATIONS

I, HENRY W. MARSDEN of 2153 Victoria Drive, Vancouver, BC, V5N 4K5, Do hereby certify that,

I am a geologist employed by Homestake Canada Ltd., Vancouver, BC.

I have practised exploration geology since 1981.

I am a graduate of the University of British Columbia, BC, Canada, with a B. Sc. degree in geology.

I am a graduate of Carleton University, Ottawa, Ont., with a M. Sc degree in geology.

Date:

Henry Marsden
Vancouver, BC

APPENDIX 2 ROCK DESCRIPTIONS AND RESULTS

WHOLE ROCK ANALYSES

DUKE WHOLE ROCK RESULTS

SAMPLE	TYPE	DESCRIPTION	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Mo ppm	As ppm	Sb ppm	Hg %
62544	MGG 55	RHYOLITE; laminated pale green to creamy coloured felsic tuff	−5	−0.2	30	10	15	6	11	4.4	−0.01
62545	MG 55	DACITE; thin laminated banded pale green volcanic ash/siltstone	−5	−0.2	79	5	77	1	6.2	1.3	0.012
62546	MG 63	ANDESITE; dark green laminated medium grained andesite tuff	6	−0.2	161	11	84	−1	3.1	1.5	0.014
62547	MG 71	MAFIC FLOW; massive fine grained dark green mafic flows	18	−0.2	344	4	97	−1	1.7	−0.2	−0.01
62548	MG 78	MAFIC SEDIMENT; fg laminated mafic epiclastic volcanic/siltstone/mudstone	7	−0.2	111	3	28	−1	1.2	1.7	−0.01
62549		MAFIC VOLCANIC; pillowed basalt	−5	−0.2	190	3	34	−1	2.3	0.6	−0.01
62550		MAFIC; massive dark green gossanous mafic with disseminated po	10	−0.2	91	3	173	−1	2.1	1	−0.01
62551		RHYOLITE; cherty siliceous(felsic ash)laminated lenses w/in flows wkly gossanous	−5	−0.2	5	3	16	−1	−1	−0.2	−0.01
62552		RHYOLITE; white weathering cherty felsic rock	−5	−0.2	5	11	13	2	−1	−0.2	−0.01
62553		ANDESITE; plagioclase phyric pillowed flows, tops E	7	−0.2	21	7	29	2	−1	0.8	−0.01
62554		RHYOLITE; cherty rhyolite from within pillowed flows	−5	−0.2	8	23	41	12	1.3	0.3	−0.01
72688	angular float	FELSIC METAMORPHIC, metamorphic rock with fracture and veinlet py, mag, gal <3%	6	0.9	10	105	103	1	8	3.7	−0.01
72689	3m chip	METASEDIMENT, purple manganese pyritic metasediment, pyrolusite	−5	−0.2	94	7	66	31	−1	0.7	−0.01
64757	creek 270	MARBLE, white and grey banded marble	−5	−0.2	2	4	10	−1	3.7	2.7	−0.01
64759	creek 260	DACITE, grey chert tuff	−5	−0.2	−1	8	18	2	−1	1	0.014
64760	creek 260	RHYOLITE, white rusty fractured py, quartz veined felsic rock	69	0.5	348	5	6	2	13	−0.2	0.021
64761	creek 260	GRANITE, quartz flooded coarse grained feldspar leucogranite, py	−5	0.2	11	25	33	5	1.7	1	0.02
64762	creek 240	BASALT, grey vesicular amygduloidal basalt	−5	0.5	15	6	125	2	5	−0.2	−0.01
64763	creek 230	RHYOLITE, black foliated siliceous felsic volcanic	−5	−0.2	−1	2	47	3	1.5	1.1	0.019
64764	creek 226	DACITE, white grey banded siliceous volcanic tuff	−5	−0.2	6	10	15	−1	−1	0.9	0.022
64767	creek 352	DACITE, green foliated massive breccia, py blebs	−5	1	112	4	120	4	6.6	1.5	−0.01
64768	creek 351	DACITE, pale green sericite altered chert tuff, fracture and wisps py	−5	0.4	118	5	573	4	1.6	0.3	0.035
64769	creek 348	ANDSEITE, medium dark green feldspar volcanic, chlorite, epidote, blebs py	−5	0.5	51	3	86	3	4.7	1.3	0.014
64770	creek 330	ANDESITE, grey laminated metavolcanic, diss py/po, chlt, epd, magnetic	−5	0.2	61	−2	54	3	−1	−0.2	0.015
80094	JRB	UNKNOWN	−5	−0.2	16	7	62	1	−1	0.3	−0.01
80095	JRB	UNKNOWN	65	0.8	174	835	563	3	5	1.1	0.027
80096	JRB	UNKNOWN	−5	−0.2	13	36	48	−1	4.2	0.6	0.012
80097	JRB	UNKNOWN	−5	−0.2	211	9	72	13	3.1	1.1	−0.01
80098	JRB	UNKNOWN	−5	−0.2	43	17	19	−1	1.7	0.6	−0.01

Note −1, −0.1, −0.2 means less than

DUKE WHOLE ROCK RESULTS

SAMPLE	Al2O3 %	CaO %	Fe2O3 %	K2O %	LOI %	MgO %	MnO %	Na2O %	P2O5 %	SiO2 %	TiO2 %	Total %	BaO %	Cr2O3 %	Nb ppm	Y ppm	Zr ppm
62544	7.44	26.43	4.72	2.2	6.47	8.5	0.39	1.19	0.29	44.51	0.39	100.8	0.066	0.02	8	26	95
62545	12.61	1.06	7.45	2.23	3.33	3.94	0.05	2.71	0.25	65.48	1.06	100.25	0.073	−0.01	11	30	215
62546	14.09	7.63	9.91	5.68	10.18	3.17	0.15	3.23	0.59	42.56	1.13	98.46	0.14	−0.01	14	20	136
62547	13.97	11.72	10.59	0.88	2.34	6.78	0.2	2.32	0.22	48.34	0.68	98.13	0.061	0.04	6	23	110
62548	14.17	11.88	10.75	0.91	1.18	6.88	0.2	2.35	0.16	48.96	0.68	98.24	0.063	0.04	−5	15	47
62549	16.42	12.02	8.87	−0.05	2.16	8.9	0.15	2.2	0.1	46.98	0.82	98.67	0.006	0.07	−5	26	64
62550	14.05	10.27	13.37	0.2	1.51	4.5	0.22	3.61	0.37	47.04	2.84	98.02	0.021	0.03	10	62	186
62551	9.89	0.51	1.62	0.09	0.54	0.83	0.02	4.89	0.12	78.87	0.18	97.78	0.007	0.02	−5	51	201
62552	11.89	1.36	0.95	3.83	0.45	0.12	0.02	3.31	0.05	78.64	0.07	100.83	0.129	0.02	41	88	150
62553	16.18	9.79	9.9	1.01	1.13	5.91	0.17	3.97	0.09	51.41	0.84	100.46	0.048	0.02	−5	20	71
62554	11.84	0.13	1.78	4.68	0.63	1.03	0.02	3.24	−0.03	76.96	0.13	100.77	0.339	−0.01	30	28	129
72688	11.54	2.04	2.55	1.05	1.26	0.8	0.04	4.51	0.05	74.3	0.19	98.38	0.009	0.02	−5	57	184
72689	8.14	1.91	4.58	0.58	4.38	2.3	0.04	0.52	0.26	78.94	0.54	100.38	0.152	0.02	−5	26	96
64757	0.28	53.43	0.51	−0.05	42.65	0.54	0.05	0.04	0.03	0.87	0.02	98.42	0.004	−0.01	−5	1	21
64759	13.34	2.71	1.78	3.99	2.03	0.44	0.03	4.05	0.07	70.81	0.23	99.51	0.231	−0.01	17	20	200
64760	17.99	3.24	1.19	0.38	1.09	0.05	−0.01	8.45	−0.03	67.93	0.12	98.5	0.041	0.02	36	15	657
64761	19.57	2.94	1.71	5.87	2.31	0.45	0.03	5.57	0.08	59.77	0.27	98.9	0.328	−0.01	59	12	255
64762	15.72	4.13	7.57	2.73	2.08	3.04	0.1	3.85	0.71	57.37	1.72	99.25	0.218	0.01	28	21	429
64763	18.65	4.21	6.43	3.17	3.76	1.84	0.12	3.58	0.2	57.1	0.71	99.83	0.065	−0.01	14	7	144
64764	6.87	3.31	1.8	0.25	0.72	0.43	0.04	0.85	0.14	84.69	0.38	99.54	0.055	0.02	17	19	166
64767	17.29	0.51	14.5	0.28	5.68	8.68	0.13	4.31	0.33	43.95	2.52	98.17	0.005	0.02	12	38	168
64768	11.08	2.38	5.89	0.41	1.91	3.07	0.11	3.19	0.19	68.77	0.52	97.55	0.01	−0.01	−5	28	117
64769	16.78	7.58	11.55	1.95	8.07	5.29	0.29	3.94	0.35	41.92	1.46	97.35	0.169	−0.01	7	17	112
64770	14.66	7.82	7.54	0.46	1.34	5.13	0.12	4.55	0.06	55.11	0.8	97.62	0.016	0.03	−5	33	127
80094	15.72	4.03	7.23	2.76	1.59	2.77	0.09	4.06	0.13	60.65	1.11	100.27	0.13	−0.01	18	44	181
80095	14.92	1.12	6.08	2.53	2.07	1.52	0.09	5.38	0.16	65.44	1.05	100.53	0.17	−0.01	18	24	244
80096	11.24	0.58	1.9	4.43	0.91	0.88	0.05	2.21	−0.03	76.95	0.29	99.79	0.352	−0.01	12	24	149
80097	10.86	8.5	6.75	1.49	2.19	2.88	0.18	0.23	0.24	65.2	0.89	99.63	0.23	0.01	8	29	109
80098	17	0.46	1.76	7.14	1.48	0.08	0.04	4.66	0.03	65.8	0.18	98.87	0.24	−0.01	25	9	102

Note −1, −0.1, −0.2 means less than

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Geochemical Lab Report

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REPORT: V92-00873.0 (COMPLETE)

PROJECT: 1040

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	As PPM	Sb PPM	Hg PPM	Al2O3 PCT	CaO PCT
R2 62544		<5	<0.2	30	10	15	6	11.0	4.4	<0.010	7.44	26.43
R2 62545		<5	<0.2	79	5	77	1	6.2	1.3	0.012	12.61	1.06
R2 62546		6	<0.2	161	11	84	<1	3.1	1.5	0.014	14.09	7.63
R2 62547		18	<0.2	344	4	97	<1	1.7	<0.2	<0.010	13.97	11.72
R2 62548		7	<0.2	111	3	28	<1	1.2	1.7	<0.010	14.17	11.88
R2 62549		<5	<0.2	190	3	34	<1	2.3	0.6	<0.010	16.42	12.02
R2 62550		10	<0.2	91	3	173	<1	2.1	1.0	<0.010	14.05	10.27
R2 62551		<5	<0.2	5	3	16	<1	<1.0	<0.2	<0.010	9.89	0.51

