BRITISH COLUMBIA

PROSPECTORS ASSISTANCE PROGRAM

MINISTRY OF ENERGY AND MINES

GEOLOGICAL SURVEY BRANCH

PROGRAM YEAR:	1999/2000
REPORT #:	PAP 99-47
NAME:	EDWARD FREY

BRITISH COLUMBIA
PROSPECTORS ASSISTANCE PROGRAM
PROSPECTING REPORT FORM (continued)

B. TECHNICAL REPORT

- One technical report to be completed for each project area.
- **Refer to Program Requirements/Regulations 15 to 17, page 6.**
- If work was performed on claims a copy of the applicable assessment report may be submitted in lieu of the supporting data (see section 16) required with this TECHNICAL REPORT.

Name EDWARD D. FREY Reference Number 99/2000 P136

LOCATION/COMMODITIES

Project (TARGET) Area (as listed in Part A) CHINOOK MOUNTAIN MINFILE No. if applicable N/A

Location of Project Area NTS 92 P/8 ~Lat 51° 17' 30" N Long 120° 05' W

Description of Location and Access VICINITY OF CHINOOK MOUNTAIN, ~15 KM NNE FROM BARRIERE VIA GENIER LAKE AND LEONIE CREEK FOREST ACCESS ROADS

Main Commodities Searched For GOLD AND COPPER

Known Mineral Occurrences in Project Area "LOWER" AND "UPPER" SHOWINGS OF Cu-Au GOSSANS & "GOLD ZONE" Cu & Au (SEE MAPS CM-2 & CM-3). ANOMALOUS Au &/OR Cu AT FIVE BCGS TILL SAMPLE SITES

WORK PERFORMED

1. Conventional Prospecting (area) 613 HECTARES
2. Geological Mapping (hectares/scale) 279 HECTARES / 1:5,000 (IN PART @ ~1:2,500)
3. Geochemical (type and no. of samples) 105 ROCK + 11 TILL / 30g Au + 28 ELEMENT ICP EACH
4. Geophysical (type and line km) / (ALSO 9 ROCK (OF 91) ASSAYED)
5. Physical Work (type and amount) /
6. Drilling (no. holes, size, depth in m, total m) /
7. Other (specify) /

SIGNIFICANT RESULTS

Commodities COPPER Claim Name N/A (MAP CM-1)

Location (show on map) Lat. ~51°16'07" N Long ~120°06'30" W Elevation ~1160 m

Best assay/sample type 5113 ppm Cu / FLOAT: SMALL, ANGULAR BOULDER ~30 x 20 x 20 cm SAMPLE 99RE29

Description of mineralization, host rocks, anomalies MASSIVE SULPHIDE BRECCIA, DARK GREY BASALT, VERY FINE-FINE GRAINED, PYRITE, MINOR CHALCOPYRITE AND BORNITE, MINERALIZED FLOW-TOP BRECCIA?

IN VICINITY (450 m NE): 330 ppb Au (GEOCHEMICALLY ANOMALOUS) SAMPLE 99RE26 CHERT WITH HEMATITE ON FRACTURES, MOTTLED GREY RIBBON CHERT (BEDS 4-10 CM THICK) INTERBEDDED WITH DARK GREY CHERTY-LITHIC TUFF (<1 CM THICK)

Supporting data must be submitted with this TECHNICAL REPORT

Information on this form is confidential for one year from the date of receipt subject to the provisions of the *Freedom of Information Act*.

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Name EDWARD D. FREY Reference Number 99/2000 P136

LOCATION/COMMODITIES

Project (TARGET) Area (as listed in Part A) LITTLE DIXON LAKE MINFILE No. if applicable N/A

Location of Project Area NTS 82 M/4 ~ Lat 51° 11' N Long 119° 57' W

Description of Location and Access VICINITY OF LITTLE DIXON LAKE ~23 KM EAST FROM BARRIERE VIA DIXON LAKE FOREST ACCESS ROAD & BRANCH ROADS NW & SE FROM LITTLE DIXON LAKE

Main Commodities Searched For GOLD AND COPPER

Known Mineral Occurrences in Project Area NONE. ANOMALOUS GOLD (44 & 40 ppb) IN TWO BCGS TILL SAMPLES (TWO SITES).

WORK PERFORMED

1. Conventional Prospecting (area) 202 HECTARES
2. Geological Mapping (hectares/scale) 183 HECTARES / ~1:3000
3. Geochemical (type and no. of samples) 30 ROCK + 1 TILL / 30g Au + 28 ELEMENT ICP EACH
4. Geophysical (type and line km)
5. Physical Work (type and amount)
6. Drilling (no. holes, size, depth in m, total m)
7. Other (specify)

SIGNIFICANT RESULTS

Commodities Claim Name

Location (show on map) Lat. Long Elevation

Best assay/sample type NO SIGNIFICANT RESULTS

Description of mineralization, host rocks, anomalies

Supporting data must be submitted with this TECHNICAL REPORT

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BRITISH COLUMBIA
PROSPECTORS ASSISTANCE PROGRAM
PROSPECTING REPORT FORM (continued)

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Name EDWARD D. FREY Reference Number 99/2000 P136

LOCATION/COMMODITIES

Project (TARGET) Area (as listed in Part A) MOUNT FADEAR MINFILE No. if applicable N/A

Location of Project Area NTS 82 M/4 & SE BORDER 92P/1 Lat ~51° 03' N Long 119° 59' W

Description of Location and Access VICINITY OF MT. FADEAR: (NE) ~40 ROAD KM SE FROM BARRIERE VIA NORTH CICERO CREEK FOREST ACCESS ROAD & CICERO CK. BRANCH ROADS #5 & #6; & (SW) ~26 ROAD KM SE FROM BARRIERE VIA LOUIS CREEK RD. & MCKNIGHT CREEK FOREST ACCESS RD.

Main Commodities Searched For GOLD AND COPPER

Known Mineral Occurrences in Project Area NONE. ANOMALOUS ARSENIC (81 & 58 ppb) IN TWO OF THREE BCGS TILL SAMPLES (THREE SITES)

WORK PERFORMED

1. Conventional Prospecting (area) 342 HECTARES
2. Geological Mapping (hectares/scale) 263 HECTARES / ~1:3000
3. Geochemical (type and no. of samples) 29 ROCK + 3 TILL / 30g Au + 28 ELEMENT ICP EACH
4. Geophysical (type and line km)
5. Physical Work (type and amount)
6. Drilling (no. holes, size, depth in m, total m)
7. Other (specify)

SIGNIFICANT RESULTS

Commodities Claim Name

Location (show on map) Lat. Long Elevation

Best assay/sample type NO SIGNIFICANT RESULTS

Description of mineralization, host rocks, anomalies

Supporting data must be submitted with this TECHNICAL REPORT

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E.D. Frey - Reference Number 99/2000 P136

PROJECT SUMMARY

Prospecting and geological mapping examined the vicinity of ten sites of anomalous till mineralization discovered by BCGS regional sampling programs in the western part of the Adams Plateau. An eleventh site (Mount Fadear Area - 979345) proposed for study was abandoned due to private property access restrictions. Five till sites are in the Chinook Mountain area and contain anomalous gold, two of these also have anomalous copper. The two till sites in the Little Dixon Lake area contain anomalous gold. The three till sites in the Mount Fadear area contain anomalous arsenic.

In this project, 164 bedrock samples were collected and analyzed for gold (30g) and 28 elements (ICP) and nine of these samples were also assayed selectively for gold, silver, and copper. In addition fifteen till exposures from the vicinity of nine of the target sites were sampled and analyzed in the same manner.

SIGNIFICANT RESULTS

1. the discovery in the Chinook Mountain Area of a small boulder of massive sulphide mineralization, apparently from an unknown source. The angular float is ~30x20x20 cm, massive sulphide breccia in basalt of the Fennell Formation. It contains >75% sulphides and iron oxide: pyrite, chalcopyrite, limonite, and minor bornite. The sample (99RE29) yielded 5113 ppm copper. The setting and exploration potential of this discovery and those of result #2 are outlined below in the section "979167 (Map CM-1)"

2. the discovery in the Chinook Mountain Area of geochemically anomalous gold within bedded chert (sample 99RE26) increases the exploration potential for the chert-basalt contact zones and opens the prospect of an exhalitive origin for some of the cherts in the area. The anomalous chert contains 330 ppb gold and is near the copper bearing float.

OVERALL OBSERVATIONS

CHINOOK MOUNTAIN AREA

Massive and pillowed basalt of the Devonian to Permian Fennell Formation of the Slide Mountain Tectonic Terrane is the dominant bedrock of the area. It is in the form of a series of numerous flows that dip steeply west. Pillowed flows, identified mainly by selvage remnants and sub-selvage varioles, are a significant component. Well defined pillows are rare and most observed were small (<30 cm). Flow top breccia is common in both massive and pillowed flows. The basalt is mostly grey to dark grey, very fine grained and sparsely amygdaloidal. Silica alteration is pervasive in most of the prospected areas, varying slightly in intensity. Oxidation to limonite and, to a much lesser degree, hematite is not as common. Seams, veinlets and narrow lattice-stockwork zones of quartz and minor carbonate are common in the "Gold Zone" (Map CM-3) and in the area southeast of site 979162 (Map CM-2). The regional metamorphic grade is lower greenschist.

Interbedded intermittently within the basalt flows are chert, cherty tuff, lapilli tuff, and argillite. The chert is mainly in well bedded ribbon chert accumulations, from less than one to more than thirty metres stratigraphic thickness. The chert also occurs as patchy infillings, overlying some pillows and within some flow top breccias. Most individual chert beds are 4-10 cm thickness, aphanitic to finely tuffaceous. Internally, truncated bedding and primary(?) deformation features are preserved. The pale grey-grey green-white chert beds are defined individually by thin (<1-4, rarely to 10, cm) interlayers of dark grey siliceous and weakly fissile lapilli tuff and argillite. The lapilli fragments are 1-4 cm. Argillite dominates some of the sedimentary sequences.

A granodiorite stock, coeval or an apophysis of the Cretaceous Baldy Batholith, intrudes the basalt in the northeastern part of the area (Map CM-4).

979124 (Map CM-3)

The gold (28 ppb), silver (581 ppb) and copper (465 ppm) till anomalies of BCGS sample 979124 appear to have resulted from the massive sulphide mineralization of the historic "Lower" and "Upper" showings, 540 m and 430 m (respectively) and 340° downslope from the sample site. Project sampling of the showings yielded up to 4.45 g/t Au, 40.0 g/t Ag and 13.2% Cu.

979126 (Map CM-4)

Project prospecting to 800 m up ice from the 62 ppb gold anomaly of BCGS sample 979126 did not find a probable source of it. To supplement scarce bedrock exposure, I sampled till adjacent to the BCGS site and at two other sites, 310 m and 200 m horizontally (northwest), and ~20 m vertically above the anomaly. All three samples yielded only 16% (10 ppb Au) of the target anomaly. However the vicinity of the anomaly warrants further prospecting downstream in the deeply incised valley of Newhykulston Creek. Glacial ice movement toward the anomalous site may have been influenced more by local preglacial topography than regional forces.

The disparity of results between the BCGS till sample and my sample adjacent to it (99TE263) is a reminder of the great variability of till deposits and the need for replicate sampling.

Although insignificant by themselves, the locally geochemically anomalous gold (80 ppb), silver (1.0 ppm), copper (504 ppm) and phosphorous (5680 ppm) results from bedrock sample 99RE115 suggest the presence of hydrothermal activity along the contact of Fennell Formation basalts with the granodiorite stock of the Baldy Batholith.

