GEOLOGICAL, GEOCHEMICAL AND TRENCHING REPORT ON THE BISMARK PROPERTY

SLOCAN MINING DIVISION, B.C.
NTS: 082F/14E
LATITUDE 49°55'N LONGITUDE 117°04'E

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CREAM MINERALS LTD.
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by

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Consulting Geologist

January 9, 1998

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

25,334 ½

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SUMMARY

The Bismark silver-lead-zinc property is located near the town of Kaslo in southern British Columbia. The property has complex shear-breccia-replacement mineralization in a large roof pendant of Slocan Group metasediments within the Nelson Batholith. Past production (1896 - 1970) along a strike length of nine kilometres has been in excess of 210,000 tons of silver ore grading between 100 and 5000 g/t silver plus significant lead and zinc values.

This report presents the results of geological and geochemical surveys, followed by excavator trenching and rock chip sampling conducted from July to October 1997, throughout the Bismark claims held by Cream Minerals Ltd. Historically, mineralization in this area exhibits very high grade silver, lead and zinc values as confirmed by the rock sampling program. Sub-parallel mineralized shear zones occur along the length of the property and average several metres in width. These zones are readily identifiable by geological mapping and geochemical sampling. A program of detailed geological, surface geophysical and geochemical surveys to locate the most promising structures and grades of the shear-breccia-replacement zones, followed by diamond or reverse circulation rotary drilling is warranted.

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1) INTRODUCTION

The Bismark Property is a silver-lead-zinc prospect located 12 kilometres west of Kaslo in southern British Columbia. The property was acquired by Cream Minerals Ltd. from vendors Jack and Eric Denny in late 1996.

The Bismark Property lies within a roof pendant of Slocan Series sedimentary and metasedimentary rocks within the Nelson Batholith. A series of small past producing mines lie along a series of subparallel shear-breccia-replacement zones. Most notable of these historical showings is the Cork-Province Mine, while smaller workings on the property include the Dublin, Bismark, Gold Cure, Gibson, Hartford, Connection, Silver Bear, Index and Metropolitan. All of these showings include one or more small adits and numerous surface cuts which were worked sporadically from 1896 to 1970.

This report covers rock and soil sampling, and geological mapping conducted throughout the property from July to October, 1997. An excavator was utilized to dig trenches in favourable geological areas in order to assist with chip sampling. The purpose of this sampling project was to determine the width, grade and continuity of the mineralized shear-replacement structures.

Work was carried out by a four person crew working out of the town of Kaslo. Field work was supervised by the author.

2) LOCATION AND ACCESS

The Bismark Property is located along Keen Creek, 12 kilometres west of Kaslo in the Slocan Mining Division of southern British Columbia (Figure 1). The claims cover an area of approximately 20 square kilometres and are centred at latitude 49°55'N and longitude 117°04'E, all within NTS mapsheet 82F/14.

Access to the property is via Highway 31A for 7 kilometres west from Kaslo, then 6.5 kilometres southwest along Keen Creek Road to the property boundary. The property lies along and to the southeast of the Keen Creek Road for approximately 9.5 kilometres. New logging roads and numerous old mining roads and trails, some of which are heavily overgrown, bisect the property.

CORK/PROVINCE

The Cork/Province mine lies adjacent to the Keen Creek Road at kilometre 8. The millsite, waste dump and tailings are located on the northwest side of the road, while the main adit (No.3) is on the southeast side of the road. The Cork No.2 adit is about 150 metres southeast of the main road along a network of old mining roads, and the Province No.1 adit is along nearby Ben Hur Creek.

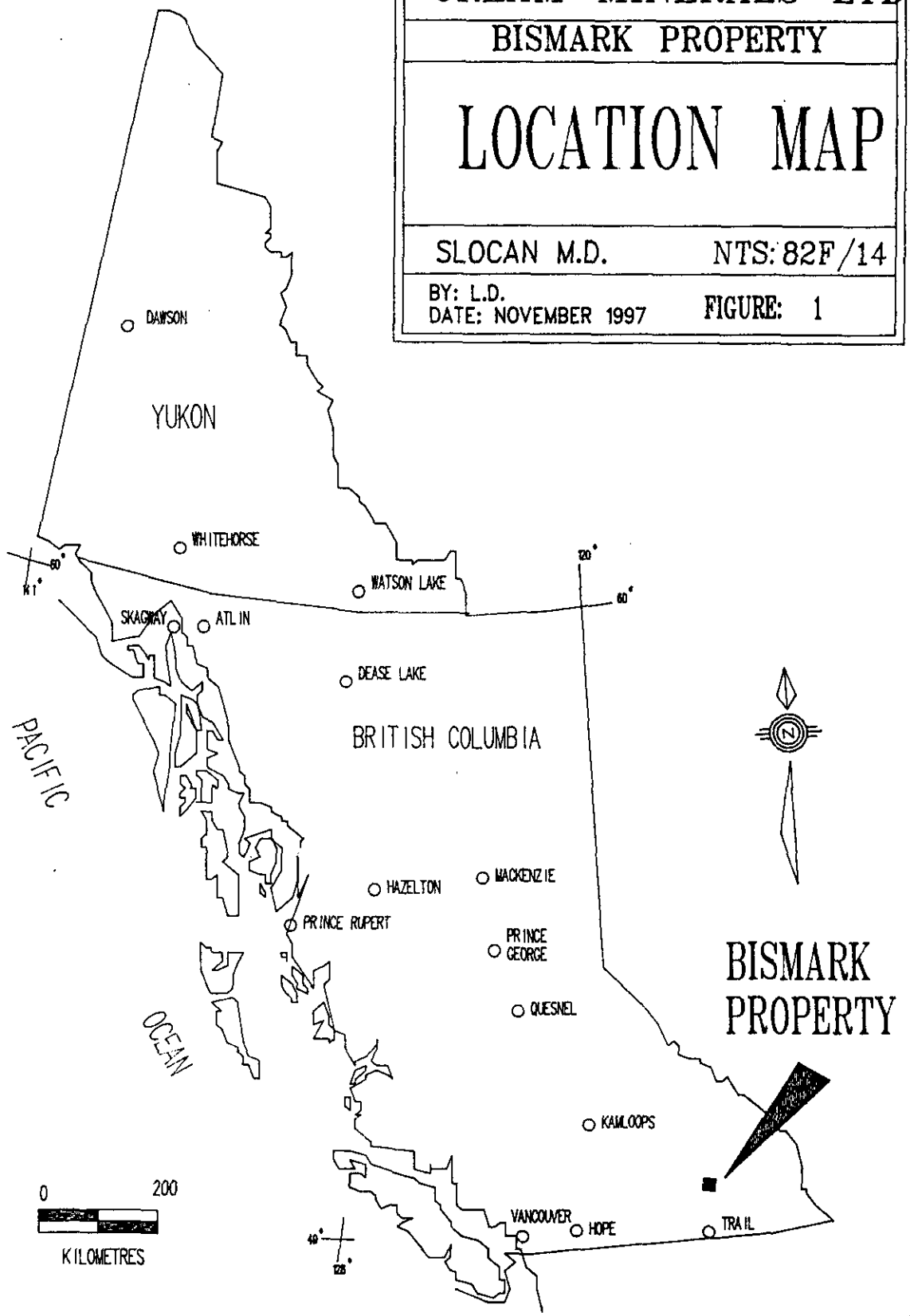
CREAM MINERALS LTD.

BISMARK PROPERTY

LOCATION MAP

SLOCAN M.D. NTS: 82F/14

BY: L.D.
DATE: NOVEMBER 1997 FIGURE: 1



DUBLIN

The Dublin workings are located along an old mining road which runs parallel to and about 250 metres uphill from the Keen Creek Road. This road leaves the Keen Creek Road near the Cork/Province mine site and goes southwest for 800 metres to the Dublin adit.

UPPER BEN HUR CREEK

Upper Ben Hur Creek is accessed by logging roads which leave the Keen Creek Road at the Cork/Province mine site (kilometre 8). This logging road switches back and crosses Ben Hur Creek twice before reaching its conclusion in a logged cut at kilometre 4.

BISMARK

The Bismark workings are accessed by a steep, narrow mining road which leaves a spur of the Ben Hur logging road 100 metres above the Keen Creek Road. The Bismark road leaves this spur road at kilometre 1.0 and heads southeast and switches back through the Briggs Creek valley for 2.6 kilometres to a small cabin (Bismark Cabin). From the cabin an overgrown road switches back to the north for a few hundred metres to access the Bismark workings.

GOLD CURE

Access to the Gold Cure workings follows the Bismark access road to the Bismark cabin. From the Bismark Cabin the road crosses Briggs Creek and switches back to the southwest for two kilometres to the ridge hosting the Gold Cure workings.

GIBSON

The Gibson workings are located on the northeast side of Klawala Creek. The Gibson access road leaves the Keen Creek road at kilometre 12 and switches back through the Klawala Creek valley for two kilometres to the Gibson workings.

HARTFORD

The Marsh Tunnel on the Hartford claim is accessed via cut line and old mining trails which leave the Gibson access road at its termination adjacent to the old Hartford cabin. The trail travels southeasterly for 300 metres to the Marsh Tunnel.

SILVER BEAR

A new logging road, criss-crossed by a series of old mining roads, leaves the Keen Creek Road at kilometre 14, near Kyawats Creek, and provides access across the Silver Bear claim. Logging and mining roads run adjacent to four of the adits: the No. 1, No.2, South Old Tunnel and North Old Tunnel. The main Keen Creek road passes the lowest working, the No. 3 adit.

CONNECTION

The connection workings lie on the north side of Kyawats Creek and are accessed via an overgrown mining road which branches off the new logging road running past the Silver Bear workings. This overgrown road crosses Kyawats creek 300 metres east of the Silver

Bear workings and then switches back to run sub-parallel to the creek for 400 metres. The workings are located about 50 metres northeast of this old road.

INDEX

The Index workings are located adjacent to Desmond Creek. The old mining access road leaves the Keen Creek road at kilometre 16 and switches back to the southeast for 800 metres to the workings. This road then switches back again and continues on to join up with the Silver Bear workings 700 metres to the northeast.

METROPOLITAN

The Metropolitan workings are accessed via trail which heads east leaving the Index/Silver Bear road near its mid point. This trail is approximately 400 metres long and switches back and climbs steeply. A new logging road which passes through the Silver Bear workings now ends about 100 metres to the north of the Metropolitan adit.

3) PHYSIOGRAPHY

The Bismark Property is located in an area of rugged mountainous terrain. Topography on the property is steep with elevations ranging from 1050 metres along the Keen Creek valley to 2200 metres on the Gold Cure ridge.

The Keen Creek valley runs along the northwest boundary of the property, with numerous tributaries crossing the property and emptying into Keen Creek. The major tributaries, from northeast to southwest are Ben Hur, Briggs, Klawala, Kyawats and Desmond Creeks.

Much of the claim area is covered with second growth forest consisting of hemlock, cedar, fir and occasional pine. Thick growths of alder and devil's club are found along many of the creeks.

4) HISTORY

The Bismark property consists of a number of small mines which were originally discovered and worked near the turn of the century for high grade silver ores during the heyday of the Slocan Mining Camp. Intermittent exploration, development and production took place at various locations on the property since that time, notably in the 1920s and 1950s. See Figure 2 for locations of the deposits discussed below.

CORK/PROVINCE

The Cork Group was consolidated in 1900 and by 1904 considerable development work, including the No.3 (or main haulage) crosscut had been completed. The adjoining Province Group was being operated independently at this time and a promising ore-body had been developed on the eastern extension of the Cork lode. From 1906 to 1913, the

two mines continued to be worked independently, but by agreement, the Province mine used the lower main access and mill of the Cork mine. The Cork and Province were consolidated in 1914, and development work renewed the following year. The development work up to 1920 did not produce satisfactory results, and the mine shut down. Operations were renewed in 1922, with a shaft sunk to explore lower levels where it was proved that the ore-bodies maintained their grade. From 1922 until 1935, production was mainly from the lower No.4 level. During the period 1950 to 1953, an internal shaft was deepened from No.6 to No.8 level and the continuation on dip of one section of the vein was explored. Most of the millfeed was mined from above No.6 level; the oreshoot below No.6 level was not stoped. From 1964 to 1966 the mine was worked mainly on No.7 and No.8 levels where ore which had been blocked out earlier was extracted.

Production commenced in 1903 and shipments were made up to 1909 inclusive, during which 16,000 tons of ore were mined at an average grade of 110 to140 g/t silver and 5% lead. The next period of production extended from 1913 to 1919 during which time over 24,000 tons were shipped averaging about 85 g/t silver and 4% lead. In 1918 and 1919 the shipments also contained 52,000 kilograms of zinc. Production resumed in 1923, and up to the end of 1926, included nearly 18,000 tons carrying between 110 to 140 g/t silver, over 5% lead and 2.5% zinc. During 1929, the Cork-Province mill treated nearly 6,000 tons containing net recovered metals as follows: gold 255 grams (0.04 g/t); silver over 567,000 grams (94.5 g/t); lead nearly 188,000 kilograms (3.5%); and zinc over 235,000 kilograms (4.3%). Total reported production of the Cork Mine is listed at 210,996 tons of .009 g/t gold, 70.3 g/t silver, 3.05% lead and 4.72% zinc.

More recently, programs were conducted on the Cork-Province claims by Arctex Engineering Ltd. in 1979 and 1992. In 1979, a program of surface prospecting, soil sampling and geological mapping was conducted on the property. In 1992, the main mine haulage access (No.3 crosscut adit) was reopened and geologically mapped and rock sampled.

There is presently neither machinery nor buildings on the property. The main haulage adit had been backfilled, but could be reopened with a back-hoe.

DUBLIN

The Dublin lode outcrops on the Dublin claim and is located 580 metres south and 275 metres vertically above the main adit of the Cork-Province mine. A shaft and crosscut located 60 metres below the surface outcropping, have opened up the lode with short drifts in either direction. These workings are credited with small production in early days.

Several surface cuts and three diamond drill sites are located southeast of the Dublin adit and likely date back to exploration in the 1950s although no documentation has been found to confirm this.

UPPER BEN HUR CREEK

During the course of prospecting to the northeast along the mineralizing trend which hosts the Gibson, Gold Cure and Bismark workings, several very old caved pits and workings were found in the upper Ben Hur Creek area. No historical data has been located with reference to these workings.

More recently, in 1983, soil and silt sampling surveys were undertaken in this area. One silt sample located near the above mentioned trend returned very high silver (37.2 ppm) and zinc (3100 ppm) results. The soil sampling results returned anomalous silver and zinc values up slope from the silt sample location.

BISMARK

The first recorded mention of the Bismark property was in 1898, but it came into some prominence in 1900 when three adits were driven. The property was worked at a small scale every year until 1910. Total production from 1898 to 1910 is recorded in Minister of Mines Annual Reports at 957 tons grading 2353 g/t silver and 5% lead, and in Zinc and Lead Deposits in Canada at 1063 tons grading 2863 g/t silver and 15% lead.

The property was idle from 1910 to 1928 when Consolidated Mining and Smelting Company (Cominco) optioned it, but dropped the option in fall of the same year. In 1951, the road to the Bismark property was upgraded in anticipation of the following season's work, which was not done.

The property then remained dormant until 1980 when the road was again upgraded. In 1982, the property had a preliminary evaluation by Greenwich Resources Inc. which included collecting 3 rock samples from the old workings. These samples gave average values of 598 g/t silver and 22% zinc. In 1984, geological mapping and a small program of soil sampling and VLF-Em surveying was conducted.

GOLD CURE

Very little historical information is available on the Gold Cure group. Records show that the claims were being worked, and ore was being shipped by 1898. In 1909, the only recorded shipment from this property was made, and was reported to be 20 tons of ore grading 2835 g/t silver and 50% lead. Development work in several adits and open cuts continued on these claims from 1917 to 1924. In 1950 and 1951 plans were made to diamond drill the property, but no further mention of this work was found.

More recently, in 1982, a reconnaissance soil and rock sampling program was conducted by Greenwich Resources Inc. on the Gold Cure group. Results of this work showed an average grade for rock samples of 490 g/t silver, 2.9% lead and 1.7% zinc. Soil sampling was demonstrated to be an effective exploration tool and was continued in 1983, accompanied by geological mapping and VLF-Em surveying. Seven diamond drill holes were put in to test the mineralized trend on the Gold Cure group in 1986 and returned mixed results.

GIBSON

Historical production from the Gibson workings from 1895 to 1935 is reported to be 676 tons grading 0.06 g/t gold, 482 g/t silver, 16% lead and 8% zinc. From 1895 to 1919 and 1923 to 1929, small scale development and production continued on the Gibson property. In 1926 and 1927, a two kilometre long tram line was put in from the workings to the Keen Creek road. In 1935, 1946, 1957 and 1967 small development or exploration programs were conducted on the property. The Gibson area has never been consistently worked as the property has been in litigation over ownership since 1919.

A property evaluation undertaken in 1957 blocked out 10,000 tons of ore grading 173 g/t silver, 6.0% lead and 8.3% zinc. No work, except road upgrading has been done on the Gibson property since 1957.

HARTFORD

The old Hartford workings consist of two caved adits covering a vertical distance of about 100 metres. The more southerly adit, known as the Marsh Tunnel, has a waste dump which exhibits galena, sphalerite and pyrite mineralization. No historical development or shipment records for the Hartford workings are available.

In 1984, Greenwich Resources Inc. did preliminary soil and rock sampling and a small VLF-Em survey on the Hartford claim. This work was followed up by more detailed soil sampling in 1987 by Strand Resources.

SILVER BEAR

Historical production (1919 to 1952) on the Silver Bear claim is recorded as 508 tonnes yielding 710,621 grams silver (or 1418 g/t), 9827 kilograms lead (or 2.15%), 8496 kilograms zinc (or 1.85%), and 85 grams gold. The first recorded work on the Silver Bear claim was in 1897, when two original cross-cuts were installed and three zones of high grade silver (>5000 g/t) were reported. Work on the property continued intermittently for the next 50 years, with total development in five tunnels equaling about 1200 metres of crosscutting, drifting and raising, together with numerous surface cuts to develop the two (three?) parallel veins. All underground workings are inaccessible at the present time.

Recent work on the Silver Bear claim consists of soil sampling and VLF-Em surveys done by Greenwich Resources in 1984 and by St. James Minerals Ltd. in 1985. An Induced Polarization survey in 1987 was followed up with a single diamond drill hole by Strand Resources Inc. in 1988.

In July 1997, Cream Minerals Ltd. diamond drilled three holes in the vicinity of the Silver Bear workings to test geochemical and geophysical anomalies defined by earlier work done by Strand Resources Inc. Bad ground conditions did not allow the drill holes to reach target depths.

CONNECTION

No historical data is available on the Connection area, with the exception of a reported property visit which may or may not refer to this area. A 1920 Munition Resources

Commission Report on a visit to the Index Mine, discussed a property visited afterwards that is believed to be the Connection ground. The author states that he took two samples of intrusive rocks which returned gold and platinum values.

In 1987, Strand Resources Inc. did a soil sampling survey in the Connection area. They did not test the soils for gold or platinum. A number of caved adits and old cuts were located during the course of the soil survey.

INDEX

The Index workings lie on both sides of the Keen Creek Road and comprise three adits aggregating about 400 metres of lineal work. The first reported work on the Index property was in 1905 when a small amount of development was done. The mine was worked annually until 1909, with increased production from 1915 to 1920 at which time most of the ore had been stoped out of the upper levels and development work was underway at depth. The property appears to have been idle until 1948 when it was restaked. In 1949, surface trenching was done, and six tons of 30 year old stockpiled ore was shipped, returning 779.6 g/t silver, 17.0% lead and 26.4% zinc. Incomplete production records for the Index mine state that 17 tons of ore was shipped from 1909 to 1949, grading 1814.4 g/t silver, 51% lead and 9% zinc. Minor development work was again done in 1951 followed by a small ore shipment in 1957. In 1967 to 1972, road building, trenching, geophysics and limited diamond drilling was done on the property.

METROPOLITAN

Very little historical information is available on the Metropolitan workings, which appear to have been worked in conjunction with the Index Mine as they lie on the same claim. In 1911, a reference to considerable development at the Metropolitan is reported. Cairnes (1935) states that the Metropolitan workings lies 300 metres above the road, and include two adits of unknown length. No shipment records for the Metropolitan have been found.

5) CLAIM INFORMATION

The Bismark Property is located within the Slocan Mining Division and consists of 7 modified grid, 10 crown grants, 8 reverted crown grants and 24 2-post claims to total 141 units (Figure 2). Claim information is listed in Table I.

TABLE I

CLAIM INFORMATION

Claim Name	Status	Units	Record No.	Anniversary Date
Bismark	Crown Grant	1	L11273	
Bismark 1	Modified Grid	20	255714	February 26
Bismark 2	Modified Grid	6	256203	March 25
Bismark FR	Two Post	1	266993	September 28
Broughton	Reverted C.G	1	255499	February 3
Broughton 1	Two Post	1	256397	September 21
Broughton 2	Two Post	1	256398	September 21
Broughton 3	Two Post	1	256399	September 21
Broughton 4	Two Post	1	256400	September 21
Butte	Crown Grant	1	L12410	
Charlie 1	Modified Grid	9	360498	November 9
Charlie 2	Modified Grid	20	360501	November 11
Charlie 3	Modified Grid	20	360502	November 11
Charlie 4	Two Post	1	360499	November 12
Connection	Modified Grid	8	256188	February 11
Connection Fr	Two Post	1	256189	February 11
Cork	Two Post	1	350252	November 9
Cork 1	Two Post	1	350252	September 2
Cork 2	Two Post	1	350251	September 2
Cork 3	Two Post	1	360505	November 12
Cork 4	Two Post	1	360506	November 12
Cork 5	Two Post	1	360507	November 12
Cork 6	Two Post	1	360508	November 12
Cork 7	Two Post	1	360509	November 12
Cork 8	Two Post	1	360510	November 12
Crown Point	Reverted C.G.	1	255460	January 18
Dublin	Two Post	1	255805	November 10
Francis	Crown Grant	1	L14365	
Full Rig	Reverted C.G.	1	255456	December 6
Gold Cure	Reverted C.G.	1	255454	December 6
Gold Cure Fr	Reverted C.G.	1	255455	December 6
Hartford	Reverted C.G.	1	255584	March 2
Highland Laddie	Crown Grant	1	L11275	
Ida	Crown Grant	1	L14368	
Index 1	Two Post	1	356677	June 16
Index 2	Two Post	1	356678	June 16
Index 3	Two Post	1	360500	November 9
Jennie	Crown Grant	1	L14366	
Manhattan	Two Post	1	318936	July 12
Mountain Goat	Crown Grant	1	L11274	

Oxide	Crown Grant	1	L14367	
Province	Two Post	1	328205	July 18
Province 1	Modified Grid	16	351863	October 18
Silver Bear	Reverted C.G.	1	255498	February 3
Silver Bear 1	Two Post	1	255995	October 17
Silver Bear 2	Two Post	1	255996	October 17
Spokane	Crown Grant	1	L14369	
Susquehanna	Reverted C.G.	1	255585	March 2
Wintrop	Crown Grant	1	L12409	

6) REGIONAL GEOLOGY

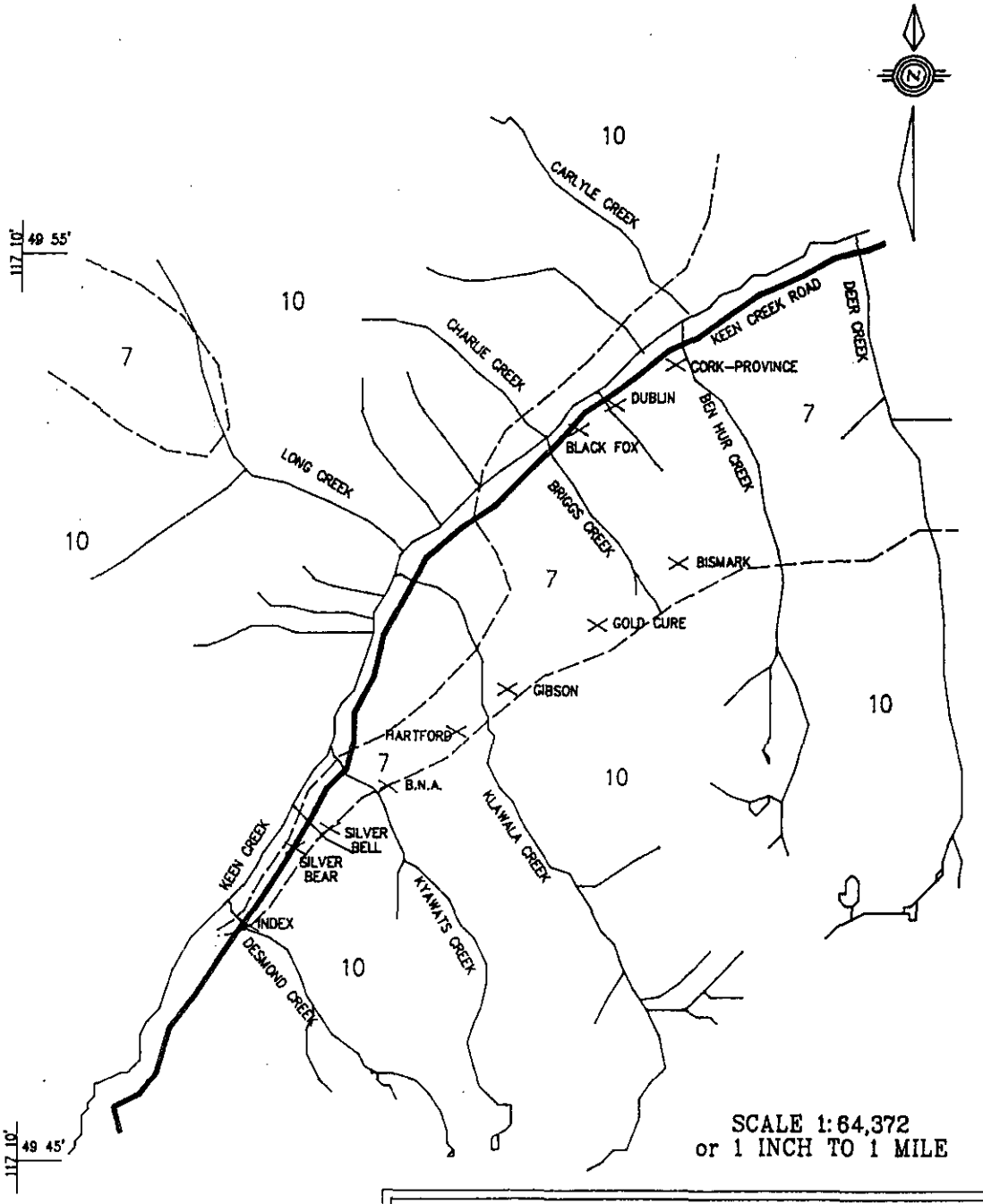
The Bismark Property is underlain by Triassic Slocan Group sedimentary and metasedimentary rocks. These rocks have been folded into a steeply dipping synclinal wedge bounded on the north and south by Cretaceous Nelson Batholith intrusive rocks. Faulting, shearing and metasomatism accompanied intrusive activities and are directly related to the formation of vein, breccia and replacement deposits of silver-lead-zinc (Figure 3).

The Slocan Group consists primarily of argillites, limestones, quartzites and minor schists. Sedimentary strata generally strike 035° to 050° and dip steeply to the northwest or southeast, with common local variations. Argillites are fine-grained, thinly bedded, well indurated and have a slatey cleavage. Carbonate content in the argillites increases at or near the contact with limestone units. Iron oxide staining is common in some areas and minor limestone concretions and inclusions are prevalent. Limestone units are fine-grained, grey on weathered surfaces, white on fresh surfaces and may host iron oxide stained pods of argillite. Quartzites are normally grey, fine-grained, well indurated rocks that are rarely found in areas of sulphide mineralization. Schistose phyllites are found throughout the Bismark property and may be of significance in locating new mineral deposits. The schistose phyllite is considered a metasomatized or metamorphosed argillite and may contain minor amounts of andalusite schist.

The Nelson Batholith is comprised of Cretaceous granitic intrusives which flank Slocan Group rocks to the northwest and southeast. Dykes of aplitic and granitic composition intrude and intersect the Slocan Group on the Bismark Property. Field relationships are unclear; but, it is assumed that these intrusive units are "late stage" events that have little or no bearing on the emplacement of silver-bearing sulphide mineralization.

Lamprophyre dykes of mafic to ultramafic composition containing hornblende, biotite and pyroxene may be associated with the Nelson Batholith intrusives. On exposure, this unit weathers into loose, coarse granular products.

Structurally, the Slocan Group roof pendant which has been folded into a doubly plunging syncline. Old mine workings appear to be near or on the axial plane indicating a major structural control on sulphide localization. Old literature often cites the presence of a "crushed zone" within argillite units where silver-bearing mineralization is present and may reflect on faulting and shearing events.



LEGEND

7 SLOCAN SERIES – slate, argillite, limestone quartzite and tuffaceous sediments

10 NELSON BATHOLITH – porphyritic granite

GEOLOGIC CONTACT

SHOWING

CREAM MINERALS LTD.

BISMARK PROPERTY

SLOCAN MINING DIVISION NTS: 82F/14

REGIONAL GEOLOGY MAP (after Cairnes, 1934)

BY: L.D.
DATE: NOVEMBER 1997

FIGURE: 3

7) PROPERTY AND ECONOMIC GEOLOGY

Geology and mineralization of the deposits summarized below has been compiled from Cairnes (1934, 1935), Report of the Zinc Commission (1906) and various government assessment and unpublished company reports listed in the references at the end of this report.

CORK/PROVINCE

The workings of the Cork-Province mine lie entirely within Slocan Group sediments. The contact with the Nelson batholith lies 300 metres to the north of the mine on the opposite side of Keen Creek. This contact plunges south and probably underlies the Cork-Province group at no great depth and the sediments in the vicinity of the mine are considerably metamorphosed. The strata tend to dip away from the batholithic contact, thereby assuming a position almost at right angles to the general north-westerly trend. Their strike here varies from 055° to 090°, dipping south from 50° to 90°, averaging 75°. The sediments include a large proportion of argillites, mostly characterized by a lesser or greater proportion of andalusite and commonly referred to as andalusite schists. Interbedded with these are some quartzitic beds and a number of crystalline limestone and other beds notably limy in composition. At the intersection of these limestones and limy strata by the main lode, the principal ore bodies have been developed.

The ore-bodies of the Cork-Province mine have been formed along a well-defined lode, designated as the "main vein", striking about 050° and dipping southeast at an average angle of 65°. This lode is a fault-fissure zone cutting obliquely across sedimentary beds of the Slocan series. The ore-bodies in each case have their most pronounced development where this lode intersects beds of crystalline limestone or other notably limy strata. The lode follows the course of a fault and, consequently, the limestone beds are displaced, the hangingwall section of the lode being offset, relatively to the footwall, about 25 metres to the west. The apparent displacement varies somewhat from one limestone bed to another, due to complications set up by numerous other faults of minor throw which angle across or run parallel with the main lode.

The shape of the ore-bodies and extent of ore deposition appear also to have been influenced by cross-fracturing running mostly in an east direction. These cross-fractures run either from wall to wall of the main lode or connect this lode with nearly faults. They have both directed and facilitated the upward course of ore-bearing solutions originating from the neighbouring batholithic intrusives. Where these solutions have come in contact with limestone or other limy strata they have effected an important replacement of these rocks for distances in places as great as 30 metres or more from the wall of the main lode, the distance being largely determined by the extent of cross-fracturing involving the limy beds.

Ore at the Cork-Province mine consists of an intimate mixture of sphalerite and galena with minor proportions of pyrite and chalcopyrite in a gangue composed largely of siderite but including varying amounts of quartz and calcite associated with altered wall rock.

1997 geological mapping of road cuts in the Cork-Province area is shown on Figure 4. Outcrops tend to be argillaceous andalusite or mica schists and occasional limestone. Bedding/foliation strikes generally east-west, and dips vertically or steeply to the south. Feldspar porphyritic intrusives outcrop along the Dublin road, and meta-intrusive in the form of biotite gneiss (with abundant pyrite and pyrrhotite) occur where the mineralizing structure crosses the main Ben Hur logging road.

Seven rock chip samples (labelled CPR0+39.5E to 0+56E) were collected from the rusty outcroppings of biotite gneiss along the Ben Hur logging road. The best grades obtained was from a 2 metre chip sample is 3.0 g/t silver and 0.25% copper. Rock grab samples were collected from the Province No.1 adit dump (PRO-1 and 2), from the Cork No.2 adit dump (CORK-2) and from two stoped areas (CORK-3 and PRO-3). All of these samples had high grade silver, lead and zinc values ranging from 124.5 to 677.8 g/t Ag, 0.80 to 29.54% Pb and 5.43 to 27.46% Zn. Gold values for these same samples range up to 0.71 g/t Au.

DUBLIN

Geologically, the Dublin mineralization appears to be similar to that found in the Cork-Province area. Shear-veins of siderite with varying amounts of galena and sphalerite can be seen in surface cuts and underground workings. These veins, which are 0.5 to 1.0 metre in width, strike 060^{o} and dip steeply to the south.

Seven rock grab/chip samples were collected from the Dublin workings in 1997 (Figure 4). DUB-1 to 3 are 40 to 50 centimetre chip samples collected from the main shear in the underground workings. No fresh sulphide mineralization was visible in these samples, however the sheared and brecciated rock is extremely rusty and contains abundant carbonate. Assays from these samples ranged from 10.7 to 55.1 g/t silver, up to 1.19% lead and up to 0.36% zinc. DUB-4 to 6 are chip samples collected from an open cut where an one metre siderite/sphalerite vein is visible. Sample DUB-5 was taken from this vein and DUB-4 and DUB-6 were taken from the footwall and hangingwall respectively. Sample DUB-5 ran 77.3 g/t silver, 2.11% lead and 4.48% zinc, while only traces of mineralization was obtained from the wallrock samples. Sample DUB-7 was taken from a second open cut located about 200 metres from the above described cut, and was a chip sample collected from a pyrite/pyrrhotite rich felsic dyke. See Table II for rock sample descriptions and results, and see the Appendix for Assay Certificates.

UPPER BEN HUR CREEK

Figure 5 shows geology and sample locations in the upper Ben Hur Creek logging road cuts. Rock types are argillite to quartzite, often metamorphosed to andalusite or mica schists, and minor interbeds of limestone. Bedding/foliation generally strikes between 035^{o} to 090^{o} and dips moderate to steep in either direction. This indicates a series of synclines and anticlines in the meta-sediments probably caused by nearby Nelson batholith intrusives. Small outcroppings of granodiorite are visible near the centre of the map sheet and a few felsic and mafic intrusive dykes can be seen toward the south end of the area.

At the southern terminus of the Ben Hur logging road, some very old pits and caved workings are visible near the top of the cut block and for a few hundred metres into the forest following a 135° trend. This trend of workings lines up with those to the southwest such as the Bismark, Gold Cure, Gibson, etc., and are believed to represent the northeastern extension of the mineralized zone. Additional work is required in this area to determine the significance of these workings.

Only one rock sample was collected in the Upper Ben Hur Creek area in 1997. Sample BH-1 was taken from andalusite schist hosted bull quartz veins, and no significant assay results were returned.

BISMARK

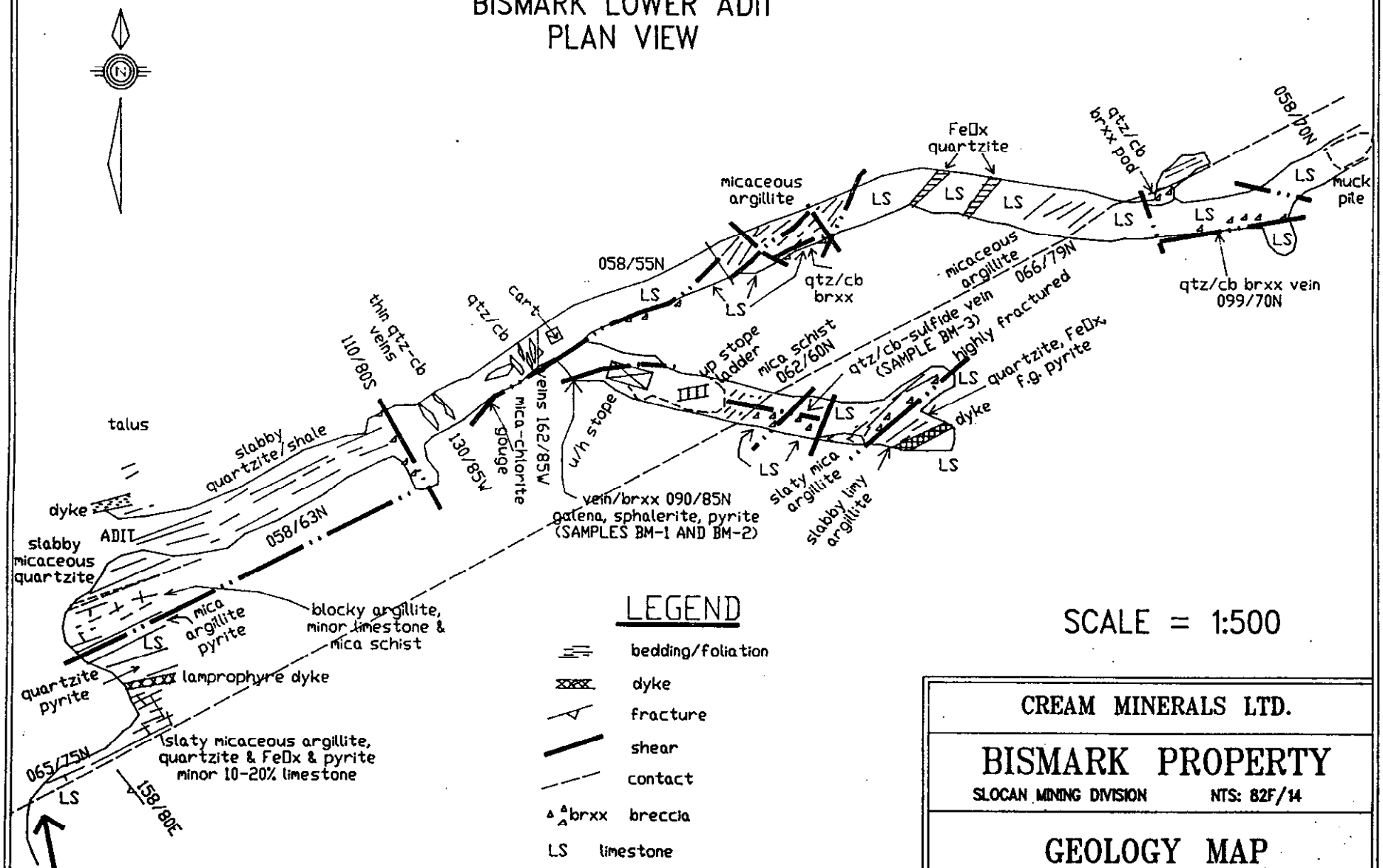
The Bismark workings lie mostly within a belt of interbanded argillites and limestone beds or otherwise limy strata of the Slocan series which is flanked and intruded by granitic rocks of the Nelson batholith. The sediments strike 055°, dip 70° to the northwest, and are intruded by a few dykes. The ore-bodies are formed partly by replacement of one or more limestone beds outcropping in the vicinity of the workings.

The workings comprise three adits over a vertical range of about 120 metres. They develop a lode that conforms nearly with the enclosing sediments, though in places it appears to strike more to the west. Early reports and mine maps indicate that a shoot of oxidized lead ore, some 10 metres long, exposed at the surface and encountered near the portal of the uppermost adit, persisted in chimney shaped form to the No.2 level 35 metres below; and is probably an extension of the same shoot as was encountered near the face of No.3 level at an additional depth of 70 metres; and at this lowest level the vein matter had a width of 60 centimetres.