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SAMPLE NUMBER	ELEMENT UNITS	Fe2O3 PCT	K2O PCT	LOI PCT	MgO PCT	MnO PCT	Na2O PCT	P2O5 PCT	SiO2 PCT	TiO2 PCT	Total PCT	BaO PCT
R2 62544		4.72	2.20	6.47	6.50	0.39	1.19	0.29	44.51	0.39	100.60	0.066
R2 62545		7.45	2.23	3.33	3.94	0.05	2.71	0.25	65.48	1.06	100.25	0.073
R2 62546		9.91	5.68	10.18	3.17	0.15	3.23	0.59	42.56	1.13	98.46	0.140
R2 62547		10.59	0.88	2.34	6.78	0.20	2.32	0.22	48.34	0.68	98.13	0.061
R2 62548		10.75	0.91	1.18	6.88	0.20	2.35	0.16	48.96	0.68	98.24	0.063
R2 62549		8.87	<0.05	2.16	8.90	0.15	2.20	0.10	46.98	0.82	98.67	0.006
R2 62550		13.37	0.20	1.51	4.50	0.22	3.61	0.37	47.04	2.84	98.02	0.021
R2 62551		1.82	0.09	0.54	0.83	0.02	4.89	0.12	78.87	0.18	97.78	0.007

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PROJECT: 1040 PAGE 1C

SAMPLE NUMBER	ELEMENT UNITS	Cr2O3 PCT	Nb PPM	Y PPM	Zr PPM
R2 62544		0.02	8	26	95
R2 62545		<0.01	11	30	215
R2 62546		<0.01	14	20	136
R2 62547		0.04	6	23	110
R2 62548		0.04	<5	15	47
R2 62549		0.07	<5	26	64
R2 62550		0.03	10	62	186
R2 62551		0.02	<5	51	201

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PROJECT: 1040 PAGE 1A

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	As PPM	Sb PPM	Hg PPM	Al2O3 PCT	CaO PCT
R2 62552		<5	<0.2	5	11	13	2	<1.0	<0.2	<0.010	11.89	1.36
R2 62553		7	<0.2	21	7	29	2	<1.0	0.8	<0.010	16.18	9.79
R2 62554		<5	<0.2	8	23	41	12	1.3	0.3	<0.010	11.84	0.13

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SAMPLE NUMBER	ELEMENT UNITS	Fe2O3 PCT	K2O PCT	LOI PCT	MgO PCT	MnO PCT	Na2O PCT	P2O5 PCT	SiO2 PCT	TiO2 PCT	Total PCT	BaO PCT
R2 62552		0.95	3.83	0.45	0.12	0.02	3.31	0.05	78.64	0.07	100.83	0.129
R2 62553		9.90	1.01	1.13	5.91	0.17	3.97	0.09	51.41	0.84	100.46	0.046
R2 62554		1.78	4.68	0.63	1.03	0.02	3.24	<0.03	76.96	0.13	100.77	0.339

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PROJECT: 1040 PAGE 1C

SAMPLE NUMBER	ELEMENT UNITS	Cr2O3 PCT	Nb PPM	Y PPM	Zr PPM
R2 62552		0.02	41	88	150
R2 62553		0.02	<5	20	71
R2 62554		<0.01	30	28	129

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SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	As PPM	Sb PPM	Hg PPM	Al2O3 PCT	CaO PCT
R2 64757		<5	<0.2	2	4	10	<1	3.7	2.7	<0.010	0.28	53.43
R2 64758		53	0.3	4	3	5	2	1.9	<0.2	0.013	13.65	0.87
R2 64759		<5	<0.2	<1	8	18	2	<1.0	1.0	0.014	13.34	2.71
R2 64760		69	0.5	348	5	6	2	13.0	<0.2	0.021	17.99	3.24
R2 64761		<5	0.2	11	25	33	5	1.7	1.0	0.020	19.57	2.94
R2 64762		<5	0.5	15	6	125	2	5.0	<0.2	<0.010	15.72	4.13
R2 64763		<5	<0.2	<1	2	47	3	1.5	1.1	0.019	18.65	4.21
R2 64764		<5	<0.2	6	10	15	<1	<1.0	0.9	0.022	6.87	3.31

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SAMPLE NUMBER	ELEMENT UNITS	Fe2O3 PCT	K2O PCT	LOI PCT	MgO PCT	MnO PCT	Na2O PCT	P2O5 PCT	SiO2 PCT	TiO2 PCT	Total PCT	BaO PCT
R2 64757		0.51	<0.05	42.65	0.54	0.05	0.04	0.03	0.87	0.02	98.42	0.004
R2 64758		2.41	0.38	1.28	0.11	0.02	7.26	0.07	73.20	0.06	99.34	0.020
R2 64759		1.78	3.99	2.03	0.44	0.03	4.05	0.07	70.61	0.23	99.51	0.231
R2 64760		1.19	0.38	1.09	0.05	<0.01	6.45	<0.03	67.93	0.12	98.50	0.041
R2 64761		1.71	5.87	2.31	0.45	0.03	5.57	0.08	59.77	0.27	98.90	0.328
R2 64762		7.57	2.73	2.08	3.04	0.10	3.85	0.71	57.37	1.72	99.25	0.218
R2 64763		6.43	3.17	3.76	1.84	0.12	3.58	0.20	57.10	0.71	99.83	0.065
R2 64764		1.80	0.25	0.72	0.43	0.04	0.05	0.14	94.69	0.36	99.54	0.055

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SAMPLE NUMBER	ELEMENT UNITS	Cr2O3 PCT	Nb PPM	Y PPM	Zr PPM
R2 64757		<0.01	<5	1	21
R2 64758		0.01	49	20	975
R2 64759		<0.01	17	20	200
R2 64760		0.02	36	15	657
R2 64761		<0.01	59	12	255
R2 64762		0.01	28	21	429
R2 64763		<0.01	14	7	144
R2 64764		0.02	17	19	166

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SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	As PPM	Sb PPM	Hg PPM	Al2O3 PCT	CaO PCT
R2 64767		<5	1.0	112	4	120	4	6.6	1.5	<0.010	17.29	0.51
R2 64768		<5	0.4	118	5	573	4	1.6	0.3	0.035	11.08	2.38
R2 64769		<5	0.5	51	3	86	3	4.7	1.3	0.014	16.78	7.58
R2 64770		<5	0.2	61	<2	54	3	<1.0	<0.2	0.015	14.66	7.82

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SAMPLE NUMBER	ELEMENT UNITS	Fe2O3 PCT	K2O PCT	LOI PCT	MgO PCT	MnO PCT	Na2O PCT	P2O5 PCT	SiO2 PCT	TiO2 PCT	Total PCT	BaO PCT
R2 64767		14.50	0.28	5.68	8.66	0.13	4.31	0.33	43.95	2.52	98.17	0.005
R2 64768		5.89	0.41	1.91	3.07	0.11	3.19	0.19	68.77	0.52	97.55	0.010
R2 64769		11.55	1.95	6.07	5.29	0.29	3.94	0.35	41.92	1.46	97.35	0.169
R2 64770		7.54	0.46	1.34	5.13	0.12	4.55	0.06	55.11	0.80	97.62	0.016

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PROJECT: 1040 PAGE 1C

SAMPLE NUMBER	ELEMENT UNITS	Cr2O3 PCT	Nb PPM	Y PPM	Zr PPM
R2 64767		0.02	12	38	168
R2 64768		<0.01	<5	28	117
R2 64769		<0.01	7	17	112
R2 64770		0.03	<5	33	127

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PROJECT: 1040

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	As PPM	Sb PPM	Hg PPM	Al2O3 PCT	CaO PCT
R2 80094		<5	<0.2	16	7	62	1	<1.0	0.3	<0.010	15.72	4.03
R2 80095		65	0.8	174	835	563	3	5.0	1.1	0.027	14.92	1.12
R2 80096		<5	<0.2	13	36	48	<1	4.2	0.6	0.012	11.24	0.58
R2 80097		<5	<0.2	211	9	72	13	3.1	1.1	<0.010	10.86	8.50
R2 80098		<5	<0.2	43	17	19	<1	1.7	0.6	<0.010	17.00	0.46

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PROJECT: 1040

SAMPLE NUMBER	ELEMENT UNITS	Fe2O3 PCT	K2O PCT	LOI PCT	MgO PCT	MnO PCT	Na2O PCT	P2O5 PCT	SiO2 PCT	TiO2 PCT	Total PCT	BaO PCT
R2 80094		7.23	2.76	1.59	2.77	0.09	4.06	0.13	60.65	1.11	100.27	0.130
R2 80095		6.08	2.53	2.07	1.52	0.09	5.38	0.16	65.44	1.05	100.53	0.170
R2 80096		1.90	4.43	0.91	0.88	0.05	2.21	<0.03	76.95	0.29	99.79	0.352
R2 80097		6.75	1.49	2.19	2.86	0.18	0.23	0.24	65.20	0.89	99.63	0.230
R2 80098		1.76	7.14	1.48	0.08	0.04	4.66	0.03	65.80	0.18	98.87	0.240

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Geochemical Lab Report

A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

DATE PRINTED: 26-AUG-92

REPORT: V92-00822.0 (COMPLETE)

PROJECT: 1040

SAMPLE NUMBER	ELEMENT UNITS	Cr2O3 PCT	Nb PPM	Y PPM	Zr PPM
R2 80094		<0.01	16	44	181
R2 80095		<0.01	18	24	244
R2 80096		<0.01	12	24	149
R2 80097		0.01	8	29	109
R2 80098		<0.01	25	9	102