The source of the 247 ppb gold anomaly in BCGS stream sediment sample 791189 also remains to be examined further. It may be within the granodiorite, or the volcanic rocks along the southern contact of the granodiorite, buried by thick till cover. Additional targets are the uplands east and southeast of the sample that also drain into Newhykulston Creek.

979162 (Maps CM-2, CM-3)

Although covered extensively with till, the up ice terrain northwest of BCGS till sample 979162 has few till exposures suitable for hand sampling. Project sampling 1020 m north-northwest (99TE621) and 540 m south-southeast (99TE622) of the anomalous site yielded, respectively, 10 and 5 ppb Au and 112 and 110 ppm Cu. The BCGS sample contained 51 ppb Au & 376 ppm Cu. The reductions in gold (90%) and copper (70%) in the south sample are consistent with further down ice dilution from the source of the anomaly. However the north sample probably represents dilution from the mineralization of the "Lower" and "Upper" showings (see section "979124" above).

Prospecting northwest and north of the anomalous site, 700 to 1300 m to the east slope and ridge of Chinook Mountain, did not find a gold or copper source. The source may lie within sulphide(?) mineralization suggested by the undrilled north-northwest striking electromagnetic conductors that have been identified beneath the swampy area 400-600 m to the northwest and a parallel conductor 100-150 m from the BCGS till anomaly (Map CM-2).

Previous drilling in the "Gold Zone" (Map CM-3) found inconsistent sulphide mineralization in thin chert-argillite lenses. The best drilling results were up to 435 ppb gold and 7.83% copper. Surface sampling preceding the drilling program discovered up to 13 g/t gold from unidentified sites. Prospecting the area in the present project was not successful in identifying significant surface mineralization. One sample (99RE160) of silicified and brecciated basalt with quartz veinlets is geochemically anomalous in gold (330 ppb) and a very weak gold anomaly of 85 ppb occurs in a sample (99RE113a) of strongly silicified pillowed basalt, flow top breccia. A till sample (99TE241) from the upper slope of the area contains 5 ppb gold and 218 ppm Cu. Further gold prospecting in the area is warranted but would require selective overburden removal to provide adequate bedrock exposure.

979167 (Map CM-1)

Project till sampling at one site, 200 m east of BCGS sample 979167, did not confirm the 50 ppb gold obtained by the BCGS; till sample 99TE671 yielded 5 ppb gold.

Extensive project prospecting within a 1000 m northwestern arc of the till anomaly resulted in the discovery of two mineralization anomalies (highlighted on Map CM-1). Samples 99RE29 and 99RE26 are discussed in the first section of this summary. It is improbable that the till gold anomaly came from the relatively low (330 ppb) gold content of chert sample 99RE26. Detailed sampling of the numerous bedded chert-basalt flow contacts and flow top breccia zones within the basalts of this area is warranted. These contacts and zones are foci of the pervasive silica alteration observed in the basalts, argillites, and some of the tuffs. They may also have been conduits for gold bearing hydrothermal fluids.

The size and angularity of the copper bearing float suggest a nearby source. However project prospecting within 700 m north-northwest of the discovery site was not successful. The long distance (4.5 km), northerly bearing from the site, and lack of strong similarity of mineralization, suggest that the massive sulphide breccia did not originate at the historical "Lower" or "Upper" showings (Maps CM-2, CM-3). A more local source, within a kilometer northwest of the site is highly probable.

Previous ground geophysical surveys in the map area did not extend west of the copper float discovery site. Within the geophysically surveyed area in the vicinity of the site, several electromagnetic conductors remain undrilled, e.g. note grid and conductor "N" on Map CM-1.

979244 (Map CM-5)

Project prospecting to 1500 m up ice from the 50 ppb gold anomaly of BCGS sample 979244 did not find its source. Additional project till sampling at three sites within 300 m north and 150 m south of the anomaly supplemented the extremely poor bedrock exposure on the ~500 m high ridge that rises immediately west and northwest of the till sites. The project till results are (north to south): 10, 30, 5, 5 ppb gold. These data, and the negative bedrock prospecting results, are not conclusive. Confirmation of a northwestern source of the till anomaly would require test pitting within the forested upland or a suitable biogeochemical survey.

The valley of Delta Creek, upstream from the till sites, and its northeastern drainage slope also are possible source areas, if the anomaly-depositing ice movement was controlled by local topography.

LITTLE DIXON LAKE AREA

The area is within the Devonian and or Mississippian map unit EBF and Mississippian map unit EBP of the Eagle Bay Assemblage, Kootenay Terrane, as mapped by Schiarizza and Preto (see Index Map, this report). Comments in this report are confined to project observations. The bedrock is a sequence of weakly to strongly schistose, clastic metasedimentary and pyroclastic metavolcanic rocks. The metasediments mainly occupy the southwest half of the prospected areas and vary from chert-argillite to pebble sandstone and conglomerate. The pyroclastic rocks are in the northeast half and are mafic in composition. They vary from lithic to lapilli tuffs to very coarse tuff breccia. Transposed bedding and foliation strike consistently northwest and dip low to moderately to the northeast in all rock types. Deformation also is displayed as clast flattening, tightly isoclinal folding at a scale of a few centimetres, rare crenulation cleavage and secondary folding. In contrast, primary depositional features such as graded bedding and low angle planar crossbedding also are preserved in some of the metasediments.

969188 (Map LD-1)

Prospecting of the quadrant within one kilometre northwest from the 44 ppb gold anomaly of BCGS sample 969188 did not find its source. Bedrock in the prospected area is almost completely till covered. The maximum gold obtained from bedrock is 20 and 30 ppb (99RE2 and

99RE76, in chert and argillite). A till sample (99TE188) 180 m northwest of the anomalous site contained only 5 ppb gold. These results are not conclusive and should not deter additional prospecting. Guided by soil sampling on a detailed grid, selective overburden stripping of the 1-2 m thick lodgment till should be considered, particularly in the apparently northwest striking contact zone between the pyroclastic and metasedimentary rocks of the area.

969134 (Map LD-2)

Prospecting within one kilometre northwest of this anomalous BCGS till sample site (40 ppb gold) was hampered severely by an almost complete absence of outcrop. The hummocky, dead-ice terrain with its possibly thick cover of ablation till presents a difficult exploration challenge. The strong schistosity and sericite alteration in the possible shear zones observed 1.4 km northwest of the anomaly do not contain significant gold (maximum 20 ppb in a sericite-talc-quartz schist, 99RE82).

MOUNT FADEAR AREA

The northeast target area (Map MF-1) is part of Schiarizza and Preto's (see Index Map, this report) Lower Paleozoic map unit EBS of the Eagle Bay Assemblage, Kootenay Terrane. The southwest target area (Map MF-2) is adjacent to the southern extent of Schiarizza and Preto's mapping and may be part of their Mississippian map unit EBP. The comments in this report section are project observations.

Map area MF-1 contains a northwest striking sequence of schists and phyllitic schists, interspersed with weakly foliated greywacke and quartzite. The sandstones are evenly textured, fine grained and do not display bedding or foliation. The schists and phyllitic schists have a strong foliation: planar, wavy, or crenulated, that strikes generally northwest and dips mainly northeast ~40°-60°. They also display steep and shallow plunging metre-scale folding with variable plunge directions. Fine grained, recrystallized quartz veins, up to one metre, wide are common within the schist-phyllites. The schist-phyllites also host trace chalcopyrite, bornite and weak gossans. However significant mineralization is absent in all rock types of the area.

969024 (Map MF-1)

Prospecting northwest from BCGS till sample site 969024 was judged, on examination of the site, not practical in this project because of the dense forest cover of its steeply sloping terrain. Alternatively, the area east-southeast of the site was prospected because its equally steeply sloping surface recently had been deforested and replanted in two large tracts, providing more opportunity for bedrock and float exposure. The area is between two forest access branch roads, providing additional outcrop and mapping control. A suitable lodgment till exposure on the upper road is 1 km down-ice from the BCGS site and provides some comparison.

Prospecting did not extend the BCGS till anomaly of 81ppm arsenic into the area. The down-ice till sample (99TE0241) contains <5 ppm arsenic but it has more than twice the copper content: 89 ppm vs. 39 ppm. Both samples contain negligible gold. Bedrock sampling did not reveal significant mineralization. The source of the anomalous arsenic remains unresolved.

Map area MF-2 contains mainly weakly metamorphosed clastic sedimentary rocks: argillite, shale, siltstone, sandstone and minor conglomerate. Most of these rocks are strongly carbonaceous and weather with a sooty coating of fine grained graphite. A small body of coarse grained hornblende peridotite intrudes the sediments in the east part of the area. The sediments are complexly folded throughout the area, varying from flattened isoclinal folds a few centimetres in amplitude to larger systems observable through their fracture cleavage-bedding relationships.

969076 (Map MF-2)

Prospecting to one kilometre northwest from the 58 ppm arsenic anomaly of BCGS sample 969076 did not confirm its source. One sample of argillite-siltstone (99RE41) 420 m northwest from the anomalous till site contains 65 ppm arsenic, 10 ppb gold and 440 ppm zinc. A project till sample (99TE761) 430 m west-southwest and ~100 m upslope from the BCGS site contains 25

ppm arsenic and 5 ppb gold. The till covering the 800 m wide area between samples 99RE41 and 99RE137 may hide the source.

979349 (Map MF-2)

A project till sample (99TE491) collected adjacent to BCGS sample 979349 approximately replicates the anomalous arsenic content of the latter: 30 ppm vs. 45.2 ppm. Similar ratios occur in their silver contents: 200 ppb vs. 528 ppb; and copper: 162 ppm vs. 129 ppm. Prospecting to 1.5 km northwest from this site did not find a source for these anomalies. An argillite-siltstone sample (99RE132) one kilometre from the site contains 60 ppm arsenic and 20 ppb gold. These results are too low to have been the source of mineralization that produced the till anomalies. The till covered upslope within 800 m northwest of the till anomaly remains a favourable prospecting target but additional work would require selective removal of the >2 m thick overburden.

REFERENCES

Bobrowsky, P.T., Leboe, E.R., Dixon-Warren, A, Ledwon, A., MacDougall, D. and S.J. Sibbeck (1997): Till Geochemistry of the Adams Lake Plateau - North Barriere Lake Area (82M/4 and 5). B.C. Ministry of Employment and Investment, Open File 1997-9, 26p. & appendices.

Bobrowsky, P.T., Paulen, R., Little, E., Prebble, A., Ledwon, A. and R. Lett (1998): Till Geochemistry of the Louis Creek - Chu Chua Creek Area (NTS 92P/1E and 92P/8E). B.C. Ministry of Energy and Mines, Open File 1998-6, 26p. & appendices.

Casselman, Scott (1995): 1995 Diamond Drilling Report on the CM Property, Barriere, B.C. Inco Limited, Assessment Report 24,180.

Casselman, Scott, and Cameron Bell (1994): 1994 Geological, Geophysical and Lithogeochemical Report on the CM Property, Barriere, B.C. Inco Limited, Assessment Report 23,653.

Clarke, Tiro (1990): Annual Report on the 1989 Exploration Program. CM 1-7 Claims near Barriere, B.C. Minnova Inc. Private Report, 22p. & appendicies.

Farmer, R. (1988): Assessment Report, Barriere Lakes Project, CM Claims 1988 Diamond Drilling. BP Minerals Limited, Assessment Report 18,039.