At the surface, the lode is 1.2 metres wide and is of zinc carbonates with bunches of galena, a little quartz and pyrite and considerable oxidized material. The ore from the two upper levels is principally lead and zinc carbonates, with considerable iron oxide and quartz. The lead carbonates average from 6 to 10% lead and 3825 g/t silver, while the zinc carbonate ore has run up as high as 15% zinc, but is usually considerably lower. The lowest level shows a narrow, but well defined and high grade streak of sphalerite and galena. This shoot appears to be different in character from anything found in the upper levels of the mine.

During the 1997 field program the lowest (No.3) Bismark adit was mapped and a few rock chip and grab samples were collected. Figure 6 shows the Bismark surface workings and Figure 7 is a map of the underground workings. Figure 6 shows quartzite, argillite and limestone interlayers in the vicinity of the Bismark workings. Beddings tend to strike 070° and dip steeply toward the north. Figure 7 shows similar geology and bedding orientations in the underground workings. Numerous shears and faults are visible and tend to be related to ore emplacement, especially at the far end of the main drift, and along the cross-drift.

BISMARK LOWER ADIT
PLAN VIEW



LEGEND

- bedding/foliation
- dyke
- fracture
- shear
- contact
- brxx breccia
- LS limestone

SCALE = 1:500

NOTE: 3 metre chip samples BI97-1 0-3 to BI97-1 12-15 were collected between the southern limestone band and the adit opening along the outcrop mapped above.

CREAM MINERALS LTD.

BISMARK PROPERTY

SLOCAN MINING DIVISION NTS: 82F/14

GEOLOGY MAP
BISMARK LOWER ADIT

BY: L.D.
DATE: NOVEMBER 1997

FIGURE: 7

Two rock chip samples (BM-1 and 2) were collected underground from a 60 centimetre wide brecciated vein and returned values of 2134.5 and 2323.5 g/t silver, 0.27 and 0.23% lead and 26.36 and 31.25% zinc. Samples BM-3 to BM-6 are grab samples collected from dump piles on surface and graded from 483.3 to 5695.5 g/t silver, from 0.04 to 2.80% lead and from 3.29 to 30.23% zinc. A series of three metre rock chip samples (BI97-1 0-3 to BI97-1 12-15) were collected from outcrop adjacent to the lowest (No.3) adit, where it is believe the mineralizing structure comes to surface. The best result from these chip samples is sample BI97-1 6-9 which contained 5.6 g/t silver over three metres. See Table II for rock sample results and descriptions and Appendix for Certificates of Analyses and Assays.

GOLD CURE

There are no available historical descriptions of the mineralization encountered in several adits on the Gold Cure group. The general nature of waste material on the adit dumps is similar to much material in the Bismark dumps.

Mineralization is predominately pyrite with sphalerite and minor galena. Gangue minerals are quartz and calcite. The "vein" shows evidence of brecciation and exhibits replacement type ore textures. The original replacement of sulphide mineralization appears to have been along a plane of weakness paralleling the bedding and lithologic layering. The plane of weakness is now a shear zone near the comformable contact between the argillaceous rocks and the recrystallized coarse limestone of the Slocan series. Evidence to date indicates that the mineralizing event occurred during the late stages of intrusion and hydrothermal events of the Nelson batholith.

Figure 6 shows geological mapping undertaken in 1997 along road cuts on the Gold Cure group. Rock types mapped include quartzite, mica and andalusite schists, graphitic argillite and ridge forming limestone. Bedding/foliation orientations are generally 045^{o}, dipping steeply to the northwest, except immediately southwest of the Bismark cabin, where syncline and anticline structures affect the dips. In the vicinity of the Gold Cure workings, black graphitic shears which parallel bedding/foliation orientations are visible. The contact with the underlying Nelson batholith was mapped in the extreme south of the map area.

Rock samples GC-2 to GC-5 were collected from waste dumps at the No.1 to No.4 Gold Cure adits. These samples ranged in values from 1025.9 to 2467.5 g/t silver, 4.79 to 14.58% lead and 3.12 to 5.36% zinc. Samples GC-6 to 8 were chip samples taken across a poorly exposed outcrop of mineralized vein material located near the No.8 adit, and samples GC-7 and GC-8 (representing a true width of 65 centimetres) ran 153.7 and 175.6 g/t silver, 0.06 and 0.08% lead and 8.38 and 8.18% zinc respectively. Samples GC-1 and GC-9, collected from quartz rich materials in old workings, returned low values.

Samples 97CURE-1 to 3 were chip samples, of rusty pyrite and pyrrhotite rich quartzitic units, collected along the Gold Cure access road. These samples gave results up to 7.4 g/t silver, 0.05% lead and 0.16% zinc.

GIBSON

The Gibson workings lie in a belt of Slocan sediments about 600 metres wide and striking northeasterly. The belt of sediments is intruded on both sides by granitic rocks of the Nelson batholith. In the vicinity of the mine workings abundant limestones and other calcareous rocks are interlayered with argillaceous and quartzitic beds, some of which are quite carbonaceous. The average dip is about 75^{o} to the northwest.

Nine adits have explored two nearly parallel lodes, known as the "A" and "B" lodes. These lodes are about 90 metres apart and conform very nearly with the strike and dip of the enclosing rocks. A third, or "C" vein is reported to outcrop about 75 metres southeast of the "B" vein, but it was not located. The "A" lode is a mineralized, sheared and brecciated zone over a metre wide, filled with broken rock and carrying in places disseminated sphalerite, galena, and pyrite associated with siderite and a little quartz. The "B" lode's average width is less than that of the "A" lode. This ore contains galena in solid cubes and bands, or mixed galena and sphalerite with pyrite and a little chalcopyrite in a gangue of siderite and partly replaced wallrock. The walls show much slickensiding and carbonaceous matter.

In general, mineralization seems to be largely a replacement of the wall rocks and is more pronounced where the rocks are most calcareous. The mineralization is mainly pyrite, sphalerite and coarse and fine grained galena. Cerrusite, siderite and non-sulphide zinc were noted particularly in the upper workings.

Figure 8 shows the location of the Gibson No.1 to No.9 and L adits, and the approximate surface trace of the "A" and "B" lodes. Historically, it was thought that the Gibson workings lie within a steeply dipping syncline of sediments. Additional geological mapping in this area is required in order to do a structural interpretation.

In 1997, samples were collected from waste dumps at the No.1 to No.7 and "L" adits (see Figure 8). These samples contain high grade sphalerite, galena and pyrite in a quartz-carbonate gangue (see Table II for results). Assays from the No.1 to No.7 dumps (samples WIN#1 to WIN#7) returned values averaging 931.7 g/t silver, 14.71% lead, 10.30% zinc and 0.43 g/t gold. In the vicinity of the No.3 adit, chip samples were collected from the footwall (sample WIN#3-1) and across rusty sediments and quartz-galena vein material in an open cut (samples WIN#3CUT-1 to 5). The footwall rocks contained only traces of mineralization, while the open cut material ran up to 600.3 g/t silver, 1.71% lead and 0.78% zinc over 85 centimetres.

HARTFORD

The old Hartford workings consist of two caved adits covering a vertical distance of about 100 metres. The underground workings appear to be located at or near the axial plane of the synclinally folded roof pendant of Slocan metasediments, indicating a major structural control on sulphide mineralization and localization. The country rocks are argillaceous and calcareous members of the Slocan series. Sulphide mineralization (as seen in old

dumps) consists of galena, sphalerite and pyrite occurring as irregular replacements in silicified shear zones within altered limestones.

In 1997, one sample was collected from Marsh Tunnel waste dump material located on the Hartford claim. Sample HART-1 returned values of 545.2 g/t silver, 0.44% lead, 2.49% zinc and 0.77 g/t gold. A second working (caved adit?) located 100 metres north of the Marsh Tunnel showed outcroppings of rusty pyritic argillite/quartzite. No economic mineralization was seen.

SILVER BEAR

The Silver Bear workings comprise six adits covering a vertical distance of 1220 metres. Most of the development work has been carried out at the northern end of the Silver Bear reverted crown grant L1781 which developed an ore zone to a depth of 100 metres. All of the workings are inaccessible at this time.

These workings lie along a sheared and fissured mineralized zone situated toward the middle of a belt of Slocan sediments having a width, on this claim, of between 450 to 600 metres. The belt has a general northeasterly trend and the strata composing it have the same general strike. The sediments comprise interbedded limy and quartzitic argillites, limey quartzites, and some beds of nearly pure limestone. The belt of sediments is flanked by granitic intrusives of the Nelson Batholith, chiefly coarse grained porphyritic granite which, near the sedimentary contacts is less porphyrytic and somewhat more basic than elsewhere. The sediments tend to dip away from the granitic contacts, so that the general structure of the belt is synclinal. This structure is, however, complicated by much faulting and shearing.

The lode system on the property has a general northeasterly strike, dips southeast at about 65^{o}, and has been traced by underground and surface workings over a length of about 300 metres. As indicated by the workings there are two principal lodes that are nearly parallel and are separated by an interval of 25 metres or so of comparatively massive rock. The lodes are zones of strong shearing and fissuring with each varying from less than 30 centimetres to several metres in width, and are composed of broken and crushed rock plus ore and gangue minerals. Most of the work has been done on the more westerly or "foot-wall" lode. The ore in the upper workings lay against a heavy seam of gouge on the hanging-wall side of the lode and consists of broken bodies of quartz with some calcite, siderite, and ore minerals. The latter include galena, sphalerite, pyrite and one or more silver bearing minerals (including native silver). The more easterly or "hanging-wall" lode is similar in type to the "foot-wall" lode.

In 1997, geological mapping of road cuts in the Silver Bear area is shown, with rock sample locations, on Figure 10. This area is underlain by massive to banded, often schistose quartzite and argillite, with occasional limestone interlayers. Fine grained pyrite and pyrrhotite is often present in more quartzitic sections. Bedding/foliations generally strike about 060^{o} and dip moderately to the south. The main mineralizing feature is a 25 metre wide shear zone trending across the area at 040^{o}. Numerous normal fault offsets

affect this sheared mineralization, with offset distances of up to 75 metres. Mineralization along this sheared zone consists of pods and bands containing galena or sphalerite within gougy graphite, oxide, clay and talc.

Grab rock samples containing sphalerite, galena and pyrite were collected from many of the waste dump piles of the old Silver Bear workings. Grab samples SB-1, 2, 5, 7, 8, 17, 30-32 returned values ranging from trace to 4536.5 g/t silver, 15.59% lead, and 15.55% zinc. The remainder of the rock samples collected at Silver Bear are chip samples taken whenever possible from outcrop exposed in old caved trenches. These samples generally did not represent examples of good mineralization, but rather tend to represent footwall or hangingwall rocks. Assay values from chip samples ranged up to 92.0 g/t silver and 1.32% zinc over one metre and 147.1 g/t silver over 90 centimetres.

Chip samples B140-146.2 (6.2 metres), B146.2-B148 (1.8 metres) and B148-B153 (5 metres) were collected from a new logging road cut, which obliquely bisects the Silver Bear mineralized shear zone. These samples are of graphitic and oxidized shear gouge containing pods and bands of galena and sphalerite. Sample results from these three chip samples are 3.9, 2171.4 and 26.0 g/t silver, 0.05, 9.08 and 0.13% lead, and 0.11, 1.39 and 0.25% zinc respectively. Grab sample B175 was collected 25 metres farther along the road cut and ran 2361.8 g/t silver, 10.43% lead and 14.26% zinc. This road cut area was later re-opened by excavator as Trench TR97-11 during the trenching phase of this year's field work (see Section 8 of this report).

Samples B60-62 (2 metres), B275-285 (10 metres), B285-290 (5 metres), B305-308 (3 metres), and B308-310 (2 metres) are chip samples collected at the corresponding meterages on the new Silver Bear logging road cut. Sample B60-62 was taken from black graphitic gouge and ran 8.4 g/t silver and 0.13% zinc and sample B308-310, taken from a shear zone, returned 13.3 g/t silver and 0.15% lead. These zones likely represent mineralized shear structures running parallel to the main Silver Bear zone.

CONNECTION

In the 1920 Munition Resources Commission Report, after a visit to the Index Mine the author headed toward the Connection area and reported:

> "...we returned down the wagon road about 1 mile to a point where a rock-slide from a mountain lying to the south reaches the road.
>
> The rock fragments forming this slide consist of various phases of the local granodiorite, and range from those containing mainly blackish-green ferro-magnesian silicates to angular fedspathic fragments of a white to pinkish colour and a dense structure resembling quartzite.
>
> ...the last mentioned type of rock was material that had been sent to be assayed and which was reported to contain a trace of platinum. On examination of the rock I found that it contained specks and small masses of a hard, dark coloured mineral which appeared to be almost free from weathering effects, more so than

the rock itself. Two samples of the light coloured rock containing the dark mineral were taken and returned 1.13 and 1.70 g/t gold and 2.27 and 1.42 g/t platinum."

During the 1997 field season, two rock samples were collected from a granodiorite bearing rock slide adjacent to the Keen Creek Road. One sample (PT-1) was from the granodiorite which contained minor fine grained pyrite, and the other (PT-2) was from a fine grained felsic phase of the intrusive which contained small dark hard magnetite crystals. Neither of these samples contained any mineralization of significance.

Figure 9 shows the Connection area workings and rock sample locations. Five grab and chip samples (CON-1 to 5) were collected from the area of the old workings. All samples were analyzed for platinum and palladium in addition to gold, silver and multi-element ICP. The best results from these samples is 23.0 g/t silver in CON-1, none of the other samples returned any significant results. The numerous workings (i.e. eight caved adits and several open cuts) could not be explained by the results of this program.

INDEX

The southeastern contact of a belt of Slocan sediments with coarse grained granitic intrusives of the Nelson batholith passes through the Index property. The sediments consist of limey and quartzitic argillites, most of which are considerably fractured and sheared, and are cut by several dykes and sills of feldspar porphyry. They strike from 005° to 040°, and dip 70° to the southwest. The narrow body of sediments lies parallel to the valley bottom and is bounded on both sides by granitic intrusives of the Nelson batholith. Minor folds and shears have occurred with the intrusion. The long axis of shearing is responsible for mineralization which occurs in a strong 3 to 9 metre wide shear zone.

Fissure veins and replacements occur in folded meta-sedimentary rocks near the granitic rocks. The upper two adits explore a mineralized crushed zone striking about 125° and dipping steeply but irregularly to the southwest or occasionally northeast. The lode is composed of chiefly crushed rock, but carries pockets and narrow veins, consisting mainly of quartz, although containing some siderite and calcite and variable proportions of galena, sphalerite and pyrite. A crushed zone exposed on surface carries narrow veins of quartz, galena, sphalerite and pyrite.

Figure 11 shows mapping done in 1997 on road cuts in the Index area, which confirms the historical geology reported above. No detailed mapping was done in the vicinity of the workings.

Two grab rock samples were collected from waste dump material at the intermediate (or No.2) adit. These samples, INDEX-1 and 2, were collected from sphalerite, galena, pyrite and quartz rich rocks. Assays returned were 35.3 and 158.1 g/t silver, 0.8 and 4.38% lead, 0.1 and 10.53% zinc, and 0.41 and 1.47 g/t gold.

METROPOLITAN

Figure 11 shows the location of the Metropolitan workings. Historical records indicate the presence of two adits, however only one caved adit and several very old open cuts were located. The workings are located along the contact of a narrow roof pendant of Slocan sediment and granodiorite of the Nelson batholith. This contact trends approximately 030^{o} in the Metropolitan area.

Two grab rock samples were collected in 1997. Sample MET-1 was taken from waste dump material beside the caved adit and was comprised of carbonate-rich breccia with minor galena and returned 51.9 g/t silver, 0.5% lead and 0.2% zinc. Sample MET-2 was taken from a granodiorite outcrop which showed small specks of a dark coloured mineral. This sample was analyzed for platinum and palladium, as well as the usual suite. Assay results from MET-2 returned 4.9 g/t silver, but no other values of any significance.

DISCUSSION

All of the above described showings and old mines tend to lie along mineralized shear structures which trend northeasterly, either parallel to or obliquely crossing meta-sedimentary bedding. Geology and geochemistry indicate that many of these showings may lie on the same structures.

The Cork, Province, Dublin (and adjacent Black Fox) workings lie along a series of shear zones in the Keen Creek valley. These shears have been explored for a strike of about 1.5 kilometres, and are open in both directions and at depth.

The Upper Ben Hur workings, Bismark, Gold Cure, Gibson, Hartford, Connection, Silver Bear and Index mines line up along a series of one to three or more parallel shear zones located sub-parallel to and about 1.2 kilometres southeast of those hosting the Cork, Province and Dublin workings. This zone strikes northeasterly and trends for about 7 kilometres. This shear zone is open to the north and at depth, but trends into Kokanee Glacier Park on the south where exploration is not permitted.

A third band of mineralization is located subparallel to the above mentioned shears and about 300 metres southeast of the Connection-Silver Bear-Index area. This zone trends along the contact with the Slocan sedimentary rocks and Nelson batholith granodiorites. The BNA and Silver Bell (not located on Cream Minerals Ltd.'s ground) and the Metropolitan line up along this belt which is about 1.5 kilometres long. This shear zone is open to the north, but trends into Kokanee Glacier Park on the south where exploration is not permitted. Depth potential for this zone may be limited due to the extent of the underlying granodiorites.

Mineralization could be found anywhere along these sub-parallel shear zones, but historically has primarily been located at higher elevations where outcrop exposure is good. In valley bottoms, very little exploration work has been done due to problems with overburden. In all, a total of over 9 kilometres of mineralized trends exist on Cream Minerals Ltd.'s property to be further explored.

TABLE II

ROCK SAMPLE RESULTS

SAMPLE #	LOCATION	DESCRIPTION	Ag (g/t)	Pb (%)	Zn (%)
CORK#2	CORK	grab-ZnS,PbS,FeS_2,qtz	231.1	9.44	5.43
CORK#3	CORK	grab-PbS,ZnS,seds	24.5	0.80	17.80
PRO-1	CORK/PROVINCE	grab-massive PbS	677.8	29.54	5.68
PRO-2	CORK/PROVINCE	grab-massive ZnS1	170.8	2.26	22.43
PRO-3	CORK/PROVINCE	grab-FeS_2,ZnS,PbS	343.7	8.35	27.46
CPR0+39-0+41.5E	CORK/PROVINCE	2m chip-rusty shear	0.5	<0.01	0.02
CPR0+41.5-0+43E	CORK/PROVINCE	1.5m chip-rusty shear	0.3	<0.01	0.01
CPR0+44-0+46E	CORK/PROVINCE	2m chip-rusty shear	0.8	<0.01	0.01
CPR0+46-0+48E	CORK/PROVINCE	2m chip-rusty shear	3.0	<0.01	0.01
CPR0+50-0+52E	CORK/PROVINCE	2m chip-rusty shear	<0.3	<0.01	0.01
CPR0+52-0+54E	CORK/PROVINCE	2m chip-rusty shear	<0.3	<0.01	0.01
CPR0+54-0+56E	CORK/PROVINCE	2m chip-rusty shear	<0.3	<0.01	0.01
BH-1	CORK/BENHUR	grab-qtz veins	0.6	<0.01	<0.01
DUB-1	CORK/DUBLIN	50cm chip-qtz/cb shear	14.9	0.10	0.07
DUB-2	CORK/DUBLIN	50cm chip-clay/cb shear	10.7	0.12	0.16
DUB-3	CORK/DUBLIN	40cm chip-qtz/cb shear	55.1	1.19	0.36
DUB-4	CORK/DUBLIN	50cm chip-felsic dyke/qtz	0.3	0.03	0.26
DUB-5	CORK/DUBLIN	120cm chip-ZnS/PbS/$FeCO_3$	77.3	2.11	4.48
DUB-6	CORK/DUBLIN	65cm chip-rusty,schisty seds	0.6	0.01	0.25
DUB-7	CORK/DUBLIN	grab-felsic dyke,pyrite	6.8	0.11	0.15
BM-1	BISMARK	60cm chip-shear,rusty,qtz-cb, minor PbS,ZnS	2134.5	0.27	26.36
BM-2	BISMARK	grab-same as BM-1	2323.5	0.23	31.25
BM-3	BISMARK	grab-seds,minor PbS/ZnS	814.6	1.67	5.91
BM-4	BISMARK	grab-$PbCO_3$,$ZnCO_3$	1723.2	2.80	7.99
BM-5	BISMARK	grab-$PbCO_3$,$ZnCO_3$	5695.5	2.36	30.23

TABLE II

ROCK SAMPLE RESULTS

SAMPLE #	LOCATION	DESCRIPTION	Ag (g/t)	Pb (%)	Zn (%)
BM-6	BISMARK	grab-FeS_2,PbS,ZnS	483.3	0.04	3.29
BI97-1 0-3	BISMARK	3m chip-rusty seds	<0.3	<0.01	0.01
BI97-1 3-6	BISMARK	3m chip-rusty seds	4.6	<0.01	0.01
BI97-1 6-9	BISMARK	3m chip-rusty seds	5.6	0.01	0.03
BI97-1 9-12	BISMARK	3m chip-rusty seds	<0.3	<0.01	0.01
BI97-1 12-15	BISMARK	3m chip-rusty seds	<0.3	<0.01	0.01
GC-1	GOLD CURE	grab-qtz,FeOx	0.3	<0.01	<0.01
GC-2	GOLD CURE	grab-brxx qtz/cb,PbS,ZnS	1025.9	14.58	3.12
GC-3	GOLD CURE	grab-brxx qtz,FeS_2,PbS	2467.5	6.41	4.80
GC-4	GOLD CURE	grab-qtz,FeS_2,PbS,ZnS	1264.6	5.01	3.93
GC-5	GOLD CURE	grab-qtz,FeS_2,ZnS,PbS	2017.9	4.79	5.36
GC-6	GOLD CURE	250cm chip-gouge,FeOx	7.5	0.04	0.15
GC-7	GOLD CURE	35cm chip-qtz,ZnS,PbS	153.7	0.06	8.38
GC-8	GOLD CURE	30cm chip-seds,FeOx,gouge	175.6	0.08	8.18
GC-9	GOLD CURE	grab-qtz,FeOx,gouge	4.5	0.01	0.03
86-2 105-107	GOLD CURE	old core-gouge	1.5	0.01	0.02
86-4 176-183	GOLD CURE	old core-gouge	1.1	0.01	0.01
86-7 98-100.5	GOLD CURE	old core-gouge	0.3	<0.01	0.01
97CURE-1	GOLD CURE	50cm chip-qtzite,FeOx,FeS_2	7.4	0.05	0.19
97CURE-2	GOLD CURE	3m chip-qtzite,FeOx,FeS_2	2.4	<0.01	0.06
97CURE-3	GOLD CURE	grab-dyke,FeOx	0.4	<0.01	<0.01
WIN#1	GIBSON	grab-ZnS,PbS,FeS_2,qtz	320.5	15.76	5.31
WIN#2	GIBSON	grab-ZnS,minor PbS,FeS_2	188.3	0.10	6.21
WIN#3	GIBSON	grab-ZnS,PbS,FeS_2	2264.3	10.14	10.45
WIN#4	GIBSON	grab-ZnS,PbS,FeS_2	552.1	24.69	14.00
WIN#5	GIBSON	grab-ZnS,minor PbS,FeS_2	446.8	5.06	15.78
WIN#6	GIBSON	grab-ZnS,PbS,FeS_2	507.6	14.09	5.69
WIN#7	GIBSON	grab-ZnS,PbS,FeS_2	2232.6	33.13	14.65
WIN X	GIBSON	1m chip-chalcedonic qtz	0.4	<0.01	0.01
WIN#3-1	GIBSON	5m chip-seds,py/po	3.4	0.03	0.05
WIN#3CUT-1	GIBSON	60cm chip-qtz,arg,rusty	73.6	0.13	0.06
WIN#3CUT-2	GIBSON	150cm chip-seds	7.2	0.10	0.10
WIN#3CUT-3	GIBSON	40cm chip-qtz,PbS,gouge	277.6	1.40	0.06
WIN#3CUT-4	GIBSON	220cm chip-seds	20.1	0.20	0.07
WIN#3CUT-5	GIBSON	85cm chip-rusty seds	600.3	1.71	0.78
L ADIT	GIBSON	grab-gouge,seds,FeS_2	2.1	0.01	0.01

TABLE II

ROCK SAMPLE RESULTS

SAMPLE #	LOCATION	DESCRIPTION	Ag (g/t)	Pb (%)	Zn (%)
HART 1	HARTFORD	grab-FeS_2,minor PbS/ZnS	545.2	0.44	2.49
CON-1	CONNECTION	grab-qtz	23.0	0.01	0.07
CON-2	CONNECTION	grab-siliceous sed,po	7.2	0.01	0.04
CON-3	CONNECTION	grab-quartzite	3.8	<0.01	0.01
CON-4	CONNECTION	grab-qtz,limonite	0.7	<0.01	0.01
CON-5	CONNECTION	120cm chip,qtzite,FeOx,po	<0.3	<0.01	0.01
PT-1	CONNECTION/PT	grab-felsic dyke, qtz, mag	1.4	0.03	0.08
PT-2	CONNECTION/PT	grab-diorite,FeS_2	0.3	0.01	0.02
SB-1	SILVER BEAR	grab-ZnS,FeOx,qtz	29.1	0.13	2.15
SB-2	SILVER BEAR	grab-qtz,FeOx,ZnS,chl	3481.2	0.14	3.25
SB-3	SILVER BEAR	130cm chip-gouge,qtz	10.0	0.02	0.16
SB-4	SILVER BEAR	100cm chip-gouge,qtz	20.0	0.02	0.14
SB-5	SILVER BEAR	grab-ZnS,PbS,qtz,FeOx	68.1	0.48	15.55
SB-6	SILVER BEAR	100cm chip-seds,ZnS,PbS	92.0	0.01	1.32
SB-7	SILVER BEAR	grab-PbS,ZnS,$CuFeS_2$	4536.5	15.59	6.20
SB-8	SILVER BEAR	grab-ZnS,PbS	291.6	0.07	11.50
SB-9	SILVER BEAR	160cm chip-rusty metased	0.3	0.01	0.04
SB-10	SILVER BEAR	105cm chip-metaseds	0.7	0.01	0.04
SB-11	SILVER BEAR	75cm chip-seds,FeOx	2.1	0.01	0.10
SB-12	SILVER BEAR	160cm chip-rusty metased	0.3	<0.01	0.03
SB-13	SILVER BEAR	120cm chip-metased,PbS,ZnS	0.3	<0.01	0.04
SB-14	SILVER BEAR	105cm chip-metased,PbS,ZnS	0.3	<0.01	0.03
SB-15	SILVER BEAR	90cm chip-ZnS,PbS,metased	1.7	0.04	0.09
SB-16	SILVER BEAR	105cm chip-rusty metased	<0.3	<0.01	0.02
SB-17	SILVER BEAR	grab-qtz,ZnS,FeS_2,PbS	105.9	0.32	4.74
SB-30	SILVER BEAR	grab-qtz/cb,po,minor PbS	1.5	0.01	0.02
SB-31	SILVER BEAR	grab-cb,minor ZnS,PbS	36.4	0.16	0.37
SB-32	SILVER BEAR	grab-qtz,FeS_2	<0.3	<0.01	<0.01
TR-SB-2	SILVER BEAR	60cm chip-seds	2.7	0.01	0.10
TR-SB-3	SILVER BEAR	90cm chip-gouge,ZnS	147.1	0.01	0.04
TR-SB-4	SILVER BEAR	80cm chip-gouge,seds,qtz	29.3	0.02	0.13
TR-SB-5	SILVER BEAR	90cm chip-seds,qtz,gouge	5.0	<0.01	0.07
B60-62	SILVER BEAR	2m chip-graphitic gouge	8.4	0.03	0.13
B140-146.2	SILVER BEAR	6.2m chip-shear/gouge	3.3	0.05	0.11
B146.2-148	SILVER BEAR	1.8m chip-shear/gouge	2171.4	9.08	1.39
B148-153	SILVER BEAR	5m chip-shear/gouge	26.0	0.13	0.25
B175	SILVER BEAR	grab-shear/gouge,PbS	2361.8	10.43	14.26

TABLE II

ROCK SAMPLE RESULTS

SAMPLE #	LOCATION	DESCRIPTION	Ag (g/t)	Pb (%)	Zn (%)
B275-285	SILVER BEAR	10m chip-shear/gouge	2.0	<0.01	0.07
B285-290	SILVER BEAR	5m chip-shear/gouge	2.0	0.01	0.07
B305-308	SILVER BEAR	3m chip-shear/gouge	1.8	<0.01	0.02
B308-310	SILVER BEAR	2m chip-shear/gouge	13.3	0.15	0.07
INDEX-1	INDEX	grab-qtz,FeS_2,PbS	35.3	0.85	0.08
INDEX-2	INDEX	grab-FeS_2,PbS	158.1	4.38	10.53
MET-1	METROPOLITAN	grab-cb,PbS,minor FeS_2	51.9	0.46	0.23
MET-2	METROPOLITAN	grab-granite	4.9	0.02	0.01

8) TRENCHING AND CHIP SAMPLING

Once preliminary prospecting, grab and chip sampling and geological mapping were completed on the Bismark Property, an excavator trenching program was implemented. A total of 13 trenches reached bedrock, and several did not. Figures 4, 6, 8 and 10 show the locations of these trenches, and Figures 12 to 22 are detailed trench maps.

CORK

Two trenches were excavated in the Cork mine area (Figure 4). Trench T97-7 was put in over the crown pillar of the old Cork mine workings (Figure 16). This trench intersected four metres of semi-massive pyrite, sphalerite and galena mineralization hosted within interbedded siliceous argillite and andalusite schist. The mineralization was soft, sheared and gougy for two metres and was hard and resistive for an additional two metres. Rock chip sample results for this four metre section averaged 30.7 g/t silver, 1.27% lead and 1.08% zinc. The surface trace of the main shear zone mined at Cork is located 15 metres west of this intersection and it is believed that this zone represents a secondary parallel zone to the main mine orebody. Deep overburden and groundwater problems did not make bedrock exposure possible at the main target area.

Trench T97-8 is located 200 metres to the southwest of T97-7 and about 100 metres southwest of the main Cork mine crosscut. This trench intersected bedrock from 4 to 18 metres, and semi-massive sulphide mineralization from 6 to 15 metres (Figure 17). The mineralization in this trench is variable, ranging from blue clay gouge with galena, to iron oxide with galena and sphalerite, to hard, resistive, massive galena and sphalerite, to banded galena and sphalerite in limestone. The apparent hangingwall rocks are micaceous argillites and andalusite schist, and the footwall is comprised of bleached, soft sericite schist. A large granitic boulder obscured the hangingwall contact and part of the mineralized section. Rock chip samples were collected at two metre intervals where possible, and the average over the mineralized exposure is 136.7 g/t silver, 3.45% lead and 6.47% zinc over 9 metres or a true width of about 6.5 metres.

BISMARK

Several trenches were excavated downslope of the lowest Bismark adit (Figure 6). None of these trenches intersected bedrock, due to deep slide and talus rocks in the area. An old trench was re-opened in the Briggs Creek valley, near the Bismark cabin (T97-6). This trench was not located along the trend of the mineralizing shear which runs between the Bismark and Gold Cure workings, and did not intersect mineralization. One rock chip sample was taken of rusty argillite/quartzite rock, but did not return any significant results.

GOLD CURE

Five trenches (T97-1 to 5) were excavated on the Gold Cure claims (Figure 6). Trench T97-4 did not intersect bedrock. Trench T97-2 was located in the footwall of the shear zone, and showed extremely sheared rock, but only traces of mineralization (Figure 13). Trench T97-3 was dug across a secondary structure to the west of the main shear zone and intersected 20 centimetres of graphitic shear material, but returned no significant

assays (Figure 14). Trench T97-1 and T97-5 were excavated across the main mineralizing shear structure.

Trench T97-1 was excavated near the Gold Cure ridge, several hundred metres above the Gibson workings, at an elevation of 2130 metres. This trench intersected a 19 metre wide gougy and graphitic shear zone (from 0 to 19 metres) within blocky quartz-mica schist. From 5.8 to 12.8 metres this shear zone becomes entirely graphitic, with minor iron oxide and quartz-carbonate veining (Figure 12). At 14.1 metres a narrow quartz veinlet contains abundant galena. Average assay grades over 20 metres hosting the shear zone are 106.1 g/t silver, 0.26% lead and 0.35% zinc, while values over an 8 metre section from 8 to 16 metres are 260.4 g/t silver, 0.64% lead and 0.71% zinc. These sections are believed to represent true widths. Fresh sulphide mineralization, as is visible in many waste dump piles in this vicinity, was not seen in the trench, indicating surface weathering is likely occurring. It is believed that sulphide mineralization will increase with depth.

Trench T97-5 is located along a road cut about 300 metres northeast of T97-1, and intersected very similar shearing and mineralization to that in T97-1 (Figures 15A and 15B). The main shear zone is located from 1.5 to 14 metres and consists of very soft, clay altered, graphitic and rusty banded material, with the strongest shearing from 8 to 11 metres of intensely graphitic and oxidized material containing quartz fragments. The orientation of the shearing appears to strike 040^{o} and dip vertically. Blocky and broken quartzite/argillite hosts the sheared material. Secondary smaller shears are visible around 30 and 34 metres in this trench, and are very soft, rusty and graphitic. Average assay results for the shear zone from 2 to 14 metres is 46.5 g/t silver, 0.04% lead and 0.14% zinc, while the stronger shearing from 6 to 12 metres ran 91.1 g/t silver, 0.08% lead and 0.23% zinc. Again, surface weathering is likely the cause of less sulphide mineralization being present than is noted on waste dumps nearby.

GIBSON

Figure 8 shows the location of excavator trenches at the Gibson workings. Two trenches were dug near the No.2 adit but did not hit bedrock. Trenches T97-9 and T97-10 are located between the No.3 crosscut adit and the No. 5 adit. A single trench was planned to cross the surface trace of the "A" and "B" lodes in this area, but unstable ground made it necessary to put in two trenches instead of one (Figure 18A).

Trench T97-9 intersected a 20 centimetre galena rich quartz vein, at 4.5 to 4.7 metres, which ran 288.4 g/t silver and 0.25% lead (Figure 18B). This is likely part of the "A" lode mineralization. A surface cut located uphill and along strike of this vein exhibited a much wider zone of mineralization (chip samples WIN#3CUT-1 to 5). From 0 to 16 metres in T97-9 consisted of very soft, limonitic schisty argillite, and from 16 to 30 metres was more competent, blocky, silicified siltstone containing up to 30% finely disseminated pyrite. Siliceous, light green, pyrite rich, felsic dykes cross the trench at 19 and 26 metres and represent the surface expression of the underlying Nelson batholith.

No high grade mineralization was intersected in trench T97-10 although it was designed to cross the "B" lode and a smaller lode located between the "A" and "B", historically referred to as the "F" lode (Figure 18C). Surface slumping features and poorly consolidated bedrock was encountered in T97-10 around 14 to 22 metres where the "B" lode is thought to be. Chip sample 14 to 16 metres returned an assay of 8.0 g/t silver which may be the leached surface expression of the "B" lode. Chip sample 50 to 52 metres assayed 4.8 g/t silver and may correspondingly represent the surface expression of the "F" lode. In the vicinity of these two anomalous samples bedrock is extremely soft, sheared and gougy, with minor quartz veining. The remainder of the trench shows bedrock of silicified to clay altered siltstone-argillite-quartzite. One interesting feature is noted in the trench at 20 to 22 metres, where finely disseminated strataform bands of sphalerite and galena are present in hard, silicified, banded quartzite-argillite. The disseminated mineralization returned assays of 4.4 g/t silver, 0.14% lead and 0.50% zinc.

Surface weathering and slumping makes excavator trenching a poor exploration tool for use at the Gibson workings.

SILVER BEAR

Four trenches (T97-11 to 14) were excavated on the Silver Bear claims (see Figure 10). Trench T97-11 is located along a new logging road near the north end of the Silver Bear workings, trench T97-12 is adjacent to the South Old Tunnel, trench T97-13 is between the South Old Tunnel and the No.1 adit, and T97-14 is to the south of the Deadman adit on the road to the Index mine.

T97-11 parallels a new logging road which opened up the main Silver Bear mineralizied shear zone. Rock chip samples B140-146.2, B146.2-148 and B148-153 correlate roughly with metres 2 to 15 in trench T97-11. Grab sample B175 is from the vicinity of 38 metres in this same trench. The entire 82 metre length of the trench is in black graphite, blue-grey clay, rusty oxide and grey-white gouge. No unaltered rocks are present, but relict bedding is visible in this highly altered zone, striking 030^{o} and dipping 50^{o} to the east. The best mineralization in this trench is located in the vicinity of an old raise at 10 metres, in a poddy breccia vein at 26 metres and in a graphitic sheared zone with quartz at 38 metres. Galena and sphalerite are present in brecciated and discontinuous pods and veins of quartz-carbonate within extremely rusty, sheared and graphitic rock. Rock chip samples were collected at five metre intervals along the length of the trench. From 0 to 40 metres assays returned 194.5 g/t silver, 1.37% lead and 2.10% zinc, including a 5 metre chip sample (from 35 to 40 metres) which ran 907.5 g/t silver, 8.61% lead and 4.36% zinc. Historically, the true width of the mineralized zone is reported to be about 25 metres wide, but this mineralized intercept appears to be closer to 10 metres true width.

Trench T97-12 contains a black graphitic shear zone from 3.5 to 24.5 metres. Rusty sections occurred within this sheared zone, however no quartz-carbonate or sulphide mineralization was present. Bedding in the badly broken and fractured micaceous argillites hosting the shear zone trends from 000^{o} to 020^{o}, and dips 60^{o} to the east. The main Silver Bear mineralized shear zone is located immediately to the northeast of this

trench. Steep ground conditions did not allow for extension of the trench in that direction, however a small side trench dug in that direction, labelled A - B, gave the best assay values found in this trench. The 2 metre chip sample results were 40.2 g/t silver, 0.13% lead and 0.10% zinc.

T97-13 intersected a narrow (40 centimetre) zone of black graphitic shear material and rusty quartz-carbonate breccia with sphalerite at 7 metres. The one metre chip sample hosting this shear-breccia zone assayed 6.0 g/t silver, 0.04% lead and 0.46% zinc. The trench contains much soft, altered, muscovite schist grading to argillite at the northwest end of the trench. The main Silver Bear shear zone is believed to lie off the southeast end of the trench (off the 0 metre end) about 20 metres away, but steep ground conditions did not allow ready access for trenching.

Trench T97-14 was excavated across the old Index mine access road to the southwest of the Silver Bear workings. This trench hit abundant blue clay, black graphite, rusty oxide, and beige talcy gouge. Bedrock was not exposed from 9.7 to 11.5 metres in the trench due to deep overburden. As in T97-12 and T97-13, no unaltered rock or sulphide mineralization was observed. The best 2 metre chip sample, taken from 4 to 6 metres, returned assay results of 10.2 g/t silver, 0.05% lead and 0.16% zinc.

DISCUSSION

In summary, trenches were successfully excavated on the Cork, Gold Cure and Silver Bear areas of the property. The Bismark and Gibson trenching did not reach bedrock in the best target areas. On the Cork, bedrock was only intersected in the extreme bottom of the trenches and was limited in exposure due to the depth of overburden. On the Gold Cure, two of the trenches crossed the mineralized shear zone, but fresh sulphide mineralization as observed in waste dump piles was not encountered due to near surface weathering. High silver values were returned, but lead and zinc values were a fraction of what was returned from fresher rock. On the Silver Bear, one trench bisected the main mineralized shear structure, while the other three hit good shear zones, but not the main mineralized area. Steepness of terrain and heavy tree cover did not allow for additional trenches to be excavated along the main shear at this time.