ASSAYS

DUKE ROCK ASSAY RESULTS

SAMPLE	TYPE	DESCRIPTION	Au oz/tn	Ag oz/tn	Cu ppm	Pb ppm	Zn ppm	Mo ppm	As ppm	Sb ppm	Hg %
62512	TK VEIN	QVN; quartz, gal, tetr, py, mal	0.194	22.2	8531	10000	5562	−1	709	5000	2.018
62668		QVN; volcanic hosted; .25m py−cpy−tt	0.005	0.04	297	19	19	2	1.6	−0.2	−0.01
62669		QVN; flat lying 40cm qtz vein, 10% py, 5% gal	0.003	0.54	10	6312	230	123	1.1	0.8	0.017
62670		QVN; py,cpy, gal, sph, tetr, from cliffs	0.148	0.67	892	23300	35000	21	87	60.1	0.622
62671		QVN;	0.003	−0.02	27	97	130	3	23	1.1	−0.01
62672	talus 1.5m chip	QVN; 1.5m chip	0.069	1.23	1518	37700	59300	13	129	322	0.625
62673	talus 1.0m chip	QVN; 1.0m chip	0.024	1.72	1286	101500	6897	8	37	132	0.262
62674	talus	QVN;	0.097	0.08	31	705	291	1	280	4.8	0.016
65403	grab .15m	QVN, Quartz vein with massive sulphides py, gal, Slayer	0.012	0.58	22	671	65	413	−1	0.8	−0.01
65404		QVN;	0.072	0.43	20	1071	244	271	−1	2.5	0.014
65405		SHEAR, pyritic quartz, parallel to Slayer	0.014	0.91	196	8425	265	1294	2.1	1.8	−0.01
65501	MG 54	DACITE; pale green siliceous, epidote altered dacite tuff, trace cpy mal	−0.001	−0.02	279	−2	12	8	6.2	3.1	0.012
65502	MG 56	ANDESITE; andesite tuff, chloritized, cpy mal disseminated and on fractures	−0.001	0.03	1388	9	49	3	1.6	0.9	0.028
65503	MG 57	DIORITE; altered feldspar porphyry diorite? cpy mal	0.002	0.08	2472	14	24	4	1.4	0.9	0.038
65504	MG 61	ANDESITE; lithic tuff with 5−10% disseminated and banded pyrite	0.003	−0.02	52	42	14	9	116	6.7	0.307
65505	MG 65	INTRUSIVE; pinkish grey feldspar (k) porphyry w/ trc diss cpy/mal trc py/po	0.002	0.1	3095	7	191	1	10	1.2	0.042
65506	MG 67	SHEAR; grey glassy quartz shear in "gneissic" crenulated laminated tuffs/wackes	−0.001	0.03	26	20	177	3	14	8.2	0.022
65507	MG 72	METASEDIMENT; siliceous laminated py/po banded tuffs/seds, amphibol,width 20cm	−0.001	0.03	131	4	22	2	2.6	−0.2	0.014
65508	MG 73	INTRUSIVE; pyritic gossanous zone of qtz veinlets and qtz rich intr,width 1.5m	−0.001	−0.02	74	6	65	3	7.3	−0.2	−0.01
65509	MG 77	INTRUSIVE; pyritic gossanous zone of quartz veinlets and quartz rich intrusive	0.001	0.02	142	3	11	−1	1.5	0.6	−0.01
65510	subcrop	MUDSTONE; blk argllt with banded and diss sulphides, py/po/cpy also on fractures	0.002	0.06	300	5	195	2	−1	0.4	0.011
65511		SHEAR;bleached white shear zone w/in pllw andes flows, gossan,1% py,trace cpy	−0.001	−0.02	27	10	77	1	2.6	6.3	0.019
65512		SHEAR; gossanous shear, 1m wide with carbonate and qtz veining, crs euh pyrite	0.015	0.04	10	25	27	−1	8.4	2.3	0.016
65513		METAMORPHIC ROCK; drk grn mss chlrd rx,strgly jntd 2% po,trc cpy diss & on frcs	0.002	−0.02	63	9	123	−1	1.9	0.6	−0.01
65514		MAFIC VOLCANIC; gossan, massive drk grn mafic volc,diss po 5%,trc fracture cpy	−0.001	−0.02	41	2	68	−1	2.4	0.7	0.013
65515		MAFIC VOLCANIC; mssv dark grn mafic volc,diss po,fract coatings of po,trc cpy	−0.001	−0.02	101	3	102	−1	1.7	0.7	−0.01
65516		GABBRO; gossan,crse grned gabbro/monzonite intrs, epid, chlor, pyr alter,trc cpy	−0.001	−0.02	114	6	39	1	−1	0.6	−0.01
65517		DACITE; cherty pale grn lmntd lense w/in mafic flows,1mx2m,diss po,py,trc cpy	−0.001	−0.02	142	−2	298	3	−1	0.3	0.011
65518	grab	MAFIC VOLCANIC; higrade cpy,w/ born, py, po in frctrs w/in drk grn mafic flows	0.002	0.15	7456	3	203	1	2.5	0.7	0.021
65519	chip	INTRUSIVE; across gossan, representative sample of porpyhry style mineralization	0.002	0.05	1584	4	95	3	−1	0.7	0.011
65520		METASEDIMENT; black crenulated pyritic epiclastic to phyllite, 2−3% py	−0.001	−0.02	44	28	36	7	83	10	0.059
65521		INTRUSIVE; intrusive with 5% disseminated py and silver metallic mineral	−0.001	−0.02	65	23	70	51	1.4	1.2	−0.01
65522	chip 1.0m	INTRUSIVE; flat vein within sheared intrusive, monzonite	−0.001	−0.02	54	41	276	27	−1	0.6	−0.01
65523	chip 0.9m	QVN; well mineralized quartz veins and sulphide zones within flat shear	0.065	2.06	57	8472	1362	407	−1	1.2	0.053
65524	chip 1.0m	SHEAR; gossanous sheared hornfels, 1% py	−0.001	0.05	19	297	80	77	−1	−0.2	0.017
65525	chip 1.5m	SHEAR; dark green sheared hornfels with trace py	−0.001	−0.02	24	122	120	131	−1	0.6	0.016
65526	chip 0.3m	QVN; quartz vein, quartz/pyrite/galena	0.128	2.54	22	6446	170	243	−1	1.2	0.018
65527	chip 0.7m	QVN; quartz vein, sulphide banding within fault zone	0.011	1.27	43	9709	2642	586	−2.4	1.3	0.081
65528	float	QVN; rounded, quartz veinlets with py, tetr, gal, sph, boulders 20cm3	0.064	0.6	104	2900	130	244	−1	0.9	0.021
65529	float	QVN; ribboned quartz vein, with py, tetr, sphr, gal	0.326	1.95	21	4253	15	4	14	−0.2	0.02
65530		QVN; DC minfile showing, quartz knots to 0.1m with trace tetr, gal, sph	−0.001	0.16	15	4295	70	32	4.4	6.7	0.011
65544		METASEDIMENT; banded sediment w/in dominently mafic volcanic, 3−5% euhedral py	−0.001	−0.02	53	23	67	7	3.4	2.4	0.014
65545		ANDESITE; chlrt altrd ands w/ limonitic qtz veining w/ euh py,similar to TK vein	0.005	−0.02	14	6	24	1	6.4	1.2	−0.01
64878	creek 268	AMPHIBOLITE, black magnetic amphibolite, po/py	−0.001	−0.02	19	2	37	2	2.2	−0.2	0.012
64879	creek 267	AMPHIBOLITE, black banded siliceous amphibolite, py/po	−0.001	0.04	263	5	32	6	6.4	−0.2	0.02
64881	creek 257	INTRUSIVE/VLCANIC, intermidiate, quartz blebs, 5−10% py/po	−0.001	−0.02	68	3	18	6	1.7	−0.2	0.022
64882	creek 242	METAVOLCANIC/INTRUSIVE, chlorite altered siliceous feldspar porphyry	−0.001	−0.02	49	−2	48	−1	1.4	−0.2	0.01
64883	creek 231	METASEDIMENT, black with white banded cherty metasediments trace py	−0.001	−0.02	236	4	53	2	1.7	1	0.012
64884	creek 217	FELSIC ZONE, brecciated felsic quartz zone	−0.001	−0.02	16	−2	3	2	5.2	−0.2	0.012
72632	creek 257	QCV, banded quartz/carbonate/py vein, float	−0.001	−0.02	91	6	61	1	91	1.1	−0.01
72635	creek 339	ANDESITE, dark green volcanic/diorite, chlorite altered, blebs py	−0.001	0.05	39	15	47	6	−1	−0.2	−0.01
72636	creek 335	METAVOLCANIC, black/green, py blebs, magnetite, quartz veins	−0.001	−0.02	168	13	142	8	3.9	1.1	−0.01
72637	creek 328	METAVOLCANIC, white with pink monzonite, 2% py, black, biotite	0.004	0.04	105	19	27	13	−1	2.9	−0.01
72638	creek 351	CHERT TUFF, pyritic chert tuff	0.002	0.06	1067	273	60	7	8.9	1.6	−0.01
72639	creek 350	ANDESITE, rusty siliceous coarse feldspar porphyry lithic tuff, py	0.002	0.04	111	102	87	6	109	4.4	0.208
72640	creek 344	METAMORPHIC ROCK, black/green biotite, magnetite, quartz sweats, disseminated py	−0.001	−0.02	114	27	126	13	−1	0.8	−0.01

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PROJECT: NONE GIVEN

SAMPLE NUMBER	ELEMENT UNITS	Au OPT	AG OPT
R2 62512		0.194	22.20

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PROJECT: NONE GIVEN PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Pb PPM	Zn PPM	Mo PPM	As PPM	Sb PPM	Hg PPM
R2 62512		8531	>10000	5562	<1	709.0	>5000.0	2.018

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PROJECT: 1040 PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au OPT	AG OPT
R2 64878		<0.001	<0.02
R2 64879		<0.001	0.04
R2 64880		<0.001	<0.02
R2 64881		<0.001	<0.02
R2 64882		<0.001	<0.02
R2 64883		<0.001	<0.02
R2 64884		<0.001	<0.02

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SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Pb PPM	Zn PPM	Mo PPM	As PPM	Sb PPM	Hg PPM
R2 64879		263	5	32	6	6.4	<0.2	0.020
R2 64880		201	4	49	1	<1.0	1.1	0.010
R2 64881		68	3	18	6	1.7	<0.2	0.022
R2 64882		49	<2	48	<1	1.4	<0.2	0.010
R2 64883		236	4	53	2	1.7	1.0	0.012
R2 64884		16	<2	3	2	5.2	<0.2	0.012

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SAMPLE NUMBER	ELEMENT UNITS	Au OPT	AG OPT
R2 65501		<0.001	<0.02
R2 65502		<0.001	0.03
R2 65503		0.002	0.08
R2 65504		0.003	<0.02
R2 65505		0.002	0.10
R2 65506		<0.001	0.03
R2 65507		<0.001	0.03
R2 65508		<0.001	<0.02
R2 65509		0.001	0.02
R2 65510		0.002	0.06
R2 65511		<0.001	<0.02
R2 65512		0.015	0.04
R2 65513		0.002	<0.02
R2 65514		<0.001	<0.02
R2 65515		<0.001	<0.02
R2 65516		<0.001	<0.02
R2 65517		<0.001	<0.02
R2 65518		0.002	0.15
R2 65519		0.002	0.05
R2 65520		<0.001	<0.02
R2 65521		<0.001	<0.02
R2 65522		<0.001	<0.02
R2 65523		0.065	2.06
R2 65524		<0.001	0.05
R2 65525		<0.001	<0.02
R2 65526		0.128	2.54
R2 65527		0.011	1.27
R2 65528		0.064	0.60
R2 65529		0.326	1.95

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SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Pb PPM	Zn PPM	Mo PPM	As PPM	Sb PPM	Hg PPM
R2 65501		279	<2	12	8	6.2	3.1	0.012
R2 65502		1388	9	49	3	1.6	0.9	0.028
R2 65503		2472	14	24	4	1.4	0.9	0.038
R2 65504		52	42	14	9	116.0	6.7	0.307
R2 65505		3095	7	191	1	10.0	1.2	0.042
R2 65506		26	20	177	3	14.0	8.2	0.022
R2 65507		131	4	22	2	2.6	<0.2	0.014
R2 65508		74	6	65	3	7.3	<0.2	<0.010
R2 65509		142	3	11	<1	1.5	0.6	<0.010
R2 65510		300	5	195	2	<1.0	0.4	0.011
R2 65511		27	10	77	1	2.6	6.3	0.019
R2 65512		10	25	27	<1	8.4	2.3	0.016
R2 65513		63	9	123	<1	1.9	0.6	<0.010
R2 65514		41	2	68	<1	2.4	0.7	0.013
R2 65515		101	3	102	<1	1.7	0.7	<0.010
R2 65516		114	6	39	1	<1.0	0.6	<0.010
R2 65517		142	<2	298	3	<1.0	0.3	0.011
R2 65518		7458	3	203	1	2.5	0.7	0.021
R2 65519		1584	4	95	3	<1.0	0.7	0.011
R2 65520		44	28	36	7	83.0	10.0	0.059
R2 65521		65	23	70	51	1.4	1.2	<0.010
R2 65522		54	41	276	27	<1.0	0.6	<0.010
R2 65523		57	8472	1362	407	<1.0	1.2	0.053
R2 65524		19	297	80	77	<1.0	<0.2	0.017
R2 65525		24	122	120	131	<1.0	0.6	0.016
R2 65526		22	6446	170	243	<1.0	1.2	0.018
R2 65527		43	9709	2642	586	<2.4	1.3	0.081
R2 65528		104	2900	130	244	<1.0	0.9	0.021
R2 65529		21	4253	15	4	14.0	<0.2	0.020

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SAMPLE NUMBER	ELEMENT UNITS	Au OPT	AG OPT
R2 65530		<0.001	0.16

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SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Pb PPM	Zn PPM	Mo PPM	As PPM	Sb PPM	Hg PPM
R2 65530		15	4295	70	32	4.4	6.7	0.031

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SAMPLE NUMBER	ELEMENT UNITS	Au OPT	AG OPT
R2 65544		<0.001	<0.02
R2 65545		0.005	<0.02

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SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Pb PPM	Zn PPM	Mo PPM	As PPM	Sb PPM	Hg PPM
R2 65544		53	23	67	7	3.4	2.4	0.014
R2 65545		14	6	24	1	6.4	1.2	<0.010