Farmer, R., and S.J. Hoffman (1987): Assessment Report. Linecutting, Geophysics, Geochemistry, Geology and Diamond Drilling on the CM 1-6 Mineral Claims. BP Minerals Limited, Assessment Report 16,596.

Farmer, R., and Alan Wynne (1986): Assessment Report. Linecutting and Geophysical Survey, CM 1-6 Mineral Claims. BP Minerals Limited, Assessment Report 15,180.

French, A.G. and T. Clarke (1990): Annual Report on the 1990 Exploration Program. CM 1-7 Claims near Barriere, B.C. Minnova Inc. Private Report, 20p. & appendices.

Jackaman, W., Matysek, P.F. and S.J. Cook (1992): British Columbia Regional Geochemical Survey, NTS 92P - Bonaparte Lake, Stream Sediment and Water Geochemical Data. B.C. Ministry of Energy, Mines and Petroleum Resources, Preliminary Report RGS 36.

Schiarizza, P. and V.A. Preto (1987): Geology of the Adams Plateau-Clearwater-Vavenby Area. B.C. Ministry of Energy, Mines and Petroleum Resources, Paper 1987-2, 78p.

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SAMPLE DESCRIPTIONS - 1999 PROSPECTING

BEDROCK: all are *in situ* grab samples unless noted float, chip (section), or (outcrop) composite
TILL: all are lodgement till samples, hand excavated after removing colluvial cover;

NOTES: sample numbers not used or not analyzed: 99RE3, 4, 15, 16, 56, 65, 120, 145

total bedrock samples analyzed: 164

total till samples analyzed: 15

Bm - massive basalt; (unless noted) very fine grained, grey-dark grey

Chert - (unless noted) aphanitic, pale grey

Cherty Tuff - (unless noted) aphanitic to fine grained

vfg, fg, mg, cg - grain sizes: very fine (<1mm), fine, medium, coarse(>3mm);

diss. - disseminated

CHINOOK MOUNTAIN AREA

MAP CM-1

BEDROCK:

99RE17 (float)	Bm, fg ablation clast, 40 cm, sub-angular
99RE18	Bm, fg, flat outcrop
99RE19	Bm, vfg-fg
99RE20	Bm; cut by 4-6 cm wide dike (strike 090°), black, vfg, lamprophyre?
99RE21	Bm, pale grey-green, weakly hematitic
99RE22 (float)	Chert-Cherty Tuff; angular boulder fragments, tree uprooting, possibly *in situ*, trace vfg pyrite
99RE23	amygdaloidal Basalt, grey-dark grey, fg
99RE24	Lapilli Tuff, 1-4 cm interbed with 99RE25, vfg-fg, weakly fissile, flattened(?) lapilli to 4 mm, trace diss. pyrite
99RE25	Chert, 4-10 cm ribbon interbed with #99RE24, pale grey - faint grey-green, <1% diss. pyrite specks
99RE26	ribbon Chert-Cherty Tuff, mottled dark grey, aphanitic to fine grained, intrabed shearing, weakly hematitic fractures; **330 ppb GOLD, (geochemically anomalous) project discovery**
99RE27	ribbon Chert, weakly limonitic
99RE28	ribbon Chert-Cherty Tuff, edges of beds bleached to 1 cm, few limonite spots

99RE29 (float) Bm-massive sulphide breccia; 20x30 cm angular boulder, >75% sulphides, vfg-fg pyrite, chalcopyrite, limonite, minor bornite; **5113 ppm COPPER, primary project discovery**

99RE30 Bm, pillowed, dark grey, bleached fractures, trace diss. vfg pyrite

99RE31 Bm, mg-cg, few grains euhedral magnetite 1-3 mm

99RE32 (chip) ribbon Chert-Cherty Tuff, 10-15 cm spaced fracture cleavage; 50 cm sample section across strike

99RE33 (chip) pillowed Basalt, light grey, moderately silicified; 25 cm sample section underlying #99RE32 and, in part, #99RE34

99RE34 Cherty Tuff, dark grey-black

99RE35 (float) Argillite, subcrop?; 2-3 cm beds, silicified, weakly fissile, trace pyrite

99RE36 (chip) ribbon Chert, grey, beds to 6 cm; dark grey, deeply recessive, 1-2 cm Argillite interbeds, silicified, weakly fissile; 20 cm sample section

99RE37 Bm, pillowed (remnants), variolitic; flow-top breccia; weakly limonitic

99RE121 (composite) Bm, grey, fg, strongly silicified

99RE122 (chip) Bm, patchy Chert, strongly silicified and foliated, weakly limonitic; 50 cm sample section

99RE123 Bm, fg, 15-25 cm spaced fracture cleavage (blocky)

99RE124 Bm, white Quartz-Calcite Veinlets (stockworks) zone to 5 cm wide

99RE125 Bm, brecciated in part (flow top breccia?)

99RE126 Bm, grey, moderately silicified

99RE127 (float) pillowed Basalt, flow top breccia; small white Quartz Vein

99RE152 bleached Bm, strongly silicified; patchy white Chert

TILL:

99TE671 moderately indurated, brown-grey, silty till; 20-30% clasts, matrix supported, most 4-8 cm, range 2-15 cm, subangular-subrounded, most mafic volcanic, few chert and metasedimentary;
5 ppb Au, 28 ppm Cu

MAP CM-2

BEDROCK:

99RE13 Bm, variolitic, moderately silicified

99RE14 (float) dull white Quartz Vein, angular, 15x20x10 (wide) cm, fg-mg

99RE52 pillowed Basalt, silicified selvages

99RE53 pillowed Basalt, small pillows, 15-25 cm diameter, flow top breccia, moderately silicified and limonitic

99RE113b (float, composite of numerous angular boulder remnants) Bm, moderate silicification; intensive Quartz-Calcite Veinlets,

99RE150 Bm, vfg-mg, silicified in part, trace fg pyrite

99RE151 Bm, moderately silicified

99RE164 Bm, strongly silicified; Quartz Veinlet lattice-stockwork

99RE165 (float) pale grey-green Bm, vuggy in part, strongly silicified, 1% vfg-fg diss. pyrite; "heavy"

99RE166 (float) Bm, pillowed, strongly silicified; intensive Quartz Veinlet folia

99RE167 variolitic, pillowed Basalt, strongly silicified, trace vfg pyrite

99RE168 pillowed Basalt, strongly silicified, 1% vfg pyrite

99RE169 (float) pillowed Basalt, strongly silicified and limonitic; Quartz-Calcite veinlets

99RE170 (float, frost heaved subcrop) grey, platy Chert, limonitic (weak gossan?), trace vfg pyrite; few Quartz Veinlets

TILL:

99TE241 (description in following section; site also on Map CM-3)

99TE621 (description in following section; site also on Map CM-3)

99TE622 hard, weakly fissile, olive, silty-clay till; 40% clasts, matrix supported, most 3-5 cm, angular-subangular, mafic volcanic;
5 ppb Au, 110 ppm Cu

MAP CM-3

BEDROCK:

99RE46 (float) pale green-grey, fg Bm, weakly chloritic

99RE47 pillowed, amygdaloidal Basalt, vfg

99RE48 Bm, strongly silicified

99RE49 Bm, fg, strongly silicified

99RE50 Bm, weakly silicified and limonitic

99RE51 Bm, fg, stongly limonitic

"LOWER SHOWING" (historical showing; project reviewed mineralization)

99RE84 (chip) black-dark grey Gossan, Argillite-Chert, >10% vfg diss. pyrite; 30 cm section; **1.14 g/t Au, 2649 ppm Cu**

99RE85 massive pyrite, vfg-fg, minor chalcopyrite, strongly limonitic;
4.45 g/t Au, 4.6% Cu

99RE86 massive pyrite and malachite, vfg-fg;
920 ppb Au, 40 g/t Ag, 10.3% Cu

99RE87 (chip) massive malachite, vfg; weakly limonitic and hematitic; 25 cm section;
1.42 g/t Au, 35.4 g/t Ag, 10.95% Cu

99RE88 black platy Chert-Argillite, weakly limonitic; structurally overlies #99RE87;
6188 ppm Cu

99RE89 (float) as #99RE85; **2.72 g/t Au, 35.9 g/t Ag, 3.71% Cu**

99RE90 Ferrocrete (limonite cemented pyrite breccia), vfg malachite, minor vfg chalcopyrite; **2.06 g/t Au, 35.6 g/t Ag, 13.2% Cu**

99RE91 platy Chert, Argillite breccia

99RE92 massive limonite, Chert; **2403 ppm Cu**

99RE93 massive pyrite, vfg-fg; platy Chert, Quartz veinlets;
1.38 g/t Au, 5.72% Cu

"UPPER SHOWING" (historical showing; project reviewed mineralization)

99RE94 massive grey pyrite, strongly limonitic, minor fg magnetite and chalcopyrite; **2.64% Cu**

99RE95 massive vfg pyrite, minor magnetite; Chert breccia; adjacent to #99RE94;
1.12% Cu

99RE96 massive vfg pyrite; Chert breccia; minor vfg-fg chalcopyrite, magnetite, malachite and bornite; strongly limonitic; manganese coating;
6455 ppm Cu

99RE97 (chip) pyrite-limonite fault gouge; 20 wide (also sample width); **5319 ppm Cu**

99RE98 platy Chert-Argillite, strongly silicified and limonitic; **1251 ppm Cu**

99RE99 platy Chert, massive vfg pyrite clots to 5 cm, diss. vfg pyrite

(end of "Upper Showing" sample list)

99RE100 (float, scree) Bm, strongly silicified, fracture breccia, <1% cg pyrite

99RE101 (chip) Bm, strongly silicified and limonitic, manganese coated fracture breccia, 1-2% vfg pyrite; 50 cm section

99RE102 (chip) as #99RE101; adjacent

99RE103 (chip) as #99RE101; adjacent to #99RE102

99RE104 Bm, strongly silicified; patchy Chert; 1-3% diss. vfg pyrite; 4 m NW of #99RE103

99RE105 massive dark grey Chert, 1% vfg diss. pyrite

99RE106 Chert breccia; Bm, strongly silicified; 1% vfg diss. pyrite

99RE107 (float) Bm, brecciated, strongly silicified; patchy Chert

99RE108 Bm, moderately silicified, 1% vfg diss. pyrite, closely spaced fracture cleavage

99RE109 Bm, strongly silicified; patchy Chert; blocky (10-15 cm) fracture cleavage

99RE110 Bm, " " , 1% vfg diss. pyrite

99RE111 Bm, " " , fracture breccia

99RE112 grey-white Quartz Vein, fg-mg, recrystallized, 30 cm wide

99RE113a pillowed Basalt, flow top breccia, strongly silicified, weakly limonitic

99RE153 pale grey Bm breccia, clasts to 3 cm, strongly silicified

99RE154 (chip) Bm (fine fragments) fault gouge-gossan, grey to ochre, weakly hematitic; 40 cm section

99RE155 (chip) 10 cm section from centre of #99RE154 gouge-gossan; dark grey-black

99RE156 (chip) adjacent to #99RE154 and similar; coarse Bm-amygdaloidal, strongly silicified, weakly chloritic; 30 cm section

99RE157 (chip) Bm, strongly silicified; platy Chert; fracture breccia, weak gossan; 50 cm section

99RE158 grey Bm, strongly silicified, few Quartz-Calcite string veins

99RE159 pale green-mottled grey-white Bm fracture breccia, strongly silicified, weakly chloritic and limonitic, trace vfg pyrite