Trenching, where bedrock lies near surface and can be excavated to a suitable depth, appears to be a good exploration tool. Many areas of the property however do not reach this criteria, leaving drilling as the primary exploration option.

TABLE III

TRENCH CHIP SAMPLES

SAMPLE #	WIDTH (metres)	LOCATION	Ag (g/t)	Pb (%)	Zn (%)
TR97-1 0-2	2	GOLD CURE	2.8	<0.01	0.03
TR97-1 2-4	2	GOLD CURE	<0.3	<0.01	0.02
TR97-1 4-6	2	GOLD CURE	1.1	<0.01	0.02
TR97-1 6-8	2	GOLD CURE	6.6	0.03	0.14
TR97-1 8-10	2	GOLD CURE	526.9	0.58	0.54
TR97-1 10-12	2	GOLD CURE	305.1	1.72	0.70
TR97-1 12-14	2	GOLD CURE	45.1	0.02	0.80
TR97-1 14-16	2	GOLD CURE	164.6	0.22	0.81
TR97-1 14.1	GRAB	GOLD CURE	813.8	3.17	5.84
TR97-1 16-18	2	GOLD CURE	6.2	0.01	0.11
TR97-1 18-20	2	GOLD CURE	2.9	<0.01	0.28
TR97-1 20-22	2	GOLD CURE	1.0	<0.01	0.17
TR97-2 0-2	2	GOLD CURE	2.8	0.01	0.02
TR97-2 2-4	2	GOLD CURE	6.3	0.02	0.05
TR97-2 4-6	2	GOLD CURE	0.7	<0.01	0.02
TR97-2 6-8	2	GOLD CURE	1.0	<0.01	0.03
TR97-2 8-10	2	GOLD CURE	4.7	0.01	0.12
TR97-2 10-12	2	GOLD CURE	1.1	<0.01	0.06
TR97-3	0.2	GOLD CURE	1.3	0.01	0.02
TR97-5 0-2	2	GOLD CURE	<0.3	<0.01	0.01
TR97-5 2-4	2	GOLD CURE	<0.3	<0.01	0.01
TR97-5 4-6	2	GOLD CURE	4.3	0.01	0.13
TR97-5 6-8	2	GOLD CURE	66.8	0.06	0.34
TR97-5 8-10	2	GOLD CURE	150.1	0.11	0.22
TR97-5 10-12	2	GOLD CURE	56.5	0.06	0.13
TR97-5 12-14	2	GOLD CURE	1.4	<0.01	0.03
TR97-5 14-16	2	GOLD CURE	1.3	0.01	0.03
TR97-5 28.2-31	2.8	GOLD CURE	3.8	0.09	0.09
TR97-5 32.8-35	2.2	GOLD CURE	1.8	<0.01	0.01
TR97-6 2-4.6	2.6	BISMARK	0.4	<0.01	0.01

TABLE III

TRENCH CHIP SAMPLES

SAMPLE #	WIDTH (metres)	LOCATION	Ag (g/t)	Pb (%)	Zn (%)
TR97-7 0-2	2	CORK	0.5	<0.01	0.01
TR97-7 2-4	2	CORK	36.9	1.43	1.17
TR97-7 4-6	2	CORK	24.4	1.13	0.99
TR97-7 6-8	2	CORK	0.9	0.01	0.02
TR97-7 8-10	2	CORK	1.8	0.01	0.02
TR97-8 7-8	1	CORK	53.1	1.04	2.66
TR97-8 8-10	2	CORK	73.7	1.37	4.35
TR97-8 10-12	2	CORK	195.3	5.08	5.33
TR97-8 12-14	2	CORK	267.4	7.75	15.69
TR97-8 14-16	2	CORK	52.4	0.81	2.42
TR97-8 16-18	2	CORK	1.0	0.04	0.12
TR97-9 0-2	2	GIBSON	3.0	0.01	0.12
TR97-9 2-4	2	GIBSON	4.4	<0.01	0.07
TR97-9 4-6	2	GIBSON	51.7	0.04	0.06
TR97-9 4.5-4.7	0.2	GIBSON	288.4	0.25	0.02
TR97-9 6-8	2	GIBSON	7.8	0.05	0.17
TR97-9 8-10	2	GIBSON	2.6	0.01	0.19
TR97-9 10-12	2	GIBSON	4.6	0.01	0.07
TR97-9 12-14	2	GIBSON	3.6	0.02	0.03
TR97-9 14-16	2	GIBSON	3.7	0.03	0.08
TR97-9 16-18	2	GIBSON	2.7	0.01	0.03
TR97-9 18-20	2	GIBSON	0.3	<0.01	0.02
TR97-9 20-22	2	GIBSON	0.7	<0.01	0.02
TR97-9 22-24	2	GIBSON	<0.3	<0.01	0.02
TR97-9 24-26	2	GIBSON	1.6	<0.01	0.05
TR97-9 26-28	2	GIBSON	0.3	<0.01	0.05
TR97-9 28-30	2	GIBSON	<0.3	<0.01	0.04
TR97-10 0-6	6	GIBSON	<0.3	<0.01	<0.01
TR97-10 12-14	2	GIBSON	1.4	<0.01	0.01
TR97-10 14-16	2	GIBSON	8.0	0.02	0.04
TR97-10 16-18	2	GIBSON	3.8	0.01	0.03
TR97-10 18-20	2	GIBSON	2.2	0.01	0.05
TR97-10 20-22	2	GIBSON	4.4	0.14	0.50
TR97-10 22-24	2	GIBSON	<0.3	0.01	0.22

TABLE III

TRENCH CHIP SAMPLES

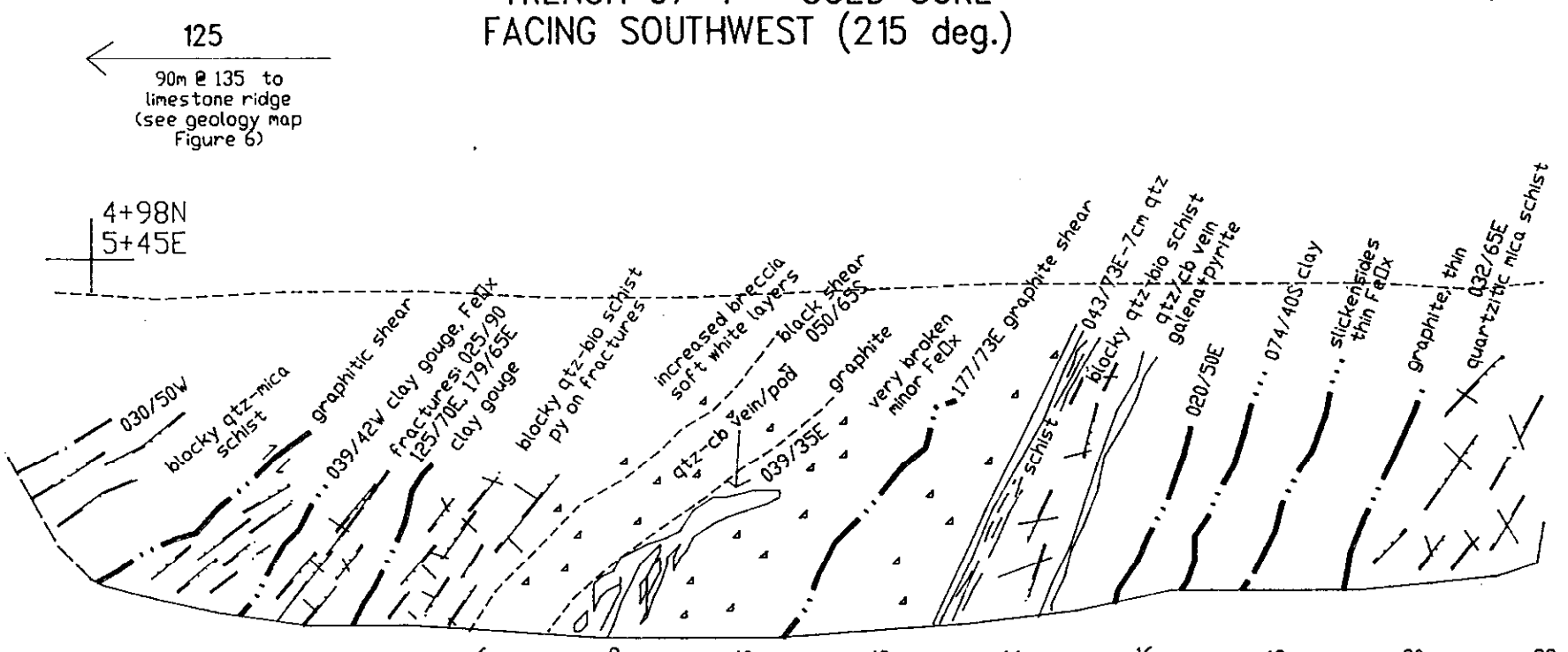
SAMPLE #	WIDTH (metres)	LOCATION	Ag (g/t)	Pb (%)	Zn (%)
TR97-10 24-26	2	GIBSON	0.9	0.02	0.24
TR97-10 26-28	2	GIBSON	2.1	0.03	0.15
TR97-10 28-30	2	GIBSON	<0.3	<0.01	0.11
TR97-10 30-32	2	GIBSON	0.4	<0.01	0.11
TR97-10 32-34	2	GIBSON	0.8	<0.01	0.16
TR97-10 34-36	2	GIBSON	0.4	<0.01	0.06
TR97-10 36-38	2	GIBSON	0.4	<0.01	0.05
TR97-10 38-40	2	GIBSON	1.0	0.03	0.06
TR97-10 40-42	2	GIBSON	<0.3	<0.01	0.03
TR97-10 42-44	2	GIBSON	<0.3	<0.01	0.02
TR97-10 44-46	2	GIBSON	<0.3	<0.01	0.02
TR97-10 46-48	2	GIBSON	0.5	<0.01	0.03
TR97-10 48-50	2	GIBSON	1.6	<0.01	0.11
TR97-10 50-52	2	GIBSON	4.8	0.01	0.13
TR97-10 52-54	2	GIBSON	1.0	0.01	0.08
TR97-10 54-56	2	GIBSON	<0.3	<0.01	0.04
TR97-10 56-58	2	GIBSON	1.6	<0.01	0.05
TR97-10 58-60	2	GIBSON	0.3	<0.01	0.03
TR97-10 60-62	2	GIBSON	<0.3	<0.01	0.04
TR97-10 62-64	2	GIBSON	1.1	<0.01	0.04
TR97-11 0-5	5	SILVER BEAR	10.5	<0.01	0.08
TR97-11 5-10	5	SILVER BEAR	206.1	0.62	0.56
TR97-11 10-15	5	SILVER BEAR	209.1	0.42	0.78
TR97-11 15-20	5	SILVER BEAR	5.1	0.02	0.17
TR97-11 20-25	5	SILVER BEAR	13.8	0.10	0.44
TR97-11 25-30	5	SILVER BEAR	198.8	1.07	9.99
TR97-11 30-35	5	SILVER BEAR	4.8	0.08	0.45
TR97-11 35-40	5	SILVER BEAR	907.5	8.61	4.36
TR97-11 40-45	5	SILVER BEAR	8.0	0.30	0.16
TR97-11 45-50	5	SILVER BEAR	4.5	0.05	0.16
TR97-11 50-55	5	SILVER BEAR	1.6	0.01	0.07
TR97-11 55-60	5	SILVER BEAR	0.5	0.01	0.05
TR97-11 60-65	5	SILVER BEAR	3.4	0.01	0.08
TR97-11 65-70	5	SILVER BEAR	3.3	<0.01	0.06
TR97-11 70-74	4	SILVER BEAR	1.3	<0.01	0.06
TR97-11 78-82	4	SILVER BEAR	1.0	0.01	0.05

TABLE III

TRENCH CHIP SAMPLES

SAMPLE #	WIDTH (metres)	LOCATION	Ag (g/t)	Pb (%)	Zn (%)
TR97-12 A-B	2	SILVER BEAR	40.2	0.13	0.10
TR97-12 0-2	2	SILVER BEAR	1.7	<0.01	0.04
TR97-12 2-4	2	SILVER BEAR	4.1	0.02	0.07
TR97-12 4-6	2	SILVER BEAR	5.0	0.01	0.06
TR97-12 6-8	2	SILVER BEAR	3.1	<0.01	0.05
TR97-12 8-10	2	SILVER BEAR	2.7	0.01	0.03
TR97-12 10-12	2	SILVER BEAR	2.2	0.01	0.03
TR97-12 12-14	2	SILVER BEAR	1.9	<0.01	0.02
TR97-12 14-16	2	SILVER BEAR	2.8	0.01	0.08
TR97-12 16-18	2	SILVER BEAR	5.1	0.04	0.10
TR97-12 18-20	2	SILVER BEAR	9.2	0.09	0.23
TR97-12 20-22	2	SILVER BEAR	1.3	<0.01	0.03
TR97-12 22-24	2	SILVER BEAR	3.6	0.05	0.21
TR97-12 24-26	2	SILVER BEAR	1.5	0.02	0.06
TR97-12 26-28	2	SILVER BEAR	<0.3	<0.01	0.01
TR97-12 28-30	2	SILVER BEAR	<0.3	0.01	0.01
TR97-13 6-7	1	SILVER BEAR	0.7	<0.01	0.01
TR97-13 7-8	1	SILVER BEAR	6.0	0.04	0.46
TR97-13 8-10	2	SILVER BEAR	1.2	<0.01	0.07
TR97-13 10-12	2	SILVER BEAR	0.6	<0.01	0.03
TR97-13 12-14	2	SILVER BEAR	1.1	0.01	0.03
TR97-13 14-16	2	SILVER BEAR	1.9	<0.01	0.03
TR97-13 16-18	2	SILVER BEAR	2.1	<0.01	0.04
TR97-13 18-21	3	SILVER BEAR	1.4	<0.01	0.02
TR97-14 0-2	2	SILVER BEAR	1.4	<0.01	0.04
TR97-14 2-4	2	SILVER BEAR	3.2	0.01	0.11
TR97-14 4-6	2	SILVER BEAR	10.2	0.05	0.16
TR97-14 6-7.6	1.6	SILVER BEAR	1.2	0.01	0.03
TR97-14 8.5-9.7	1.2	SILVER BEAR	0.8	<0.01	0.03
TR97-14 11.5-12.6	1.1	SILVER BEAR	0.9	0.01	0.02
TR97-14 13.5-15.5	2	SILVER BEAR	<0.3	0.01	0.02
TR97-14 15.5-16.5	1	SILVER BEAR	0.9	<0.01	0.02

TRENCH 97-1 – GOLD CURE
FACING SOUTHWEST (215 deg.)



BLOCKY QTZ–MICA SCHIST

MAIN SHEAR GRAPHITIC

QUARTZITE, MICA SCHIST

FAULT/SHEAR ZONE
clay gouge, minor graphite
minor qtz–cb veins

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BISMARK PROPERTY

SLOCAN MINING DIVISION NTS:82F/14

GEOLOGY MAP TRENCH 97-1

BY: L.D.
DATE: NOVEMBER 1997

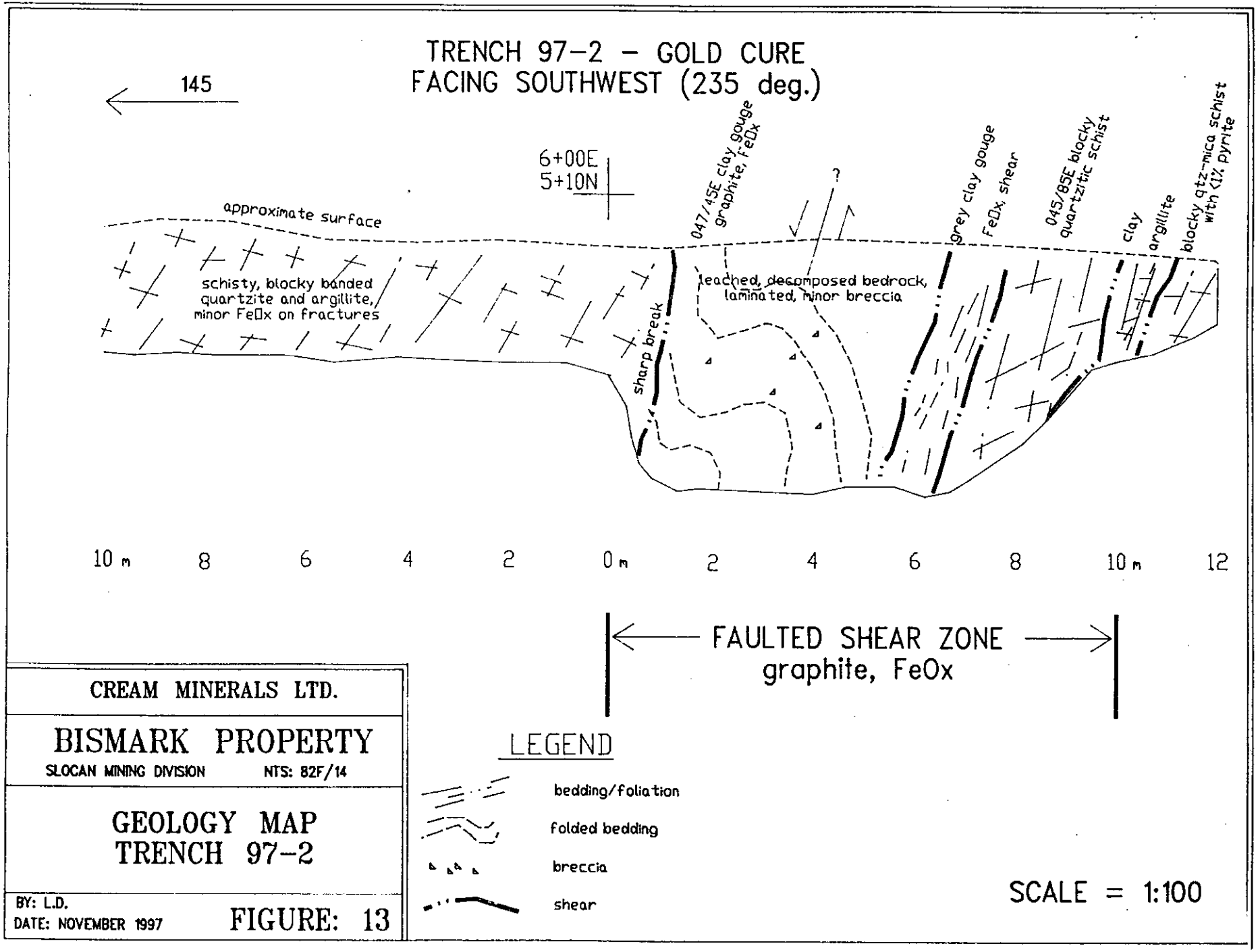
FIGURE: 12

LEGEND

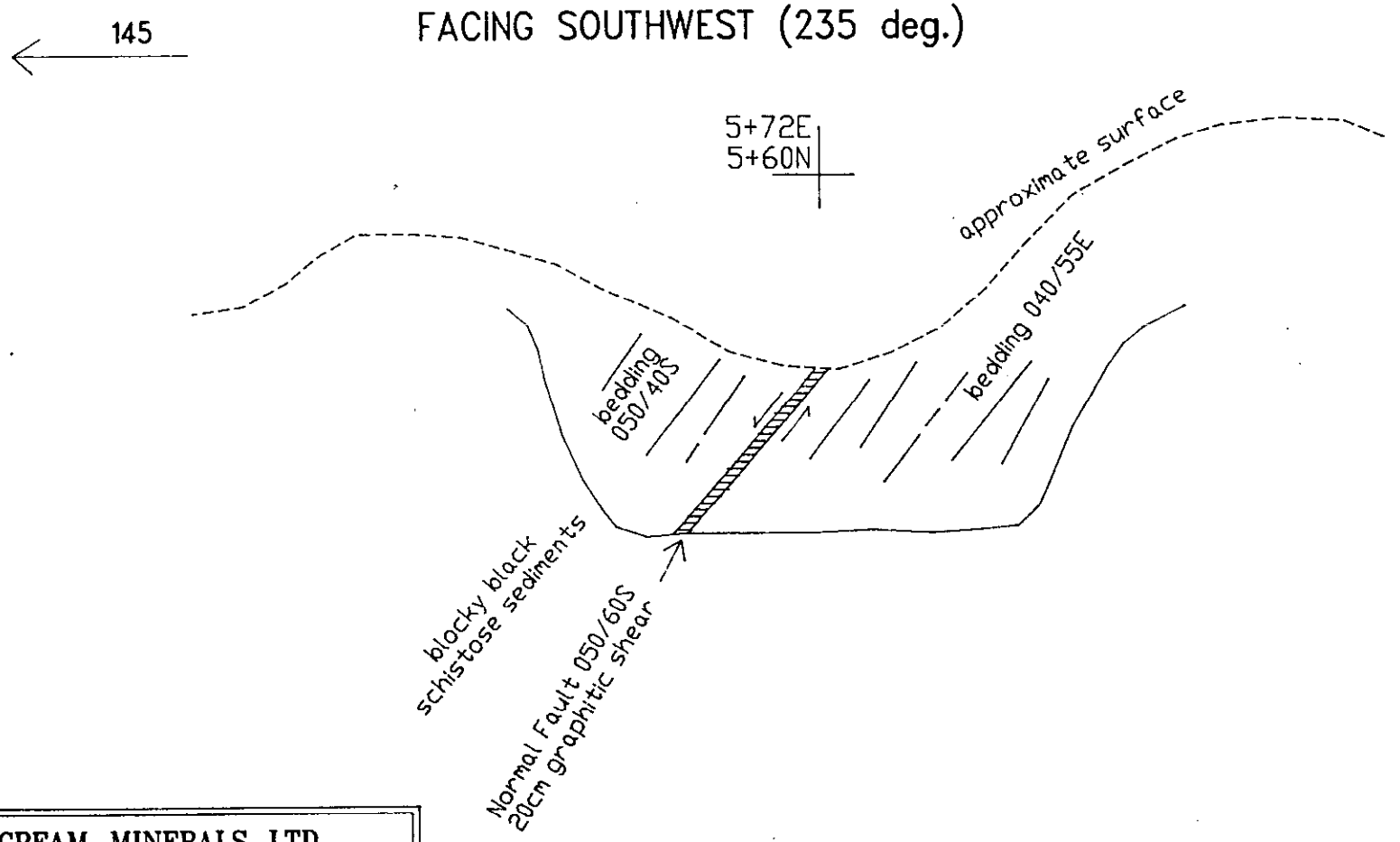
- shear
- breccia
- bedding/foliation
- quartz vein

qtz = quartz
cb = carbonate
bio = biotite

SCALE = 1:100


TRENCH 97-2 - GOLD CURE
FACING SOUTHWEST (235 deg.)
145
6+00E
5+10N
approximate surface
schisty, blocky banded quartzite and argillite, minor FeOx on fractures
sharp break
leached, decomposed bedrock, laminated, minor breccia
047/45E clay gouge graphite, FeOx
?
grey clay gouge
FeOx, shear
045/85E blocky quartzitic schist
clay
argillite
blocky qtz-mica schist with <1% pyrite
10 m 8 6 4 2 0 m 2 4 6 8 10 m 12
FAULTED SHEAR ZONE
graphite, FeOx
LEGEND
bedding/foliation
folded bedding
breccia
shear
SCALE = 1:100
CREAM MINERALS LTD.
BISMARK PROPERTY
SLOCAN MINING DIVISION NTS: 82F/14
GEOLOGY MAP
TRENCH 97-2
BY: L.D.
DATE: NOVEMBER 1997
FIGURE: 13

TRENCH 97-3 – GOLD CURE
FACING SOUTHWEST (235 deg.)



LEGEND

shear

bedding

SCALE = 1:100

CREAM MINERALS LTD.

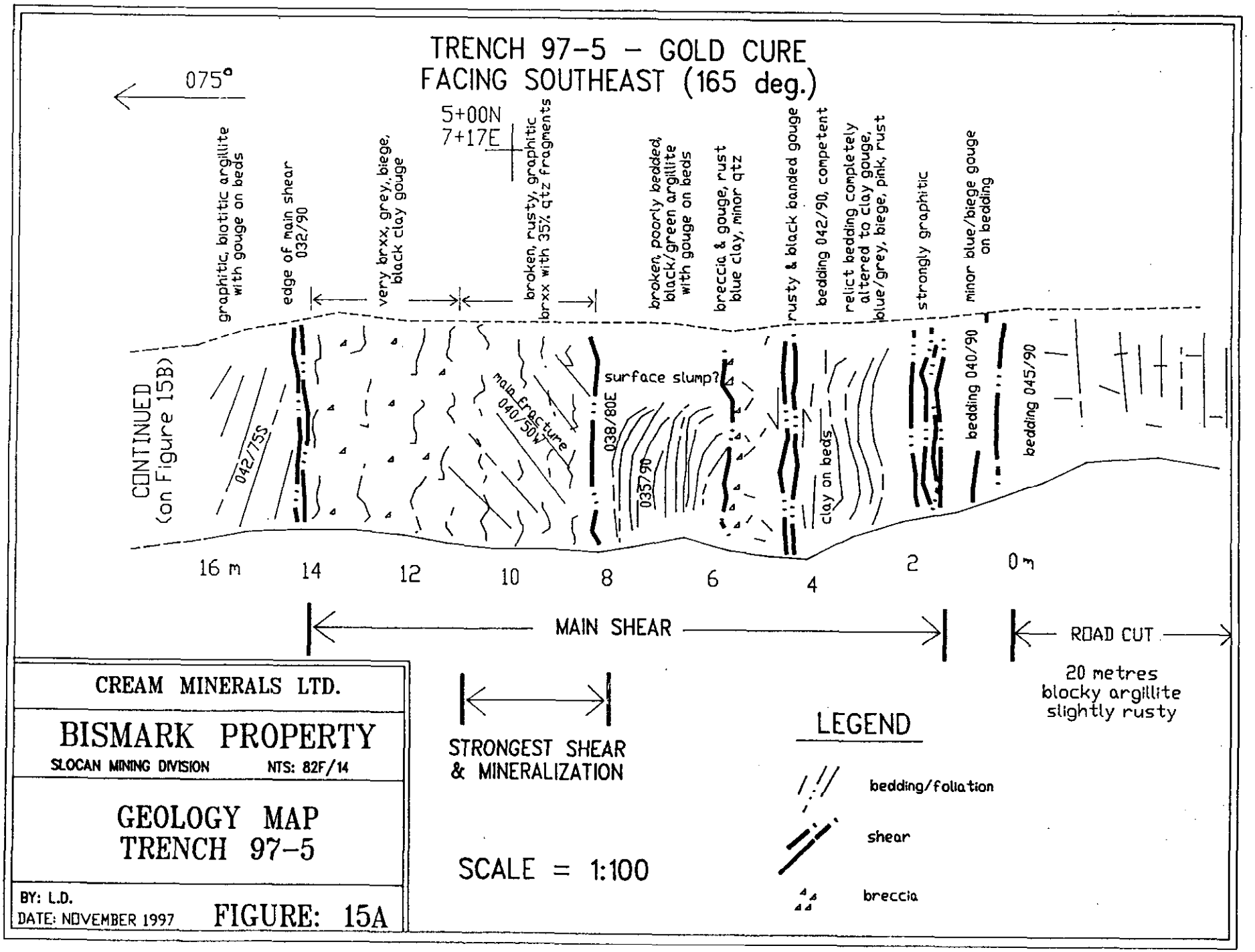
BISMARK PROPERTY

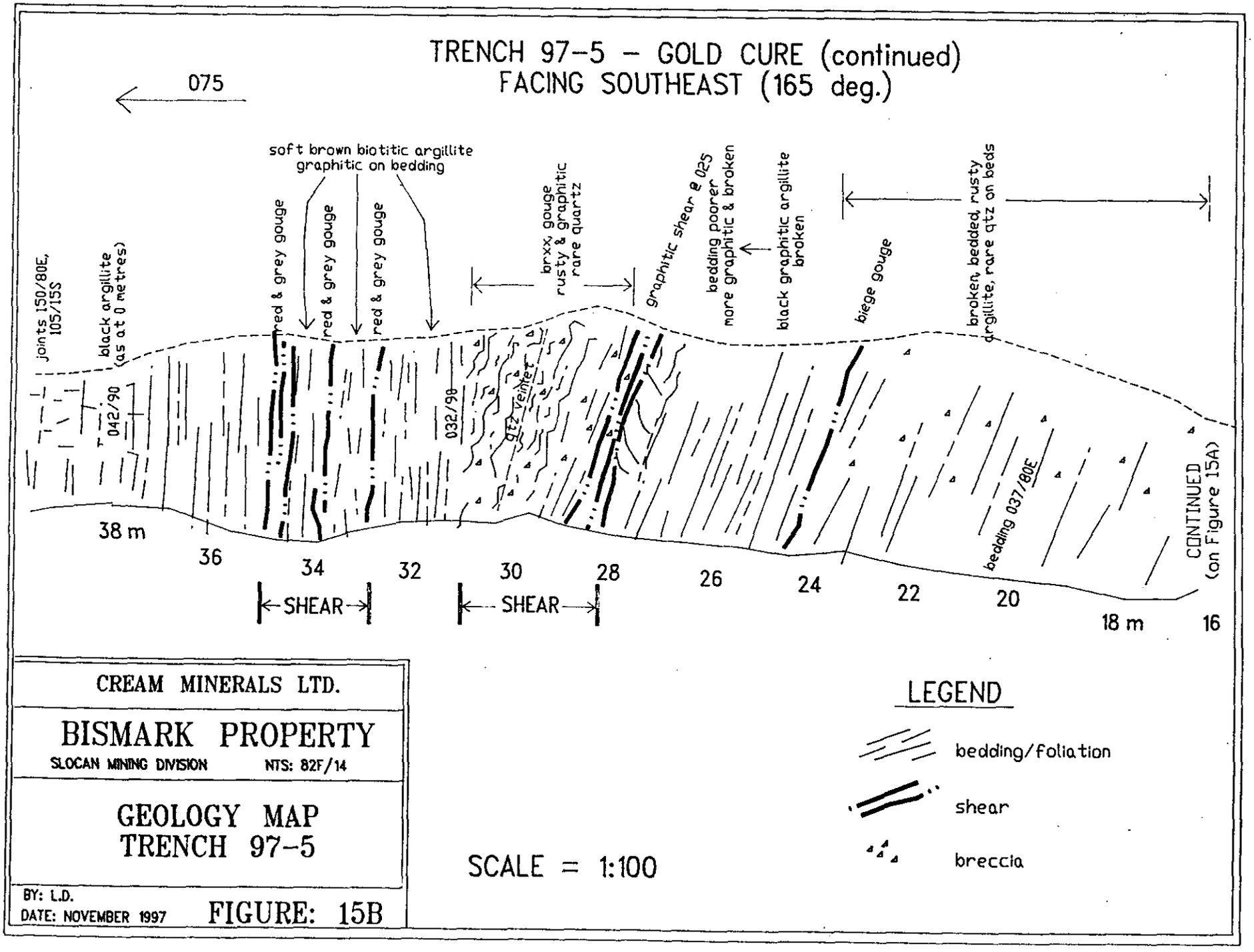
SLOCAN MINING DIVISION NTS: 82F/14

GEOLOGY MAP
TRENCH 97-3

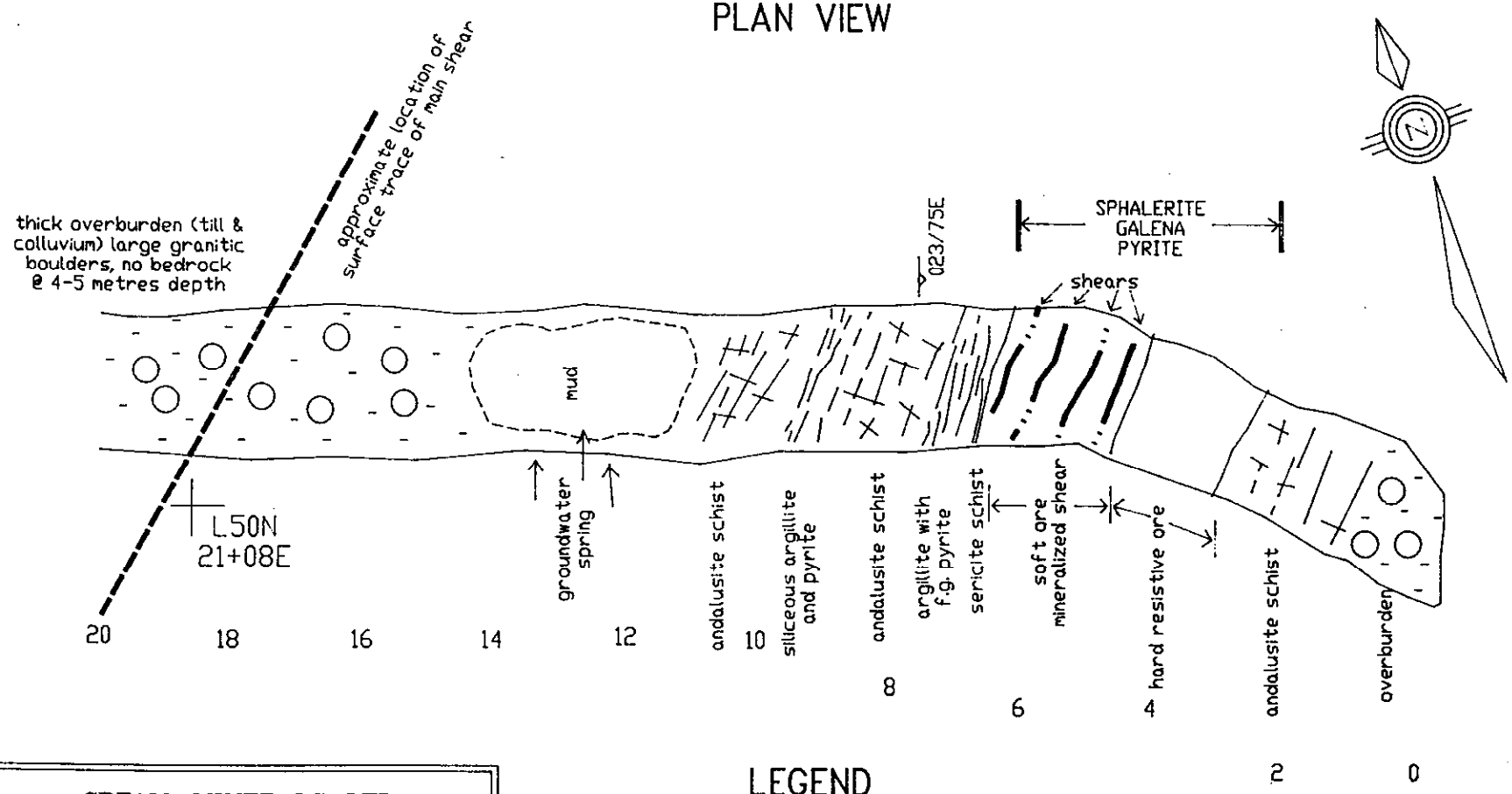
BY: L.D.
DATE: NOVEMBER 1997

FIGURE: 14


TRENCH 97-5 – GOLD CURE
FACING SOUTHEAST (165 deg.)
075°
5+00N
7+17E
graphitic, biotitic argillite with gouge on beds
edge of main shear 032/90
very brxx, grey, biege, black clay gouge
broken, rusty, graphitic brxx with 35% qtz fragments
broken, poorly bedded, black/green argillite with gouge on beds
breccia & gouge, rust blue clay, minor qtz
rusty & black banded gouge
bedding 042/90, competent
relict bedding completely altered to clay gouge, blue/grey, biege, pink, rust
strongly graphitic
minor blue/biege gouge on bedding
CONTINUED (on Figure 15B)
042/75S
main fracture 040/50W
surface slump?
038/80E
035/90
clay on beds
bedding 040/90
bedding 045/90
16 m
14
12
10
8
6
4
2
0 m
MAIN SHEAR
ROAD CUT
20 metres blocky argillite slightly rusty
STRONGEST SHEAR & MINERALIZATION
LEGEND
bedding/foliation
shear
breccia
SCALE = 1:100
CREAM MINERALS LTD.
BISMARK PROPERTY
SLOCAN MINING DIVISION
NTS: 82F/14
GEOLOGY MAP
TRENCH 97-5
BY: L.D.
DATE: NOVEMBER 1997
FIGURE: 15A


TRENCH 97-5 – GOLD CURE (continued)
FACING SOUTHEAST (165 deg.)
075
soft brown biotitic argillite
graphitic on bedding
joints 150/80E, 105/15S
black argillite (as at 0 metres)
042/90
red & grey gouge
red & grey gouge
red & grey gouge
032/90
qtz veinlet
brxx, gouge rusty & graphitic rare quartz
graphitic shear @ 025
bedding poorer more graphitic & broken
black graphitic argillite broken
biege gouge
broken, bedded, rusty argillite, rare qtz on beds
bedding 037/80E
CONTINUED (on Figure 15A)
38 m
36
34
32
30
28
26
24
22
20
18 m
16
SHEAR
SHEAR
CREAM MINERALS LTD.
BISMARK PROPERTY
SLOCAN MINING DIVISION
NTS: 82F/14
GEOLOGY MAP
TRENCH 97-5
BY: L.D.
DATE: NOVEMBER 1997
FIGURE: 15B
SCALE = 1:100
LEGEND
bedding/foliation
shear
breccia

