REPORT ON COREY CLAIM GROUP
STEWART, BRITISH COLUMBIA
SKEENA MINING DIVISION
NTS 104B 8W
LATITUDE 56° 27'
LONGITUDE 103° 25'

BY

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GEOLOGICAL BRANCH
ASSESSMENT REPORT

CALGARY, ALBERTA
APRIL, 1988

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SUMMARY

The Corey Claim Group owned by Catear Resources Ltd. and optioned to Bighorn Development Corporation is located about 70 km northwest of Stewart, B.C. near Brucejack Lake at the mouth of Sulphurets Creek, a tributary of the Unuk River. The Claims cover an area of volcanic sandstones and conglomerates of the Unuk River Formation variably altered to sericite schists and intruded by a variety of plugs related to the Coast Range Batholith.

The area of the Corey Claims is due west and adjacent to the bonanza gold-silver discoveries at Brucejack Lake by both the Newcana Joint Venture and Catear Resources Ltd. The Newcana Joint has announced the following results:

ZONE	CATEGORY	TONS	AU OZ/T	AG OZ/T
West	Proven	300,151	0.516	28.28
	Probable	324,500	0.496	12.67
	Inferred	879,837	0.506	20.17
Total West Zone		1,504,488	0.506	20.17
Shore	Inferred	539,776	0.263	27.23
Gossan Hill	Inferred	27,639	1.940	3.51

Catear conducted diamond drilling on its Goldwedge property within the Newcana block and has drill indicated and inferred 291,000 tons of 0.837 OPT Au and 2.56 OPT Ag.

The above gold-silver discoveries are structurally controlled, epithermal-mesothermal veins occuring in areas of syenodiorite intrusions and associated with areas of intense sericite (quartz-pyrite) alteration.

During June to August 1987, Bighorn Development Corporation conducted an exploration program consisting of rock geochemistry, prospecting, trenching and silt sampling on the Corey Claims. Rock samples were analyzed as follows: 386 gold, 386 silver, 15 copper, 20 lead, 22 zinc, 1 nickel, 1 arsenic, 1 platinum, and 1 palladium. Analysis for silts were: 255 gold, 255 silver, 1 copper, 1 lead, 1 zinc, 1 nickel, 1 cobalt, and 1 mercury.

The program indicated anomalous gold and silver values in the rock and silt geochemical survey in several new areas and substantiated anomalous values encountered in the 1986 work program. Geochemical analysis returned values of up to 3.534 ounces per ton gold and 19.75 ounces per ton silver in rocks and 0.038 ounces per ton gold in silts.

The program identified a long alteration zone consisting of sericite schist and pyrite extending northwest - southeast for approximately 4 miles across the Corey Claims. Within this zone is the C-10 mineral showing; an area of sericite schist, pyrite and a weak quartz stockwork with associated sphalerite *A large area of plus 1000 ppb gold is indicated for this showing.*

In addition, flat lying siderite, pyrite, sphalerite, galena and arsenopyrite veins, lenses, pods and stringers are found along the east edge of the above alteration zone.

The source of a coarse native gold bearing boulder has not been located. This boulder is probably related to the above flat lying system as it consisted of siderite and massive pyrite.

The presence of favourable geology, geochemistry and gold discoveries on the adjacent ground to the east make the Corey Claims an excellent exploration area. An exploration program involving prospecting, geological mapping, trenching and drilling are recommended for the property. This program is estimated to cost $500,000.

INTRODUCTION

During June to August 1987, Bighorn Development Corporation conducted a rock and silt geochemical survey and prospecting over the Corey Claims.

This report was prepared on data accumulated during June to August 1987 as well as information from the Newcana Joint Venture and Catear Resources Ltd.'s activities to the east on the Goldwedge claim.

The work was conducted by E.R. Kruchkowski Consulting Ltd. personnel.

All analyses were performed by Loring Laboratories Ltd. of Calgary, Alberta.

Location and Access

The property is located on Mount Madge, 16 km west of Brucejack Lake and approximately 70 km north-northwest of Stewart, B.C. The Mount Madge area is 56° 27' north latitude, 130° 25' west longitude on NTS sheet 104B/8 west. Access to the property at the present time is by helicopter from Stewart. Access for mobilization is probably best done by helicopter from the Tide Lake airstrip which is approximately a 20 minute trip into the Mount Madge area. The Catear camp, 12 miles east, was used as a base for much of the materials being mobilized to the job site. Figure 1 shows the property location.

Physiography and Topography

The area of the Corey Claims encompasses steep mountain slopes typical of the Coast Range region of British Columbia. Ice caps and small glaciers occupy high mountain valleys, tributary to the main valleys.

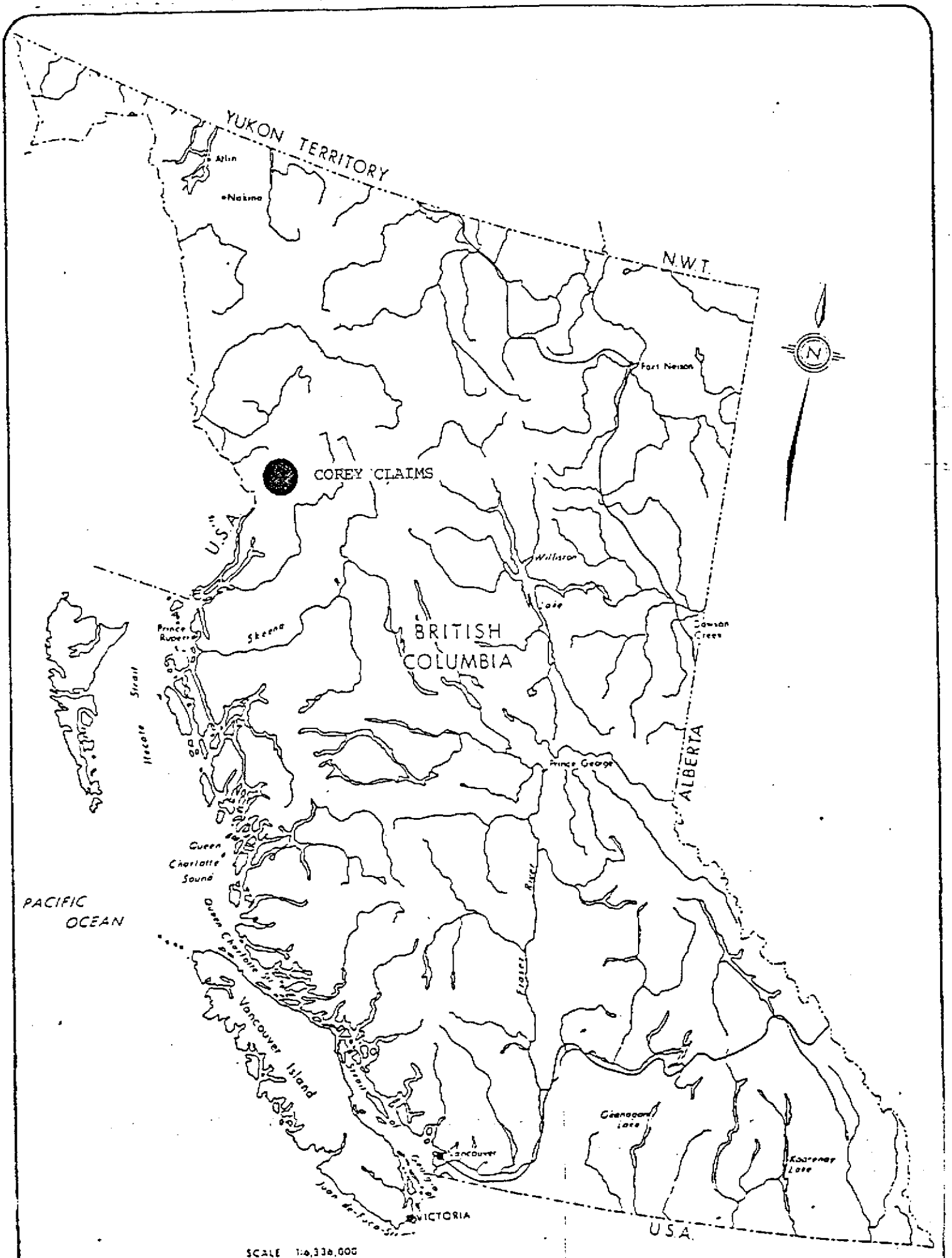


Figure 1. Location Map Fig. 1
BRITISH COLUMIA

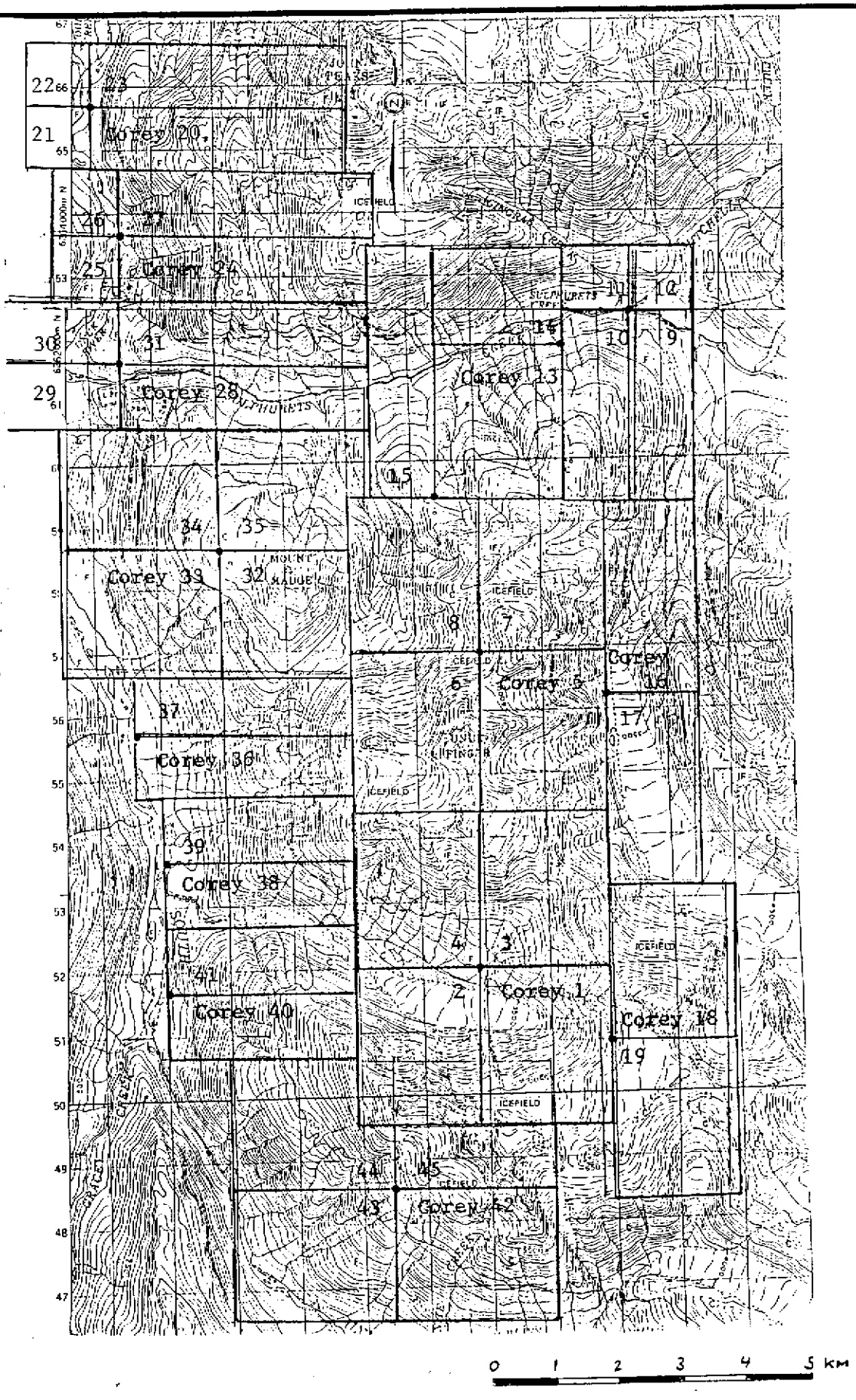
Elevation within the property range from 700 feet along Sulphurets Creek and South Unuk River to 7750 feet on Unuk Finger Mountain.

Most of the ground is outcrop or talus cover with little vegetation cover. Permanent snow occupies depressions and gulleys while small streams are numerous. Glaciers occupy the immediate slopes and valleys around Unuk Finger Mountain. Lower elevations are densely timbered with spruce. Undergrowths of devils club and alders are common.

Property Ownership

The property consists of 680 units within 45 separate claim blocks as follows: (Figure 2)

NAME	RECORD NO.	DATE OF RECORDING
Corey 1	5405	June 25, 1986
Corey 2	5406	
Corey 3	5407	
Corey 4	5408	
Corey 5	5409	
Corey 6	5410	
Corey 7	5411	
Corey 8	5412	June 25, 1986
Corey 9	5874	February 11, 1987
Corey 10	5875	
Corey 11	5876	
Corey 12	5877	
Corey 13	5878	
Corey 14	5879	
Corey 15	5880	
Corey 16	5881	
Corey 17	5882	
Corey 18	5883	
Corey 19	5884	
Corey 20	5885	
Corey 21	5886	
Corey 22	5887	
Corey 23	5888	
Corey 24	5889	
Corey 25	5890	February 11, 1987



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BIGHORN DEVELOPMENT CORPORATION COREY CLAIMS	CLAIM MAP
SKEENA MINING DIVISION NTS 104B/8 & 9	FIGURE 2

NAME	RECORD NO.	DATE OF RECORDING
Corey 26	5891	February 11, 1987
Corey 27	5892	
Corey 28	5893	
Corey 29	5894	
Corey 30	5895	
Corey 31	5896	
Corey 32	5897	
Corey 33	5898	
Corey 34	5899	
Corey 35	5900	
Corey 36	5901	
Corey 37	5902	
Corey 38	5903	
Corey 39	5904	
Corey 40	5905	
Corey 41	5906	
Corey 42	5907	
Corey 43	5908	
Corey 44	5909	
Corey 45	5910	February 11, 1987

Bighorn Development Corporation holds a 30% working interest in the property.

Personnel and Operations

Personnel involved in the 1987 Program on the Corey Claims were as follows:

E.R. Kruchkowski Consulting Ltd.

E.R. Kruchkowski, Geologist
June 28 - August 25, 1987 — 3 days

E. Horne, Geologist
June 28 - August 25, 1987 — 25 days

K. Konkin, Geologist
June 28 - August 25, 1987 — 31 days

G. Sinden, Geotechnologist
June 28 - August 25, 1987 — 31 days

H. Christenson, prospector
June 28 - August 25, 1987 — 30 days

D. Lund, assistant
June 28 - August 25, 1987 — 22 days

D. Marlatt, assistant
June 28 - August 25, 1987 — 10 days

S. Stannus, prospector
June 28 - August 25, 1987 — 17 days

J. Campbell, blaster
June 28 - August 25, 1987 11 days

Personnel involved in the project were accommodated in a tent camp located on the Corey 32 claim block and at Catear Resources Ltd. Goldwedge property. A Vancouver Island Bell 206 Jet Ranger was utilized for transportation to and from the project area. Supplies for the program were purchased in Stewart and Terrace, British Columbia.

Previous Work

The first discovery of minerals in the Unuk River area is credited to a prospector named O'Hara who is said to have come out of the Unuk in 1893 with placer gold. A chronology of the precious metals exploration in the Mount Madge Unuk River area is as follows:

1898 - H.W. Ketchum staked an area situated on the Mount Madge ridge - slope to the south side of Sulphurets Creek about 2 miles from its mouth.

1900 - H.W. Ketchum sold his claims to the Unuk River Mining and Dredging Company who then carried out some development work, including driving two short adits. Attempts to transport machinery failed and operations ceased.

1932 - a prospecting expedition into the Ketchum Creek area, was undertaken by T.S. MacKay, A.H. Melville, and W.A. Prout representing a syndicate of Premier, British Columbia interests. This resulted in the discovery of a wide area of mineralization in which gold values occur.

1933 - further exploration of these discoveries was undertaken by the MacKay
1935 Syndicate and by the Premier Gold Mining Company.

1935 - a representative sample taken from a dump of about 15 tons at the portal of the Mount Madge adit assayed: gold, 0.26 oz/ton; silver 2.4 oz/ton; copper, 0.3 percent; lead 3 percent; zinc 10 percent.

1980 - Dupont undertook regional geochemical work in the Mount Madge area. Geochemical samples taken from the area draining west were anomalous in gold.

1980 - E & B Explorations Ltd. conducted some prospecting on its Sulphurets claims. Nothing of value was found.

1983 - the E & B Explorations Ltd. claims were optioned out to Teuton Resources Corp.