99RE160 Bm fracture breccia, strongly silicified, manganese coated, weakly hematitic; few Quartz Veinlets
330 ppb GOLD (geochemically anomalous project discovery)

99RE161 Bm, flow top breccia, 1-2 cm clasts; strongly silicified, manganese coated, trace vfg pyrite

99RE162 grey Chert fracture breccia, trace vfg pyrite

99RE163 dull grey-green Chert, vfg pyrite in fine fractures, patchy manganese coating

TILL:

99TE241 very hard, light brown, silty (minor sand and clay) till; 50% clasts, matrix supported, most 1-5 cm, angular, mafic volcanic;
5 ppb Au, 218 ppm Cu

99TE621 hard, brown-grey, silty-sandy till; 30-40% clasts, matrix supported, most 4-10 cm, subangular-subrounded, mafic volcanic;
10 ppb Au, 112 ppm Cu

MAP CM-4

BEDROCK:

99RE8	Granodiorite porphyry, <5% pale mauve K-spar (microcline?) phenocrysts, to 2 cm, subhedral; matrix white feldspar-quartz, minor clear quartz, 1-4 mm, euhedral-subhedral; 1% matrix angular-flattened, 5 mm- 2 cm hornblende-biotite xenoliths(?); weak flattening fabric
99RE9	Granodiorite, massive and porphyritic
99RE10 (float)	Bm, vfg-fg, weakly hematitic, 1% vfg diss. pyrite
99RE11 (composite)	Bm, moderately silicified
99RE12 (float, till clast)	angular cobble, light grey-white Quartz Vein, fg recrystallized, trace pyrite
99RE114	Granodiorite pegmatite, feldspar-quartz-(minor) muscovite, subhedral, to 4 cm
99RE115	Bm, vfg-fg, breccia (flow top?), 1% fg-mg magnetite, strongly silicified, weakly limonitic; **80 ppb Au, 504 ppm Cu, 5680 P** (geochemical curiosities)
99RE116	pillowed and variolitic Basalt, flow top breccia, strongly silicified; weak foliation

TILL:

99TE261	very hard, weakly fissile, dark brown-grey, silty till; >60% clasts, matrix supported, most 3-5 cm, range 1-15 cm, subangular, mafic volcanic, rare granitic; 10 ppb Au, 64 ppm Cu
99TE262	moderately indurated, grey-olive brown, sandy till; >60% clasts, matrix supported, most 3-5 cm, rarely >8 cm, subangular -subrounded, mafic volcanic, rare granitic; 10 ppb Au, 47 ppm Cu
99TE263	very hard, grey, silty-sandy till; 70% clasts, matrix supported, most 2-10 cm, angular-subangular, mafic volcanic, rare granitic; 10 ppb Au, 81 ppm Au

MAP CM-5

BEDROCK:

99RE5	Bm, fg; vfg diss. pyrite
99RE6	Bm, bleached
99RE7	Bm, fg-cg, basal flow?
99RE117	Bm, bleached, strongly silicified, 1-2% vfg diss. pyrite
99RE118a	Bm, strongly silicified, weak gossan, trace pyrite
99RE118b	Bm, grey-bleached, strongly silicified, trace pyrite
99RE119	Bm, strongly silicified,weak gossan, manganese coating, trace pyrite

TILL:

99TE441 very hard, grey, silty till; >70% clasts, matrix supported, most 2-5 cm, angular-subangular, rare small boulder; clasts >90% vfg mafic volcanic, rare granitic; 10 ppb Au, 64 ppm Cu

99TE442 moderately indurated, grey-brown, sandy-silty till; >50% clasts, matrix supported, most 2-5 cm, subangular-subrounded, mafic volcanic, rare granitic; 30 ppb Au, 88 ppm Cu

99TE443 very hard, grey-dark brown, silty-sandy-minor clay till; 40-60% clasts, matrix supported, 2-25 cm, average 5 cm, angular-subangular, most mafic volcanic, sparse granitic; 5 ppb Au, 48 ppm Cu

99TE444 hard, grey-brown, silty-sandy till; 30-40% clasts, matrix supported, 2-5 cm, rarely >10 cm, subangular-angular, ~5% subrounded, most mafic volcanic; 5 ppb Au, 44 ppm Cu

LITTLE DIXON LAKE AREA

MAP LD-1

BEDROCK:

99RE1 (composite) grey-dark grey Chert-Argillite, thinly bedded to 2-3 cm, weak gossan in part

99RE2 dark grey-black Chert-Argillite, 20% clear-white Quartz, seam to 2 cm wide infolded

99RE54 dark grey Lapilli Tuff, mafic, fine lapilli to 3-4 mm, few fg quartz eyes;

99RE55 Quartz Vein, 2-3 cm, cutting mafic Lapilli Tuff-Lithic Tuff, 20% lapilli to 4 mm, weakly chloritic

99RE57 grey Lithic Tuff, mafic, chloritic

99RE58 mafic Lithic Tuff

99RE59 pale green Lapilli Tuff, lapilli to 4 mm

99RE60 grey Sandstone, fg, arkose-greywacke(?), weakly chloritic

99RE61 Pebble Sandstone-Conglomerate, polymictic, subangular-subrounded clasts to 5 cm, few flattened, beds 1-5 cm

99RE62 pale green Lithic Tuff, sheared, weakly sericitic and chloritic

99RE63 grey-black Quartzite, minor limonite spoting

99RE64 white Quartzite

99RE76 (chip) black Argillite, weak gossan; 50 cm section

99RE77 (chip) Chert-Argillite, 4 m section, includes 1 m wide stratabound weak gossan of #99RE76

99RE78 (composite) pale grey-white Quartz Vein, fg; sample of 2 m length

TILL:

99TE881 hard, dark brown, silty-sandy till; carbonate matrix, 30% clasts, matrix supported, most 2-5cm, angular-subangular (50%) and subangular-subrounded (50%), metasedimentary, 5% granitic;
5 ppb Au, 34 ppm Cu, 10 ppm As

MAP LD-2

BEDROCK:

99RE66 Tuff Breccia, polymictic clasts to 25 cm; sampled mafic matrix

99RE67 (float) grey Sandstone, fg greywacke, 20% limonite spots;

99RE68 grey Lithic Tuff, clasts to 15 mm; greywacke?; limonite spots 1-2 mm

99RE69 pale grey Quartzite, weakly hematitic; mg Lithic Tuff

99RE70 grey Sandstone, fg, weak gossan

99RE71 Tuff Breccia, vcg, mafic, flattened clasts to 15 cm, rare felsic clasts

99RE72 Lapilli Tuff-Tuff Breccia, moderate gossan

99RE73 bleached Sandstone, greywacke

99RE74 Sandstone, greywacke, graded bedding

99RE75 grey Argillite-Slate, moderate fracture gossan

99RE79 (composite) bleached quartz-sericite Schist, vfg-fg, strongly fissile, weak gossan; 5 m section

99RE80 bleached quartz-sericite-muscovite Schist, fg, limonite pits to 3 mm

99RE81 sericite-talc-quartz Schist, vfg-fg

99RE82 as #99RE81, and strong yellow limonite staining

99RE83 dark brown Limestone Breccia (fracture breccia?), to 10% quartz-calcite veinlets

MOUNT FADEAR AREA

MAP MF-1

BEDROCK:

99RE138 bright grey muscovite Schist, strong foliation

99RE139 grey-white Quartz Vein, fg, recrystallized, to 10 cm wide, cuts #99RE138 obliquely

99RE140 (float) pale green Sandstone, fg greywacke, weakly chloritic

99RE141 (float) grey Granodiorite porphyry, cg feldspar-quartz-biotite matrix, few subhedral feldspar phenocrysts to 10 mm

99RE142 pale green muscovite-chlorite Schist, fg, 30% small Quartz Veins, fg, recrystallized

99RE143 grey-green, green mica Schist, fg;

99RE144 as #99RE143

99RE146 grey muscovite Schist-Phyllite, fg, weak gossan

99RE147 grey-white Quartz Vein, fg recrystallized, in grey muscovite Schist, fg, trace chalcopyrite

99RE148 grey muscovite-sericite Schist, fg-mg; gossan, trace chalcopyrite and bornite

99RE149 grey-white Quartz Vein, as #99RE147, no visible sulphides

TILL:

99TE0241 moderately indurated, dark grey-black, silt-clay till; 30-40% clasts,matrix supported, most platy, 1x3 cm, few >5 cm, angular, mica schist; <5 ppb Au, 89 ppm Cu, <5 ppm As

MAP MF-2

BEDROCK:

99RE38 dark grey-black Argillite-Siltstone, strongly graphitic, gossan

99RE39 as #99RE38

99RE40 as #99RE38

99RE41 grey-light brown Argillite-Siltstone

99RE42 light green Peridotite, cg, 20% subhedral hornblende

99RE43 as #99RE41

99RE44 (float) light green Peridotite, large sub angular boulder

99RE45 grey-black Argillite-Siltstone, strongly graphitic, weak pyritic gossan

99RE128 grey-dark grey Siltstone-Shale, gossan, weakly carbonate

99RE129 (float composite) white Quartz Vein, vfg recrystallized, trace tourmaline; in roadbed

99RE130 (float composite) white Quartz Vein, cg recrystallized, weak gossan

99RE131 grey Siltstone, graphitic, gossan

99RE132 light grey Argillite-Siltstone

99RE133 grey-brown Sandstone, greywacke, fg, minor Siltstone, Shale, graphitic

99RE134 as #99RE133 plus gossan and trace chalcopyrite; "heavy"

99RE135 black Argillite-Siltstone, graphitic, weak gossan

99RE136 (float) white Quartz Vein, vfg recrystallized; vfg pyrite in cavities; in roadbed

99RE137 light grey-brown Shale-Siltstone, fracture breccia, gossan

TILL:

99TE491 moderately indurated, dark brown-black, silty (very minor clay) till; carbonate matrix, 40% clasts, matrix supported, most 1-2 cm, few to 5 cm, subangular, graphitic sedimentary, rare granitic;
10 ppb Au, 162 ppm Cu, 30 ppm As

99TE761 very hard, dark brown, silty-clay(<5%) till; carbonate matrix, 20% clasts, matrix supported, most 3-5 cm, subangular, graphitic sedimentary, 5% limestone and granitic;
5 ppb Au, 107 ppm Cu, 25 ppm As

LEGEND

CHINOOK MOUNTAIN AREA
1999 PROSPECTING

MAPS CM-1, CM-2, CM-3, CM-4 & CM-5

BALDY BATHOLITH (stock)
Cretaceous

GD GRANODIORITE
- **m** massive
- **por** porphyritic
- **peg** pegmatitic

FENNEL FORMATION
Devonian to Permian

MAFIC METAVOLVANIC ROCKS

B BASALT
- **m** massive
- **p** pillowed
- **v** variolitic
- **amyg** amygdaloidal
- **ftbx** flow top breccia
- **hy** hyaloclastite

CLASTIC / CHEMICAL METASEDIMENTARY ROCKS

- **Ch CHERT**
- **Ct CHERTY TUFF**
- **Lt LAPILLI TUFF**
- **Arg ARGILLITE**

ALTERATION: INTENSE, Moderate, weak

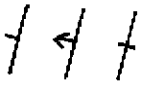
- **Sil** silica
- **Lim** limonite
- **Hem** hematite
- **Ca** calcite / carbonate
- **Mn** manganese
- **Chl** chlorite
- **Gos** gossan
- **Qv** quartz vein
- **Bx** brecciation

MINERALIZATION

Py	pyrite
Mag	magnetite
Cpy	chalcopyrite
Mal	malachite
Born	bornite
Au	gold
Ag	silver
Cu	copper

SYMBOLS:

Outcrop: large, small, none



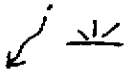
Bedding: inclined,
top direction known,
vertical

Foliation: inclined, vertical

Fracture Cleavage: inclined, vertical

Pillowed Basalt: facing direction known

Glacial Straie



Drainage, Flow Direction, Swamp
Maps CM-4,5

Steep Downslope, Maps CM-4,5

Cliff, Scarp: ticks on low side

Cut Block Boundary, Maps CM-4,5

Claim Post & Claim Name

SAMPLES: All rock and till samples were ICP analyzed for gold (30 g) and 28 additional elements; several samples from the historical "Upper" and "Lower" showings (Map CM-3) also were assayed for gold, silver, and copper; certificates attached.