TRENCH 97-7 – CORK–PROVINCE
PLAN VIEW

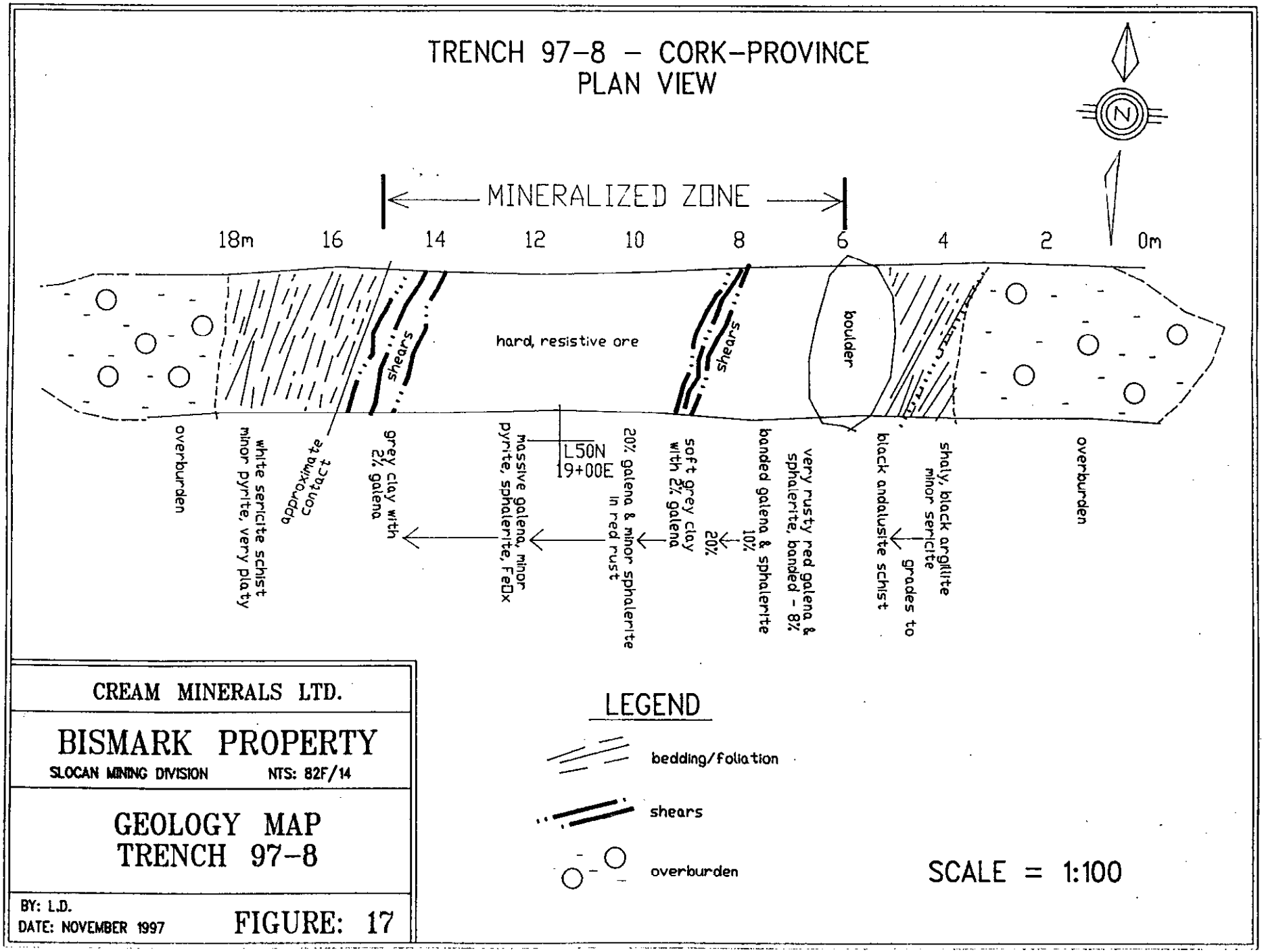


LEGEND

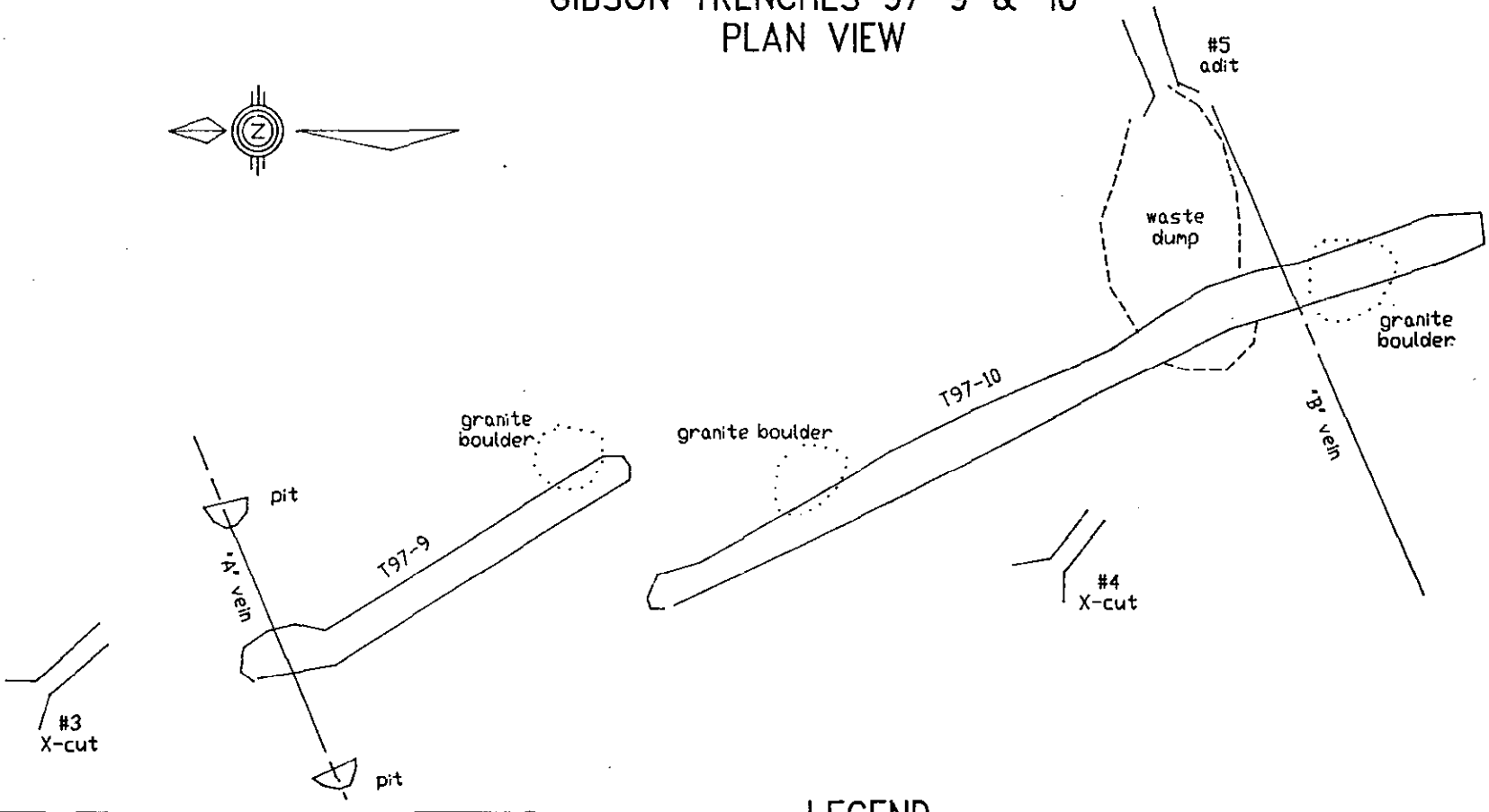
- shear
- bedding/foliation
- overburden
- fracture

SCALE = 1:100

CREAM MINERALS LTD.	
BISMARK PROPERTY	
SLOCAN MINING DIVISION	NTS: 82F/14
GEOLOGY MAP TRENCH 97-7	
BY: L.D. DATE: NOVEMBER 1997	FIGURE: 16


TRENCH 97-8 – CORK-PROVINCE
PLAN VIEW
N
MINERALIZED ZONE
18m
16
14
12
10
8
6
4
2
0m
overburden
white sericite schist
minor pyrite, very platy
extensive
shears
grey clay with
2% galena
massive galena, minor
pyrite, sphalerite, FeOx
L50N
19+00E
20% galena & minor sphalerite
in red rust
soft grey clay
with 2% galena
shears
hard, resistive ore
banded galena & sphalerite
10%
20%
very rusty red galena &
sphalerite, banded - 8%
boulder
black andalusite schist
grades to
shaly, black argillite
minor sericite
overburden
LEGEND
bedding/foliation
shears
overburden
SCALE = 1:100
CREAM MINERALS LTD.
BISMARK PROPERTY
SLOCAN MINING DIVISION
NTS: 82F/14
GEOLOGY MAP
TRENCH 97-8
BY: L.D.
DATE: NOVEMBER 1997
FIGURE: 17

GIBSON TRENCHES 97-9 & 10
PLAN VIEW



LEGEND

- adit
- boulder
- pit
- trace of vein

SCALE = 1:500

CREAM MINERALS LTD.

BISMARK PROPERTY

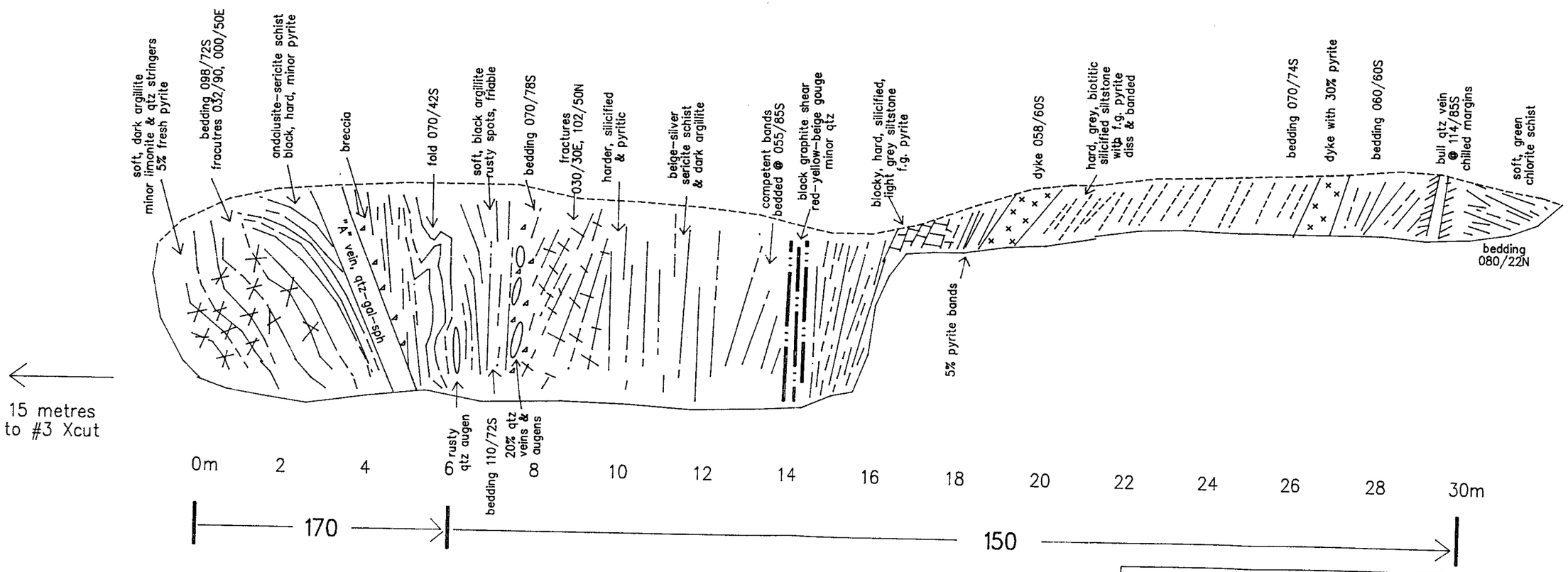
SLOCAN MINING DIVISION NTS: 82F/14

LOCATION MAP
TRENCHES 97-9 & 10

BY: L.D.
DATE: NOVEMBER 1997

FIGURE: 18A

GIBSON TRENCH 97-9
LOOKING NORTHEAST



SCALE 1:100

LEGEND

- bedding/foliation
- shear
- vein
- dyke
- breccia
- quartz augens

CREAM MINERALS LTD.

BISMARK PROPERTY

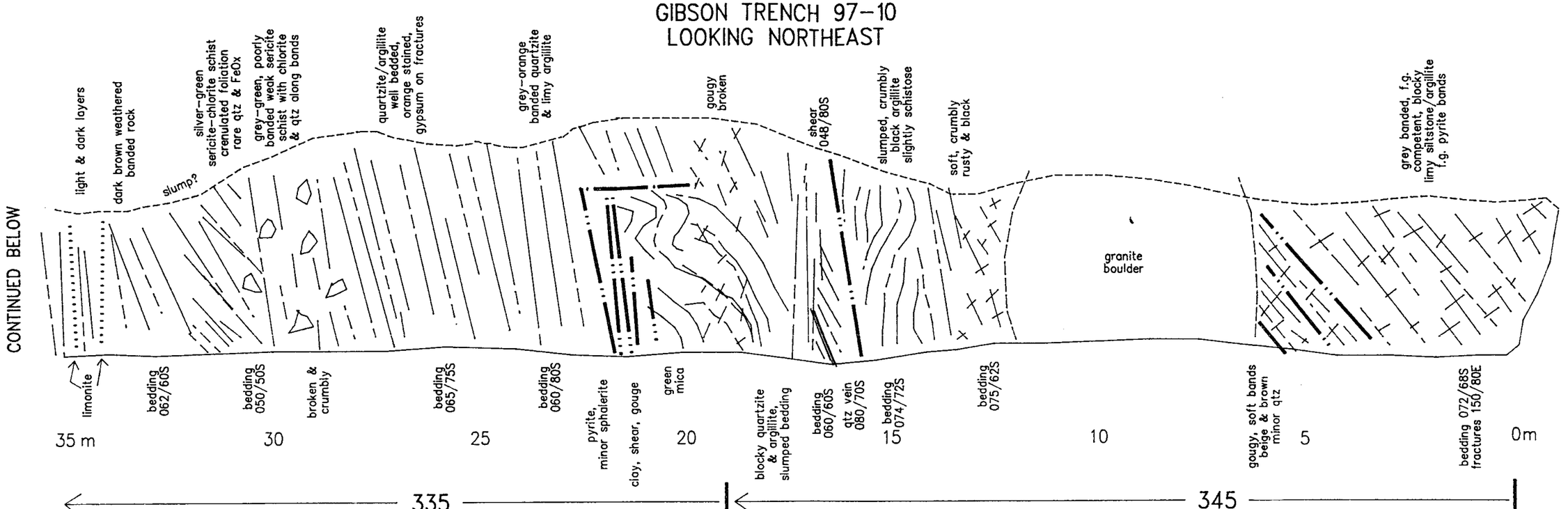
SLOCAN MINING DIVISION NTS: 82F/14

GEOLOGY MAP TRENCH 97-9

BY: L.D.
NOVEMBER 1997

FIGURE: 18B

GIBSON TRENCH 97-10
LOOKING NORTHEAST



LEGEND

- bedding/foliation
- shear
- overburden
- quartz vein
- broken rock

SCALE = 1:100

CREAM MINERALS LTD.

BISMARK PROPERTY

SLOCAN MINING DIVISION NTS:82F/14

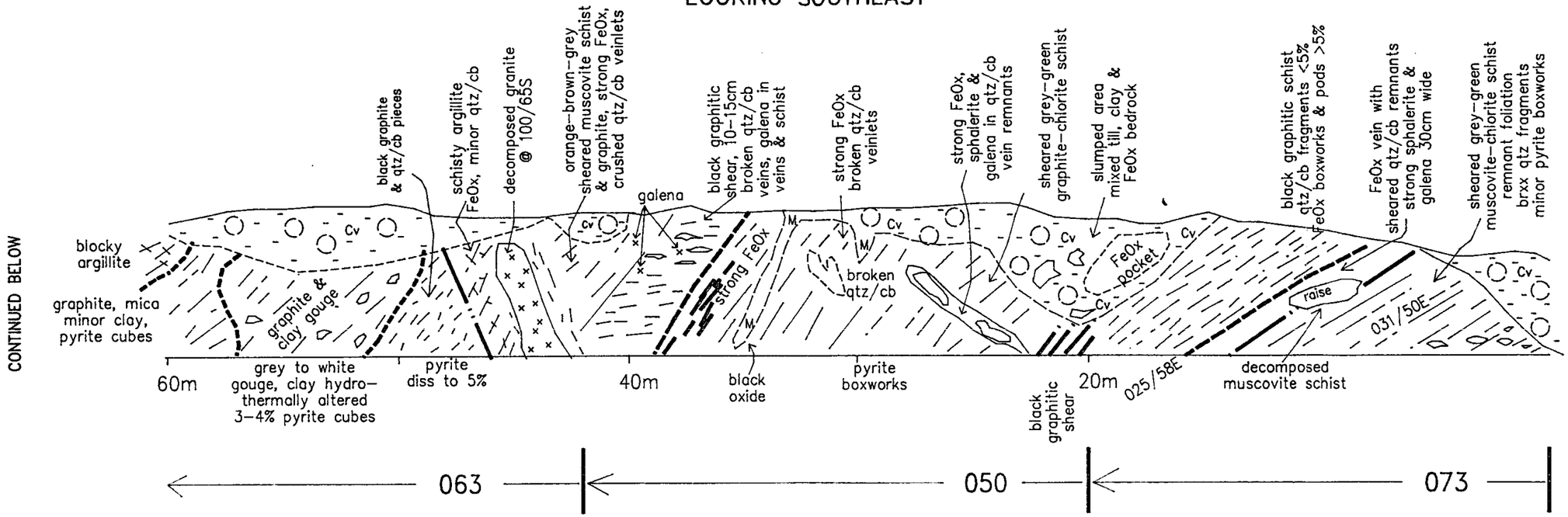
GEOLOGY MAP TRENCH 97-10

BY: L.D.

NOVEMBER 1997

FIGURE:18C

SILVER BEAR TRENCH 97-11
LOOKING SOUTHEAST

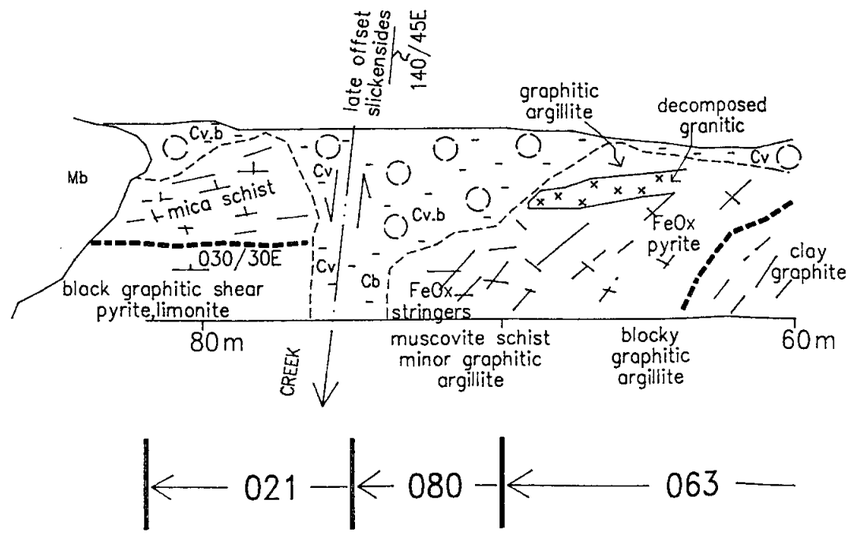


LEGEND

- bedding/foliation
- shears
- granite
- overburden

Cv = colluvium veneer
Cb = colluvium blanket
M = till

SCALE 1:200



CREAM MINERALS LTD.

BISMARK PROPERTY

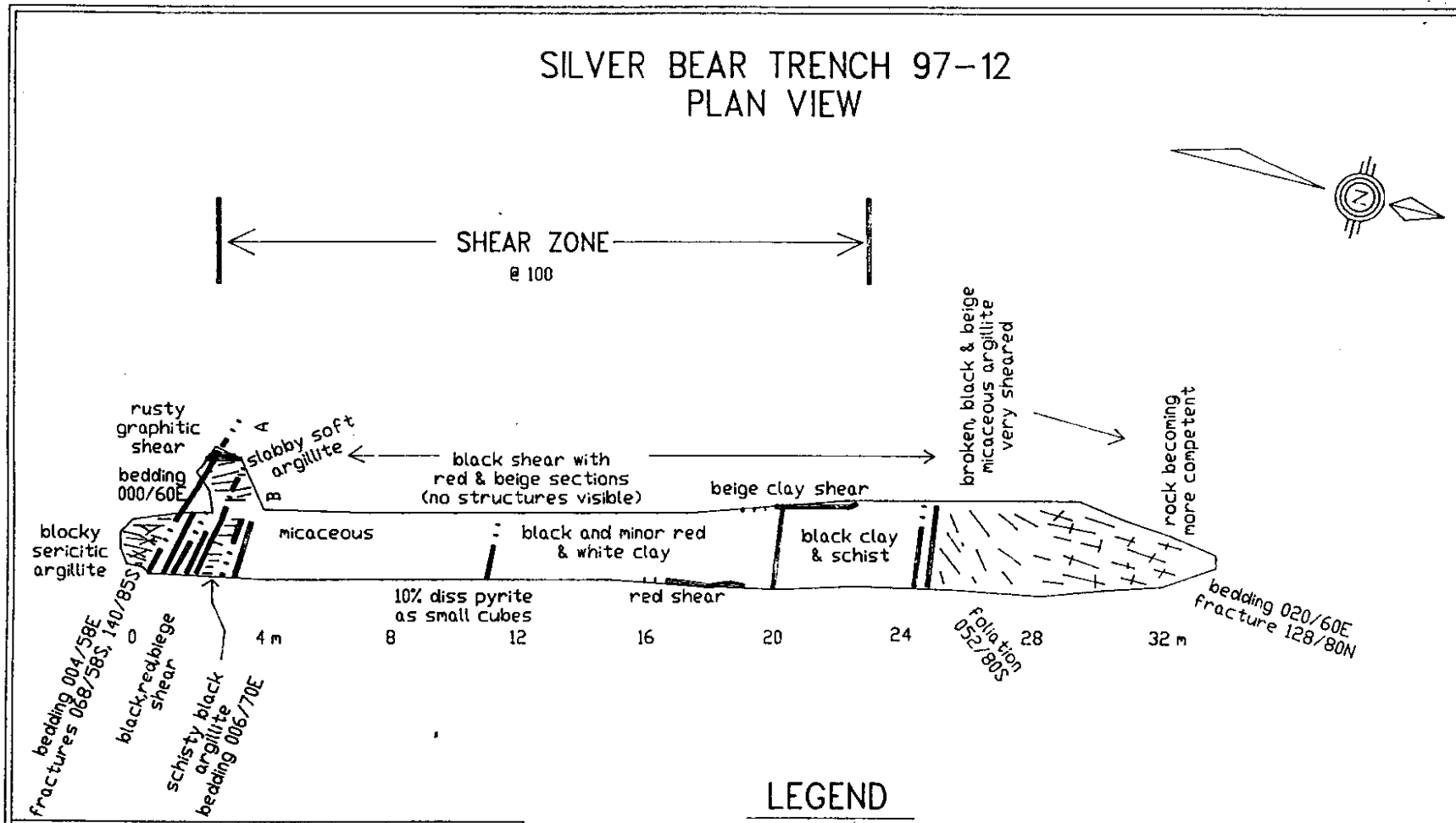
SLOCAN MINING DIVISION NTS: 82F/14

GEOLOGY MAP TRENCH 97-11

BY: L.D.
NOVEMBER 1997

FIGURE: 19

SILVER BEAR TRENCH 97-12
PLAN VIEW



LEGEND

shear

bedding/foliation

SCALE = 1:200

CREAM MINERALS LTD.

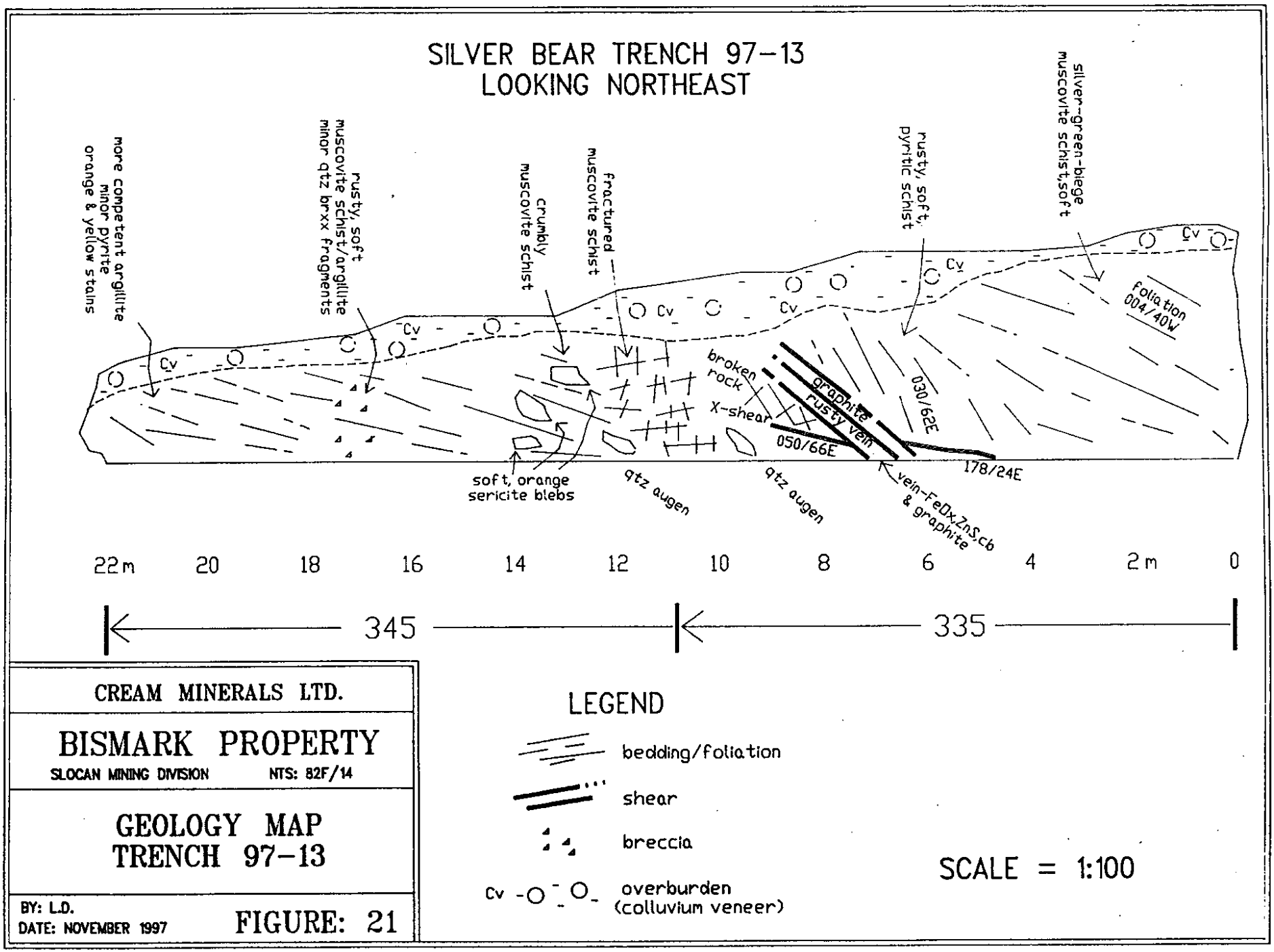
BISMARK PROPERTY

SLOCAN MINING DIVISION NTS: 82F/14

GEOLOGY MAP TRENCH 97-12

BY: L.D.
DATE: NOVEMBER 1997

FIGURE: 20



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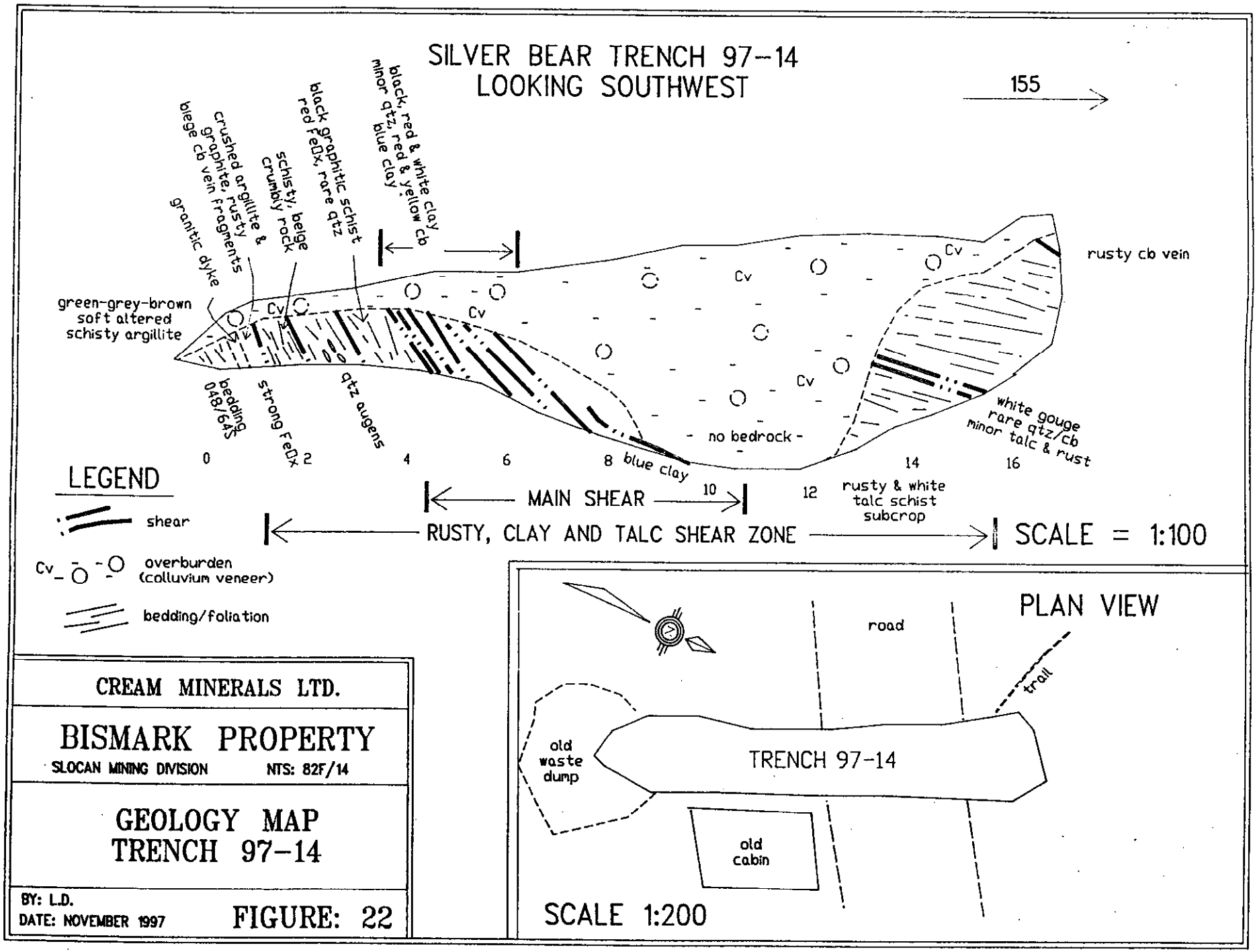
BISMARK PROPERTY SLOCAN MINING DIVISION NTS: 82F/14
GEOLOGY MAP TRENCH 97-13
BY: L.D. DATE: NOVEMBER 1997 FIGURE: 21

LEGEND

- bedding/foliation
- shear
- breccia
- Cv overburden (colluvium veneer)

SCALE = 1:100


SILVER BEAR TRENCH 97-14
LOOKING SOUTHWEST
155
black, red & white clay
minor qtz, red & yellow cb
blue clay
black graphitic schist
red FeOx, rare qtz
schisty, beige
crumbly rock
crushed argillite &
graphite, rusty
biege cb vein fragments
granitic dyke
green-grey-brown
soft altered
schisty argillite
Cv
rusty cb vein
white gouge
rare qtz/cb
minor talc & rust
bedding
048/64S
strong FeOx
qtz augens
no bedrock
blue clay
0
2
4
6
8
10
12
14
16
MAIN SHEAR
RUSTY, CLAY AND TALC SHEAR ZONE
rusty & white
talc schist
subcrop
SCALE = 1:100
LEGEND
shear
overburden
(colluvium veneer)
bedding/foliation
PLAN VIEW
road
trail
old
waste
dump
TRENCH 97-14
old
cabin
SCALE 1:200
CREAM MINERALS LTD.
BISMARK PROPERTY
SLOCAN MINING DIVISION
NTS: 82F/14
GEOLOGY MAP
TRENCH 97-14
BY: L.D.
DATE: NOVEMBER 1997
FIGURE: 22

9) GEOCHEMISTRY

During the course of the 1997 exploration program a total of 49 rock grab, 186 rock chip (including those collected from trenches), 130 soil, 22 silt and 8 heavy mineral concentrate samples were collected.

9A) ROCK SAMPLES

ROCK SAMPLE COLLECTION AND ANALYSES

Rock grab samples generally consist of two or three fist size specimens collected from a single site or waste dump pile. Chip samples were continuous samples collected perpendicular to bedding or mineralizing structures wherever possible and consist of numerous 2 to 3 centimetre rock chips. All sample sites were marked with fluorescent spray paint or flagging marked with the sample number.

Samples were placed in poly bags labelled with the corresponding sample number and were shipped to Acme Labs Ltd. in Vancouver for analyses. In the laboratory, samples were crushed to minus 200 mesh and fire assayed for gold and silver, and geochemically analyzed for 30 additional elements by the ICP method. Where ICP results warranted, samples were re-assayed for lead, zinc or copper. Several samples returned significantly higher silver and lead values when re-assayed, as these elements often cause interference with each other in the standard multi-element ICP process. Also, 9 rock samples were fire assayed for platinum and palladium when these samples were collected where historical records indicated that these elements may be present.

ROCK SAMPLING DISCUSSION

Results of the rock grab and chip sampling have been discussed in Sections 7 and 8 of this report. Tables II and III summarize these results.

9B) SOIL SAMPLES

SOIL SAMPLE COLLECTION AND ANALYSES

In 1997, soil samples were collected from three small grids (DUBLIN, GIBSON and MET Grids, see Figures 4, 8 and 11 for grid locations and results). As well, two soil samples of black sheared material were taken from road cuts on the Upper Ben Hur and Gold Cure areas (samples BH-2 and GC9+75E 5+50N, see Figures 5 and 6 for sample locations and results). Four soil samples were taken from the base of waste dump piles adjacent to old workings found in the Connection area to determine the types of mineralization explored by the workings (sample SOIL 1 to 4, see Figure 9 for sample locations and results). Two lines of soil samples were collected along the Ben Hur logging road cut; one along the projection of the Cork-Province shear (samples CP0+00E to 1+00E, see Figure 4 for sample locations and results), and the second where the Bismark-Gold Cure-Gibson shear is projected (samples BH0+25 to 3+25, see Figure 5 for sample locations and results).

Samples were collected at 25 metre intervals along flagged grid lines, and at 5 or 25 metre intervals along road cuts. The 'B' soil horizon was sampled in most cases, with the aid of a mattock or small shovel. Sample sites were marked with labelled flagging, and samples were place in correspondingly labelled kraft envelopes and shipped to Acme Labs Ltd. in Vancouver for analyses.

In the laboratory, samples were oven dried at approximately 60^{o} C and sieved to minus 80 mesh. The coarse fraction was then discarded and the minus 80 fraction analyzed for gold by atomic absorption and 30 elements by the ICP method.

SOIL SAMPLING DISCUSSION

CORK-PROVINCE

Three hundred metres northeast of the main Cork mine workings, the mineralizing shear zone is projected at 050^{o} to cross the Ben Hur logging road (see Figure 4). Soil samples were collected at 5 metre intervals for 100 metres across the trace of the shear zone (samples CP0+00E to 1+00E). No direct evidence of shearing is visible at this location, and outcrop visible in the road cut seems to be predominantly pyritic intrusives. No soil sample values of any significance were obtained at this location. The mineralized shear zone may be offset by one of the numerous cross faults that traverse this area, or could be obscured by the granitic intrusive.

DUBLIN

The Dublin soil grid was established over the Dublin workings located about 500 metres southwest of the Cork Mine (see Figure 4). Four 100 metre spaced soil lines were run at 135^{o} to cross the trend of mineralization. Soil samples were collected at 25 metre intervals along these lines. The Dublin adit is located at grid coordinates 22+40E, 20+90N, and a large pit containing a 1.5 metre wide siderite/sphalerite vein is located at 20+25E, 20+00N. Several soil samples returned values in excess of 1.0 ppm silver and 500 ppm zinc. Two samples had greater than 100 ppm lead and one sample returned 123 ppb gold. Although several anomalous samples were obtained, no good trends can be observed.

UPPER BEN HUR CREEK

A single soil sample (BH-2) was collected along the Ben Hur logging road between the surface projections of the Cork-Province and Bismark-Gold Cure shears. This sample was taken in a small gully and consisted of decomposed, black, graphitic, sheared bedrock and returned 2.3 ppm silver.

A 300 metre long soil line with 25 metre spaced samples (BH0+25 to 3+25) was run across the surface trace of the Bismark-Gold Cure shear located at the southeastern end of the Ben Hur logging road (Figure 5). These samples were collected from colluvium and 'B' horizon material along the road cut. Only the two most northwesterly samples returned high silver and zinc values (1.2 ppm silver, up to 795 ppm zinc). This may

represent the mineralized shear, but additional work is required in this area to make that determination.

GOLD CURE

In the Gold Cure area, one soil sample (GC9+75E 5+50N) was collected along a road cut, beneath a talus slide (see Figure 6). This sample was taken from black, sulphidic decomposed bedrock, similar to that described as BH-2 above. This sample returned 2.0 ppm silver.

GIBSON

Two soil lines were put in across the Gibson workings (see Figure 8). Samples were collected at 25 metre intervals along these lines. Many high silver, lead and zinc values were obtained, most of which correlate to the location of waste dump material from the old workings. Additional work is required to determine which samples mark the extent of this dump material and which may be defining the trend of mineralization. A single sample (L82E, 47+00N) returned 122 ppb gold, 865 ppm copper, 329 ppm molybdenum in addition to 203.4 ppm silver, 22435 ppm lead and 4567 ppm zinc.

CONNECTION

Four soil samples (SOIL-1 to 4) were collected from the area of the Connection workings (see Figure 9). Examination of the workings and waste dump material did not indicate the minerals being sought (i.e. no galena, sphalerite or other economic minerals were visible), therefore these soil samples were collected from the base of four of the larger waste dumps, adjacent to caved adits, in order to determine if trace amounts of economic mineralization is contained in the soil. In addition to gold and multi-element ICP analysis, these samples were also analyzed for platinum and palladium as historical reports indicate their presence in this area. Zinc values were in the range of 300 ppm, but no other elements returned values of any significance.

METROPOLITAN

A three line soil grid was put in over the Metropolitan workings (see Figure 11). The lines, which trend 135^{o}, were spaced at 100 metre intervals and samples were collected at 25 metre stations along the lines. All grid lines cross the sediment-granite contact. The Metropolitan adit is located at 2+00N, 6+00E, which is the centre of the grid. The only sample of significance is located adjacent to the Metropolitan adit, and is likely caused by contamination. At the south end of the grid, slightly elevated silver and zinc values were obtained from two samples collected over the granitic rocks.

9C) SILT AND HMC SAMPLES

SILT AND HMC SAMPLING PROCEDURES AND ANALYSES

Silt and Heavy Mineral Concentrate (HMC) samples were collected along the Keen Creek road from streams draining the mountains to the southeast. In several instances, silt or gravel was not available in these streams due to their steep gradient and high turbulence. Silt samples were collected by hand from several locations across the stream bed, and

placed in labelled kraft envelopes. HMC samples were collected by panning down three or four pans of gravel to about 250 grams of fine heavy material, which was placed in a labelled poly bag. A correspondingly labelled flag marks each silt and HMC sample site. Samples were shipped to Acme Labs Ltd. in Vancouver for analyses.

In the laboratory, silt samples were oven dried at 60^{o} C then sieved to minus 80 mesh. The coarse fraction was discarded and the minus 80 mesh fraction analyzed for gold, and in some instances platinum and palladium, by atomic absorption plus 30 additional elements by the ICP technique.

SILT AND HMC SAMPLING DISCUSSION

Silt (SILT-1 to 16) and HMC samples (HMC-1 to 3, 5 to 8 and 16), collected along the Keen Creek Road from northwest flowing tributaries, carried anomalous levels of silver and zinc in the southern portion of the map area (see Figure 23). SILT-1 and HMC-1 were taken from Desmond Creek, downstream from the Index mine workings. The HMC values were approximate double those obtained from the silt samples, and returned 34 ppb gold, 14.0 ppm silver, 1000 ppm lead and 1858 ppm zinc. SILT-4 was collected from a small stream (no gravel was available to allow for HMC sampling) which drains the Silver Bear workings and returned 43 ppb gold, 46.6 ppm silver, 1099 ppm lead and 4028 ppm zinc. The silt and HMC samples collected between these two locations all returned silver values of greater than 1.0 ppm and three samples had zinc in excess of 1000 ppm. None of the remaining silt or HMC samples collected along the Keen Creek valley returned results of any significance, likely due to the increasing distance away of the Bismark-Gold Cure mineralizing shear structure as it heads northeasterly. No samples were collected in the Cork-Province-Dublin area where a second subparallel mineralized shear is again located in close proximity to the Keen Creek valley.