1986 - Teuton Resources Corp. allowed these claims to lapse. The Issuer in joint venture with a private Calgary company staked 8 claims totalling 9,880 acres (4,000 hectares) in the Mount Madge area and 10 claims totalling 12,350 acres (5,000 hectares) in the Treaty Creek area.

In the area to the south of Mount Madge, near the South Unuk River, Silver Princess Resources Inc. and Magna Ventures Ltd. commenced a drilling program. Results document two significant intersections: One drill hole intersects 17.7 feet of 0.728 oz/ton gold and another intersects 14.6 feet of 0.701 oz/ton gold. As a result of this drilling, a very strong structure over a strike length of 1,200 feet and to depths of 440 feet was identified. Based on these excellent results, Silver Princess and Magna Ventures announced an underground program.

1986 - Catear Resources Ltd. undertook a silt sampling, prospecting and rock geochemistry program on the Mount Madge project area.

1987 - A program of silt sampling, prospecting, trenching and detailed rock geochemistry was conducted on the Corey Claims during June - August by E.R. Kruchkowski personnel on behalf of Bighorn Development Corporation. At this time, Gordon Sinden located the area of mineralization now known as the C-10.

GEOLOGICAL SURVEYS

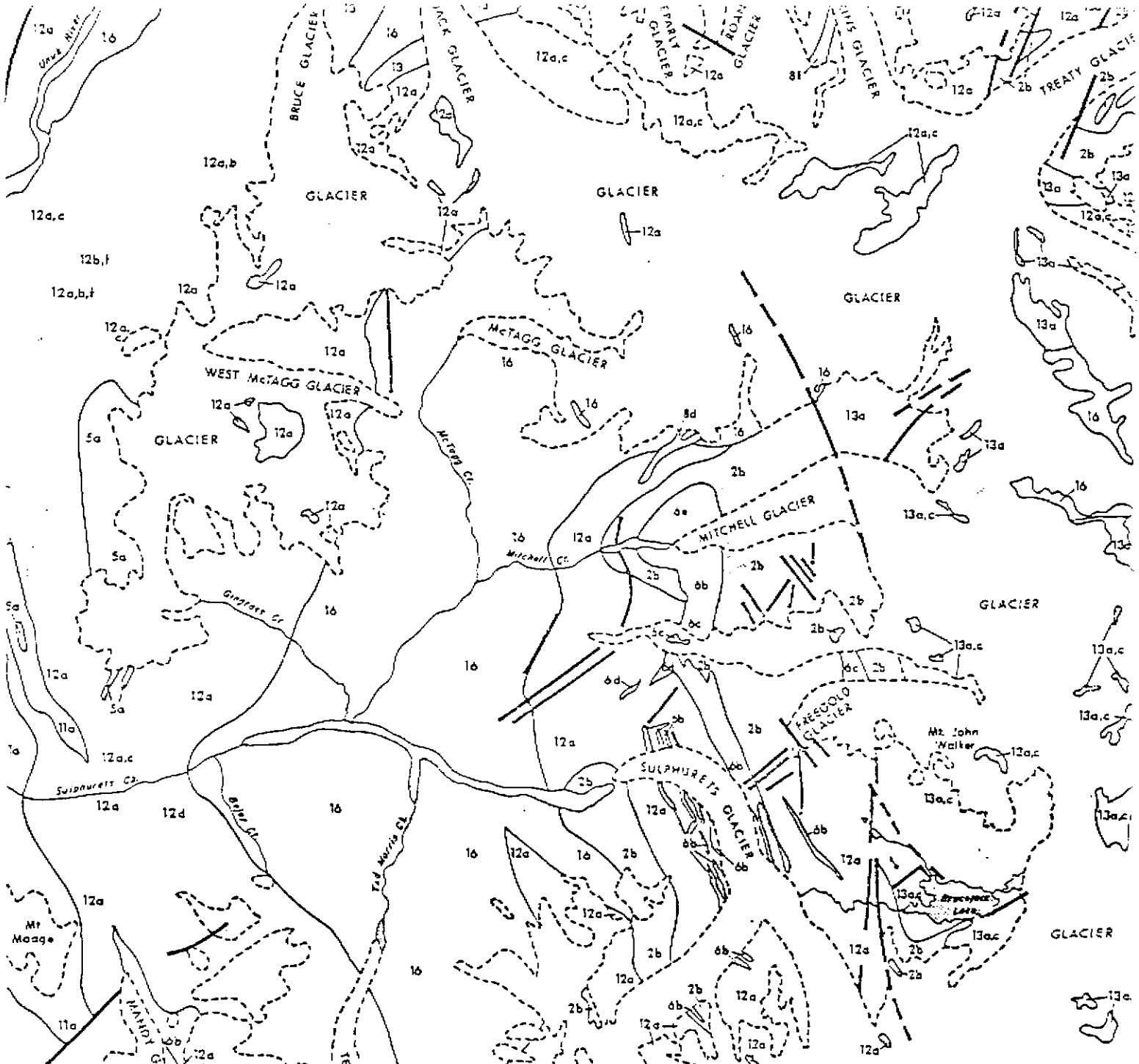
Regional Geology

The Corey Claims lie in the Stewart area along the east edge of the Coast Crystalline Complex and near the western boundary of the Bowser Basin. Rocks in the area belong to the Mesozoic Hazelton Group and have been intruded by plugs of both Cenozoic and Mesozoic age. (Figure 3)

At the base of the Hazelton Group is the Lower Jurassic marine (submergent) and non-marine (emergent) volcaniclastic Unuk River Formation. This is overlain at steep discordant angles by a second, lithologically very similar, Middle Jurassic volcanic cycle (the Betty Creek Formation), in turn overlain by Middle and Upper Jurassic non-marine and marine sediments (with minor volcanics) of the Salmon River and Nass Formations.

The oldest rocks in the area belong to the Lower Jurassic Unuk River Formation which forms a north-northwestly trending belt extending from Alice Arm to the Iskut River. It consists of green, red and purple volcanic breccia, volcanic conglomerate, sandstone and siltstone with minor crystal and lithic tuff, limestone, chert and coal. Also included in the sequence are pillow lavas and volcanic flows.

In the property area the Unuk River Formation is unconformably overlain by Lower Middle and Middle Jurassic rocks from the Betty Creek and Salmon River Formations, respectively. The Betty Creek Formation is another cycle of trough-filling submarine pillow lavas, broken pillow breccias, andesitic and basaltic flows, green, red, purple and black volcanic breccia, with self erosional conglomerate, sandstone and siltstone, and minor crystal and lithic tuffs, chert, limestone and lava. The overlying Salmon River Formation is a late to post volcanic episode of banded, predominently dark coloured,



LEGEND

JURASSIC - METAMORPHIC
- 2b Phyllite, Semi-Schist, Schist

JURASSIC - PLUTONIC
- 6b Diorite
- 6c Syenodiorite
- 6d Monzonite
- 6e Alaskite

EOCENE - PLUTONIC
- 8b Granodiorite

LOWER JURASSIC - UNUK RIV. FORM.
- 11a Pillow Lava
- 12a Green, Red & Purple Volcanic Breccia, Conglomerate, Sandstone & Siltstone
- 12b Crystal & Lithic Tuff
- 12c Sandstone
- 12d Conglomerate
- 12f Chert

MIDDLE JURASSIC - BETTY CRK. FO
- 13a Green, Red & Purple Volcanic Br... Conglomerate, Sandstone & Silt
- 13c Siltstone

MIDDLE JURASSIC - SALMON RIV. F
- 16 Siltstone, Greywacke, Sandston... some Calcarenite, minor Lime... Argillite, Conglomerate, Litter... deposits

GLACIER

FAULT (DEFINED, APPR...

BIGHORN DEVELOPMENT CORPORATIO...

Figure 3

REGIONAL GEOLOGY
SULPHURETS AREA, STEWART B.C.

SOURCE: E.W. GROVE - AUGUST 1982

0 10K

siltstone, greywacke, sandstone, intercalated calcarenite, minor limestone, argillite, conglomerate, littoral deposits, volcanic sediments and minor flows.

According to E.W. Grove, the majority of the rocks from the Hazelton Group were derived from the erosion of andesitic volcanoes subsequently deposited as overlapping lenticular beds varying laterally in grain size from breccia to siltsone.

There are various intrusives in the area. The granodiorites of the Coast Plutonic Complex largely engulf the Mesozoic volcanic terrain to the west. East of these (in the property area), smaller intrusive plugs range from quartz monzonite to granite to highly felsic; some are, likely, related late phase offshoots of the Coast plutonism, others are synvolcanic or tertiary.

Double plunging, northwesterly-trending synclinal folds of the Salmon River and underlying Betty Creek Formations dominate the structural setting of the area. These folds are locally disrupted by small east-overthrusts (Tippy Lake, Knipple Lake) on strikes parallel to the major fold axis, cross-axis steep wrench faults which locally turn beds, selective tectonization of tuff units, and major northwest faults which turn beds.

Local Geology

The Corey Claims are underlain by rocks of the Hazelton Group. Volcanic sediments, volcanic flows and sedimentary units of the Unuk River and Salmon River formations are encountered on the property. This is according to maps by E.W. Groves entitled Geology of Unuk River - Salmon River-Anyox Area. The majority of the property overlies the Unuk River formation. The formation

is composed of green, red and purple volcanic breccia, conglomerate, sandstone, siltstone, limestone and pillow lava. The limestone is confined to small lenses in the southwest section of the property. Pillow lava occurs over an area extending north from Mount Madge to Two John Peaks. An outcropping of "diorite" occurs within the pillow lava sequence near Mount Madge. A linear syneo-diorite intrusive is centered on Unuk Finger Mountain, a thick south-easterly trending sequence of granodiorite related to the Coast Range Batholith from Unuk Finger Mountain to the Frankmackie Icefield.

Reconnaissance mapping by the field crew indicated that the area of the Corey 6 and 8 claims were underlain by green clastic volcanics variably altered to sericite and chlorite schists in a few locations. These schists are present along the east slopes of Mount Madge and along the lower west slopes of a ridge immediately east of Mount Madge. The schists are pale grey to green and contain abundant pyrite with local areas containing up to 30% quartz veinlets. These zones appear as bright yellow to dull orange gossan zones.

On the C-10 rock geochemical grid, a tuffaceous volcanic has been highly altered to a sericite schist containing up to 30% quartz veinlets with occasional thicker quartz lenses. Abundant pyrite forms up to 10% of the rock with minor fine spalerite. A small creek in the area contains coarse float boulders coated with possibly hydrozincite and/or copper carbonates. The area of the C-10 showings is part of a pyritic sericite schist alteration zone extending up to 4 miles in length in a northwest-southeast direction. The zone varies from one-half to one mile in width. It consists of primarily pyrite-sericite schist where exposed at mountain or ridge tops. As the zone is followed down hill or exposed at lower elevations, a definite increase in silica is encountered. The zone becomes cherty along the lower slopes of

Mount Madge on the flank of Unuk Finger Mountain. Eventually definite quartz veinlets and stockworks are exposed at the lowest exposures, such as the C-10 area.

Along the east edge of the above alteration zone and extending up to a half-mile away, numerous flat-lying siderite, chalcopyrite, pyrite, sphalerite, galena and arsenopyrite bearing stringers, pods, and lenses were indicated. These zones extended up to several hundred feet in strike length and varied from a few inches up to several feet in thickness. Figures 9-11 show the area of these mineralized stringers.

In the area of the Corey 6 claim, a coarse grained black gabbro plug has been identified. This intrusive corresponds with the one identified by E.W. Grove as a syenodiorite plug. The gabbro contains 2.5% coarse pyrite and pyrrhotite with occasional fine chalcopyrite.

Massive pyrrhotite and chalcopyrite float boulders generally several inches in diameter have been found along the slopes of Mount Madge. These are probably related to the gabbro in the Unuk Finger Mountain area.

In the northeast corner of the Corey 8 claim, large quartz vein zones have been identified across widths of up to 10 meters. These veins are barren of sulphides and do not appear to be of significant economic importance. However, these are located in an area in which prospecting by Granduc crews in the 1960's reportedly located high gold values in quartz veins along a creek bed. These gold values may also be related to the numerous flat-lying sulphide bearing zones located.

In the area of Corey 7 a siderite-massive pyrite rich float boulder 5 inches in diameter with visible gold was found in a creek bed along the west slope of Unuk Finger Mountain.

Prospecting revealed at higher elevations, to the east of the gold boulder, several quartz-carbonate veins that may be the source. They are siderite rich with minor pyrite, chalcopyrite, arsenopyrite and trace tetrahedrite with gold values up to 3.534 ounces per ton gold.

Economic Geology

In the Sulphurets area, gold mineralization appears to be of the epithermal vein-type, structurally controlled and usually in volcanic rocks. The veins consist of quartz and carbonate, with up to 20 percent sulphides. They range from simple to complex vein zones and stockwork. Pyrite, sphalerite, galena, tetrehedrite, arsenopyrite, electrum, pyrargyrite, barite and siderite have been identified in these vein systems.

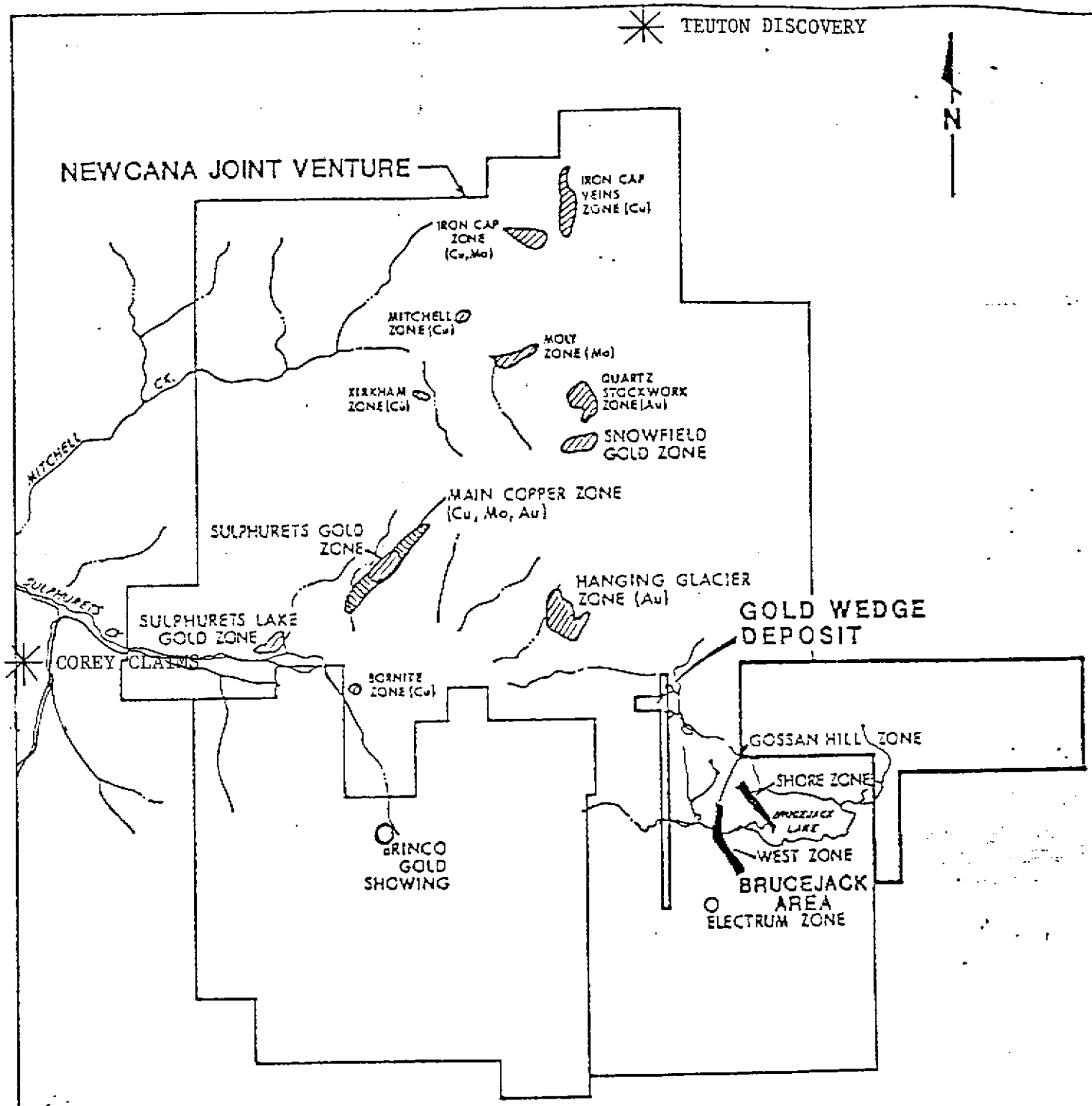
The mineralization appears along early fault zones which trend norhtwesterly and are cut by the later north trending fault zones.