99RE### 1999 rock grab sample unless noted: float, chip (section width), or outcrop composite;

SIGNIFICANT RESULTS:
MAP CM-1

99RE26 - 330 ppb Au, 118 ppm Cu, & 110 ppm Cr - geochemically anomalous; mottled grey ribbon chert/cherty tuff, hematite on fractures.

99RE29 - 5113 ppm Cu - massive sulphide breccia; pyrite, chalcopyrite, bornite; angular float boulder.

MAP CM-3

"Lower Showing"

	g/t Au	g/t Ag	% Cu	ppm Cu
99RE84	1.14			2649
99RE85	4.45		4.60	
99RE86		40.0	10.30	
99RE87	1.42	35.4	10.95	
99RE88				6188
99RE89	2.72	35.9	3.71	
99RE90	2.06	35.6	13.20	
99RE93	1.38		5.72	

"Upper Showing"

99RE94			2.64	
99RE95			1.12	
99RE96				6455
99RE97				5319

"Gold Zone"

99RE160 - 330 ppb Au - geochemically anomalous; basalt fracture breccia, strong Mn alteration, few quartz veinlets.

99TE## 1999 prospecting: lodgement till

	Gold and Copper Results	Location Map
99TE241	- 5 ppb Au / 218 ppm Cu	CM-2,3
99TE261	- 10 ppb Au / 64 ppm Cu	CM-2,4
99TE262	- 10 ppb Au / 47 ppm Cu	"
99TE263	- 10 ppb Au / 81 ppm Cu	"
99TE441	- 10 ppb Au / 64 ppm Cu	CM-5
99TE442	- 30 ppb Au / 88 ppm Cu	"
99TE443	- 5 ppb Au / 48 ppm Cu	"
99TE444	- 5 ppb Au / 44 ppm Cu	"
99TE621	- 10 ppb Au / 112 ppm Cu	CM-2,3
99TE622	- 5 ppb Au / 110 ppm Cu	CM-2

97#### lodgement till: B.C. Geological Survey samples
Open File 1998-6; (Bobrowsky et al., 1998)

	Gold and Copper Results	Location Map
979124	- 28 ppb Au and 465 ppm Cu	CM-2,3
979126	- 62 ppb Au	CM-2,4
979162	- 52 ppb Au and 376 ppm Cu	CM-2
979167	- 50 ppb Au	CM-1
979244	- 50 ppb Au (Map CM-5)	CM-5

79#### stream sediment: B.C. Geological Survey
Regional Geochemical Survey 36
(Jackaman et al., 1992)

791189 - 247 ppb and 13 ppb Au (replicate samples); Map CM-4
791190 - 3 ppb Au; Map CM-4

REFERENCES

Index Map: southwest part of B.C. Geological Survey, Paper 1987-2, Figure 4:
Schiarizza, P. and V.A. Preto (1987): Geology of the Adams Plateau-Clearwater-Vavenby Area. B.C. Ministry of Energy, Mines and Petroleum Resources, Paper 1987-2, 78p.

Maps CM-1 and CM-2: base maps by Inco Exploration:
Casselman, Scott (1995): 1995 Diamond Drilling Report on the CM Property, Barriere, B.C. Inco Limited, Assessment Report 24,180.

Map CM-3: base map by Inco Exploration:
Casselman, Scott (1993): 1993 Geological and Lithogeochemical Report on the CM Property, Barriere, B.C. and Geochemical and Terrain Analysis Assessment Report of the CM Claims. Inco Exploration and Technical Services Inc., Assessment Report 23,155.

Maps CM-4 and CM-5: base maps are photo-enlarged tracings of 1:20,000 scale B.C. Forest Service Orthophoto Base Map Series 92P.040 and 92P.030, respectively.

Bobrowsky, P.T., Paulen, R., Little, E., Prebble, A., Ledwon, A. and R. Lett (1998): Till Geochemistry of the Louis Creek - Chu Chua Creek Area (NTS 92P/1E and 92P/8E). B.C. Ministry of Energy and Mines, Open File 1998-6, 26p. & appendices.

Farmer, R., and S.J. Hoffman (1987): Assessment Report. Linecutting, Geophysics, Geochemistry, Geology and Diamond Drilling on the CM 1-6 Mineral Claims. BP Minerals Limited, Assessment Report 16,596.

Jackaman, W., Matysek, P.F. and S.J. Cook (1992): British Columbia Regional Geochemical Survey, NTS 92P - Bonaparte Lake, Stream Sediment and Water Geochemical Data. B.C. Ministry of Energy, Mines and Petroleum Resources, Preliminary Report RGS 36.

Tills

30-Aug-99

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10041 East Trans Canada Highway
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V2C 6T4

Phone: 250-573-5700
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ICP CERTIFICATE OF ANALYSIS AK 99-365

ED FREY
PO BOX 1437
KAMLOOPS, BC
V2C 6L7

ATTENTION: ED FREY

No. of samples received: 4
Sample type: Till
PROJECT #: None Given
SHIPMENT #: None Given
Samples submitted by: Ed Frey

Values in ppm unless otherwise reported

		Weights(g)																											
Et #.	**Tag #**	**-230**	**+230**	**Au(ppb)**	**Ag**	**Al %**	**As**	**Ba**	**Bi**	**Ca %**	**Cd**	**Co**	**Cr**	**Cu**	**Fe %**	**La**	**Mg %**	**Mn**	**Mo**	**Na %**	**Ni**	**P**	**Pb**	**Sb**	**Sn**	**Sr**	**Tl %**	**U**	**V**	**W**	**Y**	**Zn**
1	99TE441	67	10441	10	<0.2	1.88	10	135	15	0.62	<1	25	61	64	3.11	<10	0.94	533	<1	0.01	44	550	20	<5	<20	21	0.23	<10	70	<10	43	48
2	99TE442	73	10476	30	<0.2	1.82	5	75	10	0.68	<1	33	63	88	3.39	<10	1.06	586	<1	0.02	40	600	18	10	<20	16	0.25	<10	83	<10	53	37
3	99TE443	79	8222	5	<0.2	1.89	5	110	10	0.41	<1	19	58	48	3.22	20	0.79	507	<1	0.01	41	730	20	<5	<20	14	0.12	<10	64	<10	26	54
4	99TE444	72	8601	5	<0.2	1.34	<5	90	15	0.56	<1	19	50	44	2.51	<10	0.70	387	<1	0.01	33	520	14	10	<20	12	0.21	<10	62	<10	55	33
QC DATA:																															
Repeat:																															
1	99TE441			-	<0.2	1.86	10	125	15	0.62	1	24	60	63	3.08	<10	0.93	527	<1	0.01	44	560	20	5	<20	18	0.23	<10	69	<10	46	46
3	99TE443			10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Standard:																															
GEO'99				120	1.6	1.67	60	155	10	1.83	<1	18	59	87	3.85	<10	0.98	656	<1	0.02	22	690	22	10	<20	54	0.09	<10	72	<10	7	69

df/344
XLS/99

ECO-TECH LABORATORIES LTD.
Frank J. Pezzotti, A.Sc.T.
B.C. Certified Assayer

9-Nov-99

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ICP CERTIFICATE OF ANALYSIS AK 99-392R

ED FREY
PO BOX 1437
KAMLOOPS, BC
V2C 6L7

ATTENTION: ED FREY

No. of samples received: 4
Sample type: Till
PROJECT #: None Given
SHIPMENT #: None Given
Samples submitted by: Ed Frey

Values in ppm unless otherwise reported

Et #.	Tag #	Weights(g) -230	Weights(g) +230	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	99TE261	36	11882	10	<0.2	2.01	<5	145	10	0.69	<1	28	70	64	3.30	<10	1.09	744	<1	0.04	45	770	16	10	<20	31	0.16	<10	76	<10	33	51
2	99TE262	90	5065	10	<0.2	0.94	10	60	<5	0.60	<1	13	35	47	1.89	<10	0.52	256	<1	0.03	18	840	8	<5	<20	20	0.12	10	45	<10	31	21
3	99TE263	43	5744	10	<0.2	1.96	20	115	5	0.63	<1	24	69	81	3.10	<10	0.99	482	<1	0.03	43	560	16	5	<20	19	0.18	<10	74	<10	41	44
4	99TE671	108	5457	5	<0.2	1.66	<5	60	15	0.62	<1	17	45	28	2.32	<10	0.67	227	<1	0.02	24	220	10	10	<20	8	0.24	<10	72	<10	30	26
QC DATA:																																
Repeat:																																
1	99TE261			-	<0.2	2.00	10	135	5	0.68	<1	28	70	64	3.29	<10	1.09	743	<1	0.03	46	790	18	<5	<20	30	0.17	<10	75	<10	35	51
2	99TE262			10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Standard:																																
GEO'99				120	1.2	1.74	65	155	5	1.84	<1	19	64	86	3.86	<10	0.96	684	<1	0.02	24	690	24	15	<20	54	0.08	<10	77	<10	7	72

df/376
XLS/99

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9-Nov-99

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ICP CERTIFICATE OF ANALYSIS AK 99-433R

ED FREY
PO BOX 1437
KAMLOOPS, BC
V2C 6L7

ATTENTION: ED FREY

No. of samples received: 2
Sample type: Till
PROJECT #: None Given
SHIPMENT #: None Given
Samples submitted by: Ed Frey

Values in ppm unless otherwise reported

Et #.	Tag #	Weight (g) -230 Mesh	Weight (g) +230 Mesh	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	99TE621	61	3859	10	<0.2	2.34	10	190	15	0.79	<1	25	104	112	3.64	20	1.53	431	<1	0.02	48	250	14	10	<20	32	0.26	<10	108	<10	56	40
2	99TE881	85	9080	5	<0.2	0.79	10	65	5	1.79	<1	17	27	34	2.42	20	0.45	497	<1	0.02	30	1360	12	<5	<20	81	0.05	<10	28	<10	24	53

QC DATA:

Repeat:

1	99TE621			10	<0.2	2.29	10	180	15	0.77	<1	25	103	109	3.61	20	1.50	427	<1	0.02	47	250	14	15	<20	30	0.26	<10	105	<10	55	40

Standard:

GEO'99				115	1.0	1.69	60	155	15	1.80	<1	18	59	85	3.86	20	0.94	647	<1	0.02	25	750	24	5	<20	53	0.10	<10	74	<10	8	71

df/433
XLS/99

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9-Nov-99

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ICP CERTIFICATE OF ANALYSIS AK 99-537R