Two silt samples (BH97-1 and BH-2) were collected in the Upper Ben Hur creek area (see Figure 5). In 1983, silt samples were collected in this area by the property owners, and one sample, in the vicinity of the projected continuation of the Bismark-Gold Cure shear structure, returned 37.2 ppm silver and 3100 ppm zinc. The two samples collected this year were an attempt to locate the up slope source of this mineralization. Neither sample returned values of any significance.

Four silt samples (MS-1 to 4) were collected in the vicinity of the Metropolitan workings from small seeps located along the sediment-granite contact (see Figure 11). In addition to gold and multi-element ICP, these samples were analyzed for platinum and palladium because of their granitic source. All of these samples returned in excess of 1.0 ppm silver and up to 5 ppb platinum and palladium.

10) CONCLUSIONS

The Bismark property lies along a belt of Slocan series sedimentary and metasedimentary rocks, which form a roof pendant in the surrounding Nelson Batholith. Emplacement of the intrusive rocks caused uplift, folding, fracturing and shearing of the Slocan series rocks. The shears and fractures in the sediments act as conduits for mineralizing solutions which accompany the intrusive events. Galena, sphalerite, and lead and zinc carbonates, containing high-grade silver, are present along several subparallel, linear shear-breccia-replacement zones which trend northeasterly across the property.

Rock grab samples collected from old workings and waste dump piles returned very high grade silver, lead and zinc values from showings lying along the shear-breccia-replacement zones. Many samples returned values of greater than 2000 g/t silver, 5% lead and 5% zinc, confirming reported historical grades.

As most of the old workings are caved, excavator trenching was necessary to find the mineralization in some locations. Trenches at the Cork-Province, Gold Cure and Silver Bear areas exposed economic grades and widths of mineralization. At the Bismark and Gibson workings, excavator trenching did not prove to be a successful exploration tool.

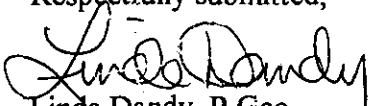
Soil, silt and heavy mineral concentrate sampling may prove useful in defining the extent of the mineralizing trends, however, topographic considerations must be made. An insufficient number of samples were collected to determine the usefulness of soil, silt or heavy mineral concentrate sampling.

In summary, over 9 kilometres of shear-breccia-replacement systems, hosting silver-lead-zinc mineralization, have been located on the Bismark property. These systems are open to depth and in at least one lateral direction. Numerous old high-grade workings lie along these trends, mainly in areas with good outcrop exposure.

Future exploration programs need to concentrate on tracing the depth, extent and grade continuity along the shear-breccia-replacement systems at and between historically proven areas.

Detailed geological, geophysical (VLF-Em) and soil surveys are recommended along the trace of mineralization in order to determine areas with the most promising structures and grades. These target areas should then be opened by excavator trenching, in areas where this has been proven to be an effective tool, or by a combination of diamond and reverse circulation rotary drilling.

Respectfully submitted,



Linda Dandy, P.Geo.

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COST STATEMENT

GENERAL COST:		
Salaries and Wages: 4 pers., 27mdays @ $321.00		$ 8,667.00
Benefits: @ 20%		1,733.40
Food & Accommodation: 4 pers., 146mdays @ $51.14		7,466.75
Supplies: @ Sundry		1,632.33
Travel:		
Helicopter: High Terrain Helicopters	$1,101.83	
4wd Trucks: 73 days @ $44.23	3,228.86	
Fixed Wing: CAI, Vcr-Castlegar	1,097.72	5,428.41
Fuel:		450.58
Power Saw:		50.00
Supervision:		1,872.50
Report Preparation		3,566.25
TOTAL GENERAL COST:		**$30,867.22**

GEOCHEMICAL SURVEY		
Salaries & Wages: 4pers., 46mdays @ $216.65		$ 9,966.00
Benefits: @ 20%		1,993.20
Assays & Analyses: Acme Labs Ltd.		
87 Rock for Ag,Au & 30 elem ICP @ $21.00	$1,827.00	
160 Soil/Silt/HMC for Au & 32 elem ICP @ $11.94	1,910.40	
31 Pulp for Pb @ $9.39	291.09	
6 Pulp for Pb @ $8.43	50.58	
6 Pulp for Zn @ $8.43	50.58	
50 Pulp for Pt/Pd @ $11.56	578.00	
8 Pulverized Samples @ $2.12	16.96	
87 Rock Prep. @ $4.10	356.70	
160 Soil/Silt/HMC Prep. @ $1.31	209.60	5,290.91
Chemex Labs:		
1 Soil for 30 elem ICP		25.57
General Cost Apportioned: (46/146*$30,867.22)		9,725.29
TOTAL GEOCHEMICAL SURVEY COST:		**$27,000.97**

GEOLOGICAL MAPPING	
Salaries & Wages: 2pers., 14mdays @ $321.00	$ 4,494.00
Benefits: @ 20%	898.80
General Cost Apportioned: (14/146*$30,867.22)	2,959.87
TOTAL GEOLOGICAL MAPPING COST:	**$ 8,352.67**

TRENCHING

Salaries & Wages: 3pers., 37mdays @ $287.73		$10,646.00
Benefits: @ 20%		2,129.20
Assays & Analyses: Acme Labs Ltd.		
152 Rock for Ag,Au & 30 elem ICP @ $21.21	$3,223.92	
103 Pulp for Cu,Pb,Zn @ $8.43(special)	868.29	
8 Pulp for Pb, Zn @ $9.39	75.12	
152 Rock Prep @ $4.10	623.20	4,790.53
Fred Critchlow Contracting Ltd., EX-100, ATV, Flatbed		11,989.40
General Costs Apportioned: (37/146*$30,867.22)		7,822.52
TOTAL TRENCHING COST:		**$37,377.65**

TOTAL COSTS

GEOCHEMICAL SURVEY COST	$27,000.97
GEOLOGICAL MAPPING COST	8,352.67
TRENCHING COST	37,377.65
	$72,731.29

QUALIFICATIONS

I, Linda Dandy, hereby certify that:

1. I am an independent Consulting Geologist with P&L Geological Services having an office at RR#1, Walcott Road, Telkwa, British Columbia, V0J 2X0.

2. I am a graduate of the University of British Columbia with the degree of Bachelor of Science in Geology (1981).

3. I am a member of the Association of Professional Engineers and Geoscientists of British Columbia (Registration No. 19236) and a Fellow of the Geological Association of Canada (Membership No. F5201).

4. I have practiced my profession in North America since 1981, having worked as an employee and consultant for Major Mining Corporations and Junior Resource Companies.

5. This report is based upon a personal examination of all available company and government reports pertinent to the subject property, and upon field work undertaken on the property between July 2 and October 30, 1997.

January 9, 1998
Telkwa, B.C.

Linda Dandy, P.Geo., F.G.A.C.
Consulting Geologist

APPENDIX

CERTIFICATES OF ANALYSES

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

Cream Minerals Inc. PROJECT BISMARK File # 97-3520 Page 1

Box 10435, 1610 - 777 Dun, Vancouver BC V7Y 1K5 Submitted by: L. Dandy

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Ag** gm/t	Au** gm/t
DUB-1	28	146	963	662	24.5	227	18	10491	8.25	568	<8	<2	2	42	6.7	3	<3	51	.31	.044	9	101	.45	40	<.01	19	.81	.01	.19	4	14.9	.17
DUB-2	19	30	1174	1621	12.1	113	17	13022	10.09	5603	<8	<2	4	125	12.8	4	<3	19	.44	.059	17	40	.14	22	<.01	15	.54	.01	.15	<2	10.7	.47
DUB-3	62	266	12604	3716	59.1	195	19	10044	9.68	2941	11	<2	<2	39	45.6	16	3	34	.51	.081	9	121	.78	78	.01	11	1.10	.01	.19	3	55.1	.15
DUB-4	3	27	278	2639	1.1	85	10	2008	2.43	189	<8	<2	<2	13	27.8	<3	<3	28	.25	.052	4	106	.62	62	.04	11	.57	.01	.25	5	.3	.02
DUB-5	1	216	11075	41723	72.5	45	7	51692	37.75	939	<8	<2	3	33	493.2	20	<3	17	.12	.006	1	15	1.15	15	<.01	<3	.15	<.01	.03	<2	77.3	.33
DUB-6	3	39	71	2537	1.3	316	35	7190	6.37	250	<8	<2	3	273	25.6	<3	<3	119	3.34	.210	18	493	4.52	56	.01	8	2.83	<.01	.17	<2	.6	.01
MET-1	<1	140	4574	2309	51.7	12	3	11165	4.15	161	<8	<2	<2	669	32.2	5	6	22	17.21	.102	10	9	1.80	18	<.01	8	.16	.01	.06	<2	51.9	.06
CORK #2	<1	437	17090	52451	211.9	53	18	32715	26.24	1302	12	<2	<2	30	530.4	66	<3	6	.79	.012	2	5	.94	2	<.01	<3	.07	<.01	.02	<2	231.1	.71
CORK #3	<1	1567	6916	99999	113.4	20	9	44595	19.49	287	27	<2	<2	29	1686.0	4	5	6	.55	.004	1	5	1.51	<1	<.01	14	.15	.02	.08	2	124.5	.23
HART-1	<1	263	2339	27534	55.1	22	13	25682	18.16	840	<8	<2	<2	48	232.7	<3	16	11	1.40	.010	3	7	.77	<1	<.01	<3	.19	.01	.01	7	545.2	.77
SB-1	4	176	1131	22514	29.9	4	<1	16850	8.27	202	<8	<2	3	1088	155.3	<3	<3	57	17.40	.049	13	5	3.53	39	<.01	9	.41	.01	.13	<2	29.1	.03
SB-2	<1	328	1178	32695	116.7	12	2	9120	6.28	538	<8	<2	<2	635	200.8	6	12	16	16.40	.007	8	6	3.53	2	<.01	4	.36	<.01	.01	<2	3481.2	.14
SB-3	22	146	233	1565	11.2	94	10	1271	3.33	77	11	<2	6	25	17.3	<3	<3	105	.49	.083	18	21	1.22	86	<.01	7	1.47	.01	.26	2	10.0	.02
SB-4	26	172	234	1431	21.9	137	18	2298	3.85	61	12	<2	5	19	22.2	<3	3	104	.36	.073	12	24	1.45	115	<.01	6	1.62	.01	.23	2	20.0	.02
SB-5	2	605	4278	99999	59.5	27	1	10908	5.70	60	<8	<2	<2	821	1243.0	10	3	52	16.15	.004	15	8	2.55	55	<.01	<3	.80	<.01	.02	<2	68.1	.05
SB-6	16	106	93	15031	92.8	25	6	3904	3.34	142	<8	<2	3	257	96.8	14	<3	47	4.53	.089	14	22	1.19	46	.03	3	.81	.03	.11	<2	92.0	.02
SB-7	6	833	18197	51068	413.5	17	<1	6099	5.57	622	<8	<2	<2	572	388.9	318	<3	25	11.66	.010	6	7	1.78	5	<.01	4	.42	.01	.05	13	4536.5	.29
SB-8	22	1383	785	99999	106.8	54	8	8740	6.82	206	<8	<2	<2	158	1037.6	6	3	110	3.14	.040	2	45	2.84	12	<.01	13	.88	.01	.05	2	291.6	.05
TR-SB-2	22	69	85	969	4.3	38	9	229	2.75	8	<8	<2	5	69	8.6	<3	<3	59	1.24	.088	18	43	.96	26	.11	3	1.92	.16	.41	<2	2.7	.02
TR-SB-3	22	61	84	426	3.8	40	10	193	2.71	7	<8	<2	4	68	4.7	<3	3	58	1.22	.087	18	43	.95	24	.11	3	1.92	.16	.43	2	147.1	.06
TR-SB-4	15	158	180	1330	31.8	33	2	2620	1.84	35	<8	<2	<2	16	16.0	<3	<3	43	.16	.035	9	41	.56	49	.01	6	.71	.01	.10	4	29.3	.02
TR-SB-5	4	34	48	730	5.9	17	2	480	.81	19	<8	<2	2	13	4.8	<3	<3	18	.16	.044	4	37	.29	22	.01	3	.41	.01	.08	3	5.0	.01
WIN X	1	6	11	60	.6	6	<1	140	.34	<2	<8	<2	<2	94	1.6	<3	3	8	6.08	.011	2	19	.07	1	<.01	5	.22	<.01	.04	5	.4	.01
WIN #1	<1	640	18112	51686	235.3	43	10	51739	21.84	474	<8	<2	<2	58	542.5	125	21	10	1.02	.019	2	8	1.36	5	<.01	<3	.23	.01	.02	<2	320.5	.11
RE WIN #1	<1	600	18015	49754	234.7	46	8	49519	21.25	455	8	<2	<2	55	517.4	117	12	9	.90	.018	1	7	1.26	<1	<.01	<3	.22	.01	.02	<2	305.5	.11
WIN #2	<1	345	768	58674	172.5	5	<1	60715	23.17	283	<8	<2	6	52	554.6	<3	<3	15	1.20	<.001	1	<1	2.21	<1	<.01	4	.29	<.01	<.01	<2	188.3	.11
WIN #3	4	1413	4638	99999	118.9	49	4	2329	13.71	938	<8	<2	<2	17	1020.0	47	<3	13	.42	<.001	1	9	.12	4	<.01	10	.19	<.01	.03	<2	2264.3	.92
WIN #4	<1	1631	6186	99999	103.7	55	13	17837	9.30	154	<8	<2	<2	60	1427.8	162	<3	8	1.44	.010	1	9	.67	<1	<.01	9	.24	.01	.03	2	552.1	.47
WIN #5	<1	1581	6980	99999	139.3	28	7	37371	17.53	217	29	<2	<2	16	1616.7	12	<3	5	.45	.033	1	7	.89	<1	<.01	<3	.34	<.01	.06	10	446.8	.12
WIN #6	<1	778	6695	62368	107.3	25	8	21865	13.44	465	<8	<2	<2	17	609.7	49	<3	15	.92	.023	2	17	.61	<1	<.01	5	.48	<.01	.04	<2	507.6	1.01
WIN #7	2	1934	14823	99999	159.1	44	4	10906	11.92	391	<8	<2	<2	15	1641.0	1009	<3	15	.07	<.001	1	19	.39	<1	<.01	8	.29	<.01	<.01	12	2242.6	.27
WIN #3-1	37	87	293	507	3.9	36	5	337	4.17	5	<8	<2	5	69	8.2	<3	<3	185	.76	.105	8	76	1.25	83	.10	5	2.15	.14	.53	2	3.4	.01
WIN #3 CUT-1	24	110	1342	623	73.2	4	2	197	3.07	177	<8	<2	<2	5	4.4	10	<3	61	.04	.038	3	23	.16	17	.01	4	.43	.01	.12	3	73.6	.06
WIN #3 CUT-2	5	85	963	987	8.2	15	5	919	2.24	64	<8	<2	5	6	7.0	<3	<3	16	.18	.112	16	20	.17	64	<.01	5	.65	<.01	.22	<2	7.2	.02
WIN #3 CUT-3	12	150	15221	642	220.5	5	<1	192	5.12	306	<8	<2	2	9	4.8	12	<3	17	.03	.034	4	19	.03	20	.01	4	.25	<.01	.10	3	277.6	.14
STANDARD C3/	25	66	35	167	6.9	33	11	872	3.55	56	22	2	17	30	26.1	15	18	78	.61	.089	18	163	.65	150	.10	21	2.00	.04	.16	19	102.1	3.37

Standard is STANDARD C3/R-1/AU-1.

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: ROCK AG** & AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUL 11 1997 DATE REPORT MAILED: July 16/97 SIGNED BY: ..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of the analysis only.

Data C FA

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Ag** gm/t	Au** gm/t
✓WIN #3 CUT-4	26	155	1961	720	21.4	15	3	737	4.54	90	<8	<2	7	19	7.3	<3	<3	44	.08	.113	12	22	.04	73	<.01	4	.48	.01	.26	3	20.1	.02
✓WIN #3 CUT-5	28	615	15295	8481	377.2	20	<1	20531	22.84	526	11	<2	5	11	60.0	25	<3	62	.03	.031	5	29	.04	39	<.01	<3	.46	.01	.17	<2	600.3	.16
RE WIN #3 CUT-5	28	618	15479	8586	320.8	18	<1	20658	23.06	526	9	<2	5	11	60.3	22	5	61	.03	.030	5	29	.03	42	<.01	<3	.47	.01	.17	<2	604.0	.19

Sample type: ROCK. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Ag** gm/t	Au** gm/t	Pt** gm/t	Pd** gm/t
DUB-7	<1	23	1061	1486	7.4	422	41	20980	10.97	587	<8	<2	4	136	11.3	<3	<3	63	2.74	.182	13	218	3.02	67	.02	<3	1.46	<.01	.42	<2	6.8	.02	<.01	<.01
MET-2	3	6	157	140	5.3	14	2	642	.99	9	<8	<2	11	93	1.1	4	5	100	4.27	.161	35	17	.17	26	.11	3	1.30	.03	.05	2	4.9	<.01	<.01	<.01
RE MET-2	3	9	146	133	5.0	16	2	576	.96	7	<8	<2	10	91	.9	5	6	98	4.17	.160	35	17	.16	23	.11	3	1.29	.03	.05	3	5.8	.01	<.01	<.01

Sample type: ROCK. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.
AG** AU** PT** & PD** BY FIRE ASSAY FROM 1 A.T. SAMPLE.

...the liabilities for actual cost of the analysis only.

Data___ FA ___

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

ASSAY CERTIFICATE

Cream Minerals Inc. PROJECT BISMARK File # 97-3520R

Box 10435, 1610 - 777 Dun, Vancouver BC V7Y 1K5

SAMPLE#	PB %	Zn %
DUB-3	1.19	.36
DUB-5	2.11	4.48
CORK #2	9.44	5.43
CORK #3	.80	17.80
HART-1	.44	2.49
SB-1	.13	2.15
SB-2	.14	3.25
SB-5	.48	15.55
SB-6	.01	1.32
RE SB-6	.01	1.34
SB-7	15.59	6.20
SB-8	.07	11.50
WIN #1	15.76	5.31
WIN #2	.10	6.21
WIN #3	10.14	10.45
WIN #4	24.69	14.00
WIN #5	5.06	15.78
WIN #6	14.09	5.69
WIN #7	33.13	14.65
WIN #3 CUT-3	1.40	.06
WIN #3 CUT-5	1.71	.78
STANDARD R-1	1.29	2.04

.250 GM SAMPLE LEACHED IN 30 ML AQUA - REGIA, DILUTE TO 100 ML, ANALYSIS BY ICP.
- SAMPLE TYPE: ROCK PULP
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUL 22 1997 DATE REPORT MAILED: July 29/97 SIGNED BY. ..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of the analysis only.

Data FA

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

Cream Minerals Inc. PROJECT BISMARK File # 97-3734 Page 1

Box 10435, 1610 - 777 Dun, Vancouver BC V7Y 1K5 Submitted by: Linda Dandy

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Pt** ppb	Pd** ppb	Ag** gm/t	Au** gm/t
BM-1	13	1270	2448	99999	255.9	9	4	22495	5.36	57	<8	<2	<2	224	2953.4	1044	<3	10	8.35	.042	2	5	1.67	11	<.01	<3	.28	.01	.10	<2	-	-	2134.5	.03
BM-2	4	1556	1860	99999	261.6	4	4	25923	5.76	25	<8	<2	<2	126	3399.1	1216	<3	5	6.89	.039	1	5	1.66	8	<.01	3	.15	.01	.07	<2	-	-	2323.5	.03
BM-3	10	334	12310	54883	278.1	17	4	43158	7.35	438	<8	<2	<2	420	616.6	371	<3	12	14.14	.045	3	9	2.40	8	<.01	<3	.12	.01	.05	<2	-	-	814.6	.21
BM-4	19	896	22702	76857	246.9	25	3	45482	7.73	1514	8	<2	<2	243	997.2	674	<3	38	12.69	.084	7	13	.41	11	<.01	<3	.22	<.01	.06	<2	-	-	1723.2	.07
BM-5	40	4067	21070	99999	272.4	49	3	18501	5.14	1333	8	<2	<2	39	4089.4	2565	<3	34	3.36	.037	4	10	.36	6	<.01	<3	.26	<.01	.02	<2	-	-	5695.5	.07
BM-6	15	259	432	30763	316.2	10	2	53071	6.43	721	<8	<2	<2	343	336.3	212	<3	37	17.07	.066	6	10	3.27	7	<.01	<3	.14	.01	.04	<2	-	-	483.3	.03
CON-1	2	28	101	725	22.2	12	4	615	1.29	9	<8	<2	<2	19	9.2	12	<3	26	.43	.019	7	35	.47	107	.11	<3	.99	.05	.29	5	1	<1	23.0	<.01
CON-2	2	170	54	371	8.4	35	20	724	4.01	8	<8	<2	4	19	5.4	6	<3	42	.49	.051	15	44	1.19	169	.14	<3	2.00	.03	.64	2	<1	<1	7.2	<.01
CON-3	2	37	33	146	4.0	24	5	199	.83	3	9	<2	3	252	1.8	5	<3	10	2.42	.082	11	21	.23	44	.10	3	2.32	.15	.16	6	1	1	3.8	<.01
CON-4	<1	9	14	81	1.3	11	4	624	1.57	10	<8	<2	3	30	.9	<3	<3	6	1.44	.026	10	17	.09	21	<.01	5	.29	.02	.11	5	1	<1	.7	<.01
CON-5	8	38	13	56	.8	36	6	255	1.51	2	<8	<2	5	106	.5	<3	<3	33	1.17	.096	16	38	.51	38	.11	<3	1.68	.17	.18	3	1	3	<.3	<.01
GC-1	1	16	10	43	.8	7	1	67	.46	<2	<8	<2	<2	6	.5	<3	<3	3	.06	.004	<1	25	.02	4	<.01	<3	.05	.01	.01	6	-	-	.3	.01
GC-2	5	2076	24147	32534	177.2	82	9	1336	4.76	309	<8	<2	<2	21	345.9	430	<3	7	1.80	.017	3	15	.15	9	<.01	<3	.13	.01	.06	18	-	-	1025.9	.14
GC-3	4	1274	14038	48529	161.6	79	9	568	12.34	1205	<8	<2	<2	30	465.2	802	3	4	1.27	.006	<1	10	.58	2	<.01	<3	.05	<.01	.03	12	-	-	2467.5	.69
GC-4	4	846	15958	42467	93.1	63	8	797	9.62	1075	<8	<2	<2	39	407.0	342	3	3	1.10	.008	<1	10	.75	1	<.01	<3	.06	<.01	.03	16	-	-	1264.6	.38
GC-5	2	671	10789	54156	146.6	69	10	1932	13.72	2157	<8	<2	<2	15	536.9	250	<3	4	.80	.003	<1	6	.21	1	<.01	<3	.04	<.01	.02	16	-	-	2017.9	.51
GC-6	4	53	393	1540	8.5	40	9	1387	2.25	22	<8	<2	5	18	12.9	4	<3	17	.39	.114	29	20	.18	48	<.01	<3	.68	<.01	.13	<2	-	-	7.5	<.01
GC-7	12	395	545	72678	134.9	16	6	32654	7.33	110	<8	<2	<2	369	709.0	39	<3	19	13.54	.008	10	5	2.78	24	<.01	4	.14	<.01	.09	<2	-	-	153.7	.03
GC-8	6	545	750	73176	164.8	21	8	16465	4.77	40	<8	<2	2	222	801.3	46	<3	7	8.00	.084	8	8	1.10	28	<.01	5	.24	<.01	.14	14	-	-	175.6	.07
GC-9	2	11	84	341	5.0	9	1	147	1.06	80	<8	<2	<2	3	2.4	3	<3	13	.02	.019	4	16	.01	6	<.01	<3	.13	<.01	.04	6	-	-	4.5	.01
RE GC-9	2	12	81	335	5.1	8	1	139	1.07	81	<8	<2	<2	3	2.4	3	<3	13	.02	.019	5	15	.01	6	<.01	<3	.13	<.01	.04	7	-	-	4.5	.02
INDEX-1	7	53	8488	839	34.0	47	9	110	4.75	3674	<8	<2	2	8	14.7	15	<3	6	.15	.049	3	17	.08	42	<.01	5	.25	.01	.16	6	-	-	35.3	.41
INDEX-2	20	1422	9482	99999	161.7	32	8	161	15.12	2039	<8	<2	<2	11	2004.0	23	<3	8	1.04	.021	1	11	.21	2	.01	3	.66	.01	.24	<2	-	-	158.1	1.47
PRO-1	17	496	20982	57188	164.7	23	9	41046	17.92	182	<8	<2	<2	63	567.8	479	<3	15	1.30	.021	<1	6	1.30	3	<.01	<3	.20	.01	.03	<2	-	-	677.8	.14
PRO-2	8	1213	17388	99999	160.9	18	10	52592	20.13	71	<8	<2	<2	56	2076.9	28	<3	9	1.71	.027	<1	5	1.62	5	<.01	<3	.03	.01	.04	<2	-	-	170.8	.03
PRO-3	<1	2995	19479	99999	229.4	28	35	18721	24.27	729	<8	<2	<2	10	2893.5	173	<3	7	.19	.020	<1	<1	.49	1	<.01	5	<.01	<.01	.01	<2	-	-	343.7	.21
PT-1	<1	12	275	801	1.6	1	1	297	.68	2	<8	<2	16	9	7.7	<3	<3	11	.11	.019	8	11	.11	7	.03	<3	.25	.05	.13	5	<1	<1	1.4	<.01
PT-2	1	27	134	218	.5	13	11	690	3.20	2	<8	<2	5	61	2.2	<3	<3	90	1.27	.189	17	36	1.21	35	.13	<3	1.20	.09	.21	3	1	1	.3	<.01
SB-9	9	10	109	410	1.1	33	7	8132	5.34	48	<8	<2	3	572	4.2	<3	<3	43	15.91	.074	13	20	2.19	31	<.01	<3	1.30	.01	.13	<2	-	-	.3	<.01
SB-10	6	8	139	407	1.5	26	4	5807	5.01	43	<8	<2	2	1007	4.7	<3	<3	114	22.65	.026	17	32	3.33	22	<.01	<3	1.87	.01	.04	<2	-	-	.7	<.01
SB-11	23	82	163	1013	2.5	98	14	1149	3.94	34	<8	<2	6	55	13.6	<3	<3	233	1.03	.085	29	83	2.11	64	.01	<3	2.12	.01	.27	3	-	-	2.1	.03
SB-12	8	56	44	346	1.2	39	5	933	2.20	13	<8	<2	3	63	5.9	<3	<3	78	2.02	.099	10	28	1.28	33	.03	<3	.99	.01	.11	133	-	-	.3	<.01
SB-13	8	11	46	402	1.1	21	4	5431	6.59	69	<8	<2	<2	1207	4.1	<3	<3	83	19.19	.030	18	22	5.13	30	<.01	<3	1.34	.01	.05	<2	-	-	.3	<.01
SB-14	2	9	28	268	.9	19	4	5943	7.04	371	<8	<2	2	1049	3.5	<3	<3	65	18.26	.063	14	29	5.18	43	<.01	<3	1.87	.01	.05	<2	-	-	.3	.02
SB-15	2	18	380	880	2.1	22	8	4804	4.79	114	<8	<2	5	961	9.9	<3	3	40	16.08	.036	21	25	3.87	37	<.01	<3	2.28	.01	.11	<2	-	-	1.7	.01
STANDARD	28	69	45	176	5.8	38	13	824	3.67	60	23	4	19	30	26.0	17	19	84	.61	.092	20	169	.68	125	.11	20	1.98	.05	.16	19	-	-	98.4	3.29

Standard is STANDARD C3/R-1/AU-1.

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: P1 TO P2 ROCK P3 HMC/P4 SILT P5 TO P7 SOIL PT** PD** BY FIRE ASSAY & ANALYSIS BY ULTRA/ICP. (30 gm)
AG** & AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUL 21 1997 DATE REPORT MAILED: July 21/97 SIGNED BY. . . . . D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of the analysis only.

Data FA

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Ag** gm/t	Au** gm/t
SB-16	3	30	27	225	1.1	158	19	2154	3.62	221	<8	<2	3	436	2.9	3	<3	82	7.59	.110	12	208	3.47	48	.01	<3	1.98	<.01	.11	<2	<.3	<.01
SB-17	4	475	2598	31843	103.2	10	1	8778	5.30	330	<8	<2	2	824	250.3	11	<3	27	22.14	.012	7	9	3.48	26	<.01	<3	.37	<.01	.06	25	105.9	.02
RE SB-17	4	487	2580	31703	104.8	9	1	8786	5.31	351	<8	<2	2	824	252.3	12	<3	27	22.16	.012	9	7	3.48	26	<.01	<3	.37	<.01	.06	32	105.0	.03

Sample type: ROCK. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.
AG** & AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.

Assay in progress for Pb, Zn > 1%

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Data / FA

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au** ppb	Pt** ppb	Pd** ppb
HMC-1	6	46	1000	1858	14.0	31	7	391	3.11	108	<8	<2	9	41	29.9	<3	<3	94	.77	.108	29	38	.69	77	.13	<3	1.02	.06	.16	2	34	<1	<1
HMC-2	7	41	27	325	1.3	37	6	456	2.10	12	<8	<2	5	41	1.5	<3	<3	86	.69	.071	12	39	.99	85	.06	<3	1.32	.03	.24	2	<1	1	2
HMC-3	8	46	125	1090	2.3	58	7	601	2.32	40	<8	<2	5	30	5.6	<3	<3	72	.40	.082	17	34	.89	62	.04	<3	1.19	.02	.20	2	1	1	1
HMC-5	2	13	25	108	<.3	22	6	375	2.34	17	<8	<2	7	35	.5	<3	<3	37	.44	.073	25	26	.78	53	.05	<3	1.29	.03	.19	2	<1	<1	<1
HMC-6	1	12	18	107	.3	19	4	280	1.76	8	<8	<2	5	27	1.1	<3	<3	35	.38	.052	19	22	.36	59	.08	<3	.85	.05	.15	5	<1	<1	<1
RE HMC-6	1	12	17	107	<.3	18	4	285	1.78	7	<8	<2	6	28	1.1	<3	<3	36	.38	.052	18	22	.36	60	.08	<3	.87	.05	.16	5	<1	<1	<1
HMC-7	1	13	38	72	<.3	12	5	361	2.04	4	<8	<2	5	76	.4	4	<3	52	.54	.086	16	21	.54	38	.08	<3	.91	.05	.14	3	<1	<1	<1
HMC-8	1	11	4	38	<.3	11	4	261	1.55	2	<8	<2	4	55	.2	<3	<3	42	.43	.066	14	20	.39	44	.08	<3	.73	.06	.14	4	<1	1	<1
HMC-16	2	19	53	108	<.3	21	5	244	1.64	23	<8	<2	5	31	.6	<3	<3	32	.39	.065	14	27	.55	54	.07	<3	.93	.04	.18	4	3	<1	<1
STANDARD C3/FA100	26	66	36	161	5.9	35	11	778	3.71	61	19	<2	19	30	23.9	16	22	79	.59	.093	18	167	.68	154	.09	20	2.00	.04	.17	19	49	50	48

Sample type: HMC. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.
AU** PT** & PD** ANALYSIS BY ULTRA/ICP FROM 30 GM SAMPLE.

All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of the analysis only.

Data FA

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb	Pt** ppb	Pd** ppb
BH97-1	1	18	17	286	.5	34	7	280	1.15	5	<8	<2	2	205	3.9	<3	<3	35	13.91	.070	7	30	7.78	46	.06	<3	1.05	.02	.16	<2	2	-	-
MS-1	1	18	23	56	2.5	22	3	292	.96	9	211	<2	2	246	.9	<3	<3	43	2.12	.100	32	160	.33	44	.03	7	.89	.02	.07	<2	2	5	5
MS-2	1	12	14	53	1.4	20	3	357	1.13	10	99	<2	2	116	.6	<3	<3	52	1.01	.054	17	74	.39	32	.06	<3	.83	.02	.09	<2	<1	4	2
MS-3	3	37	39	123	1.5	64	6	1298	2.06	11	132	<2	3	133	1.4	<3	<3	56	1.20	.081	56	106	.79	77	.07	<3	1.51	.02	.15	<2	1	<1	<1
MS-4	3	39	31	149	1.8	62	8	1553	2.08	9	88	<2	2	138	5.7	3	<3	59	1.49	.089	108	146	.66	93	.06	<3	1.35	.02	.18	<2	1	3	<1
SILT-1	5	39	629	891	7.1	37	8	551	2.70	79	9	<2	5	105	12.7	4	<3	97	.75	.130	31	44	.85	73	.08	<3	1.41	.03	.15	<2	15	-	-
SILT-2	8	66	54	1065	2.5	176	20	10501	5.94	121	<8	<2	<2	110	17.9	5	5	65	1.06	.096	25	36	.86	140	.06	<3	1.34	.02	.13	3	2	-	-
SILT-3	13	118	342	2542	7.3	146	16	1625	3.54	113	<8	<2	3	80	20.9	4	<3	79	.91	.092	23	44	1.14	50	.05	3	1.59	.02	.13	<2	6	-	-
SILT-4	7	91	1099	4028	46.6	53	13	2099	3.95	233	<8	<2	4	62	29.4	6	<3	52	.76	.117	21	35	.99	173	.05	4	1.26	.01	.09	<2	43	-	-
SILT-5	7	24	76	186	1.4	35	12	852	3.03	39	<8	<2	5	85	2.0	3	<3	56	.75	.096	50	39	.95	88	.07	5	2.31	.02	.14	<2	6	-	-
SILT-6	2	28	25	236	.9	39	6	489	1.64	12	<8	<2	4	37	4.2	<3	<3	36	.58	.066	38	21	.39	66	.06	<3	1.36	.01	.10	<2	2	-	-
SILT-7	1	25	11	89	.3	21	9	535	2.54	10	<8	<2	4	112	1.1	5	<3	68	1.12	.194	22	28	.78	44	.06	<3	1.52	.02	.13	<2	2	-	-
SILT-8	3	37	13	95	.5	26	8	564	1.95	5	<8	<2	3	107	1.4	<3	<3	53	1.07	.110	33	26	.64	67	.07	3	1.47	.02	.16	<2	2	-	-
SILT-9	2	42	20	94	1.1	23	8	1026	2.42	8	19	<2	5	134	1.2	4	<3	66	1.25	.120	51	32	.62	78	.07	3	2.25	.02	.12	<2	2	-	-
SILT-10	<1	17	17	67	<.3	17	7	850	1.87	5	<8	<2	6	72	.9	3	<3	53	.67	.107	46	24	.40	64	.07	<3	1.13	.03	.12	<2	1	-	-
RE SILT-10	1	15	17	61	<.3	15	6	772	1.73	4	<8	<2	5	66	.8	<3	<3	49	.62	.103	41	14	.36	58	.07	<3	1.02	.03	.11	<2	1	-	-
SILT-11	1	19	34	66	.4	14	5	1349	1.70	3	26	<2	<2	159	2.0	<3	<3	50	1.39	.108	38	22	.47	56	.05	3	1.35	.02	.08	<2	1	-	-
SILT-12	<1	39	6	28	<.3	266	22	270	2.01	2	<8	<2	4	79	.2	<3	3	50	.83	.132	11	357	2.45	186	.11	3	1.42	.02	.26	<2	1	-	-
SILT-13	2	33	14	106	.7	43	10	551	2.23	15	<8	<2	2	95	1.5	4	3	60	1.13	.075	23	58	.83	103	.12	<3	1.60	.02	.31	<2	3	-	-
SILT-14	1	16	9	62	<.3	23	5	278	1.35	7	36	<2	2	179	1.2	<3	<3	41	2.92	.064	7	47	.53	31	.04	5	.75	.02	.11	<2	1	-	-
SILT-15	2	30	41	133	.8	38	8	367	1.94	9	<8	<2	6	61	2.0	<3	<3	44	.84	.125	20	40	.85	68	.10	4	1.55	.05	.20	<2	3	-	-
SILT-16	1	30	98	143	.7	29	7	301	1.74	38	<8	<2	7	28	.7	<3	<3	39	.47	.090	18	33	.74	50	.10	<3	1.22	.02	.21	<2	7	-	-
STANDARD C3/AU-S	25	66	40	152	5.6	37	12	782	3.48	58	20	<2	21	29	23.7	17	22	80	.60	.088	21	170	.69	151	.11	19	1.96	.04	.17	16	45	-	-

Sample type: SILT. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.
AU* - AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED.(10 GM)
PT** & PD** ANALYSIS BY ULTRA/ICP. (30 gm)

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Data FA

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au** ppb	Pt** ppb	Pd** ppb
SOIL-1	5	12	20	337	<.3	23	6	382	2.00	3	<8	<2	3	20	1.6	<3	<3	54	.16	.049	9	24	.42	90	.11	<3	1.68	.02	.07	<2	2	2	1
SOIL-2	5	13	14	348	<.3	23	10	615	2.41	2	<8	<2	3	26	3.2	4	<3	54	.37	.118	7	33	.62	98	.15	<3	1.98	.03	.10	<2	1	<1	<1
SOIL-3	3	13	18	339	.5	26	7	320	2.10	4	<8	<2	3	25	2.1	<3	<3	51	.30	.106	8	20	.35	100	.12	4	1.71	.02	.09	<2	1	<1	<1
SOIL-4	6	28	24	283	<.3	39	8	665	2.34	17	<8	<2	8	39	4.2	<3	<3	56	.45	.068	47	28	.57	37	.08	<3	1.07	.03	.13	<2	4	<1	<1
RE SOIL-4	6	28	23	282	<.3	39	8	690	2.35	18	<8	<2	8	38	4.0	<3	<3	57	.45	.068	47	28	.57	37	.08	<3	1.06	.03	.13	<2	3	<1	1
L5E 3+00N	1	8	9	58	<.3	8	2	490	1.13	3	<8	<2	2	13	.4	<3	<3	35	.11	.042	7	12	.14	61	.09	3	.59	.01	.04	<2	1	1	<1
L5E 2+75N	1	10	16	127	<.3	12	5	358	1.91	6	<8	<2	2	17	.5	<3	<3	41	.17	.232	7	20	.35	61	.10	<3	1.71	.01	.04	<2	<1	1	1
L5E 2+50N	3	8	22	78	<.3	7	3	289	3.77	2	<8	<2	4	5	1.1	<3	<3	64	.05	.211	6	18	.13	47	.19	<3	3.75	.02	.04	<2	1	1	2
L5E 2+25N	2	8	20	124	<.3	11	4	403	2.46	2	<8	<2	4	13	.6	<3	<3	53	.14	.125	9	19	.31	65	.15	4	1.84	.02	.06	<2	2	2	3
L5E 2+00N	2	6	15	95	<.3	8	5	273	2.59	2	<8	<2	3	8	.5	<3	<3	54	.11	.137	9	17	.20	46	.14	<3	2.01	.02	.06	<2	1	2	2
L5E 1+75N	2	7	11	40	<.3	5	2	212	1.01	2	<8	<2	<2	7	.3	<3	<3	26	.07	.037	8	10	.14	32	.08	<3	.77	.02	.04	<2	<1	<1	<1
L5E 1+50N	1	6	24	37	.5	4	2	194	.97	3	<8	<2	<2	9	<.2	<3	<3	28	.05	.052	6	8	.07	56	.14	3	.65	.02	.03	<2	<1	1	1
L5E 1+25N	3	17	65	334	.5	36	7	804	2.24	19	<8	<2	2	17	1.0	<3	<3	42	.17	.130	17	33	.53	83	.05	<3	2.15	.01	.06	<2	<1	<1	<1
L5E 1+00N	2	24	16	242	1.1	38	8	233	2.83	3	<8	<2	4	26	1.1	<3	<3	59	.12	.146	7	35	.55	61	.12	<3	3.83	.02	.05	<2	1	2	2
L6E 3+00N	2	18	15	117	.4	16	4	259	2.28	5	<8	<2	4	12	.6	<3	<3	48	.17	.107	11	28	.78	61	.08	<3	1.60	.01	.07	<2	<1	<1	<1
L6E 2+75N	2	21	11	99	.4	15	3	172	2.23	5	<8	<2	4	10	.6	<3	<3	49	.14	.065	10	29	1.08	56	.06	<3	1.66	.01	.07	<2	<1	1	1
L6E 2+50N	1	11	24	324	.3	17	8	481	2.69	2	<8	<2	7	19	.8	<3	<3	51	.33	.084	25	28	.58	71	.14	<3	2.04	.02	.16	<2	<1	<1	<1
L6E 2+25N	3	12	19	270	.3	9	5	533	2.47	3	<8	<2	2	17	.9	<3	<3	48	.16	.073	10	19	.37	56	.16	<3	1.39	.02	.10	<2	<1	<1	<1
L6E 2+00N	5	10	80	375	2.1	13	5	420	1.99	11	11	<2	2	48	1.0	<3	<3	66	.28	.054	10	26	.25	51	.14	<3	2.10	.03	.05	<2	<1	2	1
L6E 1+75N	3	11	21	214	.4	7	5	544	1.92	3	<8	<2	<2	19	.9	<3	<3	46	.16	.057	9	15	.31	57	.14	4	1.06	.02	.09	<2	1	1	<1
L6E 1+50N	1	11	15	93	<.3	20	5	271	2.54	2	<8	<2	4	22	.7	<3	<3	67	.12	.065	10	46	.55	51	.15	4	1.41	.02	.08	<2	<1	<1	<1
L6E 1+25N	2	10	10	38	<.3	11	2	126	1.58	2	<8	<2	3	19	<.2	<3	<3	49	.09	.029	5	13	.27	32	.13	<3	.65	.01	.04	<2	<1	<1	<1
L6E 1+00N	2	21	24	71	<.3	29	6	231	2.19	2	<8	<2	4	37	.5	<3	<3	58	.15	.052	7	34	.60	58	.15	<3	1.27	.01	.09	<2	<1	2	<1
L7E 3+00N	2	7	10	41	<.3	9	3	447	1.08	3	<8	<2	2	20	.3	<3	<3	29	.13	.060	9	14	.21	29	.07	<3	.69	.02	.04	<2	<1	<1	<1
L7E 2+75N	1	13	13	76	.4	18	5	231	1.85	2	13	<2	4	50	.3	<3	<3	47	.17	.119	11	24	.37	53	.10	<3	1.42	.02	.05	<2	<1	<1	<1
L7E 2+50N	4	30	15	99	.3	64	9	250	2.33	<2	<8	<2	3	91	.5	<3	<3	80	.21	.085	7	119	1.21	68	.14	3	1.84	.01	.05	<2	<1	<1	<1
L7E 2+25N	2	9	16	65	.6	8	3	511	1.38	2	<8	<2	2	32	.4	<3	<3	33	.08	.191	4	20	.19	76	.12	<3	1.10	.02	.04	<2	1	2	2
L7E 2+00N	<1	6	23	34	.6	5	2	99	.74	<2	<8	<2	2	19	.2	<3	<3	29	.09	.022	6	6	.09	53	.17	3	.65	.02	.03	<2	<1	<1	<1
L7E 1+75N	3	16	12	53	<.3	111	13	249	2.59	<2	<8	<2	2	19	<.2	<3	<3	86	.17	.026	4	297	1.71	63	.42	<3	1.87	.02	.04	<2	<1	2	1
L7E 1+50N	4	10	25	55	<.3	18	5	172	3.19	3	<8	<2	5	33	.4	<3	<3	85	.09	.081	14	73	.38	56	.16	4	2.55	.02	.06	<2	1	2	2
L7E 1+25N	1	10	19	19	.3	3	2	117	.86	2	11	<2	2	16	<.2	<3	<3	39	.08	.035	10	7	.08	33	.15	<3	.71	.02	.04	<2	<1	<1	<1
L7E 1+00N	3	10	13	173	<.3	11	7	2040	2.42	<2	<8	<2	3	25	.8	<3	<3	47	.13	.089	19	13	.21	100	.16	4	2.22	.03	.06	<2	<1	<1	<1
STANDARD C3/FA100	25	65	38	155	5.8	35	12	784	3.52	52	14	2	19	28	23.6	15	18	80	.58	.088	19	167	.65	146	.11	21	1.90	.05	.16	18	49	50	45

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.
AU** PT** & PD** ANALYSIS BY ULTRA/ICP FROM 30 GM SAMPLE.