The Newcana Joint Venture has announced ore reserves for their property as follows:

ZONE	CATEGORY	TONS	AU OZ/T	AG OZ/T
West	Proven	300,151	0.516	28.28
	Probable	324,500	0.496	12.67
	Inferred	879,837	0.506	20.17
Total West Zone		1,504,488	0.506	20.17
Shore	Inferred	539,776	0.263	27.23
Gossan Hill	Inferred	27,639	1.940	3.51

Catear Resources Ltd. has announced ore reserves for their Goldwedge Property. The reserves are based on 1986 and 1987 diamond drilling programs.

ZONE	CATEGORY	TONS	AU OZ/T	AG OZ/T
Golden	Drill Indicated	146,437	0.837	2.56
Rocket	Drill	145,479	0.837	2.56
TOTAL	Indicated	291,916	0.837	2.56



BIGHORN DEVELOPMENT CORPORATION

SULPHURETS PROJECT MINERAL ZONES

GOLD SHOWINGS AND DEPOSITS

Scale:

Date: June 1988

Figure: 4

GEOCHEMICAL SURVEYS

Rock Geochemistry

A total of 386 rock geochemical samples were collected from the Corey claims during June - August 1987. The samples obtained were generally 3-4 pounds of unweathered material. They were selected on the basis of mineralization or alteration. A complete description of the samples collected are in Appendix I.

The samples were shipped to Loring Laboratories Ltd. of Calgary, Alberta where they were crushed, split and ground to a -80 mesh. The samples were then analyzed using standard geochemical methods.

Results of the program indicate anomalous gold and silver values in the survey area. The sample sites are shown on Figure 5 to Figure 11.

The samples were statistically treated and plotted on cumulative frequency graph paper. The lower or normal distribution values which plot as a straight line were used to determine background and anomalous values. Based on the plots in Appendix III the anomalous and background values are as follows:

Metal	Background	Anomalous
Gold	30 ppb	105 ppb
Silver	1.0 ppm	2.6 ppm

Using the above threshold number, weakly anomalous values were considered as 1-2 times threshold, moderately anomalous as 2-3 times threshold and strongly anomalous as greater than 3 times threshold. As a result, the rock geochemical program indicates numerous gold and silver anomalies ranging from weak to strong in the Corey 7 and 8 claims. These claims are underlain by the large alteration zone with associated gold values.

Another area of numerous gold and silver anomalies are found on the Corey 32 and to a lesser degree Corey 35. The only other anomalous area is within Corey 3, 5, 6 and 36 claim blocks.

In comparison to the 1974 - 1976 Granduc Surveys on their Sulphurets property; the Bighorn results were remarkably similar in terms of background and anomalous values for gold and silver in rocks. The Granduc survey indicated that results over 1 ppm silver and 100 ppb gold were anomalous for 1265 samples compared to 2.6 ppm silver and 105 ppb gold for the Bighorn survey.

Silt Geochemistry

A total of 255 silt samples were collected during the course of the rock geochemical program. These samples were collected and placed in numbered Kraft Sample Bags and subsequently shipped to Loring Laboratories Ltd. of Calgary, Alberta. They were dried, crushed, split and ground to a -80 mesh. The samples were then analyzed using standard geochemical methods for Au and Ag. Sample S1A was collected in a small creek containing a hydrozincite or copper carbonate coating on float boulders within the immediate area of drainage. The sample was analyzed for gold, silver, copper, lead, zinc, nickel, cobalt and mercury.

The results are plotted on cumulative frequency graph paper with the straight line plot considered the normal distribution. Using these plots indicates the following background and threshold volumes:

Metal	Background	Threshold
Gold	15 ppb	80 ppb
Silver	0.3 ppm	1.7 ppm

Using the above threshold number, weakly anomalous values were considered as 1-2 times threshold, moderately anomalous as 2-3 times threshold and strongly anomalous as greater than 3 times threshold.

The silt sampling program basically highlighted the mineralization in the area of the C-10 grid. Numerous highly anomalous gold and anomalous silver were detected on Corey 8. Anomalous values were also obtained in Corey 32 which is just east of Corey 8.

Corey 37 had interesting gold anomalies near some gossans at the top of some creeks draining the mountain pass between Mt. Madge and Unuk Finger Mountain.

In addition another area worthy of follow-up is the junction of Corey 4, Corey 1 and Corey 16 which had highly anomalous values over a gossaned area. This is near the contact of the Le Brant Batholith with Unuk River volcanics.

It is recommended that all areas of anomalous golds in rocks and silts be investigated by further sampling.

CONCLUSIONS

1. The Corey Claims are underlain by the Unuk River Formation rocks consisting of andesitic volcanics and intruded by granitic rocks.

2. The area of the Corey Claims is due west and adjacent to the bonanza gold-silver discoveries at Brucejack Lake by both the Newcana Joint Venture and Catear Resources Ltd. The Newcana Joint Venture has announced the following results:

ZONE	CATEGORY	TONS	AU OZ/T	AG OZ/T
West	Proven	300,151	0.516	28.28
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Catear conducted diamond drilling on its Goldwedge property within the Newcana block and has drill indicated and inferred 291,000 tons of 0.837 OPT Au and 2.56 OPT Ag.

The above gold-silver discoveries are structurally controlled, epithermal-mesothermal veins occuring in areas of syenodiorite intrusions and associated with areas of intense sericite (quartz-pyrite) alteration.

3. A rock and silt geochemical program has indicated anomalous gold and silver values on various areas of the claim block. Geochemical analysis returned values of up to 3.534 ounces per ton gold and 19.75 ounces per ton silver in rocks and 0.038 ounces per ton gold in silts.

4. Most of the geochemical anomalies are related to a pyrite sericite

schist zone extending northwest-southeast across the Corey 32, 8 and 7 claims.

5. A grid over the C-10 showing indicated large areas of plus 1000 ppb gold associated with quartz stockworks in sericite schist carrying sphalerite.

6. A further program of prospecting, gridding, geochemical surveys, geological mapping and drilling is recommended for the property.

RECOMMENDATIONS

Prospecting

All structural features on the property should be carefully prospected in order to evaluate the mineral potential. As well, all gossaned zones should be checked for all minerals associated with the gold in the Sulphurets area, particularly arsenopyrite, tetrahedrite, galena and sphalerite.

Geological Mapping

The property should be further evaluated in order to define potential host rocks for epithermal deposits. A grid is recommended over the south schist unit for survey and sample control.

Geochemical Surveys

Further rock geochemistry is recommended, particularly sericitic schist zones to the north of Unuk Finger Mountain and in the C10 grid area. Tight spaced stream sediment sampling should be used to follow up on all newly discovered anomalous creeks and creeks left unsampled in the 1987 program.

Drilling

A diamond drill program of 2000 - 3000 feet should be conducted in the C10 grid area.

STATEMENT OF EXPENDITURES

Supervision and Wages

The personnel used, number of days worked, and daily rates were as follows:

Total Corey Groups of Claims from June 28th to August 25th (August 1st - 14th on other claims)

Personnel	Title	Daily Rate	Days Worked	Cost
E. Kruchkowski	Geologist	300.00	3	900.00
E. Horne	Geologist	250.00	25	6,250.00
K. Konkin	Geologist	150.00	31	4,650.00
G. Sinden	Geotechnologist	120.00	31	3,720.00
S. Stannus	Prospector	125.00	17	2,125.00
J. Campbell	Prospector	125.00	11	1,375.00
D. Lund	Assistant	90.00	22	1,980.00
D. Marlatt	Assistant	80.00	10	800.00
H. Christiansen	Prospector	120.00	30	3,600.00
			180	25,400.00
Consulting Overhead 10%				2,540.00
				27,940.00

Transportation and Supplies

Calgary-Stewart Return Airfare (50% charged to Treaty Claims) E. Kruchkowski, G. Sinden, E. Horne, H. Christiansen at 50% of full fare $2,760.00	1,380.00
Vancouver-Stewart Return Airfare S. Stannus, Ken Konkin, D. Marlatt, D. Lund at 50% of full fare $1,960.00	980.00
Camp Rental 180 mandays at $25.00	4,500.00
Generator Rental 31 days at $10.00	310.00
Cobra Drill Rental 31 days at $50.00	1,550.00
Explosives	1,000.00
Building Supplies 2x4 lumber for tent frames	200.00

Consumables					
Groceries					6,972.00
Sample bags/tags/flagging tape/paint					240.00
Fuel (oil stove/gasoline/lubricants)					1,220.29
Cost includes transportation from Stewart to Tide Lake Airstrip and Brucejack Camp					
Helicopter Rental (206B Jet Ranger)					
33.6 hours at $502.75/hour fueled					
Mobilization/Demobilization Camps, Crews & Supplies					
5.3 hours			2,664.58		
Field Crew Support & Transportation as Follows:					
Claim Group	No. of Units	Hours			
Corey 41	92	4.3	2,161.83		
Corey 34	92	6.4	3,217.60		
Corey 22	96	5.2	2,564.00		
Corey 19	88	5.2	2,614.30		
Corey 6	96	1.2	603.30		
Corey 45	92	4.1	2,061.28		
Corey 10	32	2.0	1,005.50	14,227.81	16,892.39
Laboratory Supplies					
257 Silt Samples at $11.25					2,891.25
488 Rock Geochemical Samples at $10.72					5,246.00
32 Gold Assays at $7.50					240.00
15 Silver Assays at $7.50					112.50
Miscellaneous Other					250.00
Report Preparation and Drafting					6,000.00
Total Expenditures					$77,924.43

Claim Group	Number of Units	% of Work to be Applied	Cost of Work to be Applied
Corey 34, 33, 37, 36, 39, 38	92	15.646	$12,192.05
Corey 22, 23, 21, 20, 26, 27, 25, 24, 30,	96	16.327	12,722.73
Corey 19, 18, 17, 16, 9	92	15.646	12,192.05
Corey 45, 42, 43, 44, 40	32	5.442	4,240.65
Corey 10, 11, 12, 14	88	14.966	11,662.17
Corey 41, 2, 1, 4, 3	92	15.646	12,192.05
Corey 6, 5, 7, 13, 15	96	16.327	12,722.73
Total	588 units	100%	$77,924.43

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Brucejack Lake Area - Skeena Mining Division

Stockwatch News Releases - November 12, 1986

Unpublished Drill Data - Catear Resources Ltd.

CERTIFICATE

I, EDWARD R. KRUCHKOWSKI, Geologist, residing at 23 Templeside Bay, N.E., in the City of Calgary, in the Province of Alberta, hereby certify that:

1. I received a Bachelor of Science degree in Geology from the University of Alberta in 1972 and have been practising my profession continuously since graduation.

2. I am a member of the Association of Professional Engineers, Geologists and Geophysicists of Alberta.

3. I am a consulting geologist working on behalf of Bighorn Development Corporation.

4. This report is based on a review of reports, documents, maps and other technical data on the property and on my experience and knowledge of the area obtained during programs in 1974 - 1987.

5. I have no direct interest in the Project, but I am a major shareholder in each of the farmors of the property.

May 9/88

Date

E.R. Kruchkowski, B.Sc.

CERTIFICATE

I, GORDON W. SINDEN, currently residing at 2607 - 123, 10th Avenue S.W., Calgary, Alberta T2R 1K8, hereby certify that:

1. I am a geological technologist and have practiced my profession since 1977.

2. I am a graduate of the Northern Alberta Institute of Technology (1977) in Mineral Resources Technology.

3. I am a Registered Engineering Technologist with the Alberta Society of Engineering Technologists.

4. This report is based on a review of reports, documents, maps and other technical data on the property area and my own experience and knowledge of the area obtained during programs in 1982 - 1987.

5. I visited the Corey Claims from June 28 to August 25 and carried out the work described in this report.

May 9, 1988
Date

Gordon Sinden
Gordon W. Sinden, R.E.T.

APPENDIX I

ANALYTICAL INFORMATION

Laboratory: Loring Laboratories Ltd.
Calgary, Alberta

Mesh Size: -80/stream sediments
-80/rocks

Extraction: For Cu: $HNO_3/HClO_4$ to dryness taken up in HCl

For Pb/Zn: Nitric-perchloric dissolution to dryness, taken up in HCl

For Au/Ag: Fire assay fusion, cupellation and acid dissolution of precious metal beads.

Analysis: Atomic absorption

APPENDIX II

Geochemical Analysis

To: BIG HORN DEVELOPMENT CORP
#400, 255 - 17th Avenue S.W.,
Calgary, Alberta T2S 2T8
Attn: Jack Wyder

File No. 29343-1
Date February 4, 1987
Samples Rock

Certificate of ASSAY

LORING LABORATORIES LTD.

SAMPLE No.	OZ./TON PLATINUM	OZ./TON PALLADIUM	% Cu	% Ni
"Assay Analysis"				
Between C-11 and C-12(B)	Trace	Trace	3.43	.01
	COREY 32			

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES . . . .

Rejects Retained one month.

Pulps Retained one month unless specific arrangements made in advance.

Assayer

To: BIG HORN DEVELOPMENT CORPORATION
400, 255 - 17th Avenue S.W.
Calgary, Alberta - T2S 2T8
Attn: Mr. Ed. Kruchkowski

File No. 29982
Date July 9th, 1987
Samples Rock & Silt

Certificate of ASSAY

LORING LABORATORIES LTD.

SAMPLE No.	Au oz/ton	Ag oz/ton	
ASSAYS			
Rocks			
18001	.126	4.94	↑
18002	.064	9.79	CROWN GRANTS
18007	-	102.15	
18008	-	1.58	↓
SILT			
CG-01	-	1.78	CROWN GRANTS
CG-02	-	2.47	↓
C-39-GS-1	.038	-	COREY 39
T-7-04	.106	-	OTHER

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES . . . .

Rejects Retained one month.

Pulps Retained one month unless specific arrangements made in advance.

D. Enkes

Assayer

To: BIG HORN DEVELOPMENT CORPORATION
400, 255 - 17th Avenue S.W.
Calgary, Alberta - T2S 2T8
Attn: Mr. Ed. Kruchkowski

File No. 29982
Date July 9th,1987
Samples Rock

Certificate of ASSAY

LORING LABORATORIES LTD.

SAMPLE No.	Au ppb	Ag ppm	
GEOCHEMICAL ANALYSES			
18001	+1000	+ 30	CROWN GRANTS
18002	+1000	+ 30	
18003	830	24.3	
18004	270	5.3	
18005	30	2.1	
18006	10	5.4	
18007	25	+ 30	
18008	10	+ 30	COREY 39
18009	Nil	20.0	
18010	5	2.8	
18011	15	3.1	COREY 36
18012	20	1.6	COREY 37
18013	10	1.2	
18014	15	4.9	OTHER
18015	15	6.1	
18016	30	2.1	
18017	35	16.3	
18018	25	.9	
18019	20	.5	

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES . . . .

Rejects Retained one month.

Pulps Retained one month unless specific arrangements made in advance.

D. Grelus

Assayer

To: BIG HORN DEVELOPMENT CORPORATION
#400, 255 - 17th Avenue S.W.
Calgary, Alberta - T2S 2T8
Attn: Mr. Ed. Kruchkowski

File No. 29982
Date July 9th, 1987
Samples Silt

Certificate of ASSAY

LORING LABORATORIES LTD.

SAMPLE No.	Au ppb	Ag ppm	
GEOCHEMICAL ANALYSES			
CG-01	25	+ 30	CROWN GRANTS
CG-02	15	+ 30	
CGS-03	20	2.0	
CG-04	15	.6	
CG-05	105	.9	
CG-06	50	.6	
CG-07	30	.7	
CG-08	25	6.2	
C-36-1	85	.5	COREY 36
C-38-GS-2	90	.6	COREY 39
C-38-GS-3	130	.5	
C-38-GS-4	50	.3	
C-39-GS-1	+1000	1.5	
S2-1	35	2.0	OTHER
S2-2	Nil	1.0	
S2-3	Nil	.6	
S3-01	Nil	.6	
S3-02	Nil	.4	
S3-03	Nil	.3	

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES . . . .

Rejects Retained one month.

Pulps Retained one month unless specific arrangements made in advance.

D. Enclus

Assayer

To: BIG HORN DEVELOPMENT CORP.,
400, 255 - 17th Avenue S.W.,
Calgary, Alberta T2S 2T8
ATTN: Jack Wyder
cc: E. Kruchkowski

File No. 30145
Date August 21, 1987
Samples Silt & Rock

Certificate of ASSAY

LORING LABORATORIES LTD.

SAMPLE No.	OZ./TON GOLD		OZ./TON SILVER	% Cu
"Silt & Rock" "Assays"				
Silt MS-02	.029	COREY 8	-	-
SS-S-3	.030	↓	-	-
S1-A	.032	COREY 32	-	.51
GS-25	-	COREY 8	1.04	-
GS-37	.178	COREY 36	1.80	-
KK-20	-	CROWN GRANTS	2.40	-
KK-41	.048	C-10 GRID - COREY-32		-
KK-42	.030	↓	-	-
KK-43	.032		-	-
KK-68	.840		-	-

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES . . . .

Rejects Retained one month.