ED FREY
PO BOX 1437
KAMLOOPS, BC
V2C 6L7

ATTENTION: ED FREY

No. of samples received: 1
Sample type: Till
PROJECT #: None Given
SHIPMENT #: None Given
Samples submitted by: Ed Frey

Values in ppm unless otherwise reported

		Weights(g)																											
Et #.	**Tag #**	**-230**	**+230**	**Au(ppb)**	**Ag**	**Al %**	**As**	**Ba**	**Bi**	**Ca %**	**Cd**	**Co**	**Cr**	**Cu**	**Fe %**	**La**	**Mg %**	**Mn**	**Mo**	**Na %**	**Ni**	**P**	**Pb**	**Sb**	**Sn**	**Sr**	**Ti %**	**U**	**V**	**W**	**Y**	**Zn**
1	99TE622	39	4173	5	<0.2	3.55	50	180	15	0.94	<1	31	123	110	5.10	<10	1.39	816	<1	0.02	59	670	14	10	<20	31	0.21	<10	143	<10	49	52
QC DATA:																																
Repeat:																																
1	99TE622			5	<0.2	3.63	60	175	15	0.96	<1	32	124	110	5.16	<10	1.41	812	<1	0.02	60	700	14	<5	<20	30	0.22	<10	145	<10	51	52
Standard:																																
GEO'99				125	1.0	1.79	65	155	10	1.78	<1	20	64	85	3.83	<10	0.99	650	<1	0.02	24	680	18	10	<20	56	0.08	<10	78	<10	8	70

df/537
XLS/99

per
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B.C. Certified Assayer

9-Nov-99

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ICP CERTIFICATE OF ANALYSIS AK 99-562R

ED FREY
PO BOX 1437
KAMLOOPS, BC
V2C 6L7

ATTENTION: ED FREY

No. of samples received: 4
Sample type: Till
PROJECT #: None Given
SHIPMENT #: None Given
Samples submitted by: Ed Frey

Values in ppm unless otherwise reported

Et #.	Tag #	Weights(g) -230	Weights(g) +230	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	99TE0241	70	4767	<5	<0.2	2.24	<5	85	5	0.05	<1	21	41	89	4.65	30	1.23	455	6	<0.01	82	330	22	<5	<20	8	<0.01	<10	17	<10	<1	79
2	99TE241	29	5675	5	<0.2	4.50	10	145	10	1.61	<1	54	140	218	6.68	<10	2.48	1956	<1	0.03	78	530	18	10	<20	160	0.28	<10	182	<10	91	86
3	99TE491	70	6583	10	0.2	1.64	30	85	10	1.13	3	31	40	162	5.46	<10	1.08	933	7	<0.01	53	1510	16	<5	<20	91	0.05	<10	49	<10	<1	200
4	99TE761	87	7037	5	<0.2	1.57	25	80	10	2.45	2	24	52	107	4.17	10	1.07	733	2	0.02	49	1150	14	5	<20	144	0.08	<10	47	<10	<1	145
QC DATA:																																
Repeat:																																
1	99TE0241			-	<0.2	2.13	<5	75	5	0.05	<1	20	39	86	4.48	30	1.17	438	5	<0.01	80	350	22	<5	<20	6	<0.01	<10	17	<10	<1	77
4	99TE761			<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Standard:																																
GEO'99				115	1.0	1.77	70	150	10	1.80	1	18	63	82	3.83	<10	0.96	683	<1	0.02	23	670	22	5	<20	54	0.09	<10	75	<10	6	66

df/546D
XLS/99

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BRITISH COLUMBIA
PROSPECTORS ASSISTANCE PROGRAM
PROSPECTING REPORT FORM (continued)

B. TECHNICAL REPORT

- One technical report to be completed for each project area.
- **Refer to Program Requirements/Regulations 15 to 17, page 6.**
- If work was performed on claims a copy of the applicable assessment report may be submitted in lieu of the supporting data (see section 16) required with this TECHNICAL REPORT.

Name EDWARD D. FREY Reference Number 99/2000 P136

LOCATION/COMMODITIES

Project Area (as listed in Part A) MOUNT FADEAR MINFILE No. if applicable N/A

Location of Project Area NTS 82 M/4 & 5E BOARDER 92 P/1 Lat ~51°03'N Long 119°57'W

Description of Location and Access VICINITY OF MT. FADEAR: (NE) ~40 ROAD KM SE FROM BARRIERE VIA NORTH CICERO CREEK FOREST ACCESS ROAD & CICERO CK. BRANCH ROADS #5 & #6, & (SW) ~28 ROAD KM SE FROM BARRIERE VIA LOUIS CREEK RD. & MCKNIGHT CK. FOREST ACC. RD.

Main Commodities Searched For GOLD AND COPPER

Known Mineral Occurrences in Project Area NONE. ANOMALOUS ARSENIC (81, 58, 45 ppb) IN THREE BCGS TILL SAMPLES (THREE SITES)

WORK PERFORMED

1. Conventional Prospecting (area) 342 HECTARES
2. Geological Mapping (hectares/scale) 263 HECTARES / ~1:3000
3. Geochemical (type and no. of samples) 29 ROCK + 3 TILL / 30g Ao + 28 ELEMENT ICP EACH
4. Geophysical (type and line km)
5. Physical Work (type and amount)
6. Drilling (no. holes, size, depth in m, total m)
7. Other (specify)

SIGNIFICANT RESULTS

Commodities Claim Name

Location (show on map) Lat. Long Elevation

Best assay/sample type NO SIGNIFICANT RESULTS

Description of mineralization, host rocks, anomalies

Supporting data must be submitted with this TECHNICAL REPORT

Information on this form is confidential for one year from the date of receipt subject to the provisions of the *Freedom of Information Act*.

LEGEND

LITTLE DIXON LAKE & MOUNT FADEAR AREAS
1999 PROSPECTING

MAPS LD-1, LD-2, MF-1 & MF-2

EAGLE BAY ASSEMBLAGE
Devonian to Mississippian

INTRUSIVE ROCKS

GD GRANODIORITE
UM ULTRAMAFIC (peridotite)

CLASTIC / CHEMICAL METASEDIMENTARY ROCKS
(includes some pyroclastics)

AGL	**AGGLOMERATE**
ARG	**ARGILLITE**
CH	**CHERT**
CT	**CHERTY TUFF**
CONG	**CONGLOMERATE**
GPH	**GRAPHITE**
LHT	**LITHIC TUFF**
LPT	**LAPILLI TUFF**
LST	**LIMESTONE**
PHY	**PHYLLITE**
QTE	**QUARTZITE**
SS	**SANDSTONE**
SSP	**PEBBLE SANDSTONE**
SLTST	**SILTSTONE**
SH	**SHALE**
SCH	**SCHIST**
SLATE	
TALC	
TBX	**TUFF BRECCIA**

ALTERATION: INTENSE, Moderate, weak

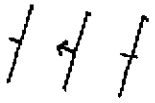
Lim	limonite
Hem	hematite
Ca	calcite / carbonate
Chl	chlorite
Gos	gossan
Gm	green mica (Cr or V)
Mus	muscovite
Ser	sericite
Qv	quartz vein
Bx	brecciation

MINERALIZATION

Py	pyrite
Cpy	chalcopyrite
Born	bornite
Tour	tourmaline
Qz	quartz

SYMBOLS:

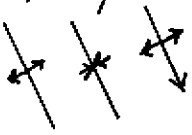
Outcrop: large, small, none



Bedding: inclined,
top direction known,
vertical

Foliation: inclined, vertical

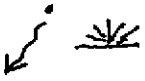
Fracture Cleavage: inclined, vertical



Fold Axial Trace: antiform, synform, plunge known

Fault

Glacial Strale



Drainage, Flow Direction, Swamp

Steep Downslope

Cliff, Scarp: ticks on low side

Cut Block Boundary

SAMPLES: All rock and till samples were ICP analyzed for gold (30 g) and 28 additional elements; certificates attached.

99RE### 1999 rock grab sample unless noted: float, chip (section width), or outcrop composite;

99TE## 1999 prospecting: lodgement till

	Gold	/	Copper	/	Arsenic	Location Map
99TE0241 -	<5 ppb	/	89 ppm	/	<5 ppm	MF-1
99TE491 -	10 ppb	/	162 ppm	/	30 ppm	MF-2
99TE761 -	5 ppb	/	107 ppm	/	25 ppm	MF-2
99TE881 -	5 ppb	/	34 ppm	/	10 ppm	LD-1

97#### lodgement till: B.C. Geological Survey samples

Open File 1997-9; (Bobrowsky et al., 1997):

	Gold	/	Copper	/	Arsenic	Location Map
969024 -	6 ppb	/	39 ppm	/	81 ppm	MF-1
969076 -	5 ppb	/	125 ppm	/	58 ppm	MF-2
969134 -	40 ppb	/	72 ppm	/	36 ppm	LD-2
969188 -	44 ppb	/	51 ppm	/	12 ppm	LD-1

Open File 1998-6; (Bobrowsky et al., 1998):

979349 -	6ppb	/	129 ppm	/	45 ppm	MF-2

REFERENCES

Index Map: southwest part of B.C. Geological Survey, Paper 1987-2, Figure 4: Schiarizza, P. and V.A. Preto (1987): Geology of the Adams Plateau-Clearwater-Vavenby Area. B.C. Ministry of Energy, Mines and Petroleum Resources, Paper 1987-2, 78p.

Maps LD-1 and LD-2: base maps are photo-enlarged tracings from 1:20,000 scale B.C. Forest Service Orthophoto Base Map Series 82M.011.

Map MF-1: base map is a photo-enlarged tracing from 1:15,000 scale B.C. Forest Service Orthophoto Base Map Series 82M.001.

Map MF-2: base map is a photo-enlarged tracing from 1:20,000 scale B.C. Forest Service Orthophoto Base Map Series 82M.001 and 92P.010.

Bobrowsky, P.T., Leboe, E.R., Dixon-Warren, A, Ledwon, A., MacDougall, D. and S.J. Sibbeck (1997): Till Geochemistry of the Adams Lake Plateau - North Barriere Lake Area (82M/4 and 5). B.C. Ministry of Employment and Investment, Open File 1997-9, 26p. & appendices.

Bobrowsky, P.T., Paulen, R., Little, E., Prebble, A., Ledwon, A. and R. Lett (1998): Till Geochemistry of the Louis Creek - Chu Chua Creek Area (NTS 92P/1E and 92P/8E). B.C. Ministry of Energy and Mines, Open File 1998-6, 26p. & appendices.