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SAMPLE NUMBER	ELEMENT UNITS	Au OPT	AG OPT
R2 72632		<0.001	0.02

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SAMPLE NUMBER	ELEMENT UNITS	Au OPT	AG OPT
R2 72635		<0.001	0.05
R2 72636		<0.001	<0.02
R2 72637		0.004	0.04
R2 72638		0.002	0.06
R2 72639		0.002	0.04
R2 72640		<0.001	<0.02

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SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Pb PPM	Zn PPM	Mo PPM	As PPM	Sb PPM	Hg PPM
R2 72635		39	15	47	6	<1.0	<0.2	<0.010
R2 72636		168	13	142	8	3.9	1.1	<0.010
R2 72637		105	19	27	13	<1.0	2.9	<0.010
R2 72638		1067	273	60	7	8.9	1.6	<0.010
R2 72639		111	102	87	6	109.0	4.4	0.208
R2 72640		114	27	126	13	<1.0	0.8	<0.010

APPENDIX 3 STREAM SEDIMENT SAMPLE ANALYSES

DUKE CLAIM GROUP STREAM SEDIMENT SAMPLES, 1992

SAMPLE NO.	Au ppb Silt	Au ppb Moss	Au ppb Conc	Ag ppm Silt	Ag ppm Moss	Ag ppm Conc	Cu ppm Silt	Cu ppm Moss	Cu ppm Conc	Pb ppm Silt	Pb ppm Moss	Pb ppm Conc	Zn ppm Silt	Zn ppm Moss	Zn ppm Conc	As ppm Silt	As ppm Moss	As ppm Conc	Sb ppm Silt	Sb ppm Moss	Sb ppm Conc	Hg % Silt	Hg % Moss	Hg % Conc
208	9	24	41	0.2	0.2	0.2	105	95	114	18	12	19	150	84	129	14	2	14	1.3	2	0.9	0.023	0.024	0.034
209	6	103	228	0.2	-1	-1	98	78	73	13	11	12	76	66	81	7.2	2	6.9	1.7	2	1.7	0.011	0.023	0.005
210	18	8	179	0.2	0.1	-1	114	98	80	15	9	13	105	78	90	8.2	7	11	1.5	2	1.3	0.013	0.021	0.005
211	12	-1	45	0.7	-1	0.7	62	-1	62	57	-1	57	207	-1	187	129	-1	133	3.5	-1	4	0.018	-1	0.005
212	20	-1	-1	0.3	-1	-1	175	-1	-1	80	-1	-1	119	-1	-1	13	-1	-1	2.1	-1	-1	0.005	-1	-1
213	9	-1	-1	0.3	-1	0.4	158	-1	165	24	-1	63	119	-1	112	19	-1	30	2.2	-1	2.9	0.018	-1	0.01
214	66	-1	37	0.3	-1	0.3	125	-1	105	18	-1	20	102	-1	88	12	-1	12	1.5	-1	1.5	0.005	-1	0.015
215	36	2	113	0.4	0.1	0.2	148	126	106	26	17	22	135	92	95	25	37	18	1.8	2	2	0.016	0.035	0.005
216	36	2	-1	0.3	0.2	0.2	106	103	82	22	20	16	138	89	109	48	48	17	1.7	2	1.4	0.054	0.068	0.025
217	11	2	109	-1	-1	-1	73	59	59	12	6	11	100	77	101	29	40	26	1.1	5	1.6	0.019	0.019	0.025
218	39	-1	8	0.2	-1	-1	64	-1	55	4	-1	6	57	-1	53	6.3	-1	5.7	0.8	-1	1	0.005	-1	0.012
219	10	7	7	0.2	0.2	-1	64	66	62	37	46	33	72	77	81	3.4	2	4.4	1.3	2	1.3	0.005	0.005	0.014
220	10	-1	12	0.2	-1	-1	152	-1	142	9	-1	10	91	-1	80	10	-1	11	1.1	-1	1	0.012	-1	0.005
221	2	-1	62	0.3	-1	0.2	187	-1	185	9	-1	17	107	-1	94	14	-1	21	1.2	-1	1.1	0.005	-1	0.016
222	34	6	13	0.2	0.1	-1	112	97	91	9	5	7	57	43	51	5	2	3.7	1.2	2	0.7	0.005	0.019	0.012
223	13	10	27	0.4	0.3	0.1	53	38	39	66	48	42	112	76	88	19	10	13	1.2	2	1	0.034	0.039	0.024
224	32	18	-1	-1	0.2	-1	35	35	-1	31	58	-1	87	94	-1	5.4	2	-1	0.9	2	-1	0.039	0.029	-1
225	15	9	-1	-1	-1	-1	41	93	-1	20	15	-1	86	43	-1	33	16	-1	1.2	2	-1	0.021	0.086	-1
226	16	956	13	0.4	0.3	-1	65	66	55	35	30	25	125	107	123	84	76	77	0.9	2	1.7	0.056	0.048	0.013
227	9	17	32	-1	-1	-1	86	127	105	15	11	12	90	94	90	14	6	12	0.8	2	1.2	0.005	0.029	0.027
228	-1	8	-1	-1	0.3	-1	-1	101	83	-1	9	12	-1	81	102	-1	11	9.4	-1	2	1.4	-1	0.074	0.03
229	12	32	-1	0.2	0.2	-1	126	86	-1	27	14	-1	118	70	-1	6.7	2	-1	2.4	2	-1	0.011	0.02	-1
230	22	-1	749	0.2	-1	-1	103	-1	86	22	-1	18	88	-1	77	7	-1	6.3	2.1	-1	1.8	0.005	-1	0.005
231	-1	13	-1	-1	0.4	-1	-1	120	-1	-1	42	-1	-1	149	-1	-1	6	-1	-1	2	-1	-1	0.069	-1
232	57	28	-1	0.2	0.3	-1	96	85	-1	10	7	-1	90	64	-1	7.2	2	-1	1.1	2	-1	0.005	0.11	-1
233	-1	30	-1	-1	0.4	-1	-1	50	-1	-1	12	-1	-1	51	-1	-1	2	-1	-1	2	-1	-1	0.37	-1
234	6	505	446	0.5	0.6	0.3	101	85	58	87	87	73	118	84	99	23	24	29	1.5	2	1.8	0.05	0.058	0.022
235	102	115	277	0.4	0.3	-1	35	38	34	86	79	65	104	114	99	6.1	2	5.8	3.8	2	5	0.005	0.017	0.012
236	9	-1	35	0.3	-1	0.2	77	-1	57	30	-1	25	122	-1	103	17	-1	13	0.8	-1	0.9	0.014	-1	0.017
237	6	-1	-1	0.3	-1	-1	68	-1	-1	66	-1	-1	86	-1	-1	11	-1	-1	2.6	-1	-1	0.005	-1	-1
238	2	76	20	0.1	-1	-1	89	84	74	14	12	15	80	64	75	4.2	2	3.6	1.6	2	1.2	0.015	0.02	0.02
239	30	155	9	-1	-1	-1	88	78	77	11	10	13	66	63	68	4.2	2	3.7	1.9	2	2.2	0.005	0.015	0.005
240	26	-1	40	0.2	-1	-1	125	-1	105	15	-1	13	72	-1	75	20	-1	26	1.7	-1	2.2	0.03	-1	0.005
241	2	21	44	0.2	-1	-1	109	83	72	16	11	13	86	67	72	9.3	6	10	2.7	2	3.4	0.019	0.028	0.031
242	2	18	-1	0.3	0.3	-1	136	127	-1	20	10	-1	113	68	-1	11	2	-1	3.2	2	-1	0.018	0.063	-1
243	2	-1	-1	0.5	-1	0.6	160	-1	144	81	-1	42	93	-1	81	17	-1	20	4.8	-1	5.1	0.015	-1	0.015
244	-1	32	-1	-1	0.2	-1	-1	158	-1	-1	8	-1	-1	67	-1	-1	2	-1	-1	2	-1	-1	0.046	-1
245	-1	13	-1	-1	-1	-1	-1	53	65	-1	5	11	-1	60	86	-1	2	8.7	-1	2	1	-1	0.063	0.02
246	72	-1	66	0.4	-1	0.3	143	-1	99	49	-1	38	77	-1	63	12	-1	11	2.7	-1	2.5	0.005	-1	0.005
247	2	-1	-1	0.2	-1	-1	161	-1	-1	10	-1	-1	117	-1	-1	3.7	-1	-1	1.2	-1	-1	0.019	-1	-1
248	12	17	9	0.2	0.3	-1	193	161	89	29	17	21	224	84	74	10	8	10	2.4	2	1.4	0.026	0.076	0.025
249	28	33	-1	0.4	0.4	-1	161	168	-1	42	59	-1	118	108	-1	16	24	-1	1.2	2	-1	0.018	0.048	-1