Pulps Retained one month unless specific arrangements made in advance.

Assayer

To: BIG HORN DEVELOPMENT CORP.,
400, 255 - 17th Avenue S.W.,
Calgay, Alberta T2S 2T8
ATTN: Jack Wyder

cc: E. Kruchkowski

File No. 30145
Date August 21, 1987
Samples Silt

Certificate of ASSAY

LORING LABORATORIES LTD.

SAMPLE No.	PPB Au		PPM Ag
"Silt Samples" Geochemical Analysis			
MS-01	330	COREY8	0.8
02	+1000		2.6
03	55		0.9
04	5		2.3
05	NIL		1.5
06	70	COREY 32	1.3
07	5		0.3
08	25		0.7
09	25		0.4
10	210		0.2
ES- 1	20	COREY 32	0.6
2	NIL		0.4
3	5		0.5
4	NIL		1.4
5	NIL		0.3
6	30		0.4
7	NIL		0.3
8	10	COREY 37	2.5
9	10		4.3
GWS 1	15	COREY 36	1.0
2	NIL	COREY 33	2.0
3	20	COREY 32	0.6
4	10		0.8
5	NIL		0.6
6	NIL		0.4
7	15		0.3
SS-S 1	NIL	COREY 8	5.1
2	5		0.6

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES . . . .

Rejects Retained one month.

Pulps Retained one month unless specific arrangements made in advance.

Assayer

To: BIG HORN DEVELOPMENT CORP.,
400, 255 - 17th Avenue S.W.,
Calgary, Alberta T2S 2T8
ATTN: Jack Wyder
cc: E. Kruchkowski

File No. 30145
Date August 21, 1987
Samples Silt

Certificate of ASSAY

LORING LABORATORIES LTD.

SAMPLE No.	PPB Au		PPM Ag
SS-[illegible]3	+1000	COREY 8	1.3
4	100	↓	0.7
5	325		1.5
6	735	COREY 32	1.0
7	275	COREY 8	1.1
8	130		0.8
9	25		0.5
10	520		0.7
11	115		0.6
12	55		0.5
13	75		0.8
14	145		0.7
15	195		1.3
16	450		1.5
17	620		0.9
18	150		0.9
19	680		2.5
20	495	↓	0.7
21	35	COREY 31	0.4
S1-A	+1000	COREY 32 - C-10 GRID	3.0

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES . . . .

Rejects Retained one month.

Pulps Retained one month unless specific arrangements made in advance.

Assayer

To: BIG HORN DEVELOPMENT CORP.,
400, 255 - 17th Avenue S.W.,
Calgary, Alberta T2S 2T8
ATTN: Jack Wyder

cc: E. Kruchkowski

File No. 30145
Date August 21, 1987
Samples Rock

Certificate of ASSAY

LORING LABORATORIES LTD.

SAMPLE No.	PPB Au		PPM Ag
"Rock Samples" Geochemical Analysis			
GS-20	NIL	COREY 8	0.6
21	15		0.8
22	5		0.2
23	NIL		0.5
24	NIL		0.4
25	935		30.0+
26	105		5.3
27	15		7.8
28	145		0.9
29	10		1.0
30	70		2.3
31	25	↓	1.1
32	NIL	COREY 36	0.5
33	20		0.9
34	5		0.3
35	10		0.5
36	NIL		0.4
37	+1000		30.0+
38	NIL		1.9
39	NIL		0.4
40	NIL		0.4
41	NIL		0.5
42	NIL	↓	0.1
43	NIL	COREY 32	0.1
44	5		0.9
45	15	↓	1.0
46	NIL		0.2

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES . . . .

Rejects Retained one month.

Pulps Retained one month unless specific arrangements made in advance.

Assayer

To: BIG HORN DEVELOPMENT CORP.,
400, 255 - 17th Avenue S.W.,
Calgary, Alberta T2S 2T8
ATTN: Jack Wyder
cc: E. Kruchkowski

File No. 30145
Date August 21, 1987
Samples Rock

Certificate of ASSAY

LORING LABORATORIES LTD.

Page # 6

SAMPLE No.	PPB Au		PPM Ag
GS-47	15	COREY 32	0.5
48	25	↓	0.5
KK-17	NIL	CROWN GRANTS	0.9
18	5		0.5
19	NIL		0.3
20	NIL		30.0+
21	NIL	↓	0.4
22	275	COREY 32 - C-10 GRID	3.9
23	230		3.3
24	100		2.1
25	80		0.8
26	175		1.2
27	45		1.2
28	120		0.4
29	680		2.5
30	105		1.3
31	575	↓	2.1
32	NIL	COREY 32 - MT. MADGE	2.4
33	5		0.1
34	135		0.9
35	235		0.6
36	130	↓	0.6
37	840	COREY 32 - C-10 GRID	1.5
38	255		2.1
39	370		0.7
40	195		0.9
41	+1000		2.6
42	+1000		1.2
43	+1000		1.2
44	NIL		NIL
45	5	↓	0.1

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES . . . .

Rejects Retained one month.

Pulps Retained one month unless specific arrangements made in advance.

Assayer

To: BIG HORN DEVELOPMENT CORP.,
400, 255 - 17th Avenue S.W.,
Calgary, Alberta T2S 2T8
ATTN: Jack Wyder

cc: E. Kruchkowski

File No. 30145
Date August 21, 1987
Samples Rock

Certificate of ASSAY

LORING LABORATORIES LTD.

SAMPLE No.	PPB Au		PPM Ag
KK-46	NIL	COREY 32, C-10 GRID	0.4
47	415		1.1
48	10		0.2
49	15		1.1
50	10		0.3
51	NIL		0.3
52	20		0.8
53	10		0.6
54	20		0.5
55	120		3.7
56	145		1.1
57	40		2.1
58	5		2.1
59	40		3.4
60	70		1.0
61	40		0.5
62	260		1.4
63	75		1.0
64	65		1.2
65	105		1.0
66	5		0.4
67	10		0.4
68	+1000		30.0+
69	65		0.6
70	25		0.3
71	300		4.1
72	20	COREY 8	0.2
73	100		0.5
74	30		0.9
75	670		1.6
76	55		0.5

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES . . . .

Rejects Retained one month.

Pulps Retained one month unless specific arrangements made in advance.

Assayer

To: BIG HORN DEVELOPMENT CORP.,
400, 255 - 17th Avenue S.W.,
Calgary, Alberta T2S 2T8
ATTN: Jack Wyder
cc: E. Kruchkowski

File No. 30145
Date August 21, 1987
Samples Rock

Certificate of ASSAY

LORING LABORATORIES LTD.

Page # 8

SAMPLE No.	PPB Au		PPM Ag
KK-77	55	COREY 8	0.6
78	170	"	1.1

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES . . . .

Rejects Retained one month.

Pulps Retained one month unless specific arrangements made in advance.

Assayer

To: B.G HORN DEVELOPMENT CORP.,
400, 255 - 17th Avenue S.W.,
Calgary, Alberta T2S 2T8
ATTN: Jack Wyder
cc: E. Kruchkowski

File No. 30145
Date August 21, 1987
Samples Silt

Certificate of ASSAY

LORING LABORATORIES LTD.

Page # 9

SAMPLE No.	PPM Cu	PPM Pb	PPM Zn	PPM Ni	PPM Co	PPM Sb
"Silt Sample" Geochemical Analysis						
SI-A COREY 8 - C-10 GRID	+1000	122	485	56	246	69

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES . . . .

Rejects Retained one month.
Pulps Retained one month unless specific arrangements made in advance.

Assayer

Mount Madge Project

To: BIG HORN DEVELOPMENT CORP.,
400, 255 - 17th Avenue S.W.,
Calgary, Alberta T2S 2T8
ATTN: Jack Wyder
cc: E. Kruchkowski - Calgary

File No. 30211
Date August 31, 1987
Samples Rock

Certificate of ASSAY

LORING LABORATORIES LTD.

SAMPLE No.	OZ./TON GOLD		OZ./TON SILVER
"Rock Samples" Assay Analysis"			
18101	.160	COREY 32	19.75
18105	.060	↓	-
18123	-	COREY 35	1.64
19401	-	↓	1.62
19411	.084	COREY 7 - GFJ GRID	-
19412	.038	↓	-
19415	.326	↓	-

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES . . . .

Rejects Retained one month.

Pulps Retained one month unless specific arrangements made in advance.

Assayer

To: BIG HORN DEVELOPMENT CORP.,
400, 255 - 17th Avenue S.W.,
Calgary, Alberta T2S 2T8
ATTN: Jack Wyder

cc: E. Kruchkowski - Calgary

File No. 30211
Date August 31, 1987
Samples Rock

Certificate of ASSAY

LORING LABORATORIES LTD.

SAMPLE No.	PPB Au		PPM Ag
"Rock Samples" Geochemical Analysis			
DLR- 0	NIL	COREY 7	0.4
DLR- 1	5	↓	0.4
KK- 79	110	COREY 7/8 - GFJ GRID	0.6
KK- 80	15		11.0
KK- 81	NIL		1.1
KK- 82	NIL		0.5
KK- 83	NIL		0.6
KK- 84	NIL		0.6
KK- 85	80		0.5
KK- 86	10	↓	1.0
GS- 49	260	COREY 6	0.8
SS-R-1	NIL	COREY 37	0.1
SS-R-2	NIL		0.1
SS-R-3	NIL		NIL
SS-R-4	NIL		0.1
SS-R-5	NIL	↓	0.1
SS-R-6	5	COREY 8	0.2
SS-R-7	760	↓	3.6
18101	+1000	COREY 32	30.0+
18102	35		2.9
18103	80		7.1
18104	NIL		0.4
18105	+1000		4.3
18106	30		0.7
18107	20		1.0
18108	NIL		0.7
18109	NIL		0.5
18110	NIL	↓	0.5

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES . . . .

Rejects Retained one month.

Pulps Retained one month unless specific arrangements made in advance.

Assayer

To: BIG HORN DEVELOPMENT CORP.,
400, 255 - 17th Avenue S.W.,
Calgary, Alberta T2S 2T8
ATTN: Jack Wyder
cc: E. Kruchkowski - Calgary

File No. 30211
Date August 31, 1987
Samples Rock

Certificate of ASSAY

LORING LABORATORIES LTD.

SAMPLE No.	PPB Au		PPM Ag
18111	NIL	COREY 37	0.3
18112	NIL	↓	0.7
18113	NIL	COREY 32	0.5
18114	20	COREY 36	0.3
18115	5	↓	0.1
18116	NIL	COREY 32	0.4
18117	15	↓	1.0
18118	40	COREY 33	3.1
18119	60	COREY 32	1.6
18120	25	↓	0.9
18121	30	↓	1.7
18122	NIL	COREY 35	5.1
18123	NIL	↓	30.0+
19401	140	↓	30.0+
19402	365	↓	2.2
19403	610	↓	2.6
19404	185	↓	0.7
19405	5	↓	0.6
19406	280	COREY 32	0.7
19407	25	COREY 7	0.9
19408	40	COREY 10	0.7
19409	150	COREY 7 - GFJ GRID	1.0
19410	95	↓	0.9
19411	+1000	↓	3.5
19412	+1000	↓	3.8
19413	95	↓	2.1
19414	300	↓	1.2
19415	+1000	↓	22.0
19416	120	↓	1.2
19417	20	COREY 24	0.2
19418	NIL	COREY 27	0.4

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES . . . .

Rejects Retained one month.

Pulps Retained one month unless specific arrangements made in advance.

Assayer

To: BIG HORN DEVELOPMENT CORP.,
400, 255 - 17th Avenue S.W.,
Calgary, Alberta T2S 2T8
ATTN: Jack Wyder
cc: E. Kruchkowski - Calgary

File No. 30211
Date August 31, 1987
Samples Rock

Certificate of ASSAY

LORING LABORATORIES LTD.

Page # 4

SAMPLE No.	PPB Au		PPM Ag
19419	NIL	COREY 27	0.1

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES . . . .

Rejects Retained one month.

Pulps Retained one month unless specific arrangements made in advance.

Assayer

To: BIG HORN DEVELOPMENT CORP.,
400, 255 - 17th Avenue S.W.,
Calgary, Alberta T2S 2T8
ATTN: Jack Wyder
cc: E. Kruchkowski - Calgary

File No. 30211
Date August 31, 1987
Samples Rock

Certificate of ASSAY

LORING LABORATORIES LTD.

SAMPLE No.	PPM Pb		PPM Zn
"Rock Samples" Geochemical Analysis			
18101	201	COREY 32	130
18102	9	↓	36
18122	31	COREY 35	466
18123	22	↓	550
19412	29	COREY 7 - GFJ GRID	81
19416	22	↓	87

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES . . . .

Rejects Retained one month.
Pulps Retained one month unless specific arrangements made in advance.

Assayer

To: BIG HORN DEVELOPMENT CORP.,
400, 255 - 17th Avenue S.W.,
Calgary, Alberta T2S 2T8
ATTN: Jack Wyder
cc: E. Kruchkowski - Calgary

File No. 30213
Date August 31, 1987
Samples Silt

Certificate of ASSAY

LORING LABORATORIES LTD.

SAMPLE No.	PPB Au		PPM Ag
"Silt Samples"			
DL - 1	75	↑	NIL
2	85		NIL
3	15		NIL
4	40		0.1
5	80	COREY 7	NIL
6	55		0.1
7	20		NIL
8	515		0.1
HCS- 1	NIL		0.3
2	NIL	↓	NIL
3	NIL	↑	NIL
4	NIL	COREY 13	NIL
5	NIL	↓	NIL
6	NIL	↑	NIL
7	NIL		NIL
8	NIL	COREY 8	NIL
9	NIL		NIL
10	NIL	↓	NIL
11	NIL	COREY 24	NIL
DS - 1	120	COREY 5	0.1
2	65		1.3
3	55	↑	NIL
4	120	COREY 16	0.7
5	75		1.1
6	610	↓	1.3
SSS-22	30	↑	0.2
23	15	COREY 35	0.5
24	80		1.0
25	875	↓	2.6

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES . . . .

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Assayer

To: BIG HORN DEVELOPMENT CORP.,
400, 255 - 17th Avenue S.W.,
Calgary, Alberta T2S 2T8
ATTN: Jack Wyder

cc: E. Kruchkowski - Calgary

File No. 30213
Date August 31, 1987
Samples Silt

Certificate of ASSAY

LORING LABORATORIES LTD.

SAMPLE No.	PPB Au		PPM Ag
SSS-26	35		1.3
27	45		0.4
EH -10	60		0.6
11	40	COREY 35	0.9
12	45		0.9
13	110		4.6

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Rejects Retained one month.

Pulps Retained one month unless specific arrangements made in advance.

Assayer

Mount Madge Project

To: BIG HORN DEVELOPMENT CORP.,
400, 255 - 17th Avenue S.W.,
Calgary, Alberta T2S 2T8
ATTN: Jack Wyder

cc: E. Kruchkowski

File No. 30224
Date September 3, 1987
Samples Silt

Certificate of ASSAY

LORING LABORATORIES LTD.

SAMPLE No.	PPB Au		PPM Ag
"Silt Samples"			
HCS-12	10	COREY 24	0.7
13	NIL		0.3
14	NIL		0.2
15	5		0.6
16	NIL		0.3
17	5		0.5
18	NIL	COREY 27	0.6
19	NIL		0.6
20	NIL	COREY 24	0.6
21	NIL		0.2
22	NIL		0.3
23	NIL	COREY 27	0.1
24	NIL		0.1
25	NIL		0.2
26	NIL		0.2
27	5		0.4
28	10		0.5
29	40	COREY 16	0.5
30	5		0.6
31	NIL		0.2
32	NIL	COREY 9	0.4
33	10		0.4
34	45		2.8
35	130		0.4
36	5		0.4
37	25		0.5
38	25	COREY 3	0.6
39	245		0.4
40	75		0.4

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Assayer

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File No. 30224
Date September 3, 1987
Samples Silt

Certificate of ASSAY

LORING LABORATORIES LTD.

SAMPLE No.	PPB Au		PPM Ag
HCS-41	30	↑	0.4
42	NIL	COREY 3	0.1
43	35	↓	0.3
44	15	COREY 2	0.1
45	NIL		0.2
46 A	NIL	COREY 4	0.1
46 B	5		0.2
47	15	↑	0.9
48	25	COREY 34	1.0
49	10		0.7
50	30		1.2
51	5	↓	0.6
52	25	↑	1.0
53	25	COREY 28	0.6
54	45	↓	0.4
55	40	↑	0.6
56	20	COREY 34	0.2
57	50		0.2
58	30	↓	0.8
59	25	↑	0.3
60	NIL		0.1
61	NIL	COREY 3	0.6
62	20		0.2
63	25	↓	0.4
64	40	COREY 5	1.1
65	535	COREY 12	1.5
66	10	COREY 11	0.1
67	20		0.1
68	15	↑	0.3
69 A	85	COREY 14	0.2
69 B	60	↓	0.5

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File No. 30224
Date September 3, 1987
Samples Silt

Certificate of ASSAY

LORING LABORATORIES LTD.