All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of the analysis only.

Data FA

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
L20E 20+50N	4	49	30	145	1.1	58	10	338	3.13	6	<8	<2	<2	37	1.0	<3	<3	68	.27	.099	15	63	1.18	74	.12	4	2.56	.02	.30	<2	<1
L20E 20+25N	2	39	57	128	1.1	42	7	226	2.33	5	<8	<2	<2	18	.4	<3	<3	57	.17	.076	11	49	.93	52	.11	<3	1.86	.01	.13	<2	<1
RE L20E 20+25N	2	38	49	122	1.0	39	7	216	2.18	4	<8	<2	<2	17	.2	<3	<3	55	.16	.070	10	47	.87	49	.11	3	1.73	.01	.12	<2	1
L20E 20+00N	2	34	100	549	1.5	52	9	306	2.56	10	<8	<2	3	23	2.1	<3	<3	52	.30	.111	15	45	.90	75	.10	3	2.35	.02	.16	<2	2
L20E 19+75N	1	25	18	93	1.2	43	9	293	2.37	4	<8	<2	2	25	.6	<3	<3	54	.31	.086	14	50	.75	50	.10	<3	1.78	.02	.13	<2	1
L20E 19+50N	1	23	13	73	.4	26	7	290	1.93	4	<8	<2	<2	28	.3	<3	<3	53	.28	.074	15	38	.61	49	.09	<3	1.52	.02	.14	<2	<1
L20E 19+25N	1	33	12	80	.5	43	10	309	2.43	5	<8	<2	2	20	.2	<3	<3	57	.32	.093	14	61	.94	89	.12	3	1.99	.02	.26	<2	<1
L20E 19+00N	1	25	57	300	1.8	40	8	166	2.05	5	<8	<2	<2	16	.4	<3	<3	36	.19	.113	7	30	.45	40	.09	3	1.17	.01	.04	<2	<1
L21E 21+00N	<1	14	11	132	.6	21	8	567	1.57	7	<8	<2	<2	17	.6	<3	<3	34	.17	.080	6	26	.45	67	.09	<3	1.21	.03	.06	<2	<1
L21E 20+75N	1	44	22	237	<.3	111	18	1675	2.98	11	<8	<2	2	29	1.9	<3	<3	63	.33	.077	13	170	1.70	171	.14	<3	2.94	.02	.26	<2	1
L21E 20+50N	<1	15	15	96	<.3	17	7	499	1.33	8	<8	<2	<2	15	.4	<3	<3	28	.13	.048	8	16	.22	56	.08	<3	.84	.01	.03	<2	<1
L21E 20+25N	2	8	11	96	<.3	14	5	396	1.63	5	<8	<2	<2	16	.3	<3	<3	37	.14	.165	9	20	.29	72	.11	<3	1.55	.02	.05	<2	<1
L21E 20+00N	1	11	15	60	<.3	16	5	1036	1.34	3	<8	<2	<2	12	.2	<3	<3	34	.14	.079	9	22	.41	55	.09	<3	1.03	.02	.06	<2	<1
L21E 19+75N	<1	12	15	82	1.2	11	6	1438	1.62	<2	<8	<2	<2	13	.3	<3	<3	33	.16	.221	6	16	.21	209	.14	<3	1.73	.02	.05	<2	<1
L21E 19+50N	<1	13	15	128	<.3	18	9	1257	1.82	3	<8	<2	2	18	.2	<3	<3	34	.21	.131	10	26	.42	181	.11	<3	1.53	.02	.10	<2	<1
L21E 19+25N	<1	11	12	130	<.3	20	8	487	2.12	<2	<8	<2	3	15	.5	<3	<3	46	.15	.137	9	28	.52	100	.14	<3	1.90	.02	.06	<2	<1
L21E 19+00N	1	12	11	133	<.3	22	9	511	2.17	2	<8	<2	3	16	.4	<3	<3	46	.15	.163	10	30	.53	95	.13	<3	2.18	.02	.06	<2	<1
L22E 21+00N	3	37	80	697	3.1	56	18	1370	4.36	231	<8	<2	3	21	3.9	<3	<3	57	.20	.157	16	44	.73	158	.11	3	2.56	.01	.13	<2	2
L22E 20+75N	5	39	94	972	3.2	66	18	1324	3.88	771	<8	<2	3	20	5.2	<3	<3	61	.16	.146	15	47	.90	110	.13	<3	3.20	.02	.14	<2	123
L22E 20+50N	3	36	154	800	1.9	44	14	1131	3.31	199	<8	<2	2	33	5.3	<3	<3	44	.45	.264	13	39	.62	142	.12	4	4.27	.02	.09	<2	5
L22E 20+25N	<1	21	24	169	.9	26	8	493	2.19	9	<8	<2	2	16	1.1	<3	<3	48	.13	.110	11	39	.66	95	.11	3	1.60	.01	.09	<2	1
L22E 20+00N	<1	33	15	127	.4	37	10	453	2.50	8	<8	<2	<2	20	.8	<3	<3	52	.22	.182	15	48	1.10	120	.11	<3	3.05	.02	.19	<2	1
L22E 19+75N	2	28	13	121	.4	36	8	728	2.13	3	<8	<2	<2	11	.6	<3	<3	50	.15	.085	9	47	1.08	50	.10	<3	2.28	.01	.09	<2	<1
L22E 19+50N	1	46	11	201	.8	68	16	409	2.67	4	<8	<2	2	23	1.0	<3	<3	51	.27	.172	10	42	.96	79	.12	<3	2.38	.02	.12	<2	<1
L22E 19+25N	1	28	14	163	.7	35	14	710	2.67	<2	<8	<2	2	22	1.3	<3	<3	62	.21	.113	9	35	.87	82	.14	<3	2.50	.02	.08	<2	<1
L22E 19+00N	1	23	12	199	<.3	33	12	836	2.74	<2	<8	<2	<2	25	1.2	<3	<3	57	.23	.091	9	38	.98	88	.14	<3	2.21	.02	.08	<2	<1
L23E 21+00N	2	28	25	226	.7	38	13	1478	3.06	35	<8	<2	<2	18	1.7	<3	<3	58	.17	.103	11	45	.89	154	.16	<3	3.06	.02	.13	<2	<1
L23E 20+75N	2	40	26	236	.5	51	15	1013	3.38	44	<8	<2	3	25	2.5	<3	<3	65	.24	.087	13	50	1.20	204	.18	<3	3.83	.02	.26	<2	1
L23E 20+50N	1	29	20	153	.3	29	8	616	2.28	15	<8	<2	<2	20	1.1	<3	<3	51	.19	.058	10	33	.71	134	.12	<3	1.78	.02	.17	<2	1
L23E 20+25N	3	28	36	356	<.3	47	11	711	2.52	19	<8	<2	2	26	2.6	<3	<3	53	.24	.121	12	36	.65	141	.10	<3	1.98	.02	.10	<2	<1
L23E 20+00N	3	25	19	456	.5	51	12	255	2.47	5	<8	<2	2	18	2.5	<3	<3	54	.16	.099	10	34	.58	80	.11	<3	2.30	.02	.07	<2	<1
L23E 19+75N	9	38	19	590	.6	51	13	370	4.06	3	<8	<2	3	37	3.2	<3	<3	92	.15	.163	11	40	.64	140	.12	<3	2.52	.02	.09	<2	<1
L23E 19+50N	6	48	18	472	.6	57	12	346	3.44	5	<8	<2	3	33	2.4	<3	<3	77	.17	.139	12	37	.65	93	.10	<3	2.39	.03	.08	<2	<1
L23E 19+25N	1	22	9	245	.3	39	11	506	2.01	<2	<8	<2	<2	34	1.6	<3	<3	30	.28	.140	8	18	.30	44	.06	<3	2.10	.04	.03	<2	<1
L23E 19+00N	1	22	10	262	<.3	36	12	560	2.40	<2	<8	<2	3	26	2.0	<3	<3	55	.27	.090	11	36	.67	99	.14	<3	2.14	.02	.08	<2	1
STANDARD C3/AU-S	27	69	37	164	5.7	38	13	798	3.69	59	23	2	18	30	25.5	10	21	82	.60	.094	21	168	.68	147	.11	20	2.06	.04	.16	16	48

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.
AU* - AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED.(10 GM)

All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of the analysis only.

Data ✓ FA ✓

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
L81E 48+00N	3	40	130	333	2.3	40	13	1656	2.23	11	<8	<2	<2	37	3.6	<3	<3	70	.35	.083	8	34	.52	104	.08	<3	1.21	.02	.09	<2	<1
L81E 47+75N	2	17	80	312	1.3	26	7	787	1.71	6	<8	<2	<2	40	2.7	<3	<3	58	.56	.123	6	28	.46	84	.07	<3	1.32	.02	.08	<2	<1
L81E 47+50N	4	20	103	367	1.3	27	7	797	1.96	6	<8	<2	<2	32	1.8	<3	<3	69	.29	.063	8	37	.61	158	.09	3	1.40	.02	.10	<2	<1
L81E 47+25N	6	45	704	505	17.2	17	5	1022	2.03	26	<8	<2	<2	17	2.9	4	<3	54	.19	.086	8	20	.29	118	.06	<3	1.06	.02	.07	<2	2
L81E 47+00N	8	22	81	506	.9	33	5	232	2.35	15	<8	<2	2	21	1.4	<3	<3	77	.16	.079	8	30	.52	70	.11	<3	1.48	.02	.06	<2	1
L81E 46+75N	13	231	8051	3371	97.5	33	10	4960	7.53	177	<8	<2	2	26	31.8	13	<3	68	.33	.161	15	37	.97	53	.05	<3	1.74	.02	.13	<2	31
L81E 46+50N	<1	37	118	1154	1.6	51	12	470	2.80	2	<8	<2	2	31	3.9	<3	<3	57	.30	.067	10	40	.85	64	.12	3	2.69	.02	.18	<2	<1
L81E 46+25N	<1	27	25	146	.6	51	9	541	1.78	2	<8	<2	<2	97	1.9	<3	<3	37	.65	.076	7	79	.67	87	.05	<3	1.67	.02	.08	<2	<1
L81E 46+00N	4	26	107	332	<.3	54	11	656	3.00	7	<8	<2	2	61	2.5	<3	<3	96	.44	.105	12	49	.87	98	.11	<3	2.78	.03	.17	<2	<1
L81E 45+75N	1	24	50	275	.3	57	12	767	2.89	5	<8	<2	3	76	2.4	<3	<3	88	.73	.185	19	56	.95	141	.10	4	2.05	.03	.26	<2	<1
L81E 45+50N	<1	15	14	111	<.3	28	7	247	2.32	3	<8	<2	2	61	1.3	<3	<3	76	.30	.045	15	42	.55	82	.14	<3	1.52	.02	.33	<2	<1
RE L81E 45+50N	1	17	14	107	<.3	27	7	234	2.29	3	<8	<2	2	60	1.3	<3	<3	75	.29	.044	16	40	.53	78	.14	<3	1.47	.02	.31	<2	<1
L81E 45+25N	1	15	16	245	.3	43	12	304	3.44	3	<8	<2	3	33	2.1	<3	<3	91	.22	.063	10	55	.77	112	.20	<3	3.15	.03	.32	<2	<1
L81E 45+00N	1	42	47	263	<.3	90	19	375	3.96	8	<8	<2	3	130	4.9	<3	<3	121	.59	.063	17	95	1.27	66	.11	4	3.13	.05	.31	<2	<1
L82E 48+00N	3	51	82	313	1.8	74	15	1828	2.96	28	<8	<2	<2	73	4.6	<3	<3	66	1.24	.164	13	47	1.01	86	.07	3	2.14	.03	.15	<2	1
L82E 47+75N	10	57	506	530	8.2	66	15	2154	2.89	40	<8	<2	<2	66	7.0	4	<3	78	1.01	.162	16	47	.94	67	.05	<3	1.76	.02	.11	<2	3
L82E 47+50N	3	33	62	264	.7	42	12	1533	2.39	5	<8	<2	<2	63	5.1	<3	<3	64	.64	.103	10	47	.87	191	.13	3	2.01	.03	.29	<2	<1
L82E 47+25N	5	37	20	284	.3	86	14	508	2.42	4	<8	<2	<2	25	3.0	<3	<3	73	.24	.065	8	84	.62	50	.08	<3	1.59	.02	.08	<2	1
L82E 47+00N	329	865	22435	4567	203.4	114	19	7388	9.73	352	<8	<2	5	24	50.3	75	<3	65	.27	.143	24	43	.84	35	.02	<3	1.71	.01	.11	2	122
L82E 46+75N	27	44	287	604	5.3	46	15	3186	2.35	12	<8	<2	<2	19	9.1	<3	<3	69	.19	.076	11	34	.66	183	.06	5	1.83	.02	.09	<2	3
L82E 46+50N	<1	27	580	905	5.0	35	5	415	2.20	16	<8	<2	<2	19	1.3	<3	<3	55	.30	.075	8	43	1.08	74	.04	<3	2.27	.01	.05	<2	6
L82E 46+25N	1	46	2136	1918	28.6	20	7	2873	2.21	32	<8	<2	<2	34	11.7	4	<3	35	.73	.110	8	20	.36	99	.04	4	1.39	.03	.07	<2	5
L82E 46+00N	3	30	17	246	.7	71	12	277	3.14	<2	<8	<2	3	31	1.7	<3	<3	95	.41	.043	9	80	1.65	60	.10	5	3.22	.01	.11	<2	<1
L82E 45+75N	4	53	16	330	1.2	110	19	389	3.39	<2	<8	<2	6	267	13.6	<3	<3	120	1.48	.140	28	46	.89	102	.05	7	3.40	.12	.09	<2	<1
L82E 45+50N	<1	31	53	185	.7	45	13	1270	2.20	5	<8	<2	<2	128	3.2	<3	<3	63	.58	.062	16	33	.74	216	.10	<3	1.69	.02	.16	<2	<1
L82E 45+25N	4	30	19	324	<.3	62	10	291	2.56	2	<8	<2	4	416	3.5	3	<3	119	.67	.045	12	58	.68	70	.04	<3	2.61	.03	.13	<2	<1
L82E 45+00N	<1	7	14	87	<.3	14	5	513	1.83	2	<8	<2	2	28	<.2	<3	<3	53	.21	.034	9	25	.28	81	.14	<3	1.11	.02	.12	<2	<1
STANDARD C3/AU-S	24	67	41	159	5.8	35	12	788	3.45	53	15	4	17	29	22.6	17	18	81	.59	.090	19	171	.64	135	.12	20	1.91	.05	.17	20	52

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.
AU* - AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED.(10 GM)

All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of the analysis only.

Data 1 FA 1

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

ASSAY CERTIFICATE

Cream Minerals Inc. PROJECT BISMARK File # 97-3734R

Box 10435, 1610 - 777 Dun, Vancouver BC V7Y 1K5 Submitted by: Linda Dandy

SAMPLE#	Pb %	Zn %
BM-1	-	26.36
BM-2	-	31.25
BM-3	1.67	5.91
BM-4	2.80	7.99
BM-5	2.36	30.23
BM-6	-	3.29
GC-2	14.58	3.12
GC-3	6.41	4.80
GC-4	5.01	3.93
GC-5	4.79	5.36
GC-7	-	8.38
GC-8	-	8.18
INDEX-2	4.38	10.53
PRO-1	29.54	5.68
PRO-2	2.26	22.43
PRO-3	8.35	27.46
SB-17	-	4.74

1.00 GM SAMPLE LEACHED IN 75 ML AQUA - REGIA, DILUTE TO 250 ML, ANALYSIS BY ICP.
- SAMPLE TYPE: ROCK PULP

DATE RECEIVED: AUG 5 1997 **DATE REPORT MAILED:** Aug 11/97 **SIGNED BY**.....D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of the analysis only.

Data d FA ___

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

ASSAY CERTIFICATE

Cream Minerals Inc. PROJECT BISMARK File # 97-3734R2

Box 10435, 1610 - 777 Dun, Vancouver BC V7Y 1K5 Submitted by: Linda Dandy

SAMPLE#	Pb %
BM-1	.27
BM-2	.23
BM-6	.04
GC-7	.06
GC-8	.08
SB-17	.32

PB BY REGULAR ASSAY ICP.
- SAMPLE TYPE: ROCK PULP

DATE RECEIVED: AUG 19 1997 **DATE REPORT MAILED:** Aug 21/97 **SIGNED BY.** .D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of the analysis only.

Data FA

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

Cream Minerals Inc. PROJECT BISMARK File # 97-6002 Page 1

Box 10435, 1610 - 777 Dun, Vancouver BC V7Y 1K5 Submitted by: LINDA DANDY

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Ag** gm/t	Au** gm/t
T97-1 0-2	1	54	58	221	1.9	53	7	1005	1.68	28	<8	<2	4	14	1.8	<3	<3	42	.46	.134	27	30	.27	31	<.01	<3	.66	.01	.10	<2	2.8	.02
T97-1 2-4	2	55	16	165	1.0	67	8	431	2.21	6	<8	<2	4	26	1.5	<3	<3	52	.64	.152	19	51	.82	28	.04	<3	1.12	.01	.05	<2	<.3	.01
T97-1 4-6	1	38	38	166	1.3	49	7	608	2.00	4	<8	<2	4	25	1.1	<3	<3	32	.56	.106	22	37	.70	38	.02	<3	1.17	.01	.09	<2	1.1	.01
T97-1 6-8	1	57	343	1224	6.7	37	6	503	1.91	41	<8	<2	5	20	6.1	3	<3	23	.44	.122	25	20	.21	35	<.01	<3	.71	<.01	.09	<2	6.6	.01
T97-1 8-10	9	357	6213	5363	233.4	21	8	1208	2.73	168	<8	<2	3	18	15.3	29	<3	20	.38	.146	16	21	.07	25	<.01	4	.41	<.01	.10	3	526.9	.41
RE T97-1 8-10	9	368	6298	5499	122.0	21	8	1224	2.79	169	<8	<2	2	19	15.7	30	<3	20	.39	.151	16	21	.07	26	<.01	<3	.43	<.01	.10	2	521.6	.40
T97-1 10-12	9	321	17789	7061	187.6	30	8	1993	2.88	217	<8	<2	4	9	27.8	34	<3	17	.20	.100	22	16	.06	40	<.01	4	.40	<.01	.12	4	305.1	.08
T97-1 12-14	7	186	227	8080	46.4	27	9	2317	3.05	51	<8	<2	3	6	37.5	16	<3	12	.14	.082	17	16	.05	38	<.01	<3	.33	<.01	.12	2	45.1	.03
T97-1 14-16	11	486	2072	7890	158.3	18	9	1477	3.83	111	<8	<2	3	6	23.0	42	<3	9	.15	.098	18	13	.04	32	<.01	<3	.33	<.01	.13	2	164.6	.07
T97-1 16-18	4	46	99	868	5.9	13	1	83	2.45	344	<8	<2	5	13	18.3	5	<3	13	.08	.084	24	10	.03	26	<.01	<3	.28	<.01	.12	<2	6.2	.03
T97-1 18-20	3	66	53	2392	2.9	53	35	2106	2.34	29	<8	<2	5	16	11.6	3	<3	28	.22	.104	30	28	.18	72	.01	<3	.68	<.01	.09	<2	2.9	<.01
T97-1 20-22	2	54	19	1568	1.5	53	9	1414	2.38	33	<8	<2	6	10	6.1	<3	<3	40	.21	.094	45	38	.33	64	<.01	4	.77	<.01	.06	<2	1.0	.01
T97-1 14.1	31	1949	22414	68096	126.1	24	6	2396	5.02	76	<8	<2	<2	5	39.7	189	<3	6	.03	.027	7	13	.02	13	<.01	<3	.12	<.01	.04	<2	813.8	.05
T97-2 0-2	<1	65	92	239	3.2	38	9	768	1.71	15	<8	<2	5	13	1.0	<3	<3	28	.26	.082	29	28	.12	41	<.01	<3	.69	<.01	.08	<2	2.8	.01
T97-2 2-4	2	70	230	483	7.8	52	10	697	2.73	11	<8	<2	6	17	1.4	4	<3	23	.32	.090	32	22	.14	41	<.01	<3	.63	<.01	.08	<2	6.3	.02
T97-2 4-6	1	57	18	147	1.1	49	9	771	1.82	7	<8	<2	5	24	1.2	<3	<3	33	.46	.124	28	34	.27	58	<.01	<3	.93	<.01	.08	<2	.7	.01
T97-2 6-8	1	49	32	228	1.4	45	9	590	1.94	4	<8	<2	4	18	1.6	<3	<3	34	.40	.099	21	37	.61	48	.05	<3	.96	.01	.09	<2	1.0	<.01
RE T97-2 6-8	2	50	38	239	1.8	47	9	625	2.01	4	<8	<2	6	18	1.8	<3	<3	36	.42	.103	22	40	.64	49	.05	<3	1.01	.01	.09	<2	.5	<.01
T97-2 8-10	1	47	161	1061	5.0	34	8	1822	2.21	35	<8	<2	4	18	12.8	<3	<3	33	.36	.119	24	26	.34	52	.01	<3	.75	<.01	.14	<2	4.7	.01
T97-2 10-12	1	44	40	542	1.8	39	9	1484	2.16	14	<8	<2	4	23	7.7	<3	<3	33	.35	.097	26	20	.60	72	.01	<3	1.16	.01	.15	<2	1.1	.01
T97-2 12-14 not received	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T97-2 14-16 not received	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T97-3	<1	90	96	213	1.5	42	10	605	2.43	28	<8	<2	4	10	1.1	5	<3	20	.27	.112	39	20	.42	53	<.01	<3	.97	<.01	.14	<2	1.3	.01
T97-5 0-2	<1	38	13	80	.5	36	10	480	2.20	15	<8	<2	4	7	.4	<3	<3	48	.29	.094	15	46	1.30	31	.06	3	1.55	.01	.10	<2	<.3	.01
T97-5 2-4	1	37	11	122	.8	31	7	892	1.75	18	<8	<2	4	17	1.9	<3	<3	28	.48	.105	19	25	.42	35	.02	<3	.79	.01	.04	<2	<.3	<.01
T97-5 4-6	2	52	110	1081	4.4	47	8	1121	2.06	57	<8	<2	4	17	6.8	<3	<3	27	.51	.117	24	36	.38	46	.01	<3	.69	<.01	.12	<2	4.3	.01
T97-5 6-8	10	66	605	2995	66.5	82	9	7605	3.03	230	<8	<2	5	22	40.0	10	<3	17	.44	.092	24	21	.10	103	<.01	3	.40	<.01	.16	2	66.0	.12
T97-5 8-10	11	134	1166	1883	131.8	42	7	3595	3.40	424	<8	<2	<2	12	24.5	16	<3	14	.23	.069	13	20	.04	56	<.01	<3	.24	<.01	.10	2	150.1	.15
T97-5 10-12	15	80	693	1121	60.1	46	6	5263	3.96	322	<8	<2	2	28	11.5	14	<3	24	.36	.098	12	23	.04	69	<.01	<3	.26	<.01	.09	2	56.5	.12
T97-5 12-14	4	45	44	313	3.3	55	8	1275	2.54	45	<8	<2	5	13	3.5	3	<3	41	.48	.155	25	39	.05	33	<.01	<3	.45	<.01	.11	2	1.4	.01
T97-5 14-16	4	40	132	288	2.2	46	8	1752	1.96	43	<8	<2	6	10	3.1	3	<3	28	.39	.144	28	31	.05	51	<.01	4	.42	<.01	.13	<2	1.3	<.01
T97-5 28.2-31	2	52	908	809	4.7	37	7	3968	2.81	90	<8	<2	4	41	6.2	3	<3	17	.98	.430	26	19	.08	41	<.01	3	.53	<.01	.17	<2	3.8	.01
T97-5 32.8-35	1	43	16	119	1.6	98	10	903	2.67	8	<8	<2	4	22	1.3	<3	<3	46	.47	.152	44	67	1.01	43	.03	<3	1.32	.01	.05	<2	1.8	.01
STANDARD C3/R-1/AU-1	25	65	37	153	5.8	37	12	759	3.27	53	17	<2	17	28	23.2	16	19	80	.57	.084	19	170	.58	143	.09	19	1.81	.04	.15	17	97.3	3.38
STANDARD G-1	<1	3	4	50	<.3	9	5	598	2.13	<2	<8	<2	2	65	<.2	<3	<3	44	.60	.078	7	87	.66	270	.15	<3	1.02	.06	.52	<2	<.3	<.01

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: ROCK AG** & AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: OCT 9 1997 DATE REPORT MAILED: Oct 20/97 SIGNED BY. D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of the analysis only.

Data___ FA ___

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Ag** gm/t	Au** gm/t
T97-6 2-4.6	2	49	16	46	1.0	40	7	261	1.32	2	<8	<2	3	30	.7	<3	<3	18	.77	.252	13	24	.34	29	.06	<3	.60	.02	.07	2	.4	.02
B197-1 0-3	11	56	23	74	1.7	41	10	146	5.16	2	<8	<2	10	354	1.0	<3	<3	98	2.39	.100	10	48	.61	43	.06	<3	3.70	.25	.29	11	<.3	.01
B197-1 3-6	7	46	69	214	5.4	54	19	341	4.80	15	10	<2	11	75	3.0	<3	<3	76	.97	.061	17	40	.99	23	.03	4	2.15	.05	.13	<2	4.6	<.01
B197-1 6-9	9	43	85	416	7.1	57	12	501	4.53	17	<8	<2	7	381	17.6	5	<3	98	6.58	.115	13	55	.73	64	.06	3	3.39	.09	.25	<2	5.6	.02
B140-B146.2	27	91	487	918	3.3	85	12	1058	3.48	51	<8	<2	5	22	8.1	4	<3	119	.42	.127	26	29	1.09	59	<.01	3	1.17	<.01	.19	<2	3.3	.01
RE B140-B146.2	27	90	510	904	3.2	83	11	1054	3.43	52	<8	<2	5	21	7.9	4	<3	118	.41	.126	26	31	1.08	59	<.01	5	1.15	<.01	.19	<2	3.9	<.01
B146.2-B148	150	918	19263	13704	743.5	94	10	18853	11.50	988	<8	<2	3	71	66.4	325	<3	73	.68	.265	18	15	.67	55	.01	3	.96	<.01	.09	<2	2171.4	.30
B148-B153	37	93	1243	2040	26.6	81	10	2659	3.17	182	<8	<2	4	69	18.7	10	<3	105	1.52	.216	19	30	.96	55	<.01	4	1.13	<.01	.16	2	26.0	.01
B175	11	1167	19875	99999	186.0	17	2	6467	6.41	513	<8	<2	<2	366	1016.1	213	<3	14	7.36	.005	2	3	1.28	9	<.01	4	.15	<.01	.02	<2	2361.8	.12
SB-30	1	43	55	148	1.3	19	4	1246	1.78	2	<8	<2	<2	265	1.1	<3	<3	26	5.28	.058	4	10	1.41	64	.01	3	.47	.01	.05	<2	1.5	<.01
97CURE-1	113	163	475	1598	7.4	120	18	266	3.25	3	13	<2	2	133	29.7	6	<3	203	1.68	.115	4	51	.38	53	.06	<3	2.57	.13	.23	<2	7.4	<.01
97CURE-2	37	115	35	501	2.2	62	11	193	3.25	2	<8	<2	4	121	6.4	<3	3	99	1.61	.099	6	32	.41	91	.07	3	2.45	.10	.18	3	2.4	<.01
97CURE-3	2	31	32	41	1.6	3	3	225	2.29	<2	<8	<2	4	76	.4	<3	<3	25	.51	.126	19	8	.50	38	.10	<3	.86	.06	.36	<2	.4	<.01
STANDARD C3/R-1/AU-1	25	63	34	145	5.7	36	12	741	3.32	50	18	2	17	28	22.0	15	20	79	.55	.082	19	167	.57	143	.10	20	1.82	.04	.15	19	103.6	3.32
STANDARD G-1	2	2	<3	36	<.3	6	4	520	2.00	<2	<8	<2	4	72	<.2	<3	<3	41	.64	.090	9	17	.56	228	.14	<3	.97	.09	.47	5	-	-

Sample type: ROCK. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of the analysis only.

Data h FA ___

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

ASSAY CERTIFICATE

Cream Minerals Inc. PROJECT BISMARK File # 97-6002R Page 1

Box 10435, 1610 - 777 Dun, Vancouver BC V7Y 1K5 Submitted by: LINDA DANDY

SAMPLE#	CU %	PB %	Zn %
T97-1 0-2	.006	<.01	.03
T97-1 2-4	.005	<.01	.02
T97-1 4-6	.004	<.01	.02
T97-1 6-8	.005	.03	.14
T97-1 8-10	.035	.58	.54
RE T97-1 8-10	.035	.58	.53
T97-1 10-12	.031	1.72	.70
T97-1 12-14	.018	.02	.80
T97-1 14-16	.049	.22	.81
T97-1 16-18	.006	.01	.11
T97-1 18-20	.006	<.01	.28
T97-1 20-22	.005	<.01	.17
T97-1 14.1	.179	3.17	5.84
T97-2 0-2	.005	.01	.02
T97-2 2-4	.006	.02	.05
T97-2 4-6	.005	<.01	.02
T97-2 6-8	.004	<.01	.03
RE T97-2 6-8	.006	<.01	.03
T97-2 8-10	.005	.01	.12
T97-2 10-12	.003	<.01	.06
T97-2 12-14 not received	-	-	-
T97-2 14-16 not received	-	-	-
T97-3	.007	.01	.02
T97-5 0-2	.004	<.01	.01
T97-5 2-4	.004	<.01	.01
T97-5 4-6	.005	.01	.13
T97-5 6-8	.006	.06	.34
T97-5 8-10	.013	.11	.22
T97-5 10-12	.008	.06	.13
T97-5 12-14	.004	<.01	.03
T97-5 14-16	.004	.01	.03
T97-5 28.2-31	.004	.09	.09
T97-5 32.8-35	.004	<.01	.01
STANDARD R-1	.836	1.25	2.31

1 GM SAMPLE DIGESTED IN 50 ML AQUA - REGIA, DILUTE TO 100 ML, ANALYSIS BY ICP.
- SAMPLE TYPE: ROCK PULP
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: NOV 12 1997 DATE REPORT MAILED: Nov 14/97 SIGNED BY. .D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of the analysis only.

Data ✓ FA ____

SAMPLE#	CU %	PB %	Zn %
T97-6 2-4.6	.005	<.01	.01
BI97-1 0-3	.007	<.01	.01
BI97-1 3-6	.006	.01	.03
BI97-1 6-9	.004	.01	.05
B140-B146.2	.009	.05	.11
RE B140-B146.2	.010	.05	.11
B146.2-B148	.090	9.08	1.39
B148-B153	.009	.13	.25
B175	.140	10.43	14.26
SB-30	.005	.01	.02
97CURE-1	.017	.05	.19
97CURE-2	.013	<.01	.06
97CURE-3	.002	<.01	<.01
STANDARD R-1	.852	1.31	2.27

Sample type: PULP. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of the analysis only.

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ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

Cream Minerals Inc. PROJECT BISMARK File # 97-6005

Box 10435, 1610 - 777 Dun, Vancouver BC V7Y 1K5 Submitted by: LINDA DANDY

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
BH-2	2	21	12	112	<.3	32	8	531	2.16	3	13	<2	<2	86	9.8	3	<3	73	1.60	.083	14	48	.54	52	.10	4	1.95	.07	.19	<2	<1

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL.
- SAMPLE TYPE: SILT AU* - AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED.(10 GM)

DATE RECEIVED: OCT 9 1997 DATE REPORT MAILED: Oct 20/97 SIGNED BY. . . . . D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of the analysis only.

Data FA

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

Cream Minerals Inc. PROJECT BISMARK File # 97-6006

Box 10435, 1610 - 777 Dun, Vancouver BC V7Y 1K5 Submitted by: LINDA DANDY

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
GC 9+75E 5+50N	1	60	18	89	2.0	90	12	401	2.64	3	<8	<2	2	67	3.4	<3	<3	12	1.10	.411	12	7	.02	9	.03	<3	.57	.02	.01	<2	5

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL.
- SAMPLE TYPE: SOIL AU* - AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED.(10 GM)

DATE RECEIVED: OCT 9 1997 DATE REPORT MAILED: Oct 20/97 SIGNED BY. C. Leong .D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of the analysis only.

Data ✓ FA ____

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

Cream Minerals Inc. PROJECT BISMARK File # 97-6026

Box 10435, 1610 - 777 Dun, Vancouver BC V7Y 1K5 Submitted by: Linda Dandy

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Ag** gm/t	Au** gm/t
BI 97-1 9-12 CHIP	9	30	9	61	.9	72	14	404	2.75	4	<8	<2	3	298	1.4	3	<3	66	10.96	.061	6	94	1.25	135	.11	3	1.88	.08	.61	<2	<.3	<.01
BI 97-1 12-15 CHIP	6	28	7	74	.6	45	10	307	2.33	4	<8	<2	3	244	1.5	<3	<3	50	9.34	.062	7	56	1.50	131	.14	<3	1.64	.06	.59	2	<.3	<.01
T97-7 0-2	3	32	28	63	1.2	41	18	2293	3.84	46	<8	<2	10	79	.8	<3	<3	26	.91	.053	29	21	.54	73	.02	5	1.02	.01	.32	<2	.5	<.01
T97-7 2-4	15	169	12262	11502	41.7	31	10	20114	10.54	265	<8	<2	6	80	87.2	20	<3	20	.86	.025	7	10	.23	58	<.01	9	.32	.01	.17	2	36.9	.10
T97-7 4-6	29	163	9645	10036	27.4	41	12	45938	16.18	80	<8	<2	10	167	84.7	18	3	37	.58	.076	17	15	.19	148	<.01	11	.48	.01	.21	<2	24.4	.02
T97-7 6-8	3	44	94	174	1.1	38	16	423	3.81	35	<8	<2	11	32	2.3	<3	<3	24	.34	.051	21	24	.63	42	<.01	4	1.29	.01	.20	<2	.9	<.01
T97-7 8-10	8	42	91	154	1.1	50	17	998	4.14	36	<8	<2	12	33	2.6	4	<3	49	.33	.057	33	33	.71	71	.01	3	1.56	.01	.24	<2	1.8	.01
T97-8 7-8	1	196	9420	26214	58.3	28	8	17326	5.78	32	<8	<2	8	119	203.3	18	<3	45	2.36	.096	10	23	.79	66	.03	7	.89	.03	.26	3	53.1	.02
T97-8 8-10	12	199	10732	39422	75.0	17	6	36375	14.42	46	<8	<2	7	160	348.5	29	<3	17	2.40	.041	7	10	.52	52	.01	11	.39	.01	.18	<2	73.7	.06
T97-8 10-12	3	192	16745	46702	169.6	10	4	47337	19.16	80	<8	<2	5	39	392.2	69	<3	16	.73	.030	5	10	1.20	28	.02	12	.37	.01	.10	<2	195.3	.08
T97-8 12-14	12	1060	17588	99999	256.5	16	12	34944	18.98	3305	<8	<2	3	43	1313.7	118	<3	12	.48	.021	2	8	.75	20	.01	9	.23	.01	.07	<2	267.4	.72
T97-8 14-16	2	174	7622	22673	47.8	29	15	12803	8.17	464	<8	<2	4	43	174.0	19	<3	23	.39	.049	8	14	.72	45	.02	6	.81	.02	.24	2	52.4	.11
RE T97-8 14-16	3	180	7727	23844	50.8	30	15	13318	8.49	523	<8	<2	4	44	182.7	18	<3	24	.40	.049	9	15	.74	46	.02	6	.84	.02	.24	<2	49.8	.10
T97-8 16-18	4	12	429	1106	2.0	33	14	3175	4.80	53	<8	<2	7	82	9.5	3	<3	21	.72	.049	27	20	.79	41	.01	3	1.03	.01	.21	<2	1.0	<.01
STANDARD C3	25	66	35	153	5.6	37	12	745	3.36	53	22	2	17	30	22.2	17	19	82	.59	.083	20	172	.57	144	.10	20	1.90	.04	.16	18	-	-
STANDARD G-1	2	5	4	44	<.3	9	5	579	2.15	<2	<8	<2	3	67	<.2	<3	<3	43	.61	.073	8	90	.62	251	.15	3	1.01	.06	.48	<2	-	-

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: ROCK AG** & AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: OCT 10 1997 DATE REPORT MAILED: Oct 17/97 SIGNED BY. C. Leong .D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

Assay in progress Pb, Zn > 1%

All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of the analysis only.