Note -1 means no sample

DUKE CLAIM GROUP STREAM SEDIMENT SAMPLES, 1992

SAMPLE NO.	Au ppb Silt	Au ppb Moss	Au ppb Conc	Ag ppm Silt	Ag ppm Moss	Ag ppm Conc	Cu ppm Silt	Cu ppm Moss	Cu ppm Conc	Pb ppm Silt	Pb ppm Moss	Pb ppm Conc	Zn ppm Silt	Zn ppm Moss	Zn ppm Conc	As ppm Silt	As ppm Moss	As ppm Conc	Sb ppm Silt	Sb ppm Moss	Sb ppm Conc	Hg % Silt	Hg % Moss	Hg % Conc
250	-1	46	-1	-1	-1	-1	-1	82	-1	-1	12	-1	-1	72	-1	-1	2	-1	-1	2	-1	-1	0.043	-1
251	48	111	-1	0.5	0.3	-1	111	109	-1	37	29	-1	88	76	-1	8.7	2	-1	1.6	2	-1	0.005	0.028	-1
252	74	-1	45	0.2	-1	0.2	119	-1	113	14	-1	17	66	-1	66	4.9	-1	8.5	1.6	-1	2	0.005	-1	0.005
253	54	65	41	0.4	0.4	0.3	268	262	110	38	40	19	170	113	90	8.2	12	9	6.1	2	2.9	0.067	0.055	0.01
254	-1	25	-1	-1	-1	-1	-1	77	83	-1	8	11	-1	61	90	-1	2	11	-1	2	1.2	-1	0.033	0.019
255	11	-1	27	0.2	-1	0.2	79	-1	86	24	-1	19	139	-1	136	6.2	-1	9.3	0.6	-1	0.1	0.017	-1	0.022
256	22	30	13	0.3	0.3	0.2	42	44	40	42	36	44	64	56	69	2.8	2	4.8	0.7	2	1.1	0.012	0.023	0.015
257	28	-1	24	0.2	-1	0.2	92	-1	89	11	-1	10	95	-1	94	8.6	-1	10	1.2	-1	1.1	0.005	-1	0.005
258	18	26	20	0.4	0.2	0.3	42	43	40	228	73	104	110	60	76	3.3	2	4.9	0.1	2	1	0.023	0.016	0.024
259	14	-1	20	0.2	-1	-1	98	-1	87	12	-1	10	104	-1	91	6.9	-1	8.2	0.7	-1	0.9	0.019	-1	0.017
321	-1	-1	2	-1	-1	0.1	-1	-1	19	-1	-1	4	-1	-1	19	-1	-1	-1	-1	-1	0.1	-1	-1	0.005
322	44	41	30	-1	-1	-1	-1	6	-1	6	4	7	34	48	43	-1	18	2.1	0.1	6	0.1	0.005	0.013	0.018
323	31	-1	32	0.4	-1	0.4	70	-1	73	23	-1	15	78	-1	77	14	-1	18	0.8	-1	0.8	0.005	-1	0.019
324	2	-1	2	0.2	-1	-1	42	-1	20	33	-1	14	71	-1	41	-1	-1	-1	1.2	-1	0.1	0.025	-1	0.016
325	2	-1	39	-1	-1	-1	14	-1	18	1	-1	4	20	-1	27	-1	-1	-1	0.1	-1	0.1	0.005	-1	0.005
326	2	-1	84	0.2	-1	0.2	40	-1	45	30	-1	36	75	-1	76	1	-1	1.4	0.9	-1	1	0.093	-1	0.026
327	2	-1	2	-1	-1	-1	9	-1	16	1	-1	3	26	-1	26	1.2	-1	-1	0.1	-1	0.1	0.005	-1	0.01
328	40	-1	119	0.7	-1	1.8	68	-1	82	168	-1	625	110	-1	163	3.4	-1	4.1	1.4	-1	1.8	0.005	-1	0.01
329	2	38	2	-1	-1	-1	14	25	17	3	21	7	25	44	30	-1	36	1.8	0.4	2	0.1	0.005	0.018	0.005
330	-1	9	-1	-1	0.2	-1	-1	99	-1	-1	13	-1	-1	145	-1	-1	16	-1	-1	2	-1	-1	0.031	-1
331	10	29	13	0.4	0.3	0.3	44	42	45	54	50	60	82	74	84	1	16	2.4	1.1	2	1.6	0.028	0.035	0.021
332	2	74	6	0.5	0.4	0.2	46	63	38	95	61	54	173	204	119	1.6	10	1.9	0.9	2	1.2	0.03	0.06	0.005
333	7	15	22	0.3	0.2	0.4	41	39	45	52	30	93	93	68	117	1.4	18	-1	0.9	2	1.1	0.045	0.065	0.03
334	2	-1	2	-1	-1	-1	16	-1	25	1	-1	7	26	-1	39	-1	-1	2.5	0.4	-1	0.1	0.012	-1	0.013
335	2	12	-1	0.4	0.2	-1	53	40	-1	75	47	-1	239	131	-1	4.1	2	-1	0.1	2	-1	0.042	0.055	-1
336	-1	2	-1	-1	-1	-1	-1	134	-1	-1	9	-1	-1	64	-1	-1	16	-1	-1	2	-1	-1	0.057	-1
337	57	-1	72	1	-1	0.8	66	-1	71	70	-1	76	134	-1	97	4.6	-1	4.5	1.7	-1	1.9	0.014	-1	0.023
338	15	30	-1	5.2	1.7	-1	75	67	-1	491	164	-1	1238	420	-1	26	16	-1	7.5	2	-1	0.144	0.103	-1
339	21	20	-1	0.5	0.3	-1	90	68	-1	55	31	-1	219	130	-1	2.2	2	-1	0.1	2	-1	0.03	0.042	-1
340	84	-1	76	1.3	-1	1.4	145	-1	146	152	-1	202	237	-1	194	4.5	-1	4.5	1.1	-1	1.2	0.026	-1	0.012
341	9	-1	28	0.5	-1	0.7	113	-1	112	46	-1	56	133	-1	117	10	-1	9.3	1.8	-1	1.8	0.016	-1	0.015
342	56	23	27	0.9	0.6	1	104	136	102	82	69	111	142	129	120	9.4	18	9	1.7	2	1.5	0.021	0.03	0.017
343	111	145	186	2.8	2.6	3.4	136	134	139	267	241	364	361	239	320	2.6	2	-1	0.8	2	0.8	0.023	0.036	0.011
344	9	30	-1	0.8	0.6	-1	203	384	-1	94	66	-1	75	65	-1	-1	7	-1	0.1	2	-1	0.022	0.062	-1
345	9	8	9	0.5	0.6	0.6	115	109	96	42	36	40	126	95	111	3.3	2	3.1	0.8	2	1	0.024	0.036	0.012
346	10	-1	-1	0.4	-1	-1	126	-1	-1	50	-1	-1	253	-1	-1	11	-1	-1	0.8	-1	-1	0.087	-1	-1
347	45	76	79	0.5	0.5	0.6	166	155	140	56	51	48	159	155	141	28	34	24	2.5	2	3.4	0.005	0.044	0.014
348	15	-1	-1	0.7	-1	-1	199	-1	-1	40	-1	-1	109	-1	-1	22	-1	-1	2.2	-1	-1	0.021	-1	-1
349	152	126	599	0.7	0.7	1.5	209	215	215	81	85	147	135	114	128	40	33	56	2.2	2	3.1	0.024	0.036	0.039
350	32	-1	36	1.1	-1	0.7	139	-1	167	73	-1	37	210	-1	90	29	-1	23	5	-1	2.5	0.023	-1	0.04
351	34	-1	107	0.7	-1	1.9	85	-1	90	83	-1	150	179	-1	175	19	-1	36	3.4	-1	5.1	0.005	-1	0.016
352	93	-1	-1	0.5	-1	-1	238	-1	-1	65	-1	-1	129	-1	-1	29	-1	-1	2.2	-1	-1	0.023	-1	-1
379	931	-1	-1	1.6	-1	-1	75	-1	-1	111	-1	-1	231	-1	-1	3.3	-1	-1	1.2	-1	-1	0.025	-1	-1

Note -1 means no sample

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BONDAR-CLEGG

Geochemical Lab Report

DATE PRINTED: 29-JUL-92

REPORT: V92-00677.0 (COMPLETE)

PROJECT: 1040

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	As PPM	Sb PPM	HG PPM
C2 208C		41	0.2	114	19	129	14.0	0.9	0.034
C2 209C		228	<0.1	73	12	81	6.9	1.7	<0.010
C2 210C		179	<0.1	80	13	90	11.0	1.3	<0.010
C2 211C		45	0.7	62	57	187	133.0	4.0	<0.010
C2 213C		IS	0.4	165	63	112	30.0	2.9	0.010
C2 214C		37	0.3	105	20	88	12.0	1.5	0.015
C2 215C		113	0.2	106	22	95	18.0	2.0	<0.010
C2 216C		IS	0.2	82	16	109	17.0	1.4	0.025
C2 217C		109	<0.1	59	11	101	26.0	1.6	0.025
C2 218C		8	<0.1	55	6	53	5.7	1.0	0.012
C2 219C		7	<0.1	62	33	81	4.4	1.3	0.014
C2 220C		12	<0.1	142	10	80	11.0	1.0	<0.010
C2 221C		62	0.2	185	17	94	21.0	1.1	0.016
C2 222C		13	<0.1	91	7	51	3.7	0.7	0.012
C2 223C		27	0.1	39	42	88	13.0	1.0	0.024
C2 226C		13	<0.1	55	25	123	77.0	1.7	0.013
C2 227C		32	<0.1	105	12	90	12.0	1.2	0.027
C2 228C		IS	<0.1	83	12	102	9.4	1.4	0.030
C2 230C		749	<0.1	86	18	77	6.3	1.8	<0.010
C2 234C		446	0.3	58	73	99	29.0	1.8	0.022
C2 235C		277	<0.1	34	65	99	5.8	5.0	0.012
C2 236C		35	0.2	57	25	103	13.0	0.9	0.017

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SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	As PPM	Sb PPM	HG PPM
C2 238C		20	<0.1	74	15	75	3.6	1.2	0.020
C2 239C		9	<0.1	77	13	68	3.7	2.2	<0.010
C2 240C		40	<0.1	105	13	75	26.0	2.2	<0.010
C2 241C		44	<0.1	72	13	72	10.0	3.4	0.031
C2 243C		IS	0.6	144	42	81	20.0	5.1	0.015
C2 245C		IS	<0.1	65	11	86	8.7	1.0	0.020
C2 246C		66	0.3	99	38	63	11.0	2.5	<0.010
C2 248C		9	<0.1	89	21	74	10.0	1.4	0.025
C2 252C		45	0.2	113	17	66	8.5	2.0	<0.010
C2 253C		41	0.3	110	19	90	9.0	2.9	0.010
C2 254C		IS	<0.1	83	11	90	11.0	1.2	0.019
C2 255C		27	0.2	86	19	136	9.3	<0.2	0.022
C2 256C		13	0.2	40	44	69	4.8	1.1	0.015
C2 257C		24	0.2	89	10	94	10.0	1.1	<0.010
C2 258C		20	0.3	40	104	76	4.9	1.0	0.024
C2 259C		20	<0.1	87	10	91	8.2	0.9	0.017
C2 260C		58	<0.1	87	16	164	12.0	1.2	0.020
C2 261C		38	0.1	105	12	79	8.6	1.0	<0.010
C2 262C		25	0.2	97	13	112	15.0	1.1	0.022
C2 263C		62	0.2	99	12	92	11.0	<0.2	<0.010
C2 264C		29	<0.1	34	11	66	4.1	0.9	<0.010
C2 266C		60	<0.1	90	10	74	10.0	0.9	0.019
C2 267C		165	0.2	85	10	67	7.7	0.9	0.018
C2 268C		39	<0.1	80	9	70	6.9	1.0	0.016
C2 269C		507	<0.1	62	6	54	6.4	<0.2	0.015
C2 270C		212	<0.1	41	8	53	4.4	<0.2	<0.010
C2 271C		13	<0.1	114	8	106	13.0	1.1	0.016
C2 272C		12	<0.1	73	12	58	7.3	0.9	0.015
C2 273C		8	<0.1	91	9	85	9.4	1.1	0.021
C2 274C		28	<0.1	42	9	286	12.0	3.0	0.216
C2 275C		10	<0.1	62	7	84	5.6	0.9	0.021
C2 276C		518	1.7	59	4	56	4.0	<0.2	0.018
C2 279C		6	<0.1	106	4	47	<1.0	<0.2	0.016
C2 280C		25	0.3	67	13	149	20.0	4.4	0.303
C2 281C		8	<0.1	81	12	120	21.0	6.3	0.259
C2 282C		41	<0.1	66	12	141	21.0	5.5	0.235
C2 283C		<5	0.2	33	15	150	77.0	11.0	0.286
C2 284C		6	0.3	49	16	524	60.0	14.0	0.434
C2 286C		<5	0.2	40	14	285	14.0	2.4	0.133
C2 287C		<5	0.3	38	14	299	21.0	2.5	0.139

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Geochemical Lab Report

REPORT: V92-00686.0 (COMPLETE)

DATE PRINTED: 21-JUL-92
PROJECT: 1040

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	As PPM	Sb PPM	Hg PPM
M1 208B		24	0.2	95	12	84	2	<5	<5	0.024
M1 209B		103	<0.1	78	11	66	2	<5	<5	0.023
M1 210B		8	0.1	98	9	78	2	7	<5	0.021
M1 215B		<5	0.1	126	17	92	4	37	<5	0.035
M1 216B		<5	0.2	103	20	89	3	48	<5	0.068
M1 217B		<5	<0.1	59	8	77	6	40	5	0.019
M1 219B		7	0.2	66	46	77	2	<5	<5	<0.010
M1 222B		6	0.1	97	5	43	2	<5	<5	0.019
M1 223B		10	0.3	38	48	76	2	10	<5	0.039
M1 224B		18	0.2	35	58	94	3	<5	<5	0.029
M1 225B		9	<0.1	93	15	43	2	16	<5	0.086
M1 226B		956	0.3	66	30	107	3	76	<5	0.048
M1 227B		17	<0.1	127	11	94	2	6	<5	0.029
M1 228B		8	0.3	101	9	81	3	11	<5	0.074
M1 229B		32	0.2	86	14	70	2	<5	<5	0.020
M1 231B		13	0.4	120	42	149	2	6	<5	0.069
M1 232B		28	0.3	85	7	64	1	<5	<5	0.110
M1 233B		30	0.4	50	12	51	1	<5	<5	0.370
M1 234B		505	0.6	85	87	84	3	24	<5	0.058
M1 235B		115	0.3	36	79	114	2	<5	<5	0.017
M1 238B		76	<0.1	84	12	64	3	<5	<5	0.020
M1 239B		155	<0.1	78	10	63	2	<5	<5	0.015
M1 241B		21	<0.1	83	11	67	2	6	<5	0.028
M1 242B		18	0.3	127	10	68	2	<5	<5	0.063
M1 244B		32	0.2	158	8	67	2	<5	<5	0.046
M1 245B		13	<0.1	53	5	60	2	<5	<5	0.063
M1 248B		17	0.3	161	17	84	3	8	<5	0.076