SAMPLE No.	PPB Au		PPM Ag
HCS-70	65	COREY 14	0.6
71	285		0.6
72	100	COREY 13	0.8
73	25	COREY 23	0.2
74	NIL	COREY 20	0.2
75	5	↑	0.2
76	NIL		0.1
77	NIL	COREY 23	NIL
78	5	↓	NIL
79	NIL	↑	0.1
80	NIL	COREY 20	0.2
81	NIL		0.2
82	NIL		0.4
83	15	↓	0.4
84	10	COREY 35	0.7
85	20	COREY 34	0.5
86	20		0.7
87	15	COREY 35	0.5
88	10		1.8
89	15	COREY 34	0.4
90	NIL	COREY 24	0.4
91	5	↑	NIL
92	5	COREY 33	0.6
93	15	↓	0.4
94	5	COREY 40	0.1
GWS- 8	NIL	↑	0.2
9	NIL	COREY 24	0.7
10	NIL		0.1
11	5	↓	NIL
12	5	COREY 31	NIL
13	NIL	↓	0.2

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Rejects Retained one month.

Pulps Retained one month unless specific arrangements made in advance.

Assayer

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cc: E. Kruchkowski

File No. 30224
Date September 3, 1987
Samples Silt

Certificate of ASSAY

LORING LABORATORIES LTD.

SAMPLE No.	PPB Au		PPM Ag
GWS-14	20	↑	0.1
15	5		NIL
16	10	COREY 31	NIL
17	15		0.1
18	15		0.1
19	NIL	↓	0.2
20	NIL	COREY 24	NIL
21	NIL		NIL
22	10	↑	0.6
23	10		0.3
24	15		0.5
25	20	COREY 13	0.1
26	50		0.1
27	215		1.2
28	10	↓	0.1
29	5	COREY 14	0.1
30	25		0.4
31	40	COREY 10	1.1
32	NIL	↑	NIL
33	NIL	COREY 4	NIL
34	NIL	↓	NIL
35	NIL	↑	NIL
36	NIL	COREY 41	0.1
37	NIL	↑	NIL
38	15	COREY 38	0.1
39	5		NIL
40	5	↓	0.2
41	NIL	↑	0.1
42	NIL		0.3
43	145	COREY 36	0.1
44	NIL	COREY 39	0.2

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Pulps Retained one month *unless specific arrangements* made in advance.

Assayer

To: BIG HORN DEVELOPMENT CORP.,
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Calgary, Alberta T2S 2T8
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File No. 30224
Date September 3, 1987
Samples Silt

Certificate of ASSAY

LORING LABORATORIES LTD.

SAMPLE No.	PPB Au		PPM Ag
GWS-45	NIL	↑	NIL
46	NIL		0.1
47	NIL	COREY 39	0.1
48	315		0.3
49	5	↓	NIL
50	50	↑	0.8
51	35	COREY 7	1.8
52	20		0.5
53	10	↓	0.6
54	40	↑	0.4
55	25		0.2
56	30	COREY 13	0.1
57	40	↓	0.6
58	15	↑	0.2
59	25	COREY 43	0.1
60	45	↓	0.3
61	25	↑	0.7
62	35		2.7
63	30	COREY 13	2.2
64	575		1.8
65	50	↓	0.7
66	5	COREY 16	0.4
67	10		0.6
ML- 01	15	↑	0.6
02	105	exact location unknown	1.0
03	45	COREY 2 and 41	0.7
04	10		1.2
05	105		0.3
06	30	↓	0.4
DL- 10	5	COREY 4	NIL
11	NIL	↓	NIL

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Assayer

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File No. 30224
Date September 3, 1987
Samples Silt

Certificate of ASSAY

LORING LABORATORIES LTD.

Page # 6

SAMPLE No.	PPB Au		PPM Ag
DL- 12	15	COREY 4	NIL
13	10	COREY 41	NIL
14	225	↑	NIL
15	5	COREY 38	NIL
16	NIL	↓	0.1
20	15	COREY 43	0.2
21	5	↑	0.2
22	10	COREY 44	0.2
23	5	↓	0.2
24	10	COREY 40	0.1
25	15	COREY 43	0.7
26	15		0.2
27	10	↑	0.2
28	25	COREY 42	0.2
29	5	↓	0.2
CG-101	15	CROWN GRANTS	4.3

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Assayer

To: BIG HORN DEVELOPMENT CORP.,
400, 255 - 17th Avenue S.W.,
Calgary, Alberta T2S 2T8
ATTN: Jack Wyder
cc: E. Kruchkowski

File No. 30232
Date September 3, 1987
Samples Rock

Certificate of ASSAY

LORING LABORATORIES LTD.

SAMPLE No.	OZ./TON GOLD		OZ./TON SILVER
"Assay Analysis" "Rock Samples"			
19428	.290	COREY 7	2.13
19429	1.690		2.53
19437	-	CROWN GRANTS	169.38
19438	-		2.22
19439	-		346.40
19440	-		4.26
19441	-		49.24
19442	-		160.92
19443	-		3.62
19445	-	COREY 34	1.80
19446	.172	GFJ GRID - COREY 8	2.33
19450	1.248		4.22
19453	.328		1.79
19454	.058		-
KK- 88	1.490		2.65
KK- 89	.180		-
KK-127	.394		5.87
KK-128	.032		-
KK-129	.124		15.20

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Assayer

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Calgary, Alberta T2S 2T8
ATTN: Jack Wyder
cc: E. Kruchkowski

File No. 30232
Date September 3, 1987
Samples Rock

Certificate of ASSAY

LORING LABORATORIES LTD.

SAMPLE No.	OZ./TON GOLD		OZ./TON SILVER
KK-130	.038	GFJ GRID - COREY 7	-
KK-131	.090		-
KK-132	.198		-
KK-133	.082		-
KK-135	.074		-
KK-136	1.346		3.49
KK-137	.096		-
KK-138	.888		3.47
KK-140	.050		-
KK-141	1.140		5.00
KK-142	3.534		4.23
KK-143	.210		-
KK-144	.438		2.09
KK-145	.114		2.99
KK-146	.032		-
KK-147	.076		-
KK-149	.114		-

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File No. 30232
Date September 3, 1987
Samples Rock

Certificate of ASSAY

LORING LABORATORIES LTD.

SAMPLE No.	PPM Zn	
"Rock Samples"		
19420	66	COREY 16
19426	138	COREY 7

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Assayer

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400, 255 - 17th Avenue S.W.,
Calgary, Alberta T2S 2T8
ATTN: Jack Wyder
cc: E. Kruchkowski

File No. 30232
Date September 3, 1987
Samples Rock

Certificate of ASSAY

LORING LABORATORIES LTD.

SAMPLE No.	PPB Au		PPM Ag
"Rock Samples"			
19420	5	COREY 16	0.6
19421	NIL	↑	0.3
19422	5		0.2
19423	5	COREY 3	0.2
19424	950	↓	3.8
19425	470		1.6
19426	95	GFJ GRID - COREY 7	0.7
19427	15		0.3
19428	+1000	UNUK FINGER SHOWINGS - COREY 7	30.0+
19429	+1000		30.0+
19430	415	COREY 5	3.2
19431	130		1.0
19432	195		3.0
19433	40	↓	2.1
19434	10	COREY 3	1.4
19435	5	CROWN GRANTS	18.0
19436	NIL		1.0
19437	70		30.0+
19438	5		30.0+
19439	135		30.0+
19440	5		30.0+
19441	35		30.0+
19442	140		30.0+
19443	5	↓	30.0+
19444	25	COREY 35	21.0
19445	10	COREY 34	30.0+
19446	+1000	COREY 8	30.0+
19447	540	GFJ GRID - COREY 7	12.0
19448	80	↓	3.3

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Assayer

To: BIG HORN DEVELOPMENT CORP.,
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File No. 30232
Date September 3, 1987
Samples Rock

Certificate of ASSAY

LORING LABORATORIES LTD.

SAMPLE No.	PPB Au		PPM Ag
19449	410	GFJ GRID - COREY 8	6.4
19450	+1000		30.0+
19451	70		2.8
19452	105		5.5
19453	+1000		30.0+
19454	+1000		25.6
DLR-10	40	COREY 13	1.1
GS -50	15		1.3
51	10		1.8
52	NIL		1.1
53	NIL	COREY 7	0.8
54	5	COREY 13	0.9
55	15		1.4
56	15	COREY 3	1.0
57	670		5.7
58	540		3.8
59	NIL	COREY 8	0.1
60	5		0.3
61	NIL		0.1
62	NIL		1.7
63	NIL		0.1
64	NIL		0.3
65	NIL		0.3
66	NIL		0.5
67	5		0.1
68	NIL	COREY 7	0.3
69	NIL		0.4
70	NIL		0.2
71	NIL		0.2
72	NIL	COREY 8	0.2
KK- 87	30	GFJ GRID - COREY 7	1.2

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File No. 30232
Date September 3, 1987
Samples Rock

Certificate of ASSAY

LORING LABORATORIES LTD.

Page # 6

SAMPLE No.	PPB Au		PPM Ag
KK- 88	+1000	GFJ GRID - COREY 7	30.0+
89	+1000		9.2
90	590		4.8
91	125		1.3
92	430		4.9
93	55		1.8
94	225		0.3
95	NIL		1.2
96	35		1.3
97	5	COREY 7	NIL
98	NIL		0.1
99	NIL		0.1
100	NIL		0.1
101	NIL		NIL
102	NIL		0.1
103	NIL		0.1
104	NIL		0.7
105	5		0.9
106	5		0.3
107	5		0.1
108	5		0.2
109	5		0.3
110	5		0.2
111	NIL		0.2
112	65		1.7
113	50	GFJ GRID - COREY 7	0.2
114	385		7.2
115	75		0.5
116	95		1.0
117	55		0.6
118	65		1.4

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Assayer

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File No. 30232
Date September 3, 1987
Samples Rock

Certificate of ASSAY

LORING LABORATORIES LTD.

SAMPLE No.	PPB Au		PPM Ag
KK-119	25	GFJ GRID - COREY 7	1.7
120	230		0.4
121	95		1.6
122	55		0.6
123	220		0.9
124	50		0.7
125	480		2.1
126	100		0.8
127	+1000		30.0+
128	+1000		3.1
129	+1000		30.0+
130	+1000		12.0
131	+1000		25.0
132	+1000		11.5
133	+1000		6.2
134	465		2.5
135	+1000		5.0
136	+1000		30.0+
137	+1000		2.8
138	+1000		30.0+
139	185		1.5
140	+1000		23.0
141	+1000		30.0+
142	+1000		30.0+
143	+1000		6.6
144	+1000		30.0+
145	+1000		30.0+
146	+1000		5.4
147	+1000		11.0
148	450		2.4
149	+1000		5.5

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Assayer

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File No. 30232
Date September 3, 1987
Samples Rock

Certificate of ASSAY

LORING LABORATORIES LTD.

Page # 8

SAMPLE No.	PPB Au		PPM Ag
KK-150	320	GFJ GRID - COREY 7	2.7
151	440		1.7
152	505		3.2
153	285		1.9
154	45		1.8
155	55		0.7
156	280		0.8
157	55		1.4

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Pulps Retained one month unless specific arrangements made in advance.

Assayer

To: BIG HORN DEVELOPMENT CORP.,
400, 255 - 17th Avenue S.W.,
Calgary, Alberta T2S 2T8
ATTN: Jack Wyder
cc: E. Kruchkowski

File No. 30274
Date September 16, 1987
Samples Rock

Certificate of ASSAY

LORING LABORATORIES LTD.

SAMPLE No.	OZ./TON GOLD		OZ./TON SILVER
"Assay Analysis"			
KK-158	.090	COREY 7	1.18
KK-159	-		1.06
KK-160	.080		-
KK-161	.676		2.33
KK-162	.186		-
KK-163	.202		1.03
KK-164	.310		9.10
KK-164 A	.506		8.01
KK-166	.414		2.58
KK-171	.066		-
KK-172	.042		-
KK-175	.072		-
18506	3.674	COREY 8 - GFJ GRID	7.43
18507	.224		-
18509	.230		-
18510	.178		-
19455	.274	COREY 7 - GFJ GRID	-
19461	.042	COREY 8 - GFJ GRID	-
19464	.568		1.06

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES . . . .

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Assayer

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Calgary, Alberta T2S 2T8
ATTN: Jack Wyder
cc: E. Kruchkowski

File No. 30274
Date September 16, 1987
Samples Rock

Certificate of ASSAY

LORING LABORATORIES LTD.

SAMPLE No.	PPB Au		PPM Ag
"Rock Samples" Geochemical Analysis			
GS- 73	NIL	COREY 8	NIL
74	5		NIL
75	NIL		NIL
76	NIL		NIL
77	NIL		NIL
78	5		NIL
79	NIL		NIL
80	NIL		NIL
81	125		NIL
82	NIL		NIL
83	NIL	COREY 7	NIL
84	NIL		NIL
85	NIL		NIL
86	NIL		NIL
87	NIL		NIL
88	NIL		NIL
89	NIL		NIL
90	NIL		NIL
91	NIL		NIL
92	5		NIL
93	5		NIL
94	30		0.8
95	15		NIL
96	5		0.3
97	NIL		0.2
98	NIL		0.3
99	NIL		NIL
100	20		1.9

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES . . . .

Rejects Retained one month.
Pulps Retained one month unless specific arrangements made in advance

To: BIG HORN DEVELOPMENT CORP.,
400, 255 - 17th Avenue S.W.,
Calgary, Alberta T2S 2T8
ATTN: Jack Wyder
cc: E. Kruchkowski

File No. 30274
Date September 16, 1987
Samples Rock

Certificate of ASSAY

LORING LABORATORIES LTD.

SAMPLE No.	PPB Au		PPM Ag
GS-101	NIL	COREY 7	NIL
102	NIL	↓	NIL
103	NIL		NIL
104	NIL	COREY 8	0.4
105	NIL		0.2
106	NIL	COREY 7	0.4
107	30		0.4
108	20	COREY 8	0.6
109	180	↓	0.7
110	190		1.5
111	95		0.4
KK-158	+1000	COREY 7	30.0+
159	105	↓	30.0+
160	+1000		3.6
161	+1000		30.0+
162	+1000		9.6
163	+1000		30.0+
164	+1000		30.0+
164 A	+1000		30.0+
165	120		4.4
166	+1000		30.0+
167	25		0.8
168	20		0.8
169	660		1.6
170	725		1.5
171	+1000		14.9
172	+1000		6.5
173	40		0.7
174	785		17.4
175	+1000	↓	20.5
176	20	COREY 8	0.7

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES . . . .

Rejects Retained one month.

Pulps Retained one month unless specific arrangements made in advance.

Assayer

To: BIG HORN DEVELOPMENT CORP.,
400, 255 - 17th Avenue S.W.,
Calgary, Alberta T2S 2T8
ATTN: Jack Wyder
cc: E. Kruchkowski

File No. 30274
Date September 16, 1987
Samples Rock

Certificate of ASSAY

LORING LABORATORIES LTD.

SAMPLE No.	PPB Au		PPM Ag
KK-177	35	COREY 8	1.4
178	175		0.9
179	10		0.6
180	55		0.4
181	270		4.1
18506	+1000	COREY 8 - GFJ GRID	30.0+
18507	+1000		9.5
18508	390		2.4
18509	+1000		12.8
18510	+1000		8.5
19455	+1000	COREY 7 - GFJ GRID	16.8
19456	50	COREY 8 - GFJ GRID	0.9
19457	105	UPPER GFJ GRID	1.1
19458	615	COREY 8 - GFJ GRID	13.0
19459	25		1.1
19460	35		1.0
19461	+1000		3.8
19462	175		3.6
19463	310		1.2
19464	+1000		30.0+
19465	210	COREY 8 - GFJ GRID	3.6

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES . . . .

Rejects Retained one month.

Pulps Retained one month unless specific arrangements made in advance.

To: BIG HORN DEVELOPMENT CORP.,
400, 255 - 17th Avenue S.W.,
Calgary, Alberta T2S 2T8

ATTN: Jack Wyder

File No. 30342
Date September 22, 1987
Samples Rock

Certificate of ASSAY

LORING LABORATORIES LTD.

RECEIVED OCT - 9 1987

from Jack Wyder project

SAMPLE No.		PPB Au	PPM Ag	PPM Cu	PPM Pb	PPM Zn
"CORRECTED" "Rock Samples"						
COREY 31	GS-112	NIL	NIL	69	18	101
COREY 24	113	NIL	NIL	45	22	97
	114	NIL	NIL	10	14	15
	115	NIL	NIL	8	17	17
COREY 31	KK-182	NIL	1.5	25	22	118
	183	NIL	1.0	21	42	35
	184	NIL	0.4	83	20	154
	185	NIL	1.5	49	20	116
	186	NIL	NIL	25	21	73
COREY 24	187	NIL	0.2	37	16	174
	188	NIL	NIL	8	18	30
	189	NIL	NIL	3	8	7
	190	NIL	NIL	8	19	34
	191	NIL	NIL	5	19	21
CROWN GRANTS	19466	NIL	NIL	53	13	74

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES . . . .

Rejects Retained one month.

Pulps Retained one month *unless specific arrangements* made in advance.

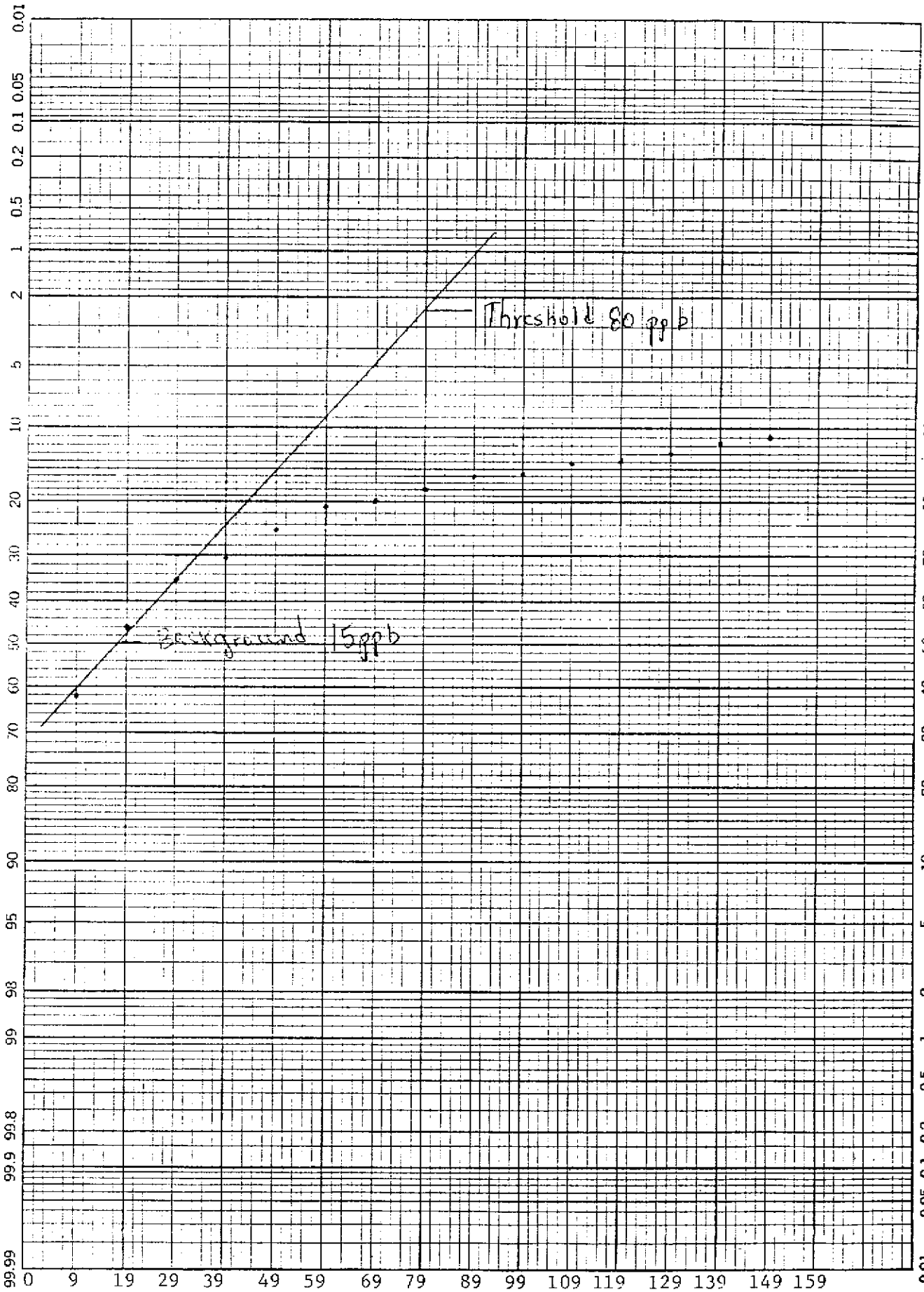
Assayer

APPENDIX III

CUMULATIVE FREQUENCY CHARTS

MT. MADGE

GOLD IN SILT

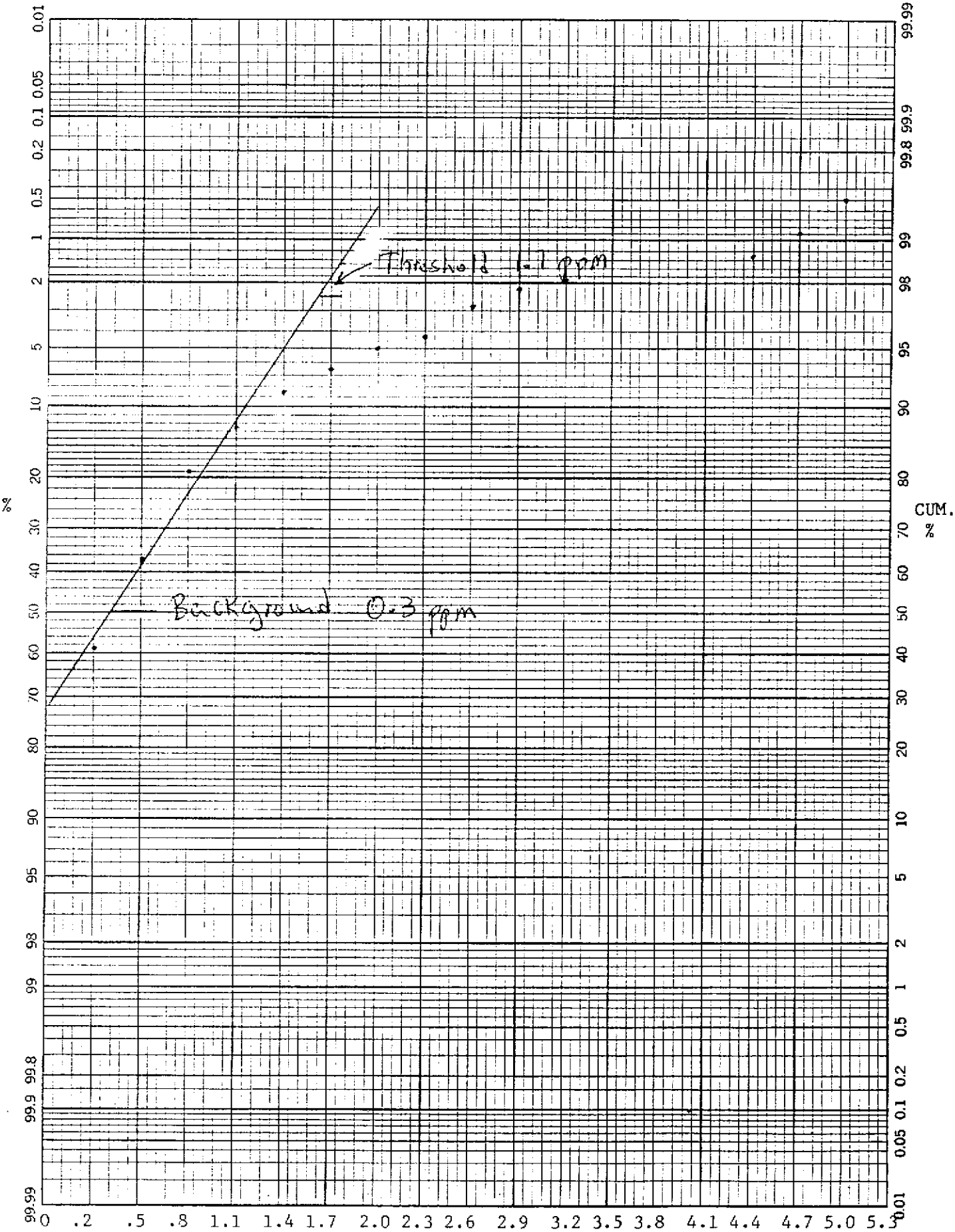


46 8003

PROBABILITY X 9" DIVISIONS
KEUFFEL & ESSER CO MADE IN U.S.A.

MT. MADGE

SILVER IN SILT

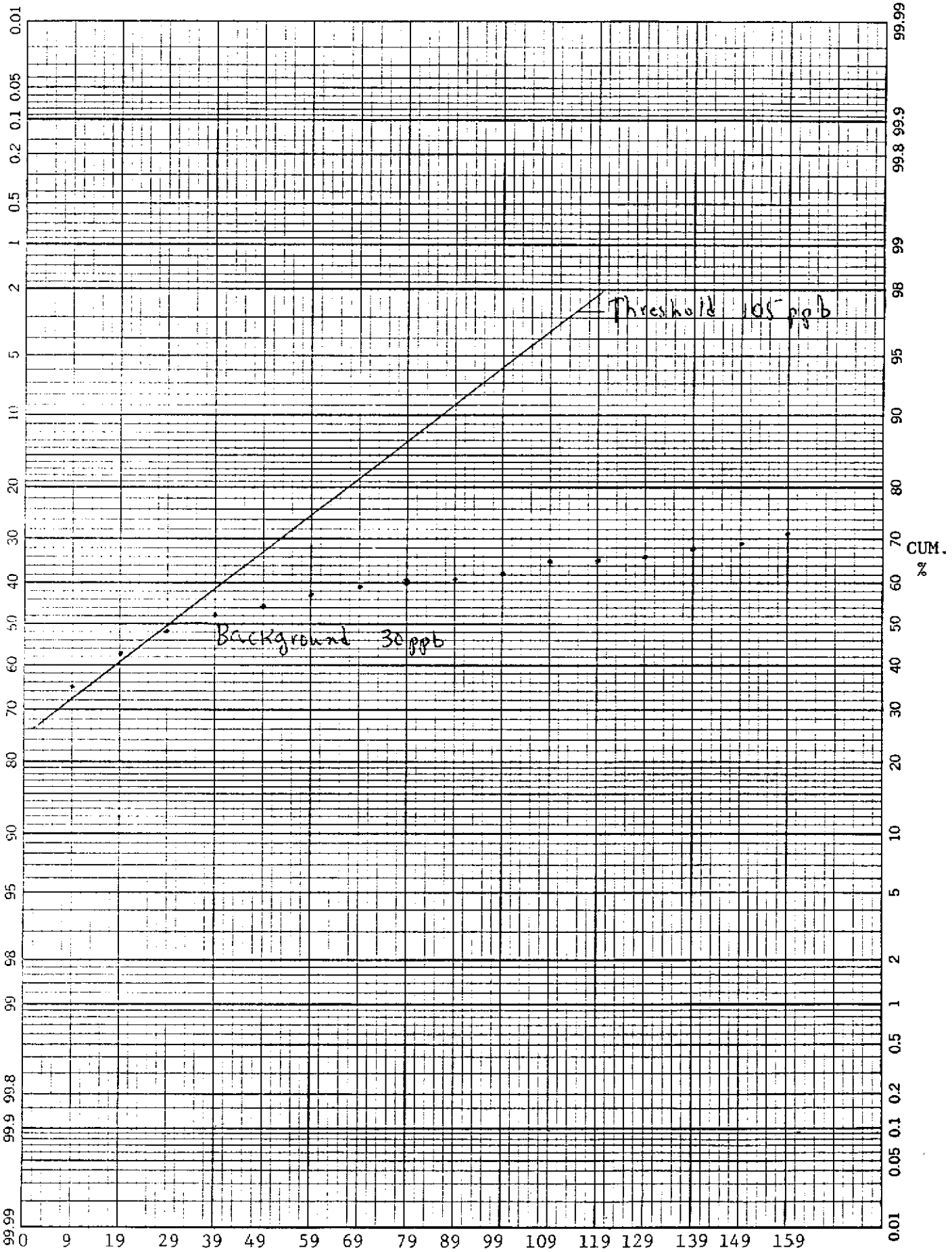


46 8003

PROBABILITY X 90 DIVISIONS
KEUFFEL & ESSER CO. MADE IN U.S.A.

MT. MADGE

GOLD IN ROCK



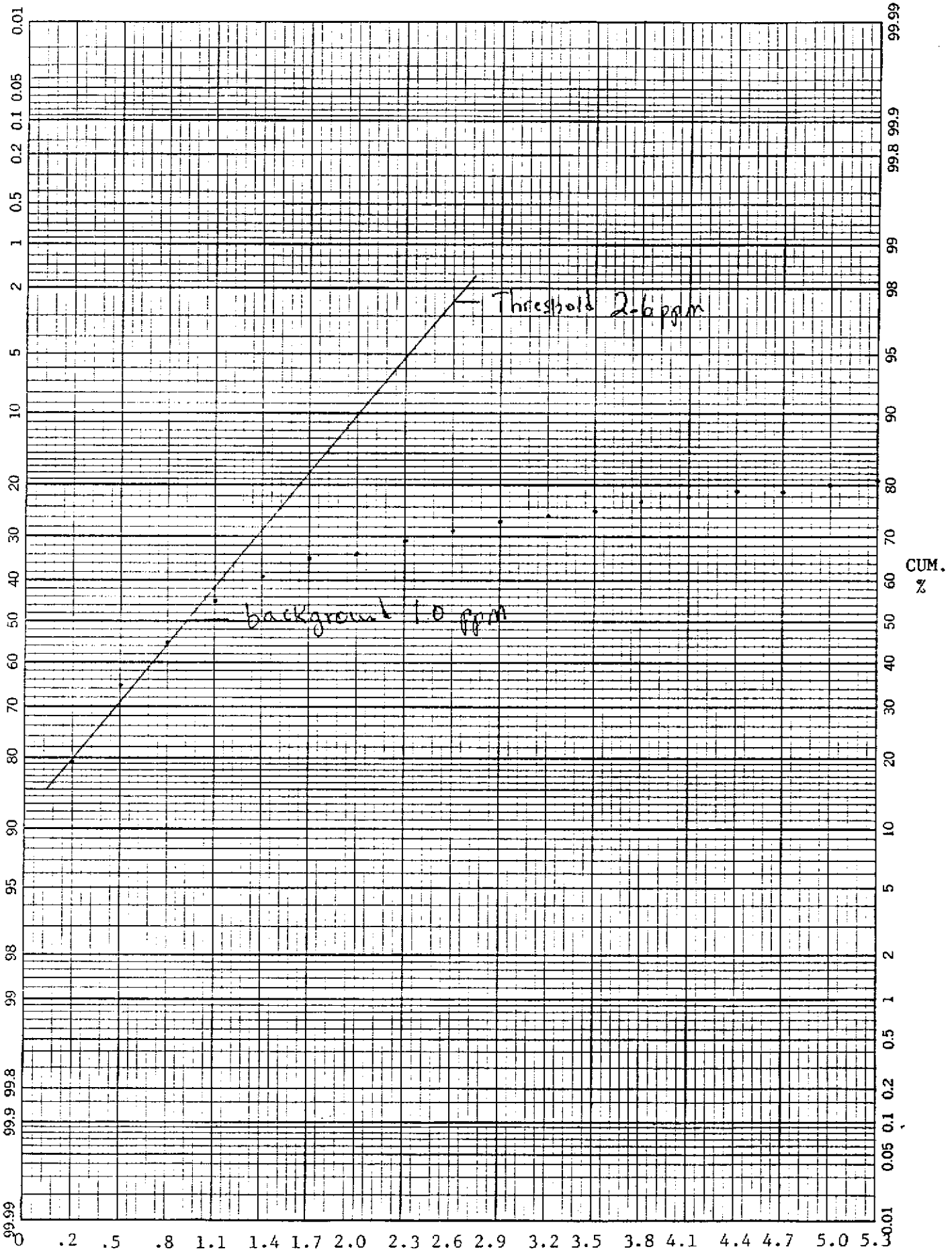
Au PPB

46 8003

PROBABILITY X 90 DIVISIONS
KEUFFEL & ESSER CO MADE IN U.S.A.