Data 1 FA 1

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

ASSAY CERTIFICATE

Cream Minerals Inc. PROJECT BISMARK File # 97-6026R

Box 10435, 1610 - 777 Dun, Vancouver BC V7Y 1K5

SAMPLE#	PB %	Zn %
T97-7 2-4	1.43	1.17
T97-7 4-6	1.13	.99
T97-8 7-8	1.04	2.66
T97-8 8-10	1.37	4.35
T97-8 10-12	5.08	5.33
T97-8 12-14	7.75	15.69
RE T97-8 12-14	7.85	15.93
T97-8 14-16	.81	2.42
T97-8 16-18	.04	.12

.250 GM SAMPLE DIGESTED IN 30 ML AQUA - REGIA, DILUTE TO 100 ML, ANALYSIS BY ICP.
- SAMPLE TYPE: ROCK PULP
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: OCT 22 1997 DATE REPORT MAILED: Oct 28/97 SIGNED BY. .....D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of the analysis only.

Data A FA ____

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

Cream Minerals Inc. PROJECT BISMARK File # 97-6027

Box 10435, 1610 - 777 Dun, Vancouver BC V7Y 1K5 Submitted by: Linda Dandy

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
BH 0+25	3	39	25	795	1.2	83	16	1048	3.51	9	<8	<2	<2	47	11.6	3	<3	120	.51	.101	22	80	1.34	59	.12	3	3.70	.02	.10	<2	<1
BH 0+50	4	52	18	653	1.2	104	22	641	3.93	7	<8	<2	2	181	28.1	6	<3	105	1.82	.298	23	67	1.13	57	.06	3	3.86	.08	.09	<2	<1
BH 0+75	3	34	21	417	.5	55	13	396	3.61	3	<8	<2	2	49	8.0	5	<3	117	.46	.234	14	57	.67	72	.11	6	4.20	.02	.06	<2	<1
BH 1+00	4	52	20	131	.4	31	11	498	4.34	<2	<8	<2	<2	43	3.0	3	<3	87	.32	.121	13	42	.55	146	.13	3	2.60	.03	.27	<2	<1
BH 1+25	2	53	23	305	.7	53	31	2611	3.59	<2	<8	<2	<2	99	17.3	3	<3	88	1.26	.146	17	39	.52	276	.10	4	3.00	.03	.15	<2	<1
BH 1+50	4	30	14	187	.3	32	10	587	3.14	4	<8	<2	<2	55	5.3	3	<3	81	.60	.219	9	30	.31	161	.12	3	4.40	.02	.09	<2	<1
BH 1+62.5	2	33	19	221	.5	48	10	527	3.91	<2	<8	<2	<2	30	5.5	3	<3	137	.22	.125	17	63	.63	82	.12	4	3.32	.02	.18	<2	<1
BH 1+75	4	32	18	94	.4	25	6	268	3.48	2	<8	<2	<2	26	4.0	<3	<3	78	.14	.277	10	41	.27	174	.12	3	2.10	.02	.12	<2	<1
BH 1+87.5	3	40	29	390	.5	107	19	386	4.16	16	8	<2	4	68	5.8	5	<3	113	.44	.096	25	79	1.44	85	.16	4	3.47	.03	.17	<2	2
BH 2+00	7	29	29	123	.3	65	12	300	4.75	2	<8	<2	<2	54	3.5	<3	<3	135	.17	.071	19	89	.71	34	.15	<3	3.00	.01	.12	<2	<1
BH 2+12.5	7	35	38	144	.6	88	15	421	4.45	3	<8	<2	<2	70	3.2	3	<3	129	.35	.065	16	118	.94	77	.17	3	2.25	.01	.14	<2	<1
BH 2+25	5	33	20	114	.6	51	10	291	3.84	3	<8	<2	<2	90	4.8	3	<3	102	1.05	.110	18	70	.52	70	.13	<3	4.47	.01	.17	<2	3
BH 2+50	7	31	19	118	.3	43	10	376	3.60	3	<8	<2	<2	57	3.2	4	<3	98	.29	.099	16	50	.51	46	.09	3	3.09	.02	.17	<2	<1
BH 2+75	3	31	15	187	.4	48	11	647	3.17	3	<8	<2	<2	50	6.0	<3	<3	89	.26	.173	15	53	.61	97	.07	3	2.28	.02	.18	<2	<1
RE BH 2+75	2	30	17	188	.4	48	11	656	3.14	3	<8	<2	<2	51	6.1	4	<3	89	.26	.175	15	51	.61	99	.07	3	2.30	.02	.19	<2	<1
BH 3+00	3	32	24	228	.6	53	11	450	3.39	2	<8	<2	<2	72	8.3	3	<3	102	.92	.283	14	56	.57	161	.11	5	2.91	.02	.19	<2	<1
BH 3+25	3	24	20	144	.5	40	8	451	2.45	3	<8	<2	<2	51	3.1	<3	<3	83	.42	.332	11	55	.51	59	.05	4	1.94	.02	.12	<2	<1
STANDARD C3/AU-S	25	61	38	148	5.5	37	12	761	3.34	52	22	2	17	29	22.3	15	19	80	.57	.084	19	164	.57	141	.10	21	1.84	.04	.16	18	44
STANDARD G-1	2	4	5	37	<.3	7	4	526	2.07	<2	<8	<2	4	70	<.2	<3	<3	42	.65	.087	9	88	.55	214	.14	4	.94	.08	.44	3	<1

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL.
- SAMPLE TYPE: SOIL AU* - AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED.(10 GM)
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: OCT 10 1997 **DATE REPORT MAILED:** Oct 20/97 **SIGNED BY.....** D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of the analysis only.

Data ___ FA ___

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL/ASSAY CERTIFICATE

Cream Minerals Inc. PROJECT BISMARK File # 97-6185 Page 1

Box 10435, 1610 - 777 Dun, Vancouver BC V7Y 1K5 Submitted by: Linda Dandy

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Ag** gm/t	Au** gm/t
T97-9 0-2	25	90	93	1015	3.1	47	11	1540	3.12	19	<8	<2	6	7	13.2	<3	<3	58	.10	.066	17	27	.39	92	<.01	<3	.82	.01	.17	<2	3.0	.01
T97-9 2-4	24	92	43	599	3.4	43	9	1780	2.60	18	<8	<2	5	5	10.1	<3	<3	87	.11	.080	16	39	.63	82	<.01	<3	1.06	.01	.19	<2	4.4	.01
T97-9 4.5-4.7	24	81	2392	185	202.7	2	<1	77	2.23	159	<8	<2	<2	5	.9	5	<3	11	.01	.011	2	16	.01	31	<.01	<3	.12	<.01	.05	4	288.4	.06
T97-9 4-6	43	83	359	499	51.8	26	6	993	3.18	69	<8	<2	5	10	5.3	<3	<3	69	.04	.064	15	26	.24	67	<.01	<3	.68	.01	.20	<2	51.7	.03
T97-9 6-8	25	80	489	1525	7.6	57	12	3135	2.94	35	<8	<2	7	13	22.9	<3	<3	54	.17	.093	27	26	.58	60	<.01	<3	1.12	.01	.21	<2	7.8	.02
T97-9 8-10	19	71	73	1685	2.7	115	11	3370	2.72	25	<8	<2	7	13	29.3	<3	<3	24	.29	.132	35	23	.79	86	<.01	3	1.30	<.01	.22	<2	2.6	.01
T97-9 10-12	9	64	81	600	4.2	73	11	2068	2.57	43	<8	<2	7	11	10.5	3	<3	31	.20	.095	29	27	.68	51	<.01	4	1.16	<.01	.18	<2	4.6	.01
T97-9 12-14	18	38	162	301	3.8	37	8	1950	2.72	54	<8	<2	5	12	5.5	<3	<3	33	.17	.105	19	23	.35	62	<.01	<3	.96	<.01	.21	<2	3.6	.01
T97-9 14-16	18	88	322	769	3.4	78	11	2174	2.88	40	<8	<2	6	16	12.7	<3	<3	84	.33	.096	27	53	1.21	81	.02	<3	1.55	.01	.18	<2	3.7	.01
T97-9 16-18	29	69	51	301	2.1	57	10	363	3.07	4	<8	<2	5	13	5.0	3	<3	176	.38	.092	11	75	1.21	49	.10	<3	1.36	.03	.15	2	2.7	<.01
T97-9 18-20	8	42	21	190	.8	26	6	405	2.89	4	<8	<2	5	51	2.5	<3	<3	73	.59	.095	20	35	.84	52	.12	<3	1.42	.05	.21	2	.3	<.01
T97-9 20-22	5	41	11	165	.5	37	7	192	1.93	17	<8	<2	5	33	2.6	<3	<3	28	.63	.086	16	27	.51	32	.11	<3	.76	.05	.14	<2	.7	.01
T97-9 22-24	3	40	7	148	.5	35	6	115	1.34	2	<8	<2	5	31	4.6	<3	<3	17	.65	.108	15	18	.22	28	.10	<3	.42	.03	.04	2	<.3	.01
T97-9 24-26	30	62	12	412	.9	65	9	269	2.42	2	<8	<2	5	22	7.6	<3	<3	134	.45	.081	16	53	.62	39	.12	<3	.98	.04	.13	2	1.6	.01
RE T97-9 24-26	33	66	13	420	.9	66	10	280	2.50	5	<8	<2	6	23	7.9	<3	<3	139	.46	.083	17	52	.64	40	.13	<3	1.02	.04	.14	2	1.3	<.01
T97-9 26-28	25	61	6	452	.6	56	13	1263	2.77	3	<8	<2	7	26	12.8	<3	<3	221	.32	.077	17	69	.92	94	.12	4	1.26	.04	.31	<2	.3	<.01
T97-9 28-30	54	60	7	386	.5	48	10	498	3.02	5	<8	<2	9	30	9.4	<3	<3	154	.44	.103	23	64	.69	56	.14	<3	.89	.04	.34	<2	<.3	.01
T97-10 0-6	1	39	9	33	.5	41	7	327	1.31	2	<8	<2	5	50	1.2	<3	<3	23	.94	.157	20	38	.46	36	.08	<3	.69	.03	.06	2	<.3	.01
T97-10 12-14	2	37	9	90	1.8	45	6	904	1.77	6	<8	<2	5	44	1.3	<3	<3	27	1.05	.112	22	30	.96	39	.03	<3	1.24	.01	.10	<2	1.4	.01
T97-10 14-16	2	44	240	351	7.6	67	9	1712	2.22	15	<8	<2	6	134	3.1	3	<3	38	2.69	.153	27	64	1.51	42	<.01	<3	1.85	.01	.15	<2	8.0	.01
T97-10 16-18	1	40	92	263	4.8	43	8	1521	2.22	5	<8	<2	6	67	2.9	<3	<3	37	1.74	.101	25	50	1.54	44	.01	<3	1.85	.01	.15	<2	3.8	<.01
T97-10 18-20	3	33	153	403	2.3	71	12	2628	2.94	15	<8	<2	6	125	4.5	<3	<3	41	.85	.109	25	67	2.15	55	.02	<3	1.93	.01	.09	<2	2.2	<.01
T97-10 20-22	9	34	1373	5069	5.2	41	9	5747	3.60	14	<8	<2	7	289	48.3	<3	<3	29	2.90	.201	26	40	2.43	49	<.01	4	2.36	.01	.12	<2	4.4	<.01
T97-10 22-24	<1	37	43	1758	1.1	32	7	909	1.57	3	<8	<2	5	392	18.9	<3	<3	31	3.80	.121	17	31	1.03	39	.06	4	.88	.02	.05	<2	<.3	.01
T97-10 24-26	1	58	163	2138	1.1	38	6	1049	1.35	2	<8	<2	4	44	23.0	<3	<3	32	1.22	.150	20	32	.99	24	.07	<3	.87	.02	.05	<2	.9	.01
T97-10 26-28	1	46	302	1204	1.3	32	6	721	1.28	2	<8	<2	4	45	15.7	<3	<3	24	.81	.118	16	26	.63	26	.07	3	.73	.02	.05	<2	2.1	.02
T97-10 28-30	1	42	31	912	.7	40	7	537	1.74	2	<8	<2	5	30	12.9	<3	<3	33	.68	.118	17	35	.72	36	.08	<3	.94	.03	.06	<2	<.3	<.01
T97-10 30-32	1	28	22	898	.3	31	9	532	2.30	<2	<8	<2	7	34	13.2	<3	<3	41	.73	.093	19	41	1.06	33	.07	<3	1.43	.02	.09	<2	.4	<.01
T97-10 32-34	3	68	23	1387	1.0	56	11	539	2.71	2	<8	<2	6	87	19.1	<3	<3	45	1.25	.113	23	41	.80	52	.06	<3	1.47	.04	.12	<2	.8	.01
T97-10 34-36	1	56	17	504	.5	49	9	405	1.59	<2	<8	<2	6	92	7.9	<3	<3	28	1.04	.079	18	37	.72	38	.10	<3	1.48	.10	.07	<2	.4	.01
T97-10 36-38	2	84	10	422	.8	54	12	586	2.89	2	<8	<2	7	131	7.6	<3	<3	53	1.06	.083	19	52	1.01	83	.11	<3	2.50	.11	.15	5	.4	.01
T97-10 38-40	3	62	276	544	1.1	53	16	679	4.32	3	<8	<2	10	68	7.8	<3	<3	122	.55	.080	24	65	1.34	82	.12	<3	2.68	.05	.26	<2	1.0	.01
T97-10 40-42	6	55	21	237	.6	63	14	527	3.39	<2	<8	<2	7	104	2.3	<3	<3	88	1.12	.106	17	59	1.13	157	.15	<3	2.42	.10	.35	<2	<.3	.01
T97-10 42-44	5	40	11	199	.3	60	13	588	3.24	<2	<8	<2	8	90	1.4	<3	<3	65	.93	.071	20	52	1.15	275	.16	<3	2.75	.06	.55	<2	<.3	<.01
T97-10 44-46	3	33	16	177	<.3	50	15	527	4.12	3	<8	<2	9	27	1.3	<3	<3	65	.31	.057	23	56	1.35	193	.13	<3	2.50	.03	.52	<2	<.3	.02
STANDARD C3/R-1/AU-1	27	65	35	156	5.8	38	13	775	3.49	53	18	<2	19	31	23.4	16	21	85	.61	.087	20	180	.60	152	.11	20	1.96	.04	.17	17	103.6	3.41
STANDARD G-1	2	1	<3	44	<.3	9	5	616	2.28	<2	<8	<2	3	72	.2	<3	<3	45	.65	.078	8	100	.67	270	.16	<3	1.08	.07	.52	<2	.5	.01

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG.C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: ROCK AG** + AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: OCT 20 1997 **DATE REPORT MAILED:** Oct 31/97 **SIGNED BY.....** D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of the analysis only.

Data FA

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Ag** gm/t	Au** gm/t
T97-10 46-48	4	32	9	277	.3	38	12	537	3.35	160	<8	<2	6	34	1.6	<3	<3	59	.38	.050	21	46	.93	186	.14	<3	2.07	.05	.52	<2	.5	.02
T97-10 48-50	27	96	30	931	1.8	75	11	776	2.91	16	<8	<2	4	31	12.3	<3	<3	154	.37	.089	23	57	.85	98	.02	<3	1.44	.03	.19	<2	1.6	.01
T97-10 50-52	17	64	99	1114	4.6	111	9	1160	2.74	81	<8	<2	5	103	27.9	<3	<3	174	.49	.100	30	46	1.30	166	.05	<3	1.61	.02	.13	<2	4.8	.03
T97-10 52-54	8	47	98	738	1.4	90	12	1111	3.10	26	<8	<2	5	32	13.2	<3	<3	118	.60	.087	31	48	1.38	170	.15	<3	2.14	.04	.47	<2	1.0	.01
T97-10 54-56	19	40	22	324	.5	59	12	411	2.98	6	<8	<2	4	44	5.1	<3	<3	93	.76	.088	14	44	1.05	165	.18	<3	2.22	.10	.56	<2	<.3	<.01
RE T97-10 54-56	18	37	20	315	.4	58	12	400	2.92	4	<8	<2	4	43	5.1	<3	<3	91	.74	.087	13	41	1.03	160	.18	<3	2.19	.10	.54	<2	<.3	<.01
T97-10 56-58	43	58	23	465	1.0	85	9	344	2.40	10	<8	<2	4	18	11.8	<3	<3	117	.50	.123	13	40	.74	43	.08	<3	1.10	.05	.14	<2	1.6	<.01
T97-10 58-60	11	48	28	263	.7	58	12	382	2.93	4	<8	<2	3	51	3.5	<3	<3	39	.90	.093	12	36	.95	61	.06	<3	2.15	.10	.20	<2	.3	<.01
T97-10 60-62	6	33	20	404	.6	44	14	619	3.89	7	<8	<2	5	14	6.0	<3	<3	76	.27	.051	21	54	1.45	149	.14	<3	2.38	.04	.49	<2	<.3	<.01
T97-10 62-64	46	79	9	376	1.1	46	7	296	3.12	3	<8	<2	4	47	7.1	<3	<3	304	.60	.080	13	86	1.09	85	.12	<3	1.61	.06	.43	4	1.1	<.01
T97-11 0-5	19	119	48	683	10.4	79	11	578	3.37	45	<8	<2	4	19	7.4	3	<3	124	.38	.106	27	33	1.02	73	<.01	<3	1.30	<.01	.25	<2	10.5	<.01
T97-11 5-10	104	310	6648	5478	204.4	118	13	7314	5.90	174	<8	<2	3	31	34.5	67	<3	129	.44	.133	28	35	1.33	92	<.01	<3	1.36	<.01	.22	2	206.1	.04
T97-11 10-15	71	307	4565	7927	191.3	137	12	10051	6.49	319	<8	<2	3	86	50.6	66	<3	131	1.60	.260	22	38	1.26	85	<.01	<3	1.50	<.01	.19	<2	209.1	.04
T97-11 15-20	26	121	234	1399	5.0	126	20	2332	4.20	147	<8	<2	2	177	14.1	3	<3	136	2.87	.078	11	147	2.28	62	<.01	<3	1.76	<.01	.17	<2	5.1	<.01
T97-11 20-25	39	61	1066	3725	15.0	98	14	5797	6.21	158	<8	<2	4	572	47.4	<3	<3	181	8.98	.091	14	40	4.32	84	<.01	<3	2.74	<.01	.14	<2	13.8	.01
T97-11 25-30	33	817	10565	99999	201.7	90	13	7021	7.74	342	<8	<2	3	120	727.2	21	<3	103	1.77	.064	14	27	2.01	45	.01	<3	1.41	.01	.17	<2	198.8	.05
T97-11 30-35	37	93	858	3910	5.7	101	13	6579	5.88	300	<8	<2	3	149	45.5	<3	<3	100	2.34	.083	17	31	1.32	75	.01	<3	1.23	.01	.20	<2	4.8	.01
T97-11 35-40	29	603	26495	39694	115.1	55	11	4368	5.84	987	<8	<2	<2	254	347.7	140	<3	65	4.21	.049	3	17	1.37	35	<.01	<3	.82	<.01	.13	<2	907.5	.09
T97-11 40-45	40	89	3296	1410	9.0	71	14	1709	4.81	68	<8	<2	4	23	22.7	3	<3	55	.27	.076	17	21	1.29	73	<.01	<3	1.37	<.01	.23	<2	8.0	.01
T97-11 45-50	37	119	576	1490	4.8	75	14	1006	4.06	82	8	<2	4	245	19.0	<3	<3	82	3.76	.088	7	25	1.11	56	<.01	<3	1.20	<.01	.20	<2	4.5	<.01
T97-11 50-55	20	92	142	639	2.1	83	14	877	3.83	52	<8	<2	3	179	8.6	<3	<3	58	3.26	.069	8	29	1.24	60	.01	<3	1.52	<.01	.21	<2	1.6	<.01
T97-11 55-60	16	63	51	418	1.3	73	14	782	3.42	49	<8	<2	2	143	6.0	<3	<3	34	2.86	.068	7	21	1.26	54	<.01	<3	1.49	.01	.22	<2	.5	.01
T97-11 60-65	22	128	101	701	3.5	66	12	574	3.43	77	11	<2	4	47	13.3	<3	<3	41	1.40	.078	7	20	.64	71	<.01	<3	.90	<.01	.21	<2	3.4	<.01
T97-11 65-70	25	133	25	537	2.9	60	10	182	3.42	31	<8	<2	4	14	8.5	<3	<3	39	.43	.074	8	18	.59	77	<.01	<3	.99	<.01	.19	<2	3.3	<.01
T97-11 70-74	33	100	14	508	2.1	69	8	241	3.25	42	<8	<2	4	8	3.6	<3	<3	67	.22	.084	10	17	.81	85	<.01	<3	1.20	.01	.21	<2	1.3	<.01
T97-11 78-82	11	133	92	471	1.5	72	12	766	3.25	46	<8	<2	4	18	6.6	<3	<3	56	.30	.082	16	22	.92	92	<.01	<3	1.17	.01	.19	2	1.0	.03
B 2+75-2+85	38	95	6	592	1.7	56	8	273	3.73	3	<8	<2	3	23	13.6	<3	<3	215	.38	.073	5	62	1.08	107	.04	<3	1.70	.04	.29	<2	2.0	<.01
B 2+85-2+90	40	87	70	626	2.4	94	12	1697	3.88	62	<8	<2	4	105	9.1	<3	<3	150	3.19	.073	16	37	1.32	45	<.01	<3	1.56	<.01	.21	<2	2.0	<.01
GIBSON L ADIT	4	22	96	127	2.0	40	8	1262	3.59	75	<8	<2	6	51	2.1	<3	<3	20	1.56	.041	18	24	.42	55	<.01	<3	1.11	.01	.21	2	2.1	.22
STANDARD C3/R-1/AU-1	27	64	37	169	5.7	39	13	785	3.48	54	21	<2	17	30	23.5	15	21	85	.60	.086	21	179	.60	149	.11	16	1.93	.04	.16	19	104.4	3.09
STANDARD G-1	2	<1	5	44	<.3	9	5	602	2.24	<2	<8	<2	3	72	<.2	<3	<3	44	.64	.077	9	97	.65	262	.16	<3	1.06	.07	.51	<2	1.2	<.01

Sample type: ROCK. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Assay in progress for Cu, Pb, Zn > 200 ppm

All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of the analysis only.

Data FA

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

ASSAY CERTIFICATE

Cream Minerals Inc. PROJECT BISMARK File # 97-6185R Page 1

Box 10435, 1610 - 777 Dun, Vancouver BC V7Y 1K5 Submitted by: Linda Dandy

SAMPLE#	CU %	PB %	Zn %
T97-9 0-2	.010	.01	.12
T97-9 2-4	.010	<.01	.07
T97-9 4.5-4.7	.008	.25	.02
T97-9 4-6	.008	.04	.06
T97-9 6-8	.008	.05	.17
T97-9 8-10	.007	.01	.19
T97-9 10-12	.007	.01	.07
T97-9 12-14	.004	.02	.03
T97-9 14-16	.009	.03	.08
T97-9 16-18	.007	.01	.03
T97-9 18-20	.005	<.01	.02
T97-9 20-22	.004	<.01	.02
T97-9 22-24	.004	<.01	.02
T97-9 24-26	.007	<.01	.05
RE T97-9 24-26	.007	<.01	.05
T97-9 26-28	.006	<.01	.05
T97-9 28-30	.006	<.01	.04
T97-10 0-6	.004	<.01	<.01
T97-10 12-14	.004	<.01	.01
T97-10 14-16	.005	.02	.04
T97-10 16-18	.004	.01	.03
T97-10 18-20	.003	.01	.05
T97-10 20-22	.004	.14	.50
T97-10 22-24	.004	.01	.22
T97-10 24-26	.005	.02	.24
T97-10 26-28	.005	.03	.15
T97-10 28-30	.004	<.01	.11
T97-10 30-32	.003	<.01	.11
T97-10 32-34	.007	<.01	.16
T97-10 34-36	.006	<.01	.06
T97-10 36-38	.008	<.01	.05
T97-10 38-40	.007	.03	.06
T97-10 40-42	.005	<.01	.03
T97-10 42-44	.004	<.01	.02
T97-10 44-46	.003	<.01	.02
STANDARD R-1	.877	1.33	2.62

1.000 GM SAMPLE DIGESTED IN 30 ML AQUA - REGIA, DILUTE TO 100 ML, ANALYSIS BY ICP.
- SAMPLE TYPE: PULP
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: NOV 4 1997 **DATE REPORT MAILED:** Nov 7/97 **SIGNED BY** ..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of the analysis only.

Data FA

SAMPLE#	CU %	PB %	Zn %
T97-10 46-48	.004	<.01	.03
T97-10 48-50	.010	<.01	.11
T97-10 50-52	.006	.01	.13
T97-10 52-54	.005	.01	.08
T97-10 54-56	.004	<.01	.04
RE T97-10 54-56	.004	<.01	.04
T97-10 56-58	.006	<.01	.05
T97-10 58-60	.005	<.01	.03
T97-10 60-62	.004	<.01	.04
T97-10 62-64	.008	<.01	.04
T97-11 0-5	.012	<.01	.08
T97-11 5-10	.030	.62	.56
T97-11 10-15	.029	.42	.78
T97-11 15-20	.012	.02	.17
T97-11 20-25	.006	.10	.44
T97-11 25-30	.083	1.07	9.99
T97-11 30-35	.010	.08	.45
T97-11 35-40	.068	8.61	4.36
T97-11 40-45	.008	.30	.16
T97-11 45-50	.011	.05	.16
T97-11 50-55	.009	.01	.07
T97-11 55-60	.006	.01	.05
T97-11 60-65	.012	.01	.08
T97-11 65-70	.014	<.01	.06
T97-11 70-74	.010	<.01	.06
T97-11 78-82	.013	.01	.05
B 2+75-2+85	.010	<.01	.07
B 2+85-2+90	.008	.01	.07
GIBSON L ADIT	.003	.01	.01
STANDARD R-1	.851	1.25	2.33

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of the analysis only.

Data h FA ___

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

Cream Minerals Inc. PROJECT BISMARK File # 97-6202

Box 10435, 1610 - 777 Dun, Vancouver BC V7Y 1K5 Submitted by: Linda Dandy

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Ag** gm/t	Au** gm/t
B 0+60-0+62	11	51	286	1263	8.7	40	8	2381	2.63	194	<8	<2	5	426	9.2	3	<3	79	8.33	.083	11	35	1.72	39	.01	3	1.64	.01	.16	<2	8.4	.01
B 3+05-3+08	24	63	15	213	1.1	33	3	353	3.56	10	<8	<2	7	85	5.9	<3	<3	115	.53	.091	19	27	.84	186	.12	<3	2.41	.12	.60	<2	1.8	.01
B 3+08-3+10	60	124	1489	682	13.4	58	5	947	5.79	429	<8	<2	8	18	3.3	3	<3	107	.13	.100	19	30	.49	64	<.01	<3	1.19	.01	.21	2	13.3	.05
T97-12 A-B	109	167	1335	962	40.9	106	16	741	4.22	182	<8	<2	6	13	7.7	5	<3	105	.18	.079	22	34	.62	64	.01	4	1.28	<.01	.21	2	40.2	.02
T97-12 0-2	49	160	21	426	1.0	89	23	409	3.04	21	<8	<2	6	15	3.2	<3	<3	205	.15	.068	20	61	.85	74	.02	<3	1.85	<.01	.22	<2	1.7	.01
T97-12 2-4	41	125	249	652	3.8	85	14	655	3.27	59	<8	<2	6	14	13.3	<3	<3	95	.31	.103	23	35	1.01	62	.01	5	1.51	<.01	.21	<2	4.1	.01
T97-12 4-6	37	121	122	562	4.8	70	10	540	3.36	211	<8	<2	7	14	12.1	4	<3	117	.25	.075	21	40	1.14	59	<.01	3	1.44	<.01	.18	<2	5.0	.02
T97-12 6-8	53	142	14	528	2.8	66	11	323	4.22	36	<8	<2	8	12	8.4	3	<3	126	.24	.071	18	41	1.10	45	.01	<3	1.53	<.01	.15	6	3.1	.01
T97-12 8-10	36	156	64	318	2.1	62	12	289	3.68	23	<8	<2	8	10	6.7	3	<3	101	.24	.083	22	28	1.20	57	<.01	4	1.76	<.01	.16	2	2.7	.01
T97-12 10-12	24	102	109	326	1.6	65	13	476	3.63	46	<8	<2	8	15	5.6	<3	<3	118	.35	.107	22	39	1.49	52	.01	5	2.03	<.01	.19	<2	2.2	.01
T97-12 12-14	32	96	48	233	1.7	43	12	369	3.24	14	<8	<2	8	14	4.6	3	<3	175	.29	.080	20	59	1.16	39	<.01	<3	1.67	<.01	.20	<2	1.9	.01
T97-12 14-16	34	92	68	753	2.2	91	11	1005	3.01	36	<8	<2	7	72	8.6	3	5	191	2.17	.076	18	53	1.14	35	<.01	<3	1.85	<.01	.23	<2	2.8	.01
T97-12 16-18	13	45	354	1046	4.2	39	8	1903	2.86	57	<8	<2	7	176	6.1	<3	<3	70	5.67	.058	17	30	1.27	30	<.01	<3	1.58	.01	.19	<2	5.1	.01
RE T97-12 16-18	14	43	380	1074	4.4	41	9	1957	2.92	56	<8	<2	7	180	6.2	<3	<3	72	5.85	.058	17	31	1.30	26	<.01	<3	1.63	<.01	.19	<2	4.0	.01
T97-12 18-20	18	51	940	2307	9.4	26	7	1936	3.01	120	<8	<2	7	185	14.2	<3	<3	41	5.66	.061	19	22	1.54	20	<.01	<3	1.61	<.01	.20	<2	9.2	.01
T97-12 20-22	3	42	38	255	.9	48	11	783	2.97	19	<8	<2	7	134	1.5	<3	<3	91	3.58	.074	20	79	1.85	61	.10	4	2.07	.02	.17	<2	1.3	.01
T97-12 22-24	10	115	506	2098	3.5	158	15	2055	4.61	88	<8	<2	9	21	23.3	<3	<3	113	.42	.109	50	48	1.86	40	.03	3	2.48	.01	.24	<2	3.6	.01
T97-12 24-26	5	39	195	617	2.0	33	10	1150	2.72	25	<8	<2	7	100	4.7	<3	<3	94	3.10	.068	20	45	1.51	43	.10	<3	1.77	.02	.16	<2	1.5	.01
T97-12 26-28	4	47	20	128	.3	46	11	542	2.72	10	<8	<2	8	66	1.5	<3	<3	85	.76	.069	26	57	1.50	88	.19	<3	1.96	.05	.35	2	<.3	<.01
T97-12 28-30	2	44	8	73	<.3	33	10	401	2.18	4	<8	<2	6	169	.6	<3	<3	61	4.14	.088	18	38	.94	52	.12	<3	1.51	.05	.20	3	<.3	.01
T97-13 6-7	11	60	12	112	.9	53	12	339	2.90	15	<8	<2	6	24	2.1	<3	<3	108	.51	.091	15	83	1.72	47	.09	<3	1.73	.03	.57	2	.7	.01
T97-13 7-8	6	71	353	4601	5.0	114	20	5401	5.51	119	<8	<2	5	118	35.4	<3	<3	125	4.19	.139	12	173	3.33	63	.01	4	2.14	.01	.14	<2	6.0	.01
T97-13 8-10	4	64	23	687	1.1	56	14	1141	2.80	22	<8	<2	6	22	5.4	<3	<3	34	.44	.126	17	36	1.31	77	.02	<3	1.37	.01	.22	<2	1.2	<.01
T97-13 10-12	3	96	13	291	1.2	112	24	776	4.09	19	<8	<2	5	21	2.6	<3	<3	89	.48	.124	12	226	2.77	69	.04	<3	2.36	.01	.25	<2	.6	<.01
T97-13 12-14	6	71	114	313	1.4	84	13	715	3.06	18	<8	<2	6	17	3.1	<3	<3	51	.40	.119	20	62	1.79	47	.02	<3	1.67	.01	.19	<2	1.1	.01
T97-13 14-16	14	114	43	333	2.1	48	10	342	3.09	56	<8	<2	7	11	3.9	<3	<3	55	.19	.060	15	17	.33	79	.01	4	.66	<.01	.21	3	1.9	.01
T97-13 16-18	18	128	28	384	2.2	54	13	1046	4.37	31	<8	<2	7	16	7.4	<3	<3	225	.36	.120	16	25	1.03	74	.01	3	1.07	.01	.19	<2	2.1	<.01
T97-13 18-21	24	94	42	236	1.8	57	10	745	2.66	51	<8	<2	6	12	3.3	<3	3	68	.26	.087	14	16	.48	76	.01	<3	.81	<.01	.18	3	1.4	<.01
STANDARD C3/R-1/AU-1	25	65	36	153	5.2	35	12	730	3.37	49	12	<2	19	29	22.5	15	21	83	.58	.084	19	171	.58	146	.10	19	1.85	.03	.16	17	97.8	3.62
STANDARD G-1	2	4	4	46	<.3	9	6	578	2.16	<2	<8	<2	4	68	<.2	<3	<3	44	.62	.074	8	92	.64	245	.15	<3	1.02	.06	.49	<2	<.3	.01

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THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: ROCK AG** & AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: OCT 20 1997 **DATE REPORT MAILED:** Oct 31/97 **SIGNED BY.** .D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of the analysis only.

Data FA

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL/ASSAY CERTIFICATE

Cream Minerals Inc. PROJECT BISMARK File # 97-6253

Box 10435, 1610 - 777 Dun, Vancouver BC V7Y 1K5 Submitted by: Linda Dandy

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Ag** gm/t	Au** gm/t
T97-14 0-2	14	66	44	439	1.2	58	12	612	3.25	34	<8	<2	4	15	2.3	3	<3	41	.22	.049	19	24	.67	77	.01	<3	1.24	.01	.26	4	1.4	<.01
T97-14 2-4	19	58	145	1139	4.0	55	14	2238	4.42	65	<8	<2	5	24	6.0	<3	<3	73	.27	.062	20	27	.77	101	.01	<3	1.24	.01	.29	2	3.2	<.01
T97-14 4-6	21	88	515	1619	11.3	54	14	5927	5.34	113	<8	<2	6	163	16.5	<3	13	130	4.19	.069	15	39	1.71	94	.01	3	1.75	<.01	.23	18	10.2	.04
T97-14 6-7.6	5	54	52	337	1.1	48	12	748	2.82	30	<8	<2	6	201	2.5	<3	<3	56	4.80	.082	15	41	1.83	54	<.01	3	1.96	<.01	.24	<2	1.2	<.01
T97-14 8.5-9.7	7	54	38	294	1.3	46	10	709	2.44	19	<8	<2	5	112	2.9	<3	<3	68	3.66	.083	14	44	1.36	56	.01	4	1.69	.01	.33	<2	.8	<.01
T97-14 11.5-12.6	1	32	82	171	.9	23	6	671	1.73	28	<8	<2	4	145	.9	<3	<3	17	3.80	.065	24	17	.60	35	<.01	4	1.01	<.01	.23	<2	.9	<.01
RE T97-14 11.5-12.6	1	31	83	168	.9	23	6	657	1.71	27	<8	<2	4	141	1.0	<3	<3	16	3.74	.063	23	16	.59	35	<.01	7	.99	<.01	.24	<2	.5	<.01
T97-14 13.5-15.5	1	17	67	235	.5	13	3	1092	1.62	26	<8	<2	7	228	2.2	<3	<3	7	5.51	.053	36	7	.42	32	<.01	5	.89	<.01	.24	<2	<.3	<.01
T97-14 15.5-16.5	2	31	40	231	.7	36	6	703	2.07	32	<8	<2	6	35	2.2	<3	<3	21	.70	.079	43	25	.68	51	<.01	<3	1.09	<.01	.29	<2	.9	<.01
BH-1	2	6	4	7	<.3	4	1	69	.44	<2	<8	<2	<2	3	<.2	<3	<3	3	.03	.005	1	19	.03	4	<.01	3	.07	.01	.02	9	.6	<.01
SB-31	1	79	1617	3688	34.0	3	1	20785	5.95	348	<8	<2	15	1130	26.2	5	<3	52	19.55	.006	6	5	3.23	18	<.01	22	.46	<.01	.02	<2	36.4	.02
STANDARD C3/R-1/AU-1	26	66	35	164	5.8	35	13	770	3.46	55	22	3	18	31	23.3	14	25	86	.60	.086	18	171	.60	152	.10	16	1.87	.04	.16	22	101.2	3.80

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG.C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: ROCK AG** + AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: OCT 22 1997 DATE REPORT MAILED: Oct 30/97 SIGNED BY ..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of the analysis only.