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Geochemical Lab Report

~~DATE PRINTED: 21-JUL-92~~

REPORT: V92-00686.0 (COMPLETE)

PROJECT: 1040

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	As PPM	Sb PPM	Hg PPM
M1 249B		33	0.4	168	59	108	3	24	<5	0.048
M1 250B		46	<0.1	82	12	72	2	<5	<5	0.043
M1 251B		111	0.3	109	29	76	2	<5	<5	0.028
M1 253B		65	0.4	262	40	113	3	12	<5	0.055
M1 254B		25	<0.1	77	8	61	3	<5	<5	0.033
M1 256B		30	0.3	44	36	56	13	<5	<5	0.023
M1 258B		26	0.2	43	73	60	17	<5	<5	0.018
M1 263B		15	0.2	105	5	98	3	10	<5	0.011
M1 264B		33	<0.1	30	8	42	2	<5	<5	0.029
M1 265B		36	<0.1	49	7	65	2	<5	<5	0.018
M1 268B		34	0.2	83	10	74	2	7	<5	0.024
M1 269B		49	0.1	70	4	43	3	<5	<5	0.030
M1 270B		186	<0.1	52	8	46	1	12	<5	0.023
M1 271B		16	0.3	101	6	98	4	17	<5	0.013
M1 272B		46	0.5	184	12	75	2	5	<5	0.041
M1 274B		<5	0.5	47	7	497	7	<5	<5	0.328
M1 275B		15	0.3	78	3	72	2	<5	<5	0.030
M1 276B		15	0.2	67	<2	42	2	<5	<5	0.024
M1 277B		39	0.2	19	5	40	2	<5	<5	<0.010
M1 278B		7	0.2	11	4	40	1	<5	<5	0.015
M1 279B		58	<0.1	138	<2	36	3	<5	<5	0.030
M1 280B		39	0.3	61	9	132	3	10	<5	0.252
M1 281B		31	0.3	84	9	115	4	29	7	0.337
M1 282B		20	0.3	85	9	105	4	19	9	0.270
M1 283B		6	0.2	43	14	126	6	76	8	0.371
M1 284B		9	0.5	47	10	479	15	80	14	0.489
M1 285B		6	0.4	30	9	445	12	50	6	0.336
M1 286B		8	0.4	31	9	255	7	12	<5	0.149
M1 287B		7	0.3	27	8	207	6	6	<5	0.107
M1 288B		9	0.2	21	8	91	8	15	<5	0.305
M1 289B		28	0.4	91	8	67	2	18	9	0.313
M1 290B		12	0.2	55	8	57	3	7	<5	0.130
M1 291B		10	0.2	123	12	99	2	21	<5	0.469
M1 292B		18	0.3	50	21	139	4	43	7	0.241
M1 293B		6	0.3	27	14	141	8	29	<5	0.164
M1 294B		6	0.1	66	8	79	2	20	<5	0.095
M1 296B		130	0.5	44	10	240	6	28	<5	0.136
M1 297B		11	1.3	99	18	916	10	50	6	0.370
M1 298B		IS	0.7	59	14	304	2	139	35	0.177
M1 299B		8	0.3	35	9	176	4	59	9	0.123

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Geochemical Lab Report

DATE PRINTED: 21-JUL-92

REPORT: V92-00686.0 (COMPLETE)

PROJECT: 1040

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	As PPM	Sb PPM	Hg PPM
M1 3008		16	0.5	42	12	219	3	106	11	0.193
M1 3028		9	0.3	35	9	166	8	66	<5	0.166
M1 3038		<5	0.5	22	16	175	5	13	<5	0.120
M1 3048		13	0.4	51	12	275	4	218	<5	0.166
M1 3058		18	0.3	38	8	156	5	14	<5	0.140
M1 3068		<5	0.3	29	7	147	3	18	<5	0.186
M1 3078		<5	<0.1	26	9	94	3	15	<5	0.069
M1 3088		IS	1.3	46	4	358	4	79	16	0.148
M1 3098		18	0.3	57	15	85	3	23	<5	0.057
M1 3108		133	0.9	89	13	127	1	126	22	0.102
M1 3128		43	0.3	38	7	65	2	16	<5	0.020
M1 3138		173	0.3	79	11	106	2	33	<5	0.022
M1 3158		52	0.4	98	16	184	3	80	<5	0.081
M1 3168		37	0.2	108	12	144	7	64	<5	0.067
M1 3178		12	0.1	46	4	58	3	8	<5	0.024
M1 3188		10	<0.1	19	4	36	2	9	<5	0.019
M1 3198		<5	<0.1	2	2	36	<1	<5	<5	0.010
M1 3228		41	<0.1	6	4	48	2	18	6	0.013
M1 3298		38	<0.1	25	21	44	7	36	<5	0.018
M1 3308		9	0.2	99	13	145	4	16	<5	0.031
M1 3318		29	0.3	42	50	74	20	16	<5	0.035
M1 3328		74	0.4	63	61	204	18	10	<5	0.060
M1 3338		15	0.2	39	30	68	10	18	<5	0.065
M1 3358		12	0.2	40	47	131	11	<5	<5	0.055
M1 3368		<5	<0.1	134	9	64	3	16	<5	0.057
M1 3388		30	1.7	67	164	420	11	18	<5	0.103
M1 3398		20	0.3	68	31	130	5	<5	<5	0.042
M1 3428		23	0.6	136	69	129	15	18	<5	0.030
M1 3448		30	0.6	384	66	65	16	7	<5	0.062
M1 3458		8	0.6	109	36	95	5	<5	<5	0.036
M1 3478		76	0.5	155	51	155	3	34	<5	0.044

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PROJECT: 1040

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	As PPM	Sb PPM	Hg PPM
M1 3438		145	2.6	134	241	239	131	<5	<5	0.036
M1 3498		126	0.7	215	85	114	14	33	<5	0.036

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REPORT: V92-00675.0 (COMPLETE)

PROJECT: 1040 PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	As PPM	Sb PPM	HG PPM
T1 255A		11	0.2	79	24	139	6.2	0.6	0.017
T1 256A		22	0.3	42	42	64	2.8	0.7	0.012
T1 257A		28	0.2	92	11	95	8.6	1.2	<0.010
T1 258A		18	0.4	42	228	110	3.3	<0.2	0.023
T1 259A		14	0.2	98	12	104	6.9	0.7	0.019
T1 260A		<5	0.3	89	18	159	9.5	1.8	0.013
T1 261A		56	0.3	105	13	85	8.5	0.8	<0.010
T1 262A		18	0.3	105	11	108	12.0	1.4	<0.010
T1 263A		23	0.3	115	14	111	9.3	1.0	0.014
T1 264A		51	0.2	40	13	64	3.2	0.9	0.033
T1 266A		38	0.3	90	10	71	7.7	0.7	0.010
T1 267A		20	0.3	85	9	70	5.5	0.9	0.017
T1 268A		37	0.3	83	9	67	6.0	0.7	<0.010
T1 269A		27	0.2	70	9	49	3.0	<0.2	0.023
T1 270A		125	0.2	47	10	51	4.3	0.9	0.024
T1 271A		15	0.4	113	10	101	10.0	0.9	<0.010
T1 272A		10	0.6	212	20	97	11.0	<0.4	0.036
T1 273A		10	0.3	108	14	92	10.0	0.7	0.023
T1 274A		6	0.4	45	12	477	14.0	3.1	0.270
T1 275A		7	<0.1	103	7	55	3.2	0.8	0.016
T1 276A		10	<0.1	67	3	46	2.6	<0.2	0.015
T1 277A		<5	<0.1	27	<2	39	2.0	<0.2	<0.010
T1 278A		<5	0.1	8	7	51	4.4	<0.2	0.021
T1 279A		<5	<0.1	141	5	55	1.4	<0.2	0.038
T1 280A		9	0.4	72	14	282	20.0	4.8	0.344
T1 281A		8	0.3	75	11	136	20.0	5.4	0.237
T1 282A		39	0.3	85	13	131	25.0	7.5	0.286
T1 283A		5	0.2	48	20	155	99.0	10.0	0.367
T1 284A		<5	0.5	55	17	651	69.0	15.0	0.516
T1 285A		<5	0.4	38	14	576	59.0	10.0	0.338
T1 286A		<5	0.4	37	13	326	20.0	2.9	0.131
T1 287A		<5	0.4	42	16	411	23.0	4.0	0.165
T1 288A		<5	0.3	26	16	131	29.0	2.1	0.143
T1 289A		6	0.4	79	12	72	19.0	5.0	0.169
T1 290A		<5	0.2	78	11	78	17.0	2.1	0.091
T1 291A		<5	0.2	111	17	123	14.0	2.1	0.393
T1 294A		6	0.2	75	14	91	33.0	2.8	0.108
T1 295A		<5	<0.1	37	15	123	20.0	2.5	0.159
T1 296A		<5	0.4	41	14	275	27.0	2.6	0.138
T1 297A		6	1.5	97	24	1410	44.0	5.7	0.480

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Geochemical Lab Report

DATE PRINTED: 28-JUL-92

REPORT: V92-00675.0 (COMPLETE)

PROJECT: 1040

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	As PPM	Sb PPM	HG PPM
T1 298A		9	0.8	93	27	252	41.0	5.8	0.227
T1 299A		<5	0.3	34	15	198	44.0	8.1	0.122
T1 300A		<5	0.3	37	14	183	113.0	14.0	0.110
T1 301A		11	0.4	37	14	176	86.0	11.0	0.128
T1 302A		6	0.3	33	16	182	66.0	2.7	0.151
T1 303A		<5	0.6	30	24	271	20.0	2.7	0.171
T1 304A		19	0.5	46	18	310	226.0	5.4	0.162
T1 305A		<5	0.2	47	13	187	18.0	2.4	0.149
T1 306A		<5	0.3	29	14	151	21.0	2.6	0.186
T1 307A		<5	<0.1	31	15	103	13.0	1.5	0.058
T1 308A		<5	3.1	102	13	761	48.0	4.5	0.357
T1 309A		15	0.3	44	19	90	11.0	1.0	0.046
T1 310A		42	0.8	91	23	161	83.0	3.4	0.067
T1 311A		18	4.7	69	24	227	63.0	4.3	0.034
T1 312A		36	0.2	49	11	90	11.0	<0.2	0.018
T1 313A		7	0.2	76	13	120	19.0	1.4	0.012
T1 314A		<5	0.1	1	<2	31	1.2	<0.2	<0.010
T1 315A		26	0.5	79	18	165	112.0	3.3	0.054
T1 316A		27	0.3	101	15	190	47.0	2.6	0.038
T1 317A		<5	0.2	40	10	64	4.1	<0.2	0.014
T1 318A		5	<0.1	21	7	48	2.5	<0.2	0.011
T1 319A		<5	<0.1	<1	3	27	<1.0	<0.2	<0.010
T1 320A		<5	<0.1	<1	7	41	1.3	<0.2	<0.010
T1 322A		44	<0.1	<1	6	34	<1.0	<0.2	<0.010
T1 323A		31	0.4	70	23	78	14.0	0.8	<0.010
T1 324A		<5	0.2	42	33	71	<1.0	1.2	0.025
T1 325A		<5	<0.1	14	<2	20	<1.0	<0.2	<0.010
T1 326A		<5	0.2	40	30	75	1.0	0.9	0.093
T1 327A		<5	<0.1	9	<2	26	1.2	<0.2	<0.010
T1 328A		40	0.7	68	168	110	3.4	1.4	<0.010
T1 329A		<5	<0.1	14	3	25	<1.0	0.4	<0.010
T1 331A		10	0.4	44	54	32	1.0	1.1	0.028
T1 332A		<5	0.5	46	95	173	1.6	0.9	0.030
T1 333A		7	0.3	41	52	93	1.4	0.9	0.045
T1 334A		<5	<0.1	16	<2	26	<1.0	0.4	0.012
T1 335A		<5	0.4	53	75	239	4.1	<0.2	0.042
T1 337A		57	1.0	86	70	134	4.8	1.7	0.014
T1 338A		15	5.2	75	491	1238	28.0	7.5	0.144
T1 339A		21	0.5	90	55	219	2.2	<0.2	0.030
T1 340A		84	1.3	145	152	237	4.5	1.1	0.026