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email: ecotech@mail.wkpowerlink.com

CERTIFICATE OF ASSAY AK 99-465

ED FREY
PO BOX 1437
KAMLOOPS, BC
V2C 6L7

21-Sep-99

Rocks

ATTENTION: ED FREY

No. of samples received: 19
Sample type: Rock
PROJECT #: None Given
SHIPMENT #: None Given
Samples submitted by: E. Frey

ET #.	Tag #	Au (g/t)	Au (oz/t)	Ag (g/t)	Ag (oz/t)	Cu (%)
4	99RE84	1.14	0.033	-	-	-
5	99RE85	4.45	0.130	-	-	4.60
6	99RE86	-	-	40.0	1.17	10.30
7	99RE87	1.42	0.041	35.4	1.03	10.95
9	99RE89	2.72	0.079	35.9	1.05	3.71
10	99RE90	2.06	0.060	35.6	1.04	13.20
13	99RE93	1.38	0.040	-	-	5.72
14	99RE94	-	-	-	-	2.64
15	99RE95	-	-	-	-	1.12
QC/DATA:						
Standard:						
STD-M		1.31	0.038	-	-	-
Mp-IA		-	-	-	-	1.44

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B.C. Certified Assayer

XLS/99

20-Aug-99

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ICP CERTIFICATE OF ANALYSIS AK 99-364

ED FREY
PO BOX 1437
KAMLOOPS, BC
V2C 6L7

ATTENTION: ED FREY

No. of samples received: 5
Sample type: Rock
PROJECT #: None Given
SHIPMENT #: None Given
Samples submitted by: Ed Frey

Values in ppm unless otherwise reported

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	99RE1	<5	0.4	0.11	<5	30	<5	2.65	1	6	126	11	2.01	<10	0.09	862	5	0.01	11	340	12	<5	<20	69	<0.01	<10	2	<10	<1	24
2	99RE2	20	0.4	0.04	<5	15	<5	0.03	<1	<1	136	5	0.30	<10	<0.01	26	14	<0.01	3	550	8	<5	<20	1	<0.01	<10	18	<10	1	<1
3	99RE5	<5	<0.2	2.20	<5	25	15	0.67	<1	30	90	61	4.36	<10	1.75	677	<1	0.03	45	640	8	10	<20	5	0.22	<10	77	<10	34	50
4	99RE6	<5	<0.2	2.41	<5	40	10	0.99	<1	32	67	56	4.91	<10	1.65	662	<1	0.03	41	790	8	10	<20	2	0.32	<10	97	<10	50	59
5	99RE7	<5	<0.2	1.94	<5	35	10	0.65	<1	28	45	51	4.05	<10	1.31	639	<1	0.03	28	670	6	10	<20	9	0.25	<10	75	<10	47	49
QC DATA:																														
Resplit:																														
1	99RE1	<5	0.2	0.11	<5	25	<5	2.51	<1	6	137	10	1.89	<10	0.09	818	5	0.01	11	330	12	<5	<20	66	<0.01	<10	2	<10	<1	21
Repeat:																														
1	99RE1	<5	0.4	0.12	<5	25	5	2.62	<1	6	124	11	1.99	<10	0.10	843	5	0.01	11	330	12	<5	<20	66	<0.01	<10	2	<10	2	24
Standard:																														
GEO'99		120	1.2	1.78	60	150	<5	1.84	<1	20	64	86	3.82	<10	0.96	645	<1	0.02	25	690	22	5	<20	54	0.09	<10	76	<10	7	65

df/337
XLS/99

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B.C. Certified Assayer

31-Aug-99

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ICP CERTIFICATE OF ANALYSIS AK 99-390

ED FREY
PO BOX 1437
KAMLOOPS, BC
V2C 6L7

ATTENTION: ED FREY

No. of samples received: 28
Sample type: Rock
PROJECT #: None Given
SHIPMENT #: None Given
Samples submitted by: Ed Frey

Values in ppm unless otherwise reported

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	99RE8	5	<0.2	0.90	<5	55	10	0.62	<1	10	109	4	2.00	20	0.70	356	<1	0.04	12	870	8	<5	<20	55	0.14	<10	43	<10	27	33
2	99RE9	5	<0.2	0.95	5	125	15	0.64	<1	10	97	5	2.18	20	0.72	377	<1	0.05	9	1070	6	5	<20	35	0.16	<10	51	<10	29	34
3	99RE10	<5	<0.2	0.92	<5	245	10	1.07	<1	10	50	19	1.32	<10	0.51	180	<1	0.11	17	730	4	10	<20	14	0.20	<10	44	<10	52	10
4	99RE11	<5	<0.2	0.75	<5	20	<5	1.07	<1	12	55	43	1.39	<10	0.65	231	<1	0.11	17	780	4	10	<20	<1	0.14	<10	51	<10	43	11
5	99RE12	5	<0.2	1.50	<5	30	10	1.49	<1	13	54	58	1.56	<10	0.49	182	<1	0.13	23	760	4	5	<20	21	0.19	<10	62	<10	47	11
6	99RE13	<5	<0.2	1.86	<5	25	15	1.23	<1	21	70	45	2.72	<10	1.28	418	<1	0.10	34	580	6	10	<20	6	0.25	<10	82	<10	52	28
7	99RE14	5	<0.2	0.02	<5	<5	<5	0.02	<1	<1	178	2	0.23	<10	<0.01	32	6	<0.01	5	<10	8	<5	<20	<1	<0.01	<10	1	<10	<1	<1
8	99RE17	<5	<0.2	2.31	<5	35	20	1.64	<1	20	25	4	4.62	<10	0.89	457	<1	0.04	2	1370	8	5	<20	4	0.18	<10	104	<10	89	21
9	99RE18	<5	<0.2	2.46	<5	55	20	1.46	<1	27	33	5	5.30	<10	1.13	606	<1	0.03	10	1470	6	<5	<20	2	0.19	<10	159	<10	76	27
10	99RE19	<5	<0.2	3.15	<5	35	20	2.61	<1	20	33	6	5.29	<10	1.01	772	<1	0.03	1	1480	6	<5	<20	4	0.18	<10	60	<10	100	26
11	99RE20	5	<0.2	2.61	<5	45	15	3.18	<1	6	103	3	3.13	<10	0.17	670	<1	0.03	3	410	8	<5	<20	<1	0.09	<10	2	<10	182	24
12	99RE21	<5	<0.2	1.73	<5	120	15	1.69	<1	6	72	5	3.42	<10	0.22	875	1	0.04	2	570	4	<5	<20	<1	0.08	<10	1	<10	166	39
13	99RE22	<5	<0.2	0.62	<5	175	10	0.50	<1	7	254	6	0.91	20	0.57	170	<1	0.03	36	1260	2	5	<20	<1	0.08	<10	45	<10	72	4
14	99RE23	<5	<0.2	3.34	<5	30	25	2.77	<1	31	148	52	4.26	<10	1.80	751	<1	0.08	51	640	8	10	<20	5	0.37	<10	125	<10	80	48
15	99RE24	5	<0.2	1.17	5	395	<5	0.05	<1	3	66	131	2.35	20	0.85	262	3	<0.01	26	420	6	10	<20	<1	<0.01	<10	31	<10	3	107
16	99RE25	30	<0.2	0.54	<5	65	<5	0.12	<1	11	101	75	2.28	10	0.40	138	2	<0.01	28	730	<2	<5	<20	<1	<0.01	<10	19	<10	12	45
17	99RE26	330	0.8	1.01	<5	140	<5	0.02	<1	4	110	118	2.89	<10	0.60	293	7	<0.01	16	240	8	<5	<20	<1	<0.01	<10	21	<10	<1	107
18	99RE27	<5	<0.2	0.55	<5	170	<5	0.03	<1	2	99	26	1.45	<10	0.38	217	1	<0.01	14	230	6	<5	<20	2	<0.01	<10	12	<10	<1	38
19	99RE28	5	<0.2	1.77	<5	345	5	0.78	<1	17	91	102	3.50	<10	1.18	996	<1	0.03	37	570	14	<5	<20	12	0.17	<10	65	<10	45	72
20	99RE29	35	<0.2	2.31	15	70	<5	1.01	2	97	151	5113	>10	10	1.64	449	24	0.02	50	1500	14	<5	<20	6	0.17	<10	137	<10	8	164

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
21	99RE30	5	<0.2	3.85	<5	540	15	1.29	<1	30	51	96	4.98	<10	2.65	1703	<1	0.16	50	330	10	5	<20	25	0.13	<10	143	<10	21	54
22	99RE31	<5	<0.2	4.56	10	45	<5	3.23	<1	14	72	76	1.53	<10	0.70	293	<1	0.41	29	430	16	10	<20	79	0.09	<10	55	<10	24	13
23	99RE32	5	<0.2	2.26	5	915	5	1.20	<1	13	114	99	3.22	<10	1.46	1797	<1	0.04	43	690	18	15	<20	13	0.14	<10	72	<10	45	123
24	99RE33	<5	<0.2	2.73	<5	75	20	1.42	<1	34	45	65	4.72	<10	2.04	1063	<1	0.04	59	610	10	10	<20	6	0.32	<10	127	<10	69	65
25	99RE34	<5	<0.2	1.25	<5	455	<5	0.97	<1	8	141	71	1.79	<10	0.58	352	<1	0.01	24	590	12	<5	<20	7	0.10	<10	36	<10	37	50
26	99RE35	20	<0.2	0.60	10	340	<5	0.16	<1	6	95	55	2.15	10	0.32	317	4	<0.01	29	930	8	10	<20	15	<0.01	<10	49	<10	17	118
27	99RE36	10	<0.2	0.49	<5	275	<5	0.04	<1	2	62	33	1.42	<10	0.29	311	2	<0.01	12	300	8	5	<20	<1	<0.01	<10	22	<10	<1	38
28	99RE37	10	<0.2	0.90	25	45	20	8.38	<1	49	101	88	7.32	<10	3.10	1607	7	0.01	171	3060	6	15	<20	216	0.02	<10	30	<10	1	116
QC DATA:																														
Resplit:																														
1	99RE8	5	<0.2	0.88	<5	50	10	0.66	<1	10	110	4	1.97	20	0.69	344	<1	0.04	13	860	8	5	<20	51	0.13	<10	41	<10	26	31
Repeat:																														
1	99RE8	5	<0.2	0.87	<5	50	10	0.60	<1	10	104	3	1.94	20	0.68	336	<1	0.04	12	850	6	<5	<20	50	0.13	<10	41	<10	24	31
10	99RE19	<5	<0.2	3.11	<5	30	20	2.57	<1	21	33	6	5.29	<10	1.00	777	<1	0.03	2	1470	8	<5	<20	2	0.17	<10	59	<10	102	27
19	99RE28	5	<0.2	1.77	<5	360	5	0.80	<1	17	99	103	3.51	<10	1.17	999	<1	0.03	40	580	14	5	<20	13	0.18	<10	65	<10	49	72
Standard:																														
GEO'99		115	1.0	1.80	50	150	10	1.86	<1	18	64	84	3.82	<10	0.96	646	<1	0.02	25	680	22	<5	<20	55	0.10	<10	71	<10	9	67

df/405
XLS/99

per ECO-TECH LABORATORIES LTD.
Frank J. Pezzotti, A.Sc.T.
B.C. Certified Assayer

8-Sep-99

ECO-TECH LABORATORIES LTD.
10041 East Trans Canada Highway
KAMLOOPS, B.C.
V2C 6T4

Phone: 250-573-5700
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ICP CERTIFICATE OF ANALYSIS AK 99-432

ED FREY
PO BOX 1437
KAMLOOPS, BC
V2C 6L7

ATTENTION: ED FREY

No. of samples received: 41
Sample type: Rock
PROJECT #: None Given
SHIPMENT #: None Given
Samples submitted by: Ed Frey