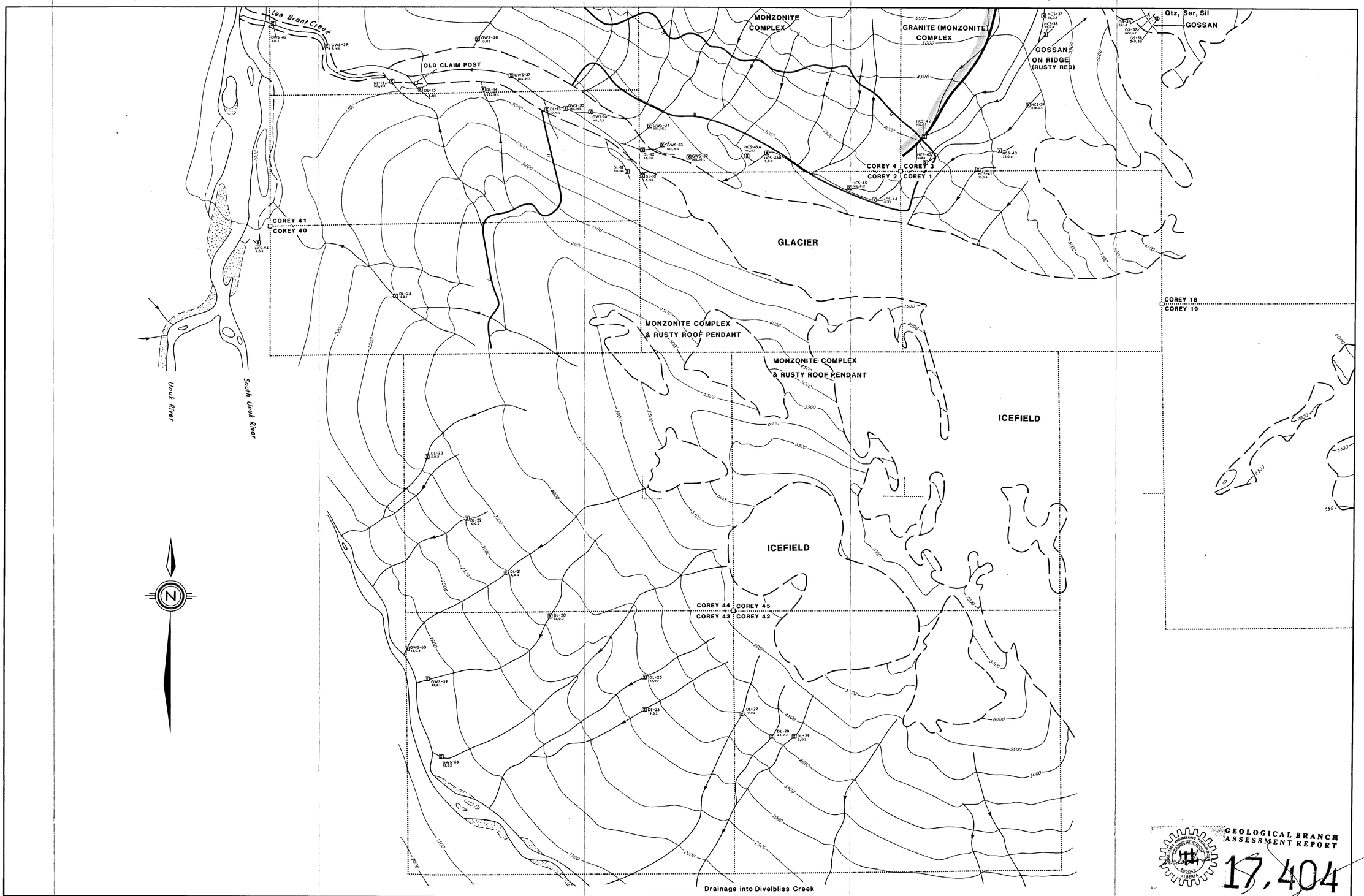
MT. MADGE

SILVER IN ROCK



46 8003

KE PROBABILITY X 90 DIVISIONS
KEUFFEL & ESSER CO. MADE IN U.S.A.



MAP SHEET INDEX

3
2
1

TOPOGRAPHICAL & CLAIM FEATURES:

- Icefield, Glacier
- Creek (Direction of Flow)
- Above Tree Line / Below Tree Line
- 1000 — Contours in Feet AMSL
- Sandbar
- LCP and Claim Line

GEOLOGICAL FEATURES:

- Fault or Shear Zone
- 60° — Strike and Dip (Foliation)

GEOCHEMICAL SAMPLE SITES

- Silt
- Outcrop
- Rock: Float
- 13,0.3 — Au(ppb), Ag(ppm) (unless otherwise stated)

BELT CHAIN & ODOMETER DISTANCES
CO-ORDINATES UTM GRID
MAP BASE: ENLARGEMENT FROM 1:50,000 TOPOGRAPHIC

0 250 500 750 1000 Metres
1:10,000

BIGHORN DEVELOPMENT CORPORATION

MT. MADGE PROJECT

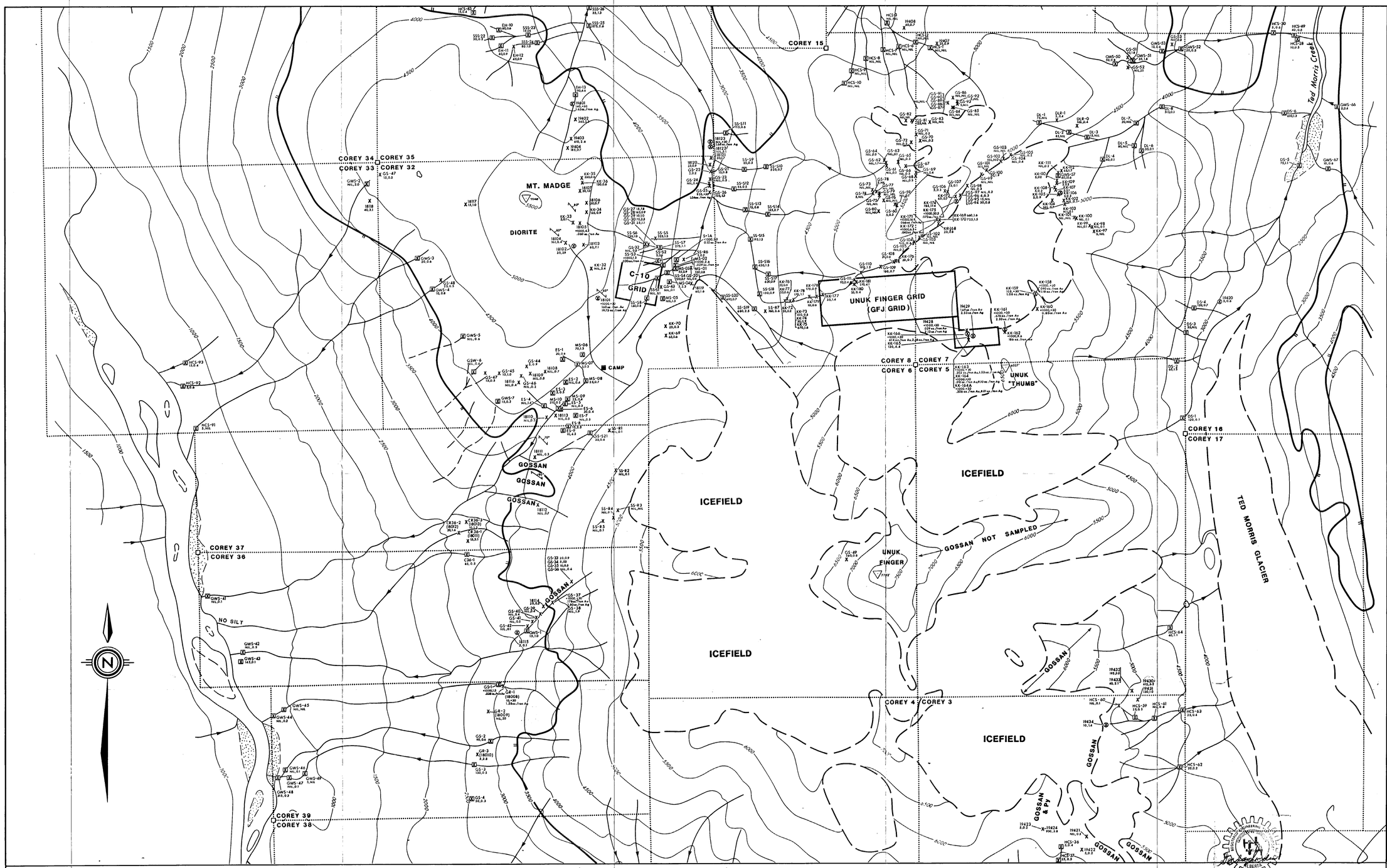
COREY CLAIMS

GEOCHEMICAL SAMPLE SITE LOCATION MAP (1)

Scale: 1:10,000	C.I.: 500'	By:
Date: April, 1988	Revised:	Figure: 5

GEOLOGICAL BRANCH
ASSESSMENT REPORT

17,404



MAP SHEET INDEX

3
2
1

TOPOGRAPHICAL & CLAIM FEATURES:

- Icefield, Glacier
- Creek (Direction of Flow)
- Above Tree Line / Below Tree Line
- Contours in Feet AMSL
- Sandbar
- LCP and Claim Line

GEOLOGICAL FEATURES:

- Fault or Shear Zone
- Strike and Dip (Foliation)

GEOCHEMICAL SAMPLE SITES

- Silt
- Outcrop
- Rock: Float
- Au(ppb), Ag(ppm) (unless otherwise stated)

BELT CHAIN & ODOMETER DISTANCES
CO-ORDINATES UTM GRID
MAP BASE: ENLARGEMENT FROM 1:50,000 TOPOGRAPHIC

0 250 500 750 1000 Metres
1:10,000

BIGHORN DEVELOPMENT CORPORATION

MT. MADGE PROJECT

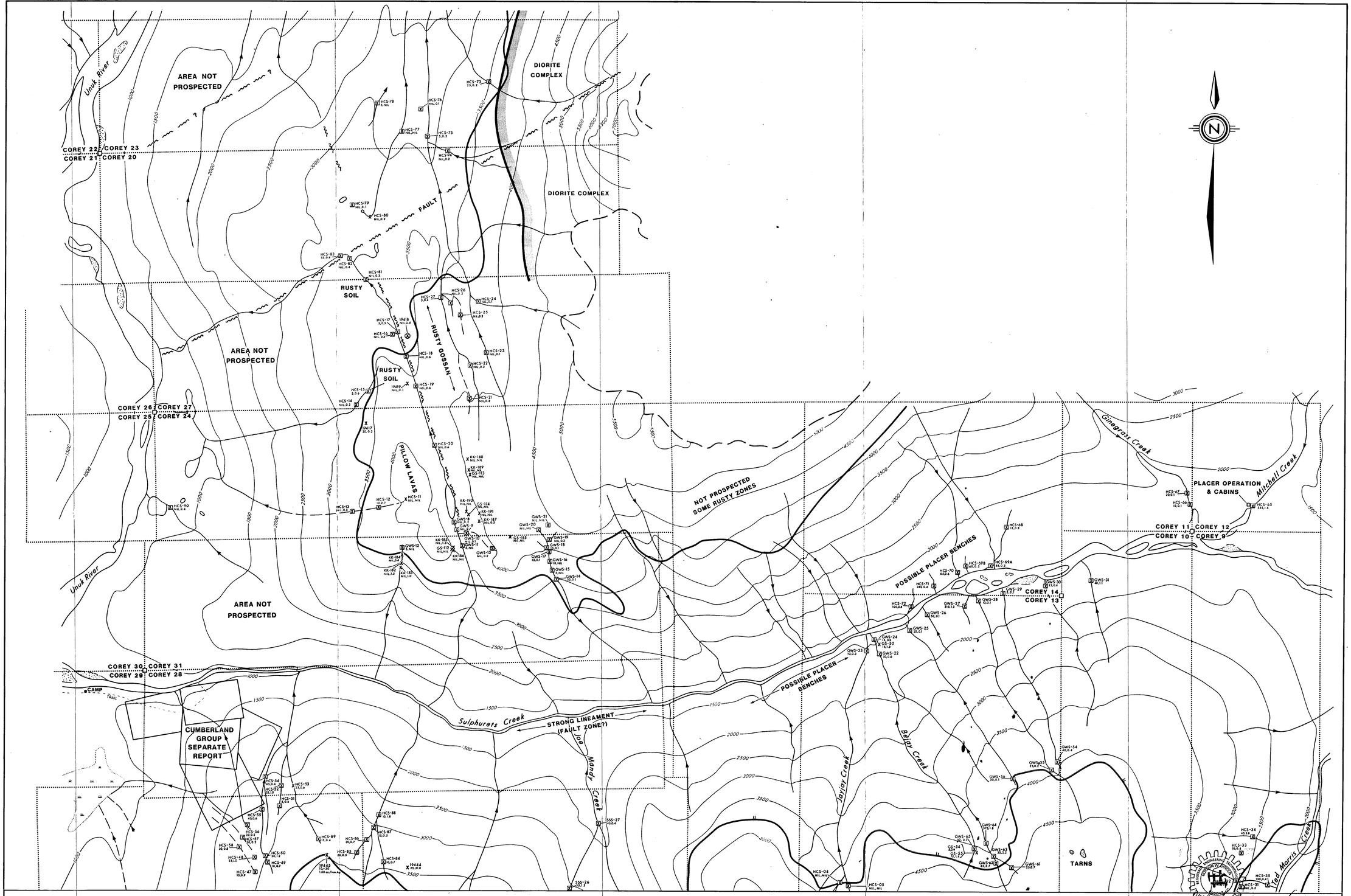
COREY CLAIMS

GEOCHEMICAL SAMPLE LOCATION MAP (2)

Scale: 1:10,000	C.I.: 500'	By:
Date: April, 1988	Revised:	Figure: 6

17,404

GEOLOGICAL BRANCH ASSESSMENT REPORT



MAP SHEET INDEX

3
2
1

TOPOGRAPHICAL & CLAIM FEATURES:

- Icefield, Glacier
- Creek (Direction of Flow)
- Above Tree Line / Below Tree Line
- 1000 — Contours in Feet AMSL
- Sandbar
- LCP and Claim Line

GEOLOGICAL FEATURES:

- Fault or Shear Zone
- 60° — Strike and Dip (Foliation)

GEOCHEMICAL SAMPLE SITES

- Silt
- X Outcrop
- (X) Rock: Float
- 18,03 Au(ppb), Ag(ppm) (unless otherwise stated)

BELT CHAIN & ODOMETER DISTANCES
CO-ORDINATES UTM GRID
MAP BASE: ENLARGEMENT FROM 1:50,000 TOPOGRAPHIC

0 250 500 750 1000 Metres
1:10,000

BIGHORN DEVELOPMENT CORPORATION

MT. MADGE PROJECT

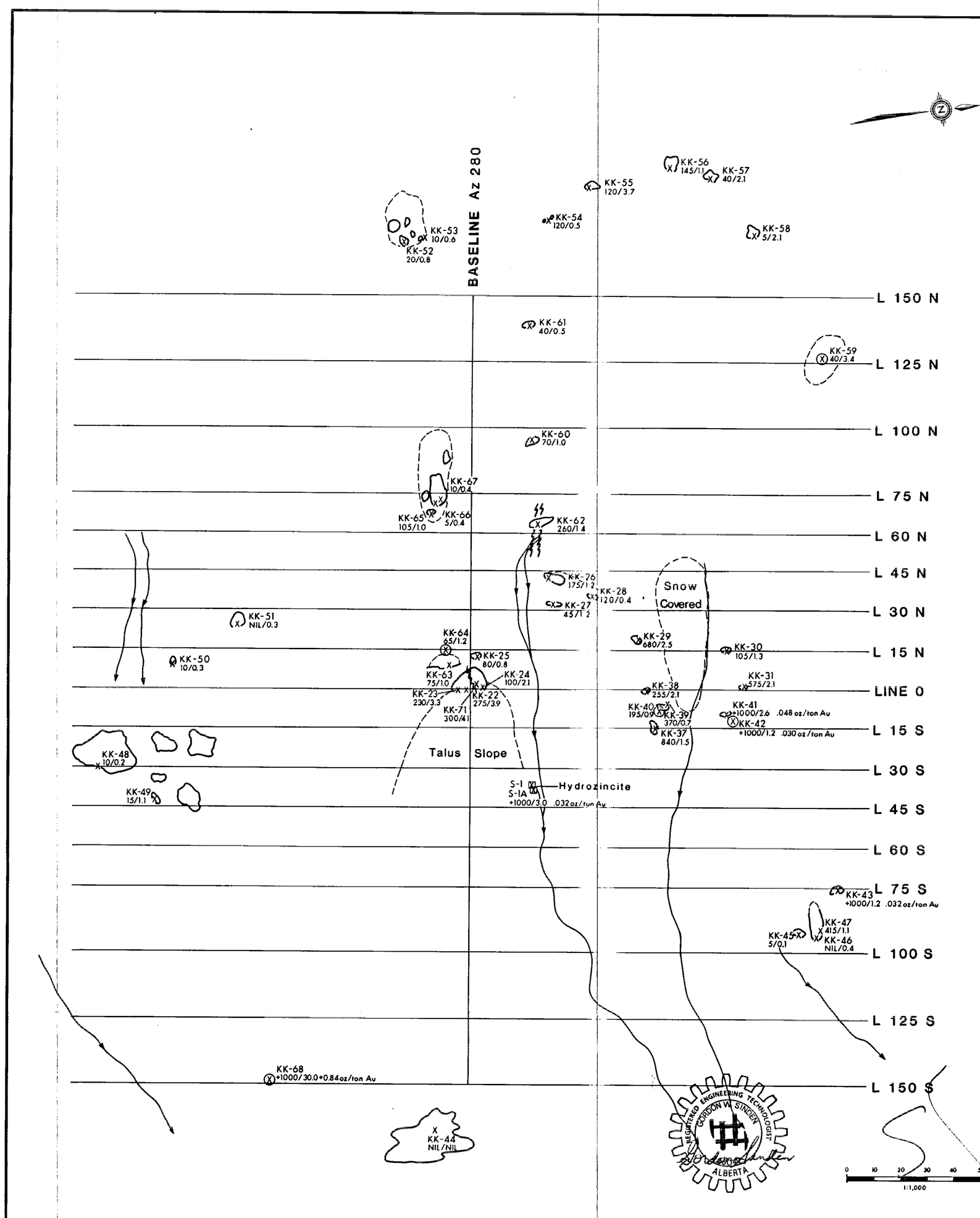
COREY CLAIMS

GEOCHEMICAL SAMPLE LOCATION MAP (3)