Data FA

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

Cream Minerals Inc. PROJECT BISMARK File # 97-6254

Box 10435, 1610 - 777 Dun, Vancouver BC V7Y 1K5 Submitted by: Linda Dandy

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
BH-2	1	35	50	130	2.3	43	11	2333	4.66	24	<8	<2	3	566	5.3	<3	3	109	2.14	.222	24	21	.30	101	.05	<3	2.86	.42	.14	<2	4

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL.
- SAMPLE TYPE: SOIL AU* - AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED.(10 GM)

DATE RECEIVED: OCT 22 1997 **DATE REPORT MAILED:** Oct 30/97 **SIGNED BY** C. Leong .D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

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Data FA

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

Cream Minerals Inc. PROJECT BISMARK File # 97-6434

Box 10435, 1610 - 777 Dun, Vancouver BC V7Y 1K5 Submitted by: Linda Dandy

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
CP 0+00E	1	32	24	191	<.3	46	14	497	3.31	7	<8	<2	6	51	1.9	<3	<3	81	.62	.149	22	50	1.12	142	.14	<3	2.45	.04	.45	2	3
CP 0+05E	1	48	16	172	.8	46	12	546	2.90	8	<8	<2	7	85	3.7	<3	<3	84	.89	.124	25	58	1.37	102	.13	3	2.58	.05	.31	<2	1
CP 0+10E	1	31	18	99	<.3	33	10	310	2.09	6	<8	<2	7	32	1.3	<3	<3	54	.38	.119	26	36	.67	82	.08	<3	1.63	.03	.21	<2	1
CP 0+15E	2	36	15	93	<.3	38	13	360	2.38	13	<8	<2	7	49	1.9	<3	<3	62	.43	.096	21	38	.90	101	.09	<3	1.83	.04	.31	2	2
CP 0+20E	1	34	17	97	<.3	36	13	524	2.36	7	<8	<2	6	527	3.2	<3	<3	79	1.94	.119	13	83	.76	63	.07	<3	3.70	.49	.28	<2	2
CP 0+25E	1	32	19	117	<.3	35	11	518	2.25	9	<8	<2	5	113	2.9	<3	<3	64	.88	.139	21	34	.69	78	.07	<3	1.39	.06	.23	<2	1
CP 0+30E	1	30	23	100	<.3	32	10	344	2.42	8	<8	<2	6	107	2.0	<3	<3	53	.96	.110	27	36	.65	56	.08	3	1.36	.04	.25	<2	<1
CP 0+35E	<1	14	14	48	.3	15	5	182	1.16	5	<8	<2	3	1224	.9	<3	<3	23	16.92	.074	14	19	.35	33	.04	<3	.67	.02	.10	<2	<1
CP 0+40E	5	44	17	251	.5	52	21	973	5.05	6	<8	<2	5	193	8.7	<3	<3	147	1.32	.194	29	37	1.98	369	.10	<3	3.21	.13	.77	2	3
CP 0+45E	2	121	13	219	.4	63	23	688	4.97	10	<8	<2	5	113	3.4	<3	<3	143	.93	.185	23	67	1.36	123	.09	<3	2.27	.08	.48	<2	2
CP 0+50E	1	158	10	136	.4	42	18	1178	5.69	5	<8	<2	3	109	2.7	<3	<3	98	2.00	.183	24	48	1.34	121	.12	<3	1.87	.02	.66	<2	1
CP 0+55E	2	61	17	127	<.3	48	11	1017	3.16	6	<8	<2	4	75	4.5	<3	<3	108	.84	.207	24	54	1.02	166	.10	<3	1.54	.03	.52	<2	<1
CP 0+60E	<1	45	13	130	<.3	25	10	626	3.01	6	<8	<2	4	53	1.6	<3	<3	83	.57	.133	19	25	.79	70	.10	<3	1.45	.02	.43	<2	23
CP 0+65E	17	72	15	260	.4	71	27	553	4.58	12	<8	<2	7	116	4.7	<3	<3	183	.66	.089	17	68	1.31	241	.10	<3	2.46	.09	.58	<2	5
CP 0+70E	3	43	15	236	<.3	49	16	726	3.51	7	<8	<2	5	151	8.1	<3	<3	107	1.00	.164	16	40	1.44	308	.08	<3	2.22	.12	.69	<2	4
CP 0+75E	1	25	25	122	<.3	28	9	384	1.85	9	<8	<2	6	81	1.2	<3	<3	48	.81	.100	21	27	.55	62	.07	<3	1.15	.04	.20	<2	2
CP 0+80E	1	56	42	190	.6	28	16	1322	5.23	8	<8	<2	2	77	5.9	<3	<3	94	.79	.171	19	17	1.11	72	.11	<3	1.49	.02	.51	<2	1
CP 0+85E	1	52	25	123	.5	20	13	678	4.35	10	<8	<2	3	71	4.6	<3	<3	86	.70	.148	24	22	.93	74	.09	<3	1.41	.02	.37	<2	1
RE CP 0+80E	1	58	48	195	.8	29	16	1358	5.35	7	<8	<2	2	77	6.1	<3	<3	96	.80	.173	19	18	1.15	74	.11	<3	1.53	.02	.53	<2	2
CP 0+90E	1	32	22	130	.8	24	11	745	3.57	7	<8	<2	4	69	4.5	<3	<3	71	.70	.151	25	22	.85	86	.09	<3	1.41	.02	.46	<2	1
CP 0+95E	<1	31	24	128	<.3	29	11	547	2.72	7	<8	<2	6	49	1.7	<3	<3	62	.51	.115	28	28	.75	62	.09	<3	1.33	.02	.39	<2	2
CP 1+00E	<1	17	14	82	<.3	16	6	234	1.19	5	<8	<2	5	46	1.0	<3	<3	30	.46	.086	21	20	.31	36	.05	<3	.67	.03	.11	<2	1
STANDARD C3/AU-S	26	63	37	167	5.6	37	13	767	3.44	58	22	2	18	29	23.6	16	21	82	.58	.085	21	169	.60	143	.10	21	1.91	.04	.16	19	48
STANDARD G-1	2	2	<3	42	<.3	8	5	556	2.11	<2	<8	<2	4	75	<.2	<3	<3	42	.68	.096	10	70	.62	232	.13	4	1.00	.09	.51	3	<1

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- SAMPLE TYPE: SOIL AU* - AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED.(10 GM)
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GEOCHEMICAL/ASSAY CERTIFICATE

Cream Minerals Inc. PROJECT BISMARK File # 97-6433

Box 10435, 1610 - 777 Dun, Vancouver BC V7Y 1K5 Submitted by: Linda Dandy

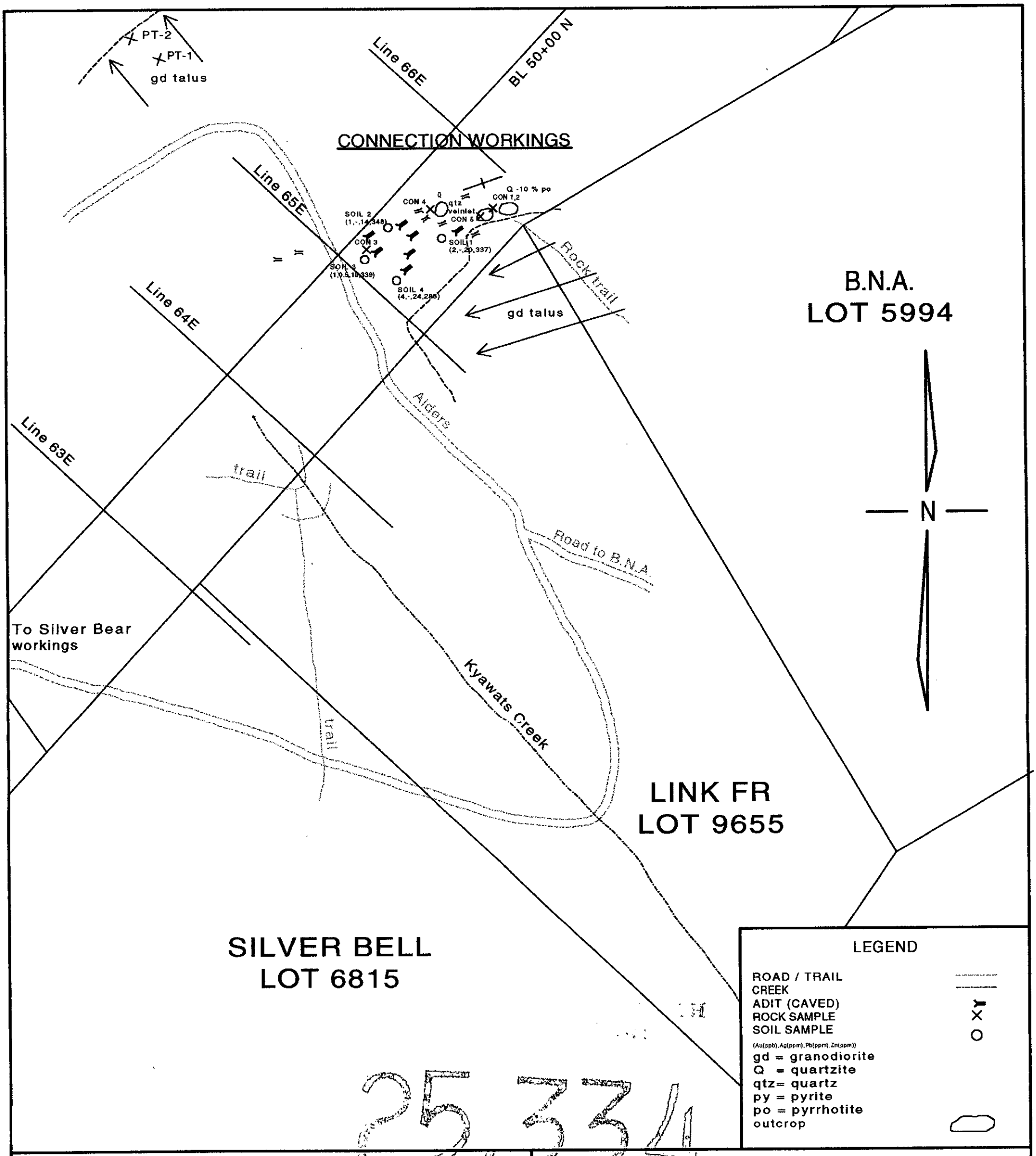
SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Ag** gm/t	Au** gm/t
CPR 0+39.5E-0+41.5E	2	30	12	166	.3	38	10	399	3.29	<2	<8	<2	5	903	6.3	<3	<3	156	10.04	.113	16	73	1.44	297	.10	<3	4.09	.42	.66	4	.5	<.01
CPR 0+41.5-0+43E	4	110	8	93	.4	40	18	673	4.27	<2	<8	<2	4	147	2.8	<3	<3	146	2.65	.250	19	48	.89	36	.08	<3	2.24	.18	.23	3	.3	<.01
CPR 0+44-0+46E	6	965	8	105	1.5	56	67	436	16.59	<2	<8	<2	3	53	1.4	<3	<3	110	.73	.228	28	77	1.34	20	.13	<3	2.21	.03	.52	2	.8	<.01
CPR 0+46-0+48E	6	2526	21	129	4.3	64	73	469	14.60	<2	<8	<2	2	46	2.2	<3	<3	91	.68	.216	19	58	1.21	17	.10	<3	1.88	.03	.23	2	3.0	<.01
CPR 0+50-0+52E	<1	32	10	99	<.3	10	8	574	3.22	<2	<8	<2	2	48	.5	<3	<3	66	.49	.098	17	16	.76	96	.18	<3	1.38	.07	.86	4	<.3	<.01
RE CPR 0+50-0+52E	1	31	7	95	<.3	10	7	557	3.13	3	<8	<2	2	47	.7	<3	<3	64	.47	.096	17	16	.73	95	.18	<3	1.33	.07	.85	4	<.3	<.01
CPR 0+52-0+54E	3	219	8	121	.4	34	15	587	5.24	<2	<8	<2	4	47	.9	<3	<3	110	.75	.162	25	56	1.19	76	.15	<3	1.62	.07	.92	2	<.3	<.01
CPR 0+54-0+56E	1	37	7	59	<.3	12	6	475	2.79	2	<8	<2	2	92	.9	<3	<3	69	.97	.120	18	15	.75	117	.12	<3	1.74	.14	.45	2	<.3	<.01
SB-32	23	136	29	36	.8	104	217	1407	24.31	47	<8	<2	3	14	<.2	<3	7	59	.11	.054	12	95	1.43	11	.02	<3	1.93	.01	.07	3	<.3	<.01
STANDARD C3/R-1/AU-1	24	64	35	165	5.5	36	12	756	3.41	55	20	2	17	29	22.6	15	19	80	.58	.083	20	169	.59	140	.09	17	1.89	.04	.15	16	101.9	3.53

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG.C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: ROCK AG** + AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: OCT 30 1997 **DATE REPORT MAILED:** Nov 14/97 **SIGNED BY.** ..D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of the analysis only.

Data FA



25331

CREAM MINERALS LTD.

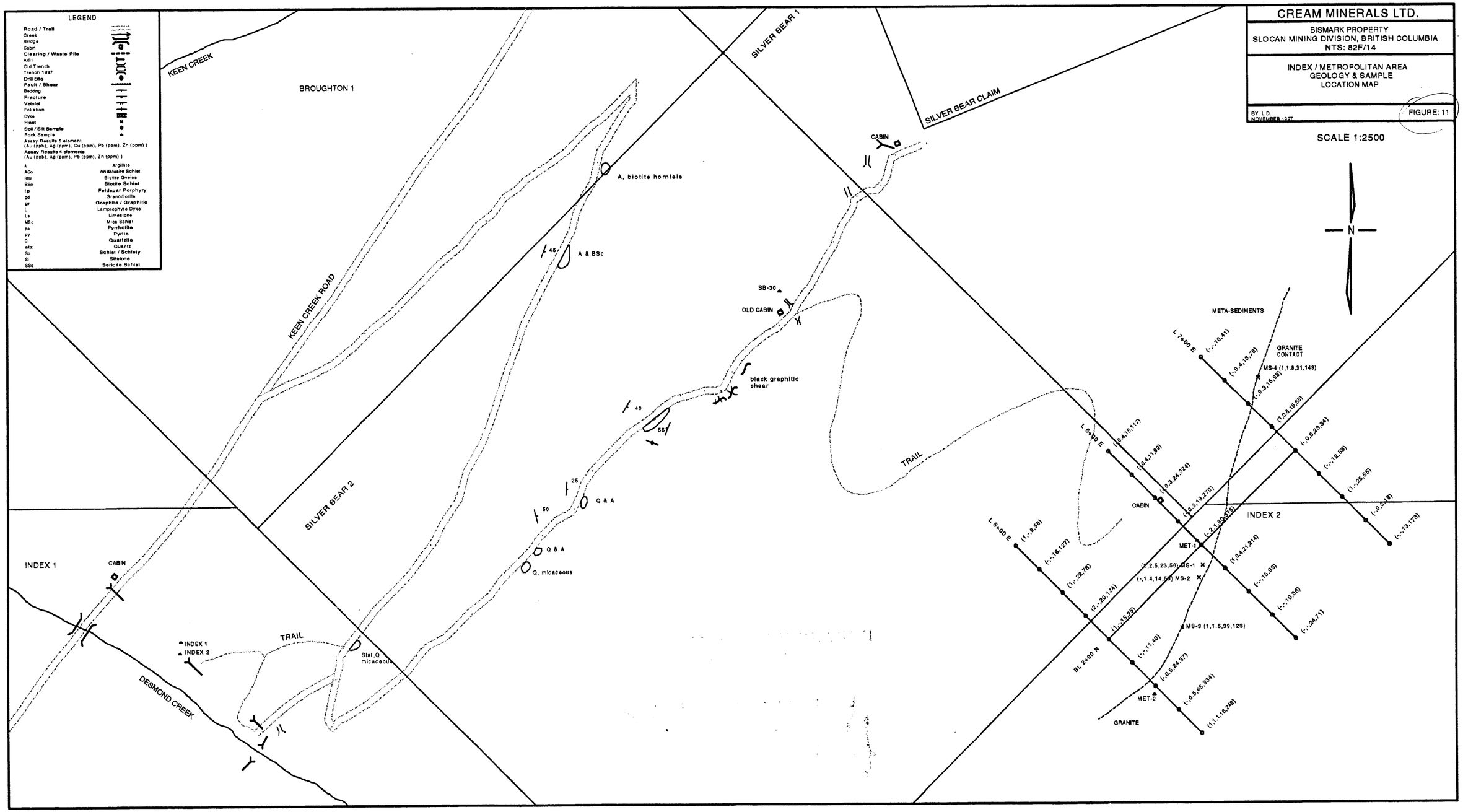
BISMARK PROPERTY
SLOCAN MINING DIVISION, BRITISH COLUMBIA
NTS: 82F/14

Scale 1:2500

CONNECTION AREA
SAMPLE
LOCATION MAP

BY: L.D.
NOVEMBER 1997

FIGURE: 9


LEGEND
Road / Trail
Creek
Bridge
Cabin
Clearing / Waste Pile
Adit
Old Trench
Trench 1997
Drill Site
Fault / Shear
Bedding
Fracture
Veinlet
Foliation
Dyke
Float
Soil / Silt Sample
Rock Sample
Assay Results 5 element
(Au (ppb), Ag (ppm), Cu (ppm), Pb (ppm), Zn (ppm))
Assay Results 4 elements
(Au (ppb), Ag (ppm), Pb (ppm), Zn (ppm))
A Argillite
ASc Andalusite Schist
BGn Biotite Gneiss
BSc Biotite Schist
fp Feldspar Porphyry
gd Granodiorite
gr Graphite / Graphitic
L Lamprophyre Dyke
Ls Limestone
MSc Mica Schist
po Pyrrhotite
py Pyrite
Q Quartzite
qtz Quartz
Sc Schist / Schisty
Si Siltstone
SSc Sericite Schist
KEEN CREEK
BROUGHTON 1
SILVER BEAR 1
SILVER BEAR CLAIM
CABIN
A, biotite hornfels
KEEN CREEK ROAD
45
A & BSc
SB-30
OLD CABIN
black graphitic shear
40
55
25
50
Q & A
Q & A
Q, micaceous
TRAIL
SILVER BEAR 2
INDEX 1
CABIN
INDEX 1
INDEX 2
TRAIL
Slst,Q micaceous
DESMOND CREEK
META-SEDIMENTS
L 7+00 E
(-,-,10,41)
(-,0,4,15,76)
GRANITE CONTACT
MS-4 (1,1.8,31,149)
(-,0.8,15,98)
(1,0.8,16,66)
(-,0.6,23,34)
(-,-,12,55)
(1,-,25,55)
(-,0.3,19)
(-,-,13,173)
L 6+00 E
(0,4,15,117)
(0,4,11,99)
(0,3,24,324)
(0,3,19,270)
CABIN
INDEX 2
L 5+00 E
(1,-,9,56)
(-,-,16,127)
(1,-,22,76)
(2,-,20,124)
(1,-,15,93)
MET-1
(2,2.5,23,56) MS-1
(-,1.4,14,56) MS-2
(1,0.4,21,214)
(-,-,15,93)
(-,-,10,38)
(-,-,24,71)
MS-3 (1,1.5,39,123)
BL 2+00 N
(-,-,11,40)
(-,0.5,24,37)
MET-2
(-,0.5,65,334)
(1,1.1,16,242)
GRANITE
N
SCALE 1:2500
CREAM MINERALS LTD.
BISMARK PROPERTY
SLOCAN MINING DIVISION, BRITISH COLUMBIA
NTS: 82F/14
INDEX / METROPOLITAN AREA
GEOLOGY & SAMPLE
LOCATION MAP
BY: L.D.
NOVEMBER 1997
FIGURE: 11

MANHATTAN CLAIM

PROVINCE CLAIM

CORK CLAIM

DUBLIN CLAIM

PROVINCE 1 CLAIM

KEEN CREEK

KEEN CREEK ROAD

NEW LOGGING ROAD

DUBLIN ROAD

WATER LINE

TRAIL

BEN HUR CREEK

WASTE DUMP

CORK 2

CORK 3

Ore Pile

STOPE

PRO-1

PRO-2

PRO-3

ORE PILE

DUMP

T97-7

T97-8

Qtz veinlets No. 3

DUB-1
DUB-2
DUB-3
DUB-4
DUB-5
DUB-6
DUB-7

Sc
Sidente/sphalerite vein

syncline

* See Insert

py,cpy on shear

qtz veinlets

ROCK SAMPLES
CPR 0+39.5 - 0+41.5E
CPR 0+41.4 - 0+43E
CPR 0+44 - 0+46E
CPR 0+46 - 0+48E
CPR 0+50 - 0+52E
CPR 0+52 - 0+54E
CPR 0+54 - 0+56E

DUBLIN SOIL GRID

L 23E
L 22E
L 21E
L 20E

(2,3.1,80,697)
(123,3.2,94,972)
(1,1.2,18,93)
(2,1.5,100,549)
(-,1.1,30,145)
(-,1.1,57,128)
(-,0.6,11,132)
(1,-,22,237)
(-,-,15,96)
(-,-,11,96)
(-,-,15,60)
(-,1.2,15,82)
(-,-,15,128)
(-,-,12,130)
(-,-,11,133)
(-,0.4,13,73)
(-,0.5,12,80)
(-,1.8,57,300)
(5,1.9,154,800)
(1,0.9,24,169)
(1,0.4,15,127)
(-,0.4,13,121)
(-,0.8,11,201)
(-,0.7,14,163)
(-,-,12,199)
(1,0.3,20,153)
(-,-,36,356)
(-,0.5,19,456)
(-,0.6,19,590)
(-,0.6,18,472)
(-,0.3,9,245)
(1,-,10,262)
(-,0.7,25,226)
(1,0.5,26,236)

CP 0+00E (3,-,24,191)
CP 0+05E (1,0.8,16,172)
CP 0+10E (1,-,18,99)
CP 0+15E (2,-,15,93)
CP 0+20E (2,-,17,97)
CP 0+25E (1,-,19,117)
CP 0+30E (-,-,23,100)
CP 0+35E (-,0.3,14,48)
CP 0+40E (3,0.5,17,251)
CP 0+45E (2,0.4,13,219)
CP 0+50E (1,0.4,10,136)
CP 0+55E (-,-,17,127)
CP 0+60E (23,-,13,130)
CP 0+65E (5,0.4,15,260)
CP 0+70E (4,-,15,236)
CP 0+75E (2,-,25,122)
CP 0+80E (1,0.6,42,190)
CP 0+85E (1,0.5,25,123)
CP 0+90E (1,0.8,22,130)
CP 0+95E (2,-,24,128)
CP 1+00E (1,-,14,82)

LEGEND

- Road / Trail
- Creek
- Bridge
- Cabin
- Clearing / Waste Pile
- Adit
- Old Trench
- Trench 1997
- Drill Site
- Fault / Shear
- Bedding
- Fracture
- Veinlet
- Foliation
- Dyke
- Float
- Soil / Silt Sample
- Rock Sample

A	Argillite
ASc	Andalusite Schist
BGn	Biotite Gneiss
BSc	Biotite Schist
fp	Feldspar Porphyry
gd	Granodiorite
gr	Graphite / Graphitic
L	Lamprophyie Dyke
Ls	Limestone
MSc	Mica Schist
po	Pyrrhatite
py	Pyrite
Q	Quartzite
atz	Quartz
Sc	Schist / Schisty
Sl	Siltstone
SSc	Sericite Schist

25 334

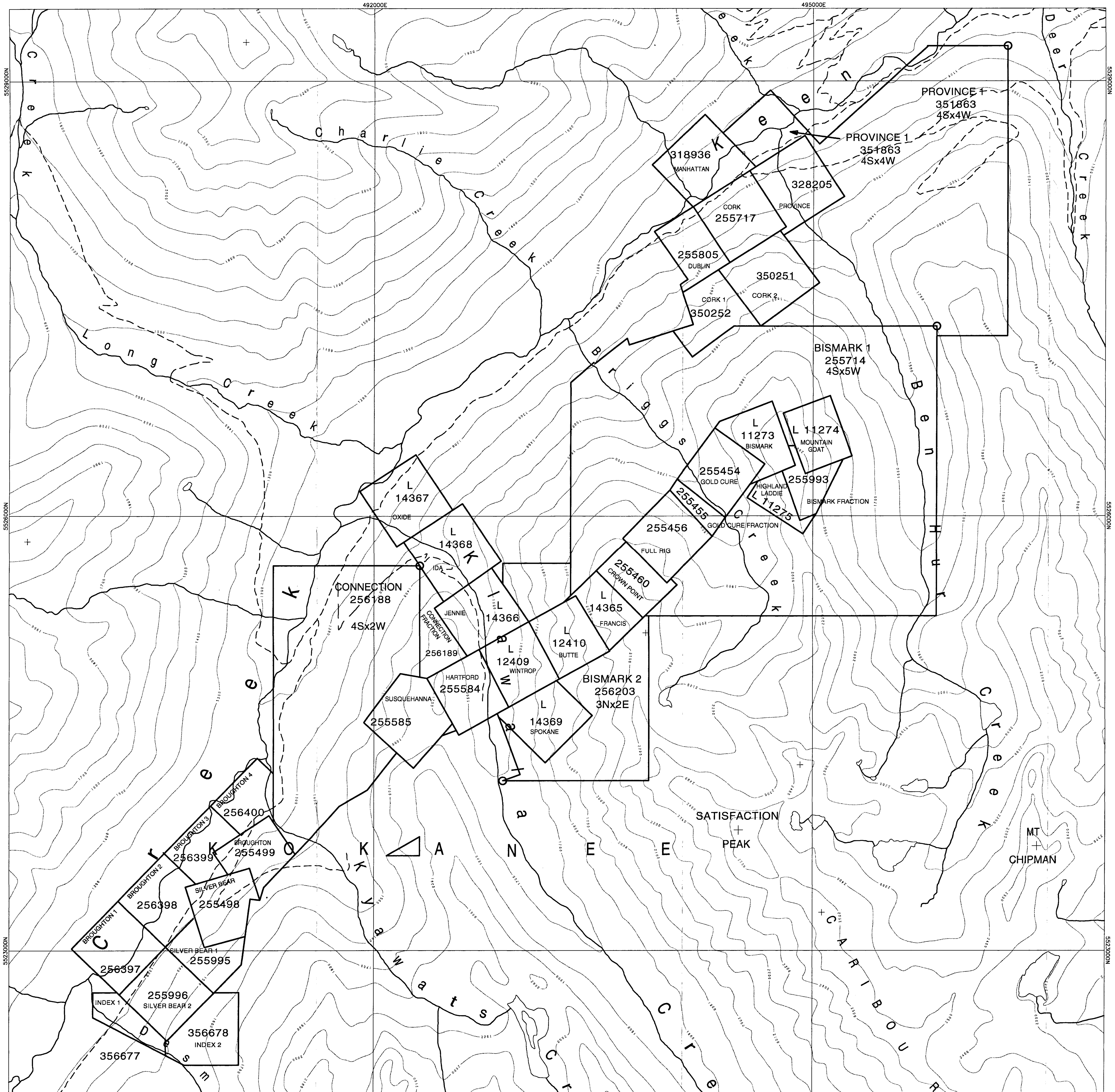
CREAM MINERALS LTD.

BISMARK PROPERTY
SLOCAN MINING DIVISION, BRITISH COLUMBIA
NTS: 82F/14

CORK / PROVINCE / DUBLIN AREA
GEOLOGY, GEOCHEMISTRY & TRENCH
LOCATION MAP

BY: L.D.
NOVEMBER 1997

FIGURE: 4



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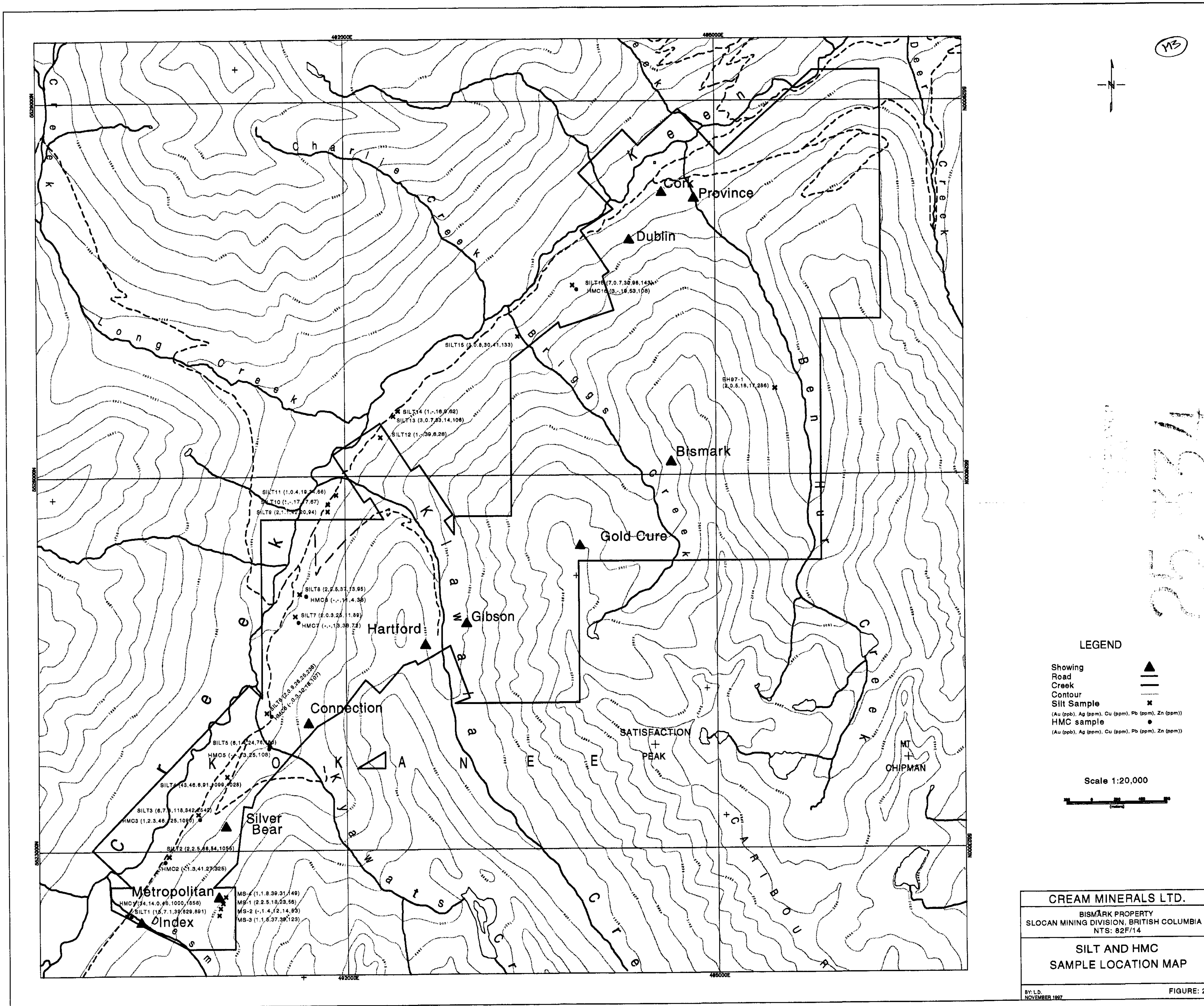
BISMARK PROPERTY
SLOCAN MINING DIVISION, BRITISH COLUMBIA
NTS: 82F/14

CLAIM LOCATION MAP

BY: L.D.
NOVEMBER 1997

FIGURE: 2



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BISMARK PROPERTY
SLOCAN MINING DIVISION, BRITISH COLUMBIA
NTS: 82F/14

SILT AND HMC SAMPLE LOCATION MAP

BY: L.D.
NOVEMBER 1997

FIGURE: 23

PROVINCE 1 CLAIM

BISMARK 1 CLAIM

PROVINCE 1 CLAIM

SOIL SAMPLES

LEGEND

Road / Trail	
Creek	
Bridge	
Cabin	
Clearing / Waste Pile	
Adit	
Old Trench	
Trench 1997	
Drill Site	
Fault / Shear	
Bedding	
Fracture	
Veinlet	
Foliation	
Dyke	
Float	×
Soil / Silt Sample	o
Rock Sample	▵

Assay Results 5 element
(Au (ppb), Ag (ppm), Cu (ppm), Pb (ppm), Zn (ppm))

Assay Results 4 elements
(Au (ppb), Ag (ppm), Pb (ppm), Zn (ppm))

A	Argillite
ASc	Andalusite Schist
BGn	Biotite Gneiss
BSc	Biotite Schist
fp	Feldspar Porphyry
gd	Granodiorite
gr	Graphite / Graphitic
L	Lamprophyre Dyke
Ls	Limestone
MSc	Mica Schist
po	Pyrrhotite
py	Pyrite
Q	Quartzite
atz	Quartz
Sc	Schist / Schisty
Sl	Siltstone
SSc	Sericite Schist

SCALE 1:2000

25,334

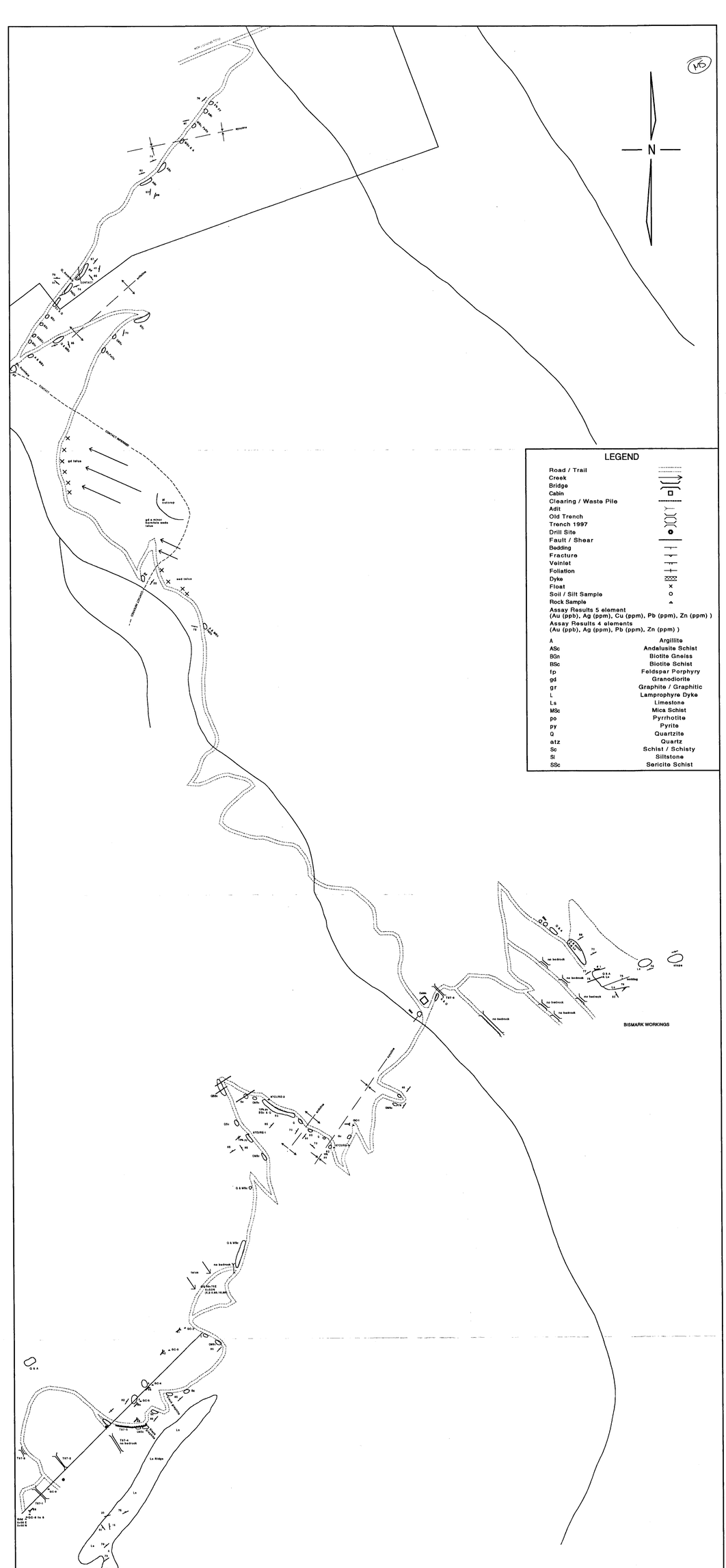
CREAM MINERALS LTD.

BISMARK PROPERTY
SLOCAN MINING DIVISION, BRITISH COLUMBIA
NTS: 82F/14

UPPER BEN HUR CREEK AREA
GEOLOGY & SAMPLE
LOCATION MAP

BY: L.D.
NOVEMBER 1997

FIGURE: 5



CREAM MINERALS LTD.

BISMARK PROPERTY
SLOCAN MINING DIVISION, BRITISH COLUMBIA
NTS: 82F/14

BISMARK / GOLD CURE AREA
GEOLOGY, SAMPLE & TRENCH
LOCATION MAP

BY: L.D.
NOVEMBER 1997

FIGURE: 6

25,334

LEGEND

Road / Trail	
Creek	
Bridge	
Cabin	
Clearing / Waste Pile	
Adit	
Old Trench	
Trench 1997	
Drill Site	
Fault / Shear	
Bedding	
Fracture	
Veinlet	
Foliation	
Dyke	
Float	×
Soil / Silt Sample	o
Rock Sample	▵

Assay Results 5 element
(Au (ppb), Ag (ppm), Cu (ppm), Pb (ppm), Zn (ppm))
Assay Results 4 elements
(Au (ppb), Ag (ppm), Pb (ppm), Zn (ppm))

A	Argillite
ASc	Andalusite Schist
BGn	Biotite Gneiss
BSc	Biotite Schist
fp	Feldspar Porphyry
gd	Granodiorite
gr	Graphite / Graphitic
L	Lamprophyre Dyke
Ls	Limestone
MSc	Mica Schist
po	Pyrrhotite
py	Pyrite
Q	Quartzite
atz	Quartz
Sc	Schist / Schisty
Sl	Siltstone
SSc	Sericite Schist

M6

gd
shear with FeOx & qtz-cb gouge, graphite
GIBSON L ADIT
55
BSc, horntels
BISMARK 2 CLAIM
BSc
80
qtz-cb br-xx
MSc
No. 9
No. 8
JENNIE CLAIM
Outcrop Ridge A & MSc
75
Q & MSc TALUS SLOPE
CONNECTION FR. CLAIM
L 50+00N
L 79+00E
OLD MINING ROAD
KLAWALA CREEK
WASTE DUMP
WIN #1
No. 1
WIN #2
No. 2
NO BEDROCK
WIN #4
No. 4
'A' VEIN
'B' VEIN
NO BEDROCK
CABIN
L 48+00N
CUT LINE
VERY OLD MINING ROAD / TRAIL
Q & A FeOx, py
UNNAMED ADIT
HART-1
MARSH ADIT
HARTFORD CLAIM
WINTROP CLAIM
SPOKANE CLAIM
(1,1,8,51,82,313)
(3,8,2,57,506,530)
(-,0,7,33,62,264)
(1,0,3,37,20,284)
85
A & Q & Sc
(122,203,4,865,22435,4567)
88
A
A
(3,5,3,44,287,604)
(6,5,27,580,905)
(5,28,6,46,2136,1918)
(-,0,7,30,17,246)
(-,1,2,53,16,330)
(-,0,7,31,53,185)
(-,-,30,19,324)
(-,-,7,14,87)
82+00E
L 81+00E
(-,-,42,47,263)
(-,0,3,15,16,245)
(-,-,15,14,111)
(-,0,3,24,50,275)
(-,-,26,107,332)
(-,0.6,27,25,148)
(-,1,6,37,118,1154)
(31,97,5,231,8051,3371)
(1,0,9,22,81,506)
(2,17,2,45,704,505)
(-,1,3,20,103,367)
(-,1,3,17,80,312)
(-,2,3,46,136,388)
Limy A & Q py,po
WIN #3-1
No. 3
WIN #3
WIN #5
WIN #6
No. 6
qtz float
WIN X
No. 5
T97-9
T97-10
60
BUTTE CLAIM
BISMARK 2 CLAIM

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT
25,334

SCALE 1:1000

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BISMARK PROPERTY
SLOCAN MINING DIVISION, BRITISH COLUMBIA
NTS: 82F/14

GIBSON / HARTFORD AREA
SAMPLE & TRENCH
LOCATION MAP

BY: L.D.
NOVEMBER 1997

FIGURE: 8

Scale 1:2000

CREAM MINERALS LTD.

BISMARK PROPERTY
SLOCAN MINING DIVISION, BRITISH COLUMBIA
NTS: 82F/14

SILVER BEAR AREA
GEOLOGY, ROCK SAMPLE & TRENCH
LOCATION MAP

BY: L.D.
NOVEMBER 1997

FIGURE: 10

25,334