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PROJECT: 1040

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	As PPM	Sb PPM	HG PPM
T1 341A		9	0.5	113	46	133	10.0	1.8	0.016
T1 342A		56	0.9	104	82	142	9.4	1.7	0.021
T1 343A		111	2.8	136	267	381	2.6	0.8	0.023
T1 344A		9	0.8	203	94	75	<1.0	<0.2	0.022
T1 345A		9	0.5	115	42	126	3.3	0.8	0.024
T1 346A		10	0.4	126	50	253	11.0	0.3	0.087
T1 347A		45	0.5	166	56	159	28.0	2.5	<0.010
T1 348A		15	0.7	199	40	109	22.0	2.2	0.021
T1 349A		152	0.7	208	81	135	40.0	2.2	0.024
T1 350A		32	1.1	138	73	210	29.0	5.0	0.023
T1 351A		34	0.7	65	83	179	19.0	3.4	<0.010
T1 352A		93	0.5	238	65	129	29.0	2.2	0.023
T1 64866		<5	1.0	31	16	174	5.1	1.3	0.094
T1 64868		<5	0.2	51	12	297	65.0	<0.2	0.127
T1 72617		<5	0.2	44	15	195	3.4	<0.2	0.043
T1 72619		9	0.3	47	17	175	3.2	0.6	0.061
T1 72621		<5	0.2	25	11	117	6.9	0.8	0.103
T1 72623		5	2.2	51	21	571	59.0	10.0	0.133
T1 72626		<5	0.6	35	19	283	54.0	6.1	0.254
T1 72628		12	0.5	41	17	311	110.0	14.0	0.196

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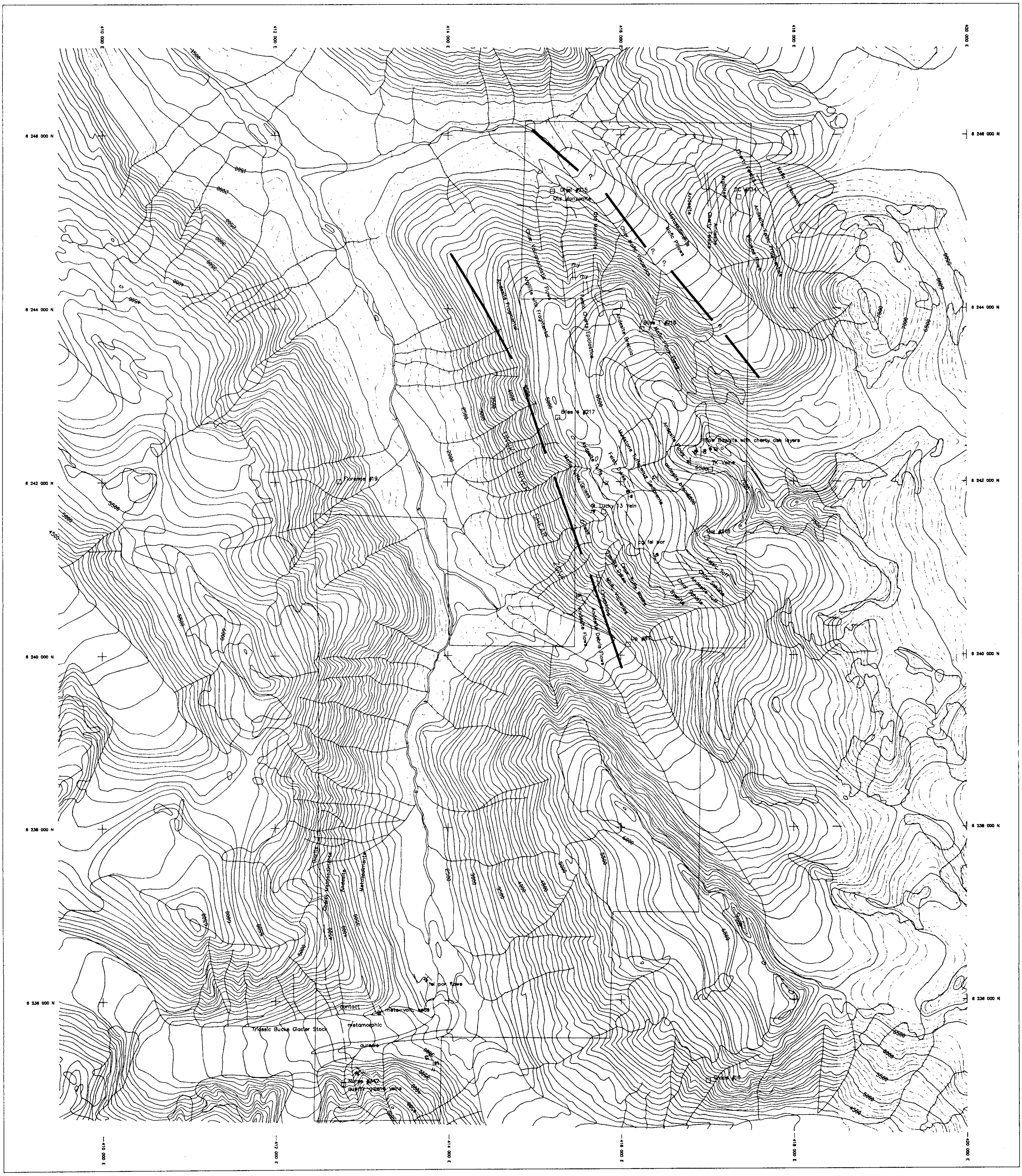
PROJECT: 1040

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	As PPM	Sb PPM	HG PPM
C2 288C		183	<0.1	28	13	124	23.0	1.9	0.225
C2 289C		18	<0.1	77	11	73	18.0	5.1	0.219
C2 291C		275	<0.1	104	16	98	12.0	1.3	0.394
C2 295C		9	<0.1	40	13	133	21.0	2.3	0.166
C2 296C		<5	0.2	42	13	246	22.0	2.9	0.150
C2 297C		9	0.9	90	21	1009	46.0	5.8	0.423
C2 298C		13	<0.1	58	18	287	31.0	3.4	0.062
C2 299C		6	<0.1	25	11	149	33.0	5.1	0.101
C2 300C		10	0.2	38	14	186	95.0	13.0	0.130
C2 301C		8	0.2	41	14	167	91.0	12.0	0.154
C2 303C		IS	0.3	28	19	231	28.0	3.0	0.138
C2 304C		53	<0.1	28	12	196	84.0	5.0	0.088
C2 305C		199	<0.1	37	12	174	15.0	2.5	0.121
C2 307C		<5	<0.1	28	13	103	16.0	2.8	0.063
C2 308C		<5	0.6	45	10	558	41.0	5.8	0.077
C2 309C		8	<0.1	37	13	68	6.6	1.2	0.021
C2 312C		324	<0.1	31	10	71	8.3	<0.2	0.026
C2 313C		16	0.2	72	13	122	20.0	1.1	0.016
C2 314C		<5	<0.1	7	6	41	1.4	<0.2	<0.010
C2 315C		51	0.2	70	14	154	74.0	2.2	0.049
C2 317C		14	<0.1	33	8	51	2.3	<0.2	0.014
C2 318C		<5	<0.1	18	6	67	4.9	<0.2	0.011
C2 319C		<5	<0.1	<1	4	32	<1.0	<0.2	<0.010
C2 320C		<5	<0.1	<1	6	45	2.0	<0.2	<0.010
C2 321C		<5	0.1	19	4	19	<1.0	<0.2	<0.010
C2 322C		30	<0.1	<1	7	43	2.1	<0.2	0.018
C2 323C		32	0.4	73	15	77	18.0	0.8	0.019
C2 324C		<5	<0.1	20	14	41	<1.0	<0.2	0.016
C2 325C		39	<0.1	18	4	27	<1.0	<0.2	<0.010
C2 326C		84	0.2	45	36	76	1.4	1.0	0.026
C2 327C		<5	<0.1	16	3	26	<1.0	<0.2	0.010
C2 328C		119	1.8	82	625	163	4.1	1.8	0.010
C2 329C		<5	<0.1	17	7	30	1.8	<0.2	<0.010
C2 331C		13	0.3	45	60	84	2.4	1.6	0.021
C2 332C		6	0.2	38	54	119	1.9	1.2	<0.010
C2 333C		22	0.4	45	93	117	<1.0	1.1	0.030
C2 334C		<5	<0.1	25	7	39	2.5	<0.2	0.013
C2 337C		72	0.8	71	78	97	4.5	1.9	0.023
C2 340C		76	1.4	146	202	194	4.5	1.2	0.012
C2 341C		28	0.7	112	56	117	9.3	1.8	0.015



LEGEND

- Contact
- Fault
- Bedding
- Minor fault
- Cleavage
- Contact
- Vein
- Minfile Occurrence

Note
Outcrops not mapped
Some numbers too small too read
T.K.

CONTOUR INTERVAL 100m

0 400 800 1200 1600 2000

SCALE	DATE	SHEET
1:20 000	26MAY93	1 of 1
	REF No.	