Scale: 1:10,000	C.I.: 500'	By:
Date: April, 1988	Revised:	Figure: 7

17,404

GEOLOGICAL BRANCH ASSESSMENT REPORT



NOTE:

0+00 Located at 1986

C-10 Sample Site

LEGEND:

- Outcrop
- Subcrop
- Fault
- Creek & Direction of Flow

GEOCHEMICAL SAMPLE SITES

- Silt
- x Outcrop
- Rock: Float
- 50/1.2 Assays: Au(ppb,Ag(ppm) (unless otherwise stated)

BIGHORN DEVELOPMENT CORPORATION

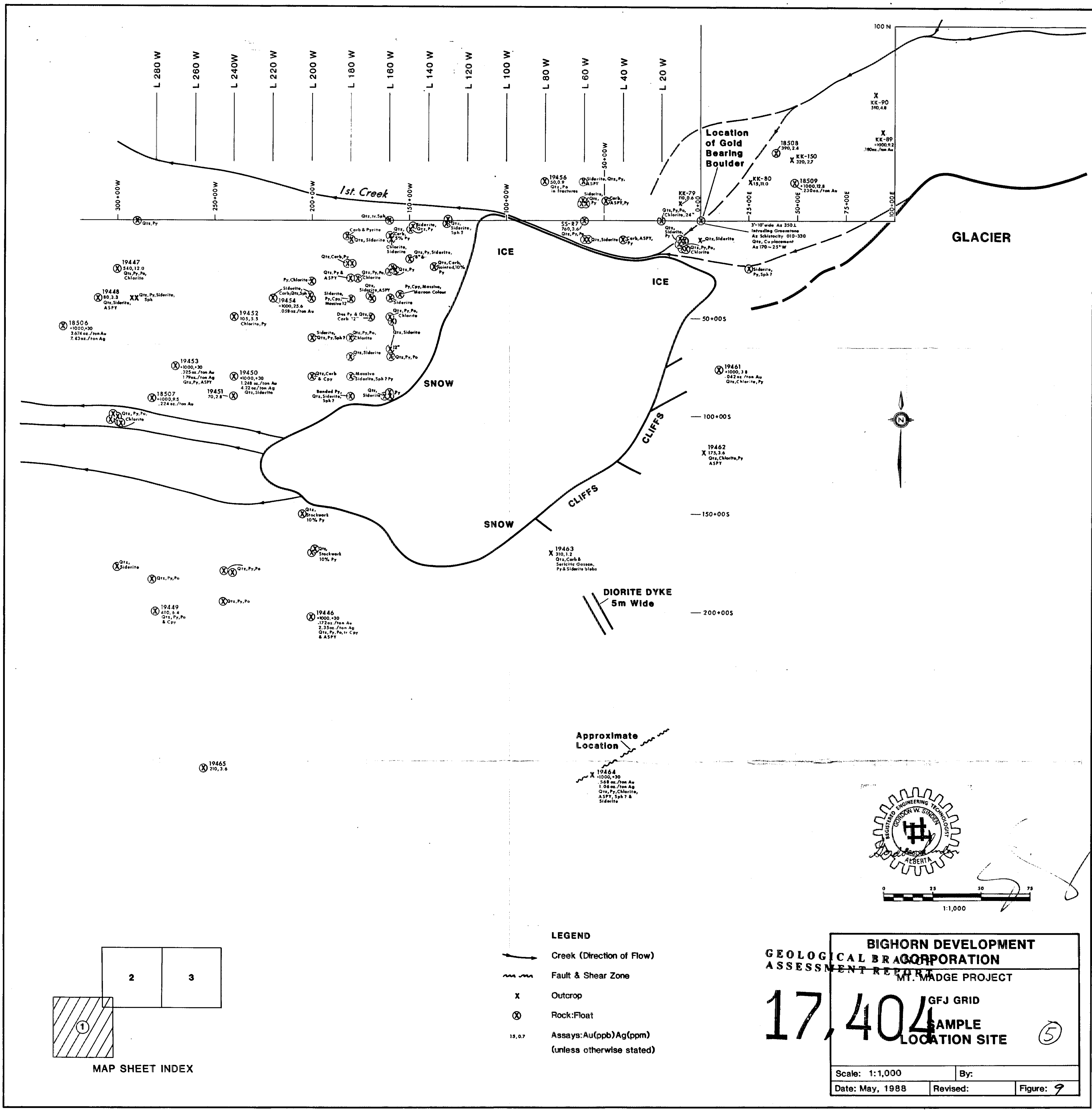
MT. MADGE PROJECT

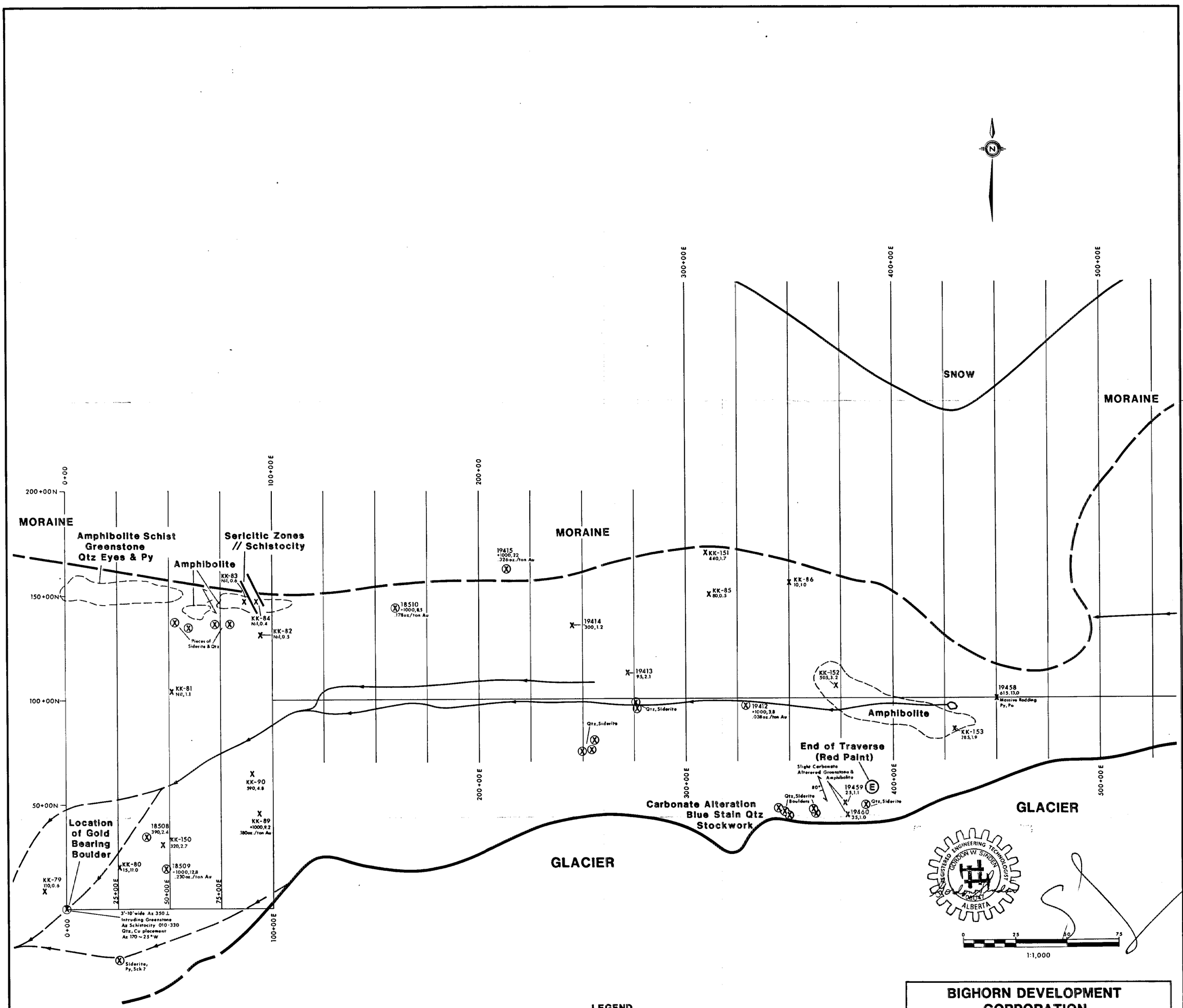
COREY 8/32 CLAIMS

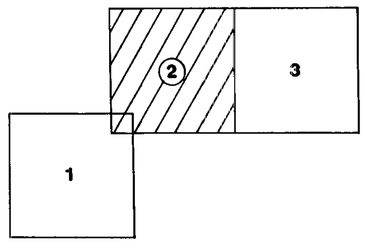
C-10 GRID

4

Scale: 1:1,000	By:	
Date: Apr. 1988	Revised:	Figure: 8


L 280 W
L 260 W
L 240W
L 220 W
L 200 W
L 180 W
L 160 W
L 140 W
L 120 W
L 100 W
L 80 W
L 60 W
L 40 W
L 20 W
100 N
1st Creek
300+00W
250+00W
200+00W
150+00W
100+00W
50+00W
0+00
25+00E
50+00E
75+00E
100+00E
Location of Gold Bearing Boulder
GLACIER
ICE
ICE
SNOW
SNOW
CLIFFS
CLIFFS
50+00S
100+00S
150+00S
200+00S
DIORITE DYKE 5m Wide
Approximate Location
19447
19448
18506
19452
19454
19453
19450
18507
19451
19456
18508
18509
KK-79
KK-80
KK-90
KK-89
KK-150
SS-87
19461
19462
19463
19446
19449
19465
19464
1:1,000
LEGEND
Creek (Direction of Flow)
Fault & Shear Zone
Outcrop
Rock:Float
Assays: Au(ppb) Ag(ppm) (unless otherwise stated)
MAP SHEET INDEX
1
2
3
GEOLOGICAL BRANCH ASSESSMENT REPORT
17,404
BIGHORN DEVELOPMENT CORPORATION
MT. MADGE PROJECT
GFJ GRID
SAMPLE LOCATION SITE
Scale: 1:1,000
By:
Date: May, 1988
Revised:
Figure: 9





MAP SHEET INDEX

LEGEND

- Creek(Direction of Flow)
- 80° Strike & Dip(Bedding)
- Strike & Dip(Foliation)
- X Outcrop
- ⊗ Rock:Float
- 15, 0.4 Assays: Au(ppb) Ag(ppm) (unless otherwise stated)

REGISTERED ENGINEERING TECHNOLOGIST GORDON W. SINDEN 08147 ALBERTA

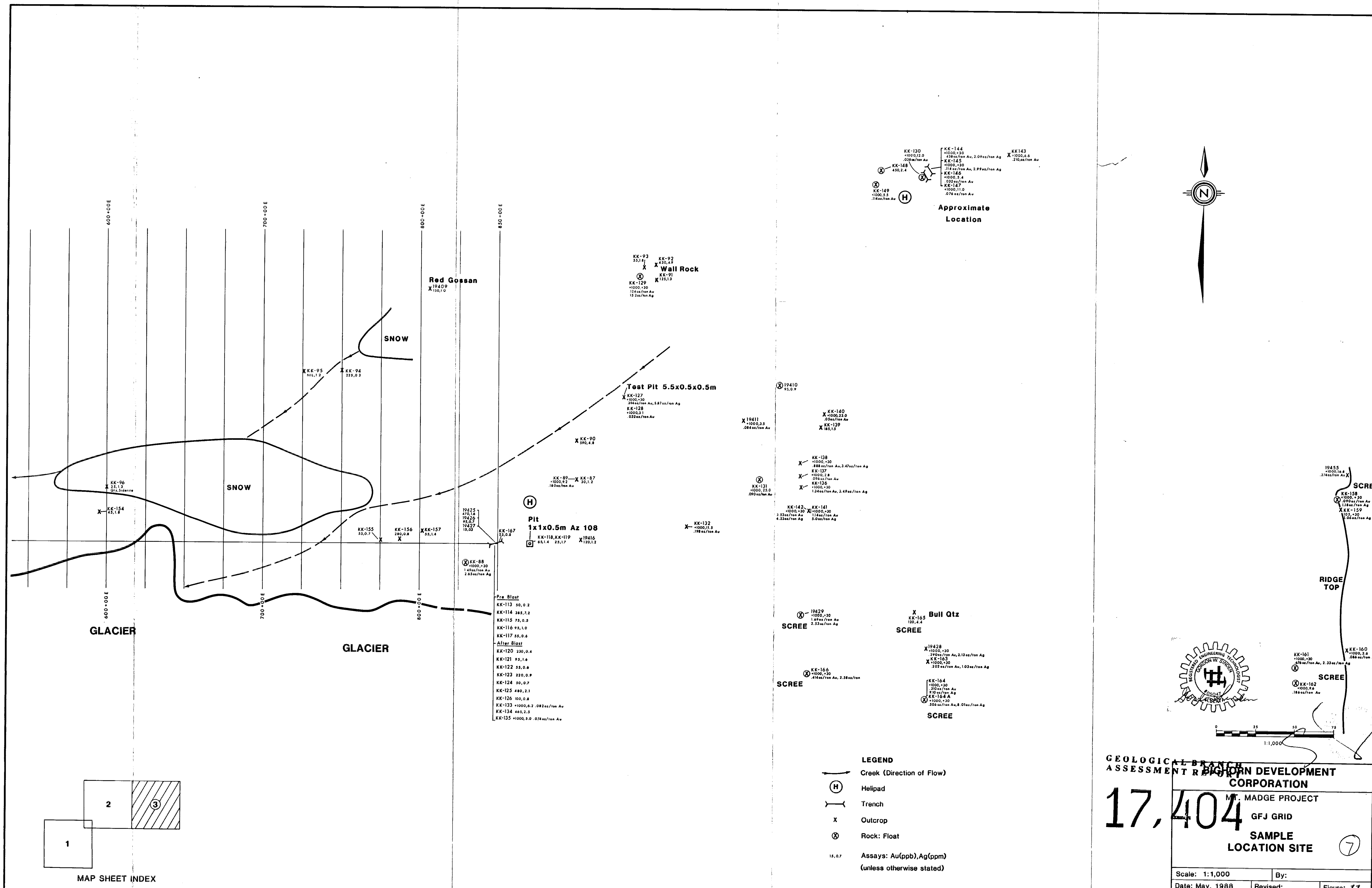
BIGHORN DEVELOPMENT CORPORATION

MT. MADGE PROJECT

GFJ GRID

SAMPLE LOCATION SITE (6)

Scale: 1:1,000	By:
Date: May, 1988	Revised:	Figure: 10



GLACIER
GLACIER
SNOW
SNOW
Red Gossan
Wall Rock
Test Pit 5.5x0.5x0.5m
Pit
1x1x0.5m Az 108
Approximate
Location
Bull Qtz
SCREE
RIDGE
TOP
600+00E
700+00E
800+00E
850+00E
Pre Blast
KK-113 50,0.2
KK-114 385,7.2
KK-115 75,0.5
KK-116 95,1.0
KK-117 55,0.6
After Blast
KK-120 230,0.4
KK-121 95,1.6
KK-122 55,0.6
KK-123 220,0.9
KK-124 30,0.7
KK-125 480,2.1
KK-126 100,0.8
KK-133 +1000,6.2 .082oz/ton Au
KK-134 465,2.5
KK-135 +1000,5.0 .078oz/ton Au
MAP SHEET INDEX
1
2
3
LEGEND
Creek (Direction of Flow)
Helipad
Trench
Outcrop
Rock: Float
Assays: Au(ppb),Ag(ppm)
(unless otherwise stated)
1:1,000
GEOLOGICAL BRANCH
ASSESSMENT REPORT
17,404
BIGHORN DEVELOPMENT
CORPORATION
MT. MADGE PROJECT
GFJ GRID
SAMPLE
LOCATION SITE
Scale: 1:1,000
By:
Date: May, 1988
Revised:
Figure: 11