Drawing Name: DUKE.DWG
Xrefs: DUKETOPO.DWG

DUKE CLAIMS

GEOLOGY
MINERAL OCCURRENCES

HOMESTAKE

GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,930

DUKE ROCK ASSAY RESULTS

SAMPLE	TYPE	Au oz/tn	Ag oz/tn	Cu ppm	Pb ppm	Zn ppm	Mo ppm	As ppm	Sb ppm	Hg %
62512	TK VEIN	0.194	22.2	8531	10000	5562	−1	709	5000	2.018
62668		0.005	0.04	297	19	19	2	1.8	−0.2	−0.01
62669		0.003	0.54	10	6312	230	123	1.1	0.8	0.017
62670		0.148	0.67	892	23300	35000	21	87	60.1	0.622
62671		0.003	−0.02	27	97	130	3	23	1.1	−0.01
62672	talus 1.5m chip	0.069	1.23	1518	37700	59300	13	129	322	0.825
62673	talus 1.0m chip	0.024	1.72	1286	101500	6697	8	37	132	0.282
62674	talus	0.097	0.08	31	705	291	1	280	4.8	0.016
65403	grab .15m	0.012	0.58	22	671	65	413	−1	0.8	−0.01
65404		0.072	0.43	20	1071	244	271	−1	2.5	0.014
65405		0.014	0.91	196	8425	265	1294	2.1	1.8	−0.01
65501	MG 54	−0.001	−0.02	279	−2	12	8	6.2	3.1	0.012
65502	MG 56	−0.001	0.03	1388	9	49	3	1.6	0.9	0.028
65503	MG 57	0.002	0.08	2472	14	24	4	1.4	0.9	0.038
65504	MG 61	0.003	−0.02	52	42	14	9	116	6.7	0.307
65505	MG 65	0.002	0.1	3096	7	191	1	10	1.2	0.042
65506	MG 67	−0.001	0.03	26	20	177	3	14	8.2	0.022
65507	MG 72	−0.001	0.03	131	4	22	2	2.6	−0.2	0.014
65508	MG 73	−0.001	−0.02	74	8	85	3	7.3	−0.2	−0.01
65509	MG 77	0.001	0.02	142	3	11	−1	1.5	0.6	−0.01
65510	subcrop	0.002	0.06	300	5	195	2	−1	0.4	0.011
65511		−0.001	−0.02	27	10	77	1	2.6	6.3	0.019
65512		0.015	0.04	10	25	27	−1	8.4	2.3	0.016
65513		0.002	−0.02	63	9	123	−1	1.9	0.6	−0.01
65514		−0.001	−0.02	41	2	68	−1	2.4	0.7	0.013
65515		−0.001	−0.02	101	3	102	−1	1.7	0.7	−0.01
65516		−0.001	−0.02	114	6	39	1	−1	0.6	−0.01
65517		−0.001	−0.02	142	−2	298	3	−1	0.3	0.011
65518	grab	0.002	0.15	7458	3	203	1	2.5	0.7	0.021
65519	chip	0.002	0.05	1584	4	95	3	−1	0.7	0.011
65520		−0.001	−0.02	44	28	36	7	83	10	0.059
65521		−0.001	−0.02	65	23	70	51	1.4	1.2	−0.01
65522	chip 1.0m	−0.001	−0.02	54	41	276	27	−1	0.6	−0.01
65523	chip 0.9m	0.065	2.06	57	8472	1362	407	−1	1.2	0.053
65524	chip 1.0m	−0.001	0.05	19	297	80	77	−1	−0.2	0.017
65525	chip 1.5m	−0.001	−0.02	24	122	120	131	−1	0.6	0.016
65526	chip 0.3m	0.128	2.54	22	8446	170	243	−1	1.2	0.018
65527	chip 0.7m	0.011	1.57	43	9709	2640	586	−2.4	1.3	0.081
65528	float	0.064	0.6	104	2965	130	244	[illegible]	0.9	0.021
65529	float	0.008	1.85	61	4253	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
65530		−0.001	0.18	15	4296	70	32	4.4	6.7	0.011
65531		−0.001	0.15	18	23	67	1	3.4	1.9	0.014
65544		0.005	−0.02	14	6	24	[illegible]	[illegible]	[illegible]	[illegible]
65545		−0.001	0.02	12	3	37	[illegible]	[illegible]	[illegible]	[illegible]
64878	creek 266	−0.001	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
64879	creek 267	−0.001	0.04	253	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
64880	creek 257	−0.001	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
64881	creek 242	−0.001	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
64882	creek 241	−0.001	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
64883	creek 231	−0.001	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
64884	creek 217	−0.001	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
72632	creek 257	−0.001	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
72633	creek 329	−0.001	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
72634	creek 335	−0.001	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
72636	creek 339	0.004	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
72637	creek 328	0.004	0.04	105	19	27	13	−1	[illegible]	−0.01
72638	creek 351	0.002	0.06	1067	273	60	7	8.9	1.6	−0.01
72639	creek 350	0.002	0.04	111	102	87	6	109	4.4	0.208
72640	creek 344	−0.001	−0.02	114	27	126	13	−1	0.8	−0.01

DUKE CLAIM GROUP STREAM SEDIMENT SAMPLES, 1992

SAMPLE NO.	Au ppb Silt	Au ppb Moss	Au ppb Conc	Ag ppm Silt	Ag ppm Moss	Ag ppm Conc	Cu ppm Silt	Cu ppm Moss	Cu ppm Conc	Pb ppm Silt	Pb ppm Moss	Pb ppm Conc	Zn ppm Silt	Zn ppm Moss	Zn ppm Conc
208	9	24	41	0.2	0.2	0.2	105	95	114	18	12	19	150	84	129
209	8	103	228	0.2	−1	−1	98	78	73	13	11	12	78	68	81
210	18	8	179	0.2	0.1	−1	114	98	80	15	9	13	105	78	90
211	12	−1	45	0.7	−1	0.7	62	−1	62	57	−1	57	207	−1	187
212	20	−1	−1	0.3	−1	−1	175	−1	−1	80	−1	−1	119	−1	−1
213	9	−1	−1	0.3	−1	0.4	158	−1	165	24	−1	63	119	−1	112
214	66	−1	37	0.3	−1	0.3	125	−1	105	18	−1	20	102	−1	88
215	38	2	113	0.4	0.1	0.2	148	126	106	28	17	22	135	92	95
216	36	2	−1	0.3	0.2	0.2	106	103	82	22	20	16	138	89	109
217	11	2	109	−1	−1	−1	73	59	59	12	8	11	100	77	101
218	39	−1	8	0.2	−1	−1	64	−1	55	4	−1	6	57	−1	53
219	10	7	7	0.2	0.2	−1	64	66	62	37	46	33	72	77	81
220	10	−1	12	0.2	−1	−1	152	−1	142	9	−1	10	91	−1	80
221	2	−1	62	0.3	−1	0.2	167	−1	185	9	−1	17	107	−1	94
222	34	6	13	0.2	0.1	−1	112	97	91	9	5	7	57	43	51
223	13	10	27	0.4	0.3	0.1	53	38	39	68	48	42	112	78	68
224	32	18	−1	−1	0.2	−1	35	35	−1	31	58	−1	87	94	−1
225	15	9	−1	−1	−1	−1	41	93	−1	20	15	−1	86	43	−1
226	16	956	13	0.4	0.3	−1	65	66	55	35	30	25	125	107	123
227	9	17	32	−1	−1	−1	86	127	105	15	11	12	90	94	90
228	−1	8	−1	−1	0.3	−1	−1	101	83	−1	9	12	−1	81	102
229	12	32	−1	0.2	0.2	−1	128	88	−1	27	14	−1	118	70	−1
230	22	−1	749	0.2	−1	−1	103	−1	88	22	−1	18	88	−1	77
231	−1	13	−1	−1	0.4	−1	−1	120	−1	−1	42	−1	−1	149	−1
232	57	28	−1	0.2	0.3	−1	98	85	−1	10	7	−1	90	84	−1
233	−1	30	−1	−1	0.4	−1	−1	50	−1	−1	12	−1	−1	51	−1
234	6	505	446	0.5	0.8	0.3	101	85	58	87	87	73	118	84	99
235	102	115	277	0.4	0.3	−1	35	36	34	86	79	65	104	114	99
236	9	−1	35	0.3	−1	0.2	77	−1	57	30	−1	25	122	−1	103
237	6	−1	−1	0.3	−1	−1	68	−1	−1	66	−1	−1	86	−1	−1
238	2	76	20	0.1	−1	−1	89	84	74	14	12	15	80	64	75
239	30	155	9	−1	−1	−1	88	78	77	11	10	13	68	63	68
240	26	−1	40	0.2	−1	−1	125	−1	105	15	−1	13	72	−1	75
241	2	21	44	0.2	−1	−1	109	83	72	16	11	13	88	67	72
242	2	16	−1	0.3	0.3	−1	136	127	−1	20	10	−1	113	68	−1
243	2	−1	−1	0.5	−1	0.6	160	−1	144	81	−1	42	93	−1	81
244	−1	32	−1	−1	0.2	−1	−1	158	−1	−1	8	−1	−1	67	−1
245	−1	13	−1	−1	−1	−1	−1	53	65	−1	5	11	−1	60	86
246	72	−1	66	0.4	−1	0.3	143	−1	99	49	−1	38	77	−1	63
247	2	−1	−1	0.2	−1	−1	161	−1	−1	10	−1	−1	117	−1	−1
248	12	17	9	0.2	0.3	−1	193	161	89	29	17	21	224	84	74
249	28	33	−1	0.4	0.4	−1	161	168	−1	42	59	−1	118	108	−1
SAMPLE NO.	Au ppb Silt	Au ppb Moss	Au ppb Conc	Ag ppm Silt	Ag ppm Moss	Ag ppm Conc	Cu ppm Silt	Cu ppm Moss	Cu ppm Conc	Pb ppm Silt	Pb ppm Moss	Pb ppm Conc	Zn ppm Silt	Zn ppm Moss	Zn ppm Conc
250	−1	46	−1	−1	−1	−1	−1	82	−1	−1	12	−1	−1	72	−1
251	48	111	−1	0.5	0.3	−1	111	109	−1	37	29	−1	88	76	−1
252	74	−1	45	0.2	−1	0.2	119	−1	113	14	−1	17	66	−1	66
253	54	65	41	0.4	0.4	0.3	268	262	110	38	40	19	170	113	90
254	−1	25	−1	−1	−1	−1	−1	77	83	−1	8	11	−1	61	90
255	11	−1	27	0.2	−1	0.2	79	−1	86	24	−1	19	139	−1	136
256	22	30	13	0.3	0.3	0.2	42	44	40	42	36	44	64	56	69
257	28	−1	24	0.2	−1	0.2	92	−1	89	11	−1	10	95	−1	94
258	18	26	20	0.4	0.2	0.3	42	43	40	228	73	104	110	60	76
259	14	−1	20	0.2	−1	−1	98	−1	87	12	−1	10	104	−1	91
321	−1	−1	2	−1	−1	0.1	−1	−1	19	−1	−1	4	−1	−1	19
322	44	41	30	−1	−1	−1	−1	6	−1	6	4	7	34	48	43
323	31	−1	32	0.4	−1	0.4	70	−1	73	23	−1	15	78	−1	77
324	2	−1	2	0.2	−1	−1	42	−1	20	33	−1	14	71	−1	41
325	2	−1	39	−1	−1	−1	14	−1	18	1	−1	4	20	−1	27
326	2	−1	84	0.2	−1	0.2	40	−1	45	30	−1	36	75	−1	76
327	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
328	40	−1	[illegible]	0.7	−1	1.8	88	−1	[illegible]	188	−1	623	110	−1	[illegible]
329	15	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
330	−1	−1	6	−1	−1	−1	−1	4	96	−1	5	21	−1	43	145
331	10	8	13	0.4	0.3	0.3	44	42	41	54	10	60	62	74	84
332	7	8	8	0.5	0.4	0.3	48	60	58	95	81	54	173	204	119
333	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
334	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
335	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
336	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
337	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
338	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
339	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
340	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
341	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
342	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
343	111	145	184	2.8	2.8	3.4	136	134	139	267	241	264	361	239	320
344	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
345	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
346	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
347	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
348	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
349	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
350	22	−1	−1	0.7	−1	0.1	136	−1	187	73	−1	37	210	−1	95
351	38	135	107	0.7	−1	1.8	85	−1	90	83	−1	150	178	−1	175
352	[illegible]	−1	−1	0.6	−1	−1	238	−1	−1	85	−1	−1	121	−1	−1
379	501	−1	−1	1.5	−1	−1	73	−1	−1	111	−1	−1	129	−1	−1

○379a Stream sediment Sample

○79835 Rock sample

Note
Geochem. values not plotted at sample sites; Silt sample sites not plotted on creeks; numbers overprinted.
T.K.

CONTOUR INTERVAL 100m

0 400 800 1200 1600 2000

SCALE	DATE	SHEET
1:20 000	03JUN93	1 of 1
	REF No.	

Drawing Name: DUKE2.DWG
Xrefs: DUKETOP2.DWG
DUKSILT.DWG
DUKEBOR2.DWG

DUKE CLAIMS

SAMPLE LOCATIONS

ROCK AND SILT SAMPLE RESULTS

HOMESTAKE

AR 22930