Values in ppm unless otherwise reported

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	99RE38	5	0.6	0.49	<5	125	<5	0.16	2	9	41	71	3.08	<10	0.13	356	9	0.03	20	840	8	<5	<20	40	<0.01	<10	19	<10	<1	148
2	99RE39	5	0.2	1.46	<5	110	<5	0.20	<1	11	38	78	3.38	10	1.11	307	6	<0.01	15	1160	22	5	<20	22	<0.01	<10	31	<10	<1	106
3	99RE40	5	0.6	1.10	<5	80	<5	1.15	5	15	60	113	4.03	10	0.71	430	14	0.01	47	1150	8	5	<20	99	<0.01	<10	43	<10	<1	338
4	99RE41	10	<0.2	0.78	65	120	<5	0.14	3	6	56	35	3.60	10	0.25	302	28	0.01	42	750	12	<5	<20	15	<0.01	<10	59	<10	<1	440
5	99RE42	<5	<0.2	1.73	<5	115	<5	0.71	<1	22	65	93	3.15	<10	1.32	497	<1	0.02	20	1230	4	15	<20	45	0.11	<10	46	<10	6	48
6	99RE43	5	0.2	1.47	<5	110	10	0.13	<1	5	34	27	3.79	<10	1.13	184	5	0.03	5	1260	10	<5	<20	21	<0.01	<10	37	<10	<1	59
7	99RE44	<5	<0.2	2.58	<5	250	5	0.57	<1	27	202	89	3.22	<10	2.58	717	<1	0.02	79	1040	6	20	<20	41	0.10	<10	43	<10	<1	43
8	99RE45	5	0.4	1.39	<5	130	<5	0.18	<1	8	40	70	4.05	<10	0.93	292	5	0.02	15	1180	10	<5	<20	26	<0.01	<10	26	<10	<1	61
9	99RE46	<5	<0.2	2.56	<5	75	15	0.88	<1	26	32	55	4.67	<10	1.86	746	<1	0.03	28	490	6	10	<20	3	0.16	<10	88	<10	37	48
10	99RE47	<5	<0.2	2.21	<5	80	15	1.61	<1	26	98	33	2.97	30	2.19	511	<1	0.08	102	1790	8	20	<20	167	0.22	<10	68	<10	48	53
11	99RE48	<5	<0.2	2.77	<5	60	20	1.55	<1	31	26	83	5.11	<10	1.56	677	<1	0.03	24	700	10	15	<20	13	0.26	<10	124	<10	65	66
12	99RE49	<5	<0.2	3.32	<5	60	25	1.22	<1	34	30	67	5.89	10	2.22	828	<1	0.07	47	660	8	<5	<20	16	0.24	<10	120	<10	50	69
13	99RE50	<5	<0.2	2.31	<5	40	20	1.06	<1	30	80	64	3.76	<10	2.10	530	<1	0.05	60	440	8	10	<20	13	0.26	<10	87	<10	42	47
14	99RE51	<5	<0.2	1.92	<5	55	10	0.75	<1	30	93	67	3.33	<10	1.91	469	<1	0.04	60	500	6	20	<20	4	0.25	<10	62	<10	35	45
15	99RE52	<5	<0.2	1.68	<5	20	10	0.97	<1	23	102	68	2.40	<10	1.36	409	<1	0.06	43	370	6	15	<20	11	0.25	<10	53	<10	40	32
16	99RE53	<5	<0.2	1.68	<5	55	15	0.83	<1	24	84	58	2.75	<10	1.51	470	<1	0.05	42	460	8	10	<20	7	0.28	<10	66	<10	45	40
17	99RE54	<5	<0.2	4.63	<5	65	15	6.18	1	45	228	49	7.86	20	4.71	1320	3	0.01	93	1200	4	10	<20	232	0.02	<10	249	<10	<1	87
18	99RE55	<5	<0.2	2.16	<5	40	10	>10	<1	15	81	48	3.74	10	1.56	1290	4	0.01	16	720	26	15	<20	386	<0.01	<10	52	<10	<1	47
19	99RE57	<5	0.2	1.62	<5	70	5	1.86	<1	18	26	13	3.63	20	0.65	662	3	0.02	2	1040	20	5	<20	57	<0.01	<10	17	<10	<1	91
20	99RE58	<5	<0.2	1.65	<5	165	<5	0.42	<1	21	29	148	4.43	10	0.49	542	4	0.01	8	1810	12	<5	<20	20	<0.01	<10	24	<10	<1	73
21	99RE59	<5	<0.2	2.68	<5	70	15	1.45	<1	18	34	52	5.31	10	1.26	418	4	0.01	12	1430	6	5	<20	61	<0.01	<10	39	<10	<1	111
22	99RE60	<5	<0.2	2.87	<5	80	10	4.70	<1	28	365	13	5.34	20	2.21	929	2	0.01	90	1390	8	10	<20	221	<0.01	<10	104	<10	<1	60
23	99RE61	5	<0.2	1.89	<5	60	20	4.73	<1	22	294	17	3.99	10	1.39	848	4	<0.01	79	1340	8	5	<20	172	<0.01	<10	61	<10	4	40
24	99RE62	5	<0.2	0.16	<5	45	<5	0.14	<1	3	115	4	0.59	20	0.02	93	3	<0.01	7	520	<2	<5	<20	9	<0.01	<10	2	<10	3	6
25	99RE63	<5	<0.2	0.05	5	15	<5	0.02	<1	3	136	19	0.47	<10	<0.01	397	6	<0.01	9	30	6	<5	<20	1	<0.01	<10	1	<10	<1	8

Et #	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
26	99RE64	<5	<0.2	0.05	<5	20	<5	0.01	<1	4	137	13	0.53	<10	<0.01	323	3	0.01	9	60	<2	<5	<20	1	<0.01	<10	1	<10	<1	3
27	99RE66	<5	<0.2	2.21	<5	295	10	1.47	<1	23	50	76	5.40	30	2.31	1126	1	0.03	11	1180	22	5	<20	246	0.11	<10	213	<10	5	70
28	99RE67	5	<0.2	2.48	<5	185	15	1.14	<1	27	30	43	6.28	20	2.58	1120	4	0.03	8	1310	14	10	<20	175	0.03	<10	205	<10	<1	79
29	99RE68	5	<0.2	1.76	10	150	10	2.11	<1	23	56	54	5.14	40	1.92	1187	4	0.03	16	1220	8	<5	<20	311	0.02	<10	187	<10	<1	76
30	99RE69	<5	<0.2	1.35	5	680	10	1.29	<1	23	32	68	3.53	40	0.88	836	<1	0.02	7	1390	52	<5	<20	247	0.08	<10	120	<10	21	74
31	99RE70	<5	<0.2	2.03	<5	200	<5	2.22	<1	19	56	70	5.06	60	1.99	854	5	0.02	15	1590	10	5	<20	169	<0.01	<10	111	<10	8	74
32	99RE71	<5	<0.2	2.33	<5	290	10	2.81	<1	23	18	53	6.03	40	2.61	1064	5	0.03	6	1630	28	10	<20	571	<0.01	<10	124	<10	<1	74
33	99RE72	15	1.0	0.52	<5	165	5	0.06	<1	3	58	37	2.92	10	0.18	74	13	<0.01	11	610	68	<5	<20	35	<0.01	<10	24	<10	<1	85
34	99RE73	5	<0.2	0.20	<5	125	<5	1.56	<1	5	52	7	1.34	20	0.04	470	3	0.03	3	520	4	<5	<20	115	<0.01	<10	4	<10	12	17
35	99RE74	<5	0.4	3.32	20	205	5	4.63	1	39	79	155	6.97	50	2.93	1497	5	<0.01	32	2880	16	10	<20	392	<0.01	<10	89	<10	2	90
36	99RE75	10	0.8	0.38	5	120	5	0.05	<1	2	63	10	1.86	<10	0.13	51	4	<0.01	13	520	18	<5	<20	21	<0.01	<10	17	<10	<1	46
37	99RE79	15	0.4	0.26	<5	105	<5	0.38	<1	1	98	7	0.82	10	<0.01	65	4	0.05	5	270	22	<5	<20	79	<0.01	<10	2	<10	6	<1
38	99RE80	10	0.2	0.15	<5	50	<5	1.36	<1	3	56	6	1.28	10	0.04	451	4	0.01	2	110	6	<5	<20	46	<0.01	<10	2	<10	2	16
39	99RE81	10	0.2	0.23	<5	115	<5	1.25	<1	4	52	11	1.29	<10	0.03	618	2	<0.01	4	240	6	<5	<20	33	<0.01	<10	1	<10	7	15
40	99RE82	20	0.4	0.20	<5	75	<5	0.03	<1	<1	27	4	0.49	<10	<0.01	21	2	0.01	3	190	22	<5	<20	23	<0.01	<10	4	<10	4	<1
41	99RE83	5	0.4	0.10	<5	40	<5	8.29	<1	4	72	23	3.96	20	3.08	1739	4	0.02	3	320	16	25	<20	552	<0.01	<10	16	<10	13	66
QC DATA:																														
Resplit:																														
1	99RE38	5	0.6	0.50	<5	115	<5	0.19	1	9	38	69	3.25	10	0.14	357	9	0.02	21	870	8	<5	<20	40	<0.01	<10	20	<10	<1	153
36	99RE75	10	0.8	0.35	<5	110	5	0.06	<1	2	58	10	1.94	<10	0.13	51	5	<0.01	14	560	16	<5	<20	21	<0.01	<10	16	<10	<1	48
Repeat:																														
1	99RE38	5	0.6	0.49	<5	120	<5	0.16	1	9	40	68	3.09	<10	0.13	357	9	0.03	20	830	6	<5	<20	34	<0.01	<10	19	<10	<1	147
10	99RE47	<5	<0.2	2.29	<5	75	15	1.75	<1	27	100	33	3.04	30	2.25	533	<1	0.09	103	1830	8	20	<20	183	0.23	<10	72	<10	49	52
19	99RE57	<5	<0.2	1.59	<5	65	<5	1.82	<1	18	25	13	3.58	20	0.64	656	4	0.02	3	1010	18	5	<20	55	<0.01	<10	18	<10	<1	89
36	99RE75	-	1.2	0.40	<5	125	<5	0.09	<1	2	65	10	1.89	<10	0.15	59	4	<0.01	14	530	18	<5	<20	21	<0.01	<10	18	<10	<1	46
Standard:																														
GEO'99		125	1.2	1.78	65	170	10	1.87	<1	18	58	91	3.85	10	0.98	679	<1	0.02	22	680	22	10	<20	58	0.10	<10	73	<10	8	72
GEO'99		125	1.4	1.76	65	170	<5	1.82	<1	20	54	87	3.86	10	0.92	653	<1	0.02	25	660	24	10	<20	56	0.08	<10	76	<10	9	69

df/432
XLS/99

per ECO-TECH LABORATORIES LTD.
Frank J. Pezzotti, A.Sc.T.
B.C. Certified Assayer

17-Sep-99

ECO-TECH LABORATORIES LTD.
10041 East Trans Canada Highway
KAMLOOPS, B.C.
V2C 6T4

Phone: 250-573-5700
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ICP CERTIFICATE OF ANALYSIS AK 99-465R

ED FREY
PO BOX 1437
KAMLOOPS, BC
V2C 6L7

ATTENTION: ED FREY

No. of samples received: 19
Sample type: Rock
PROJECT #: None Given
SHIPMENT #: None Given
Samples submitted by: E. Frey

Values in ppm unless otherwise reported

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	99RE76	30	<0.2	0.13	15	55	<5	0.09	<1	5	113	60	3.84	<10	0.02	69	15	0.01	17	810	10	<5	<20	40	<0.01	<10	22	<10	<1	156
2	99RE77	10	0.2	0.03	5	15	<5	0.04	<1	<1	110	10	0.56	<10	<0.01	39	12	<0.01	5	360	50	<5	<20	12	<0.01	<10	9	<10	1	47
3	99RE78	10	<0.2	0.02	5	5	<5	0.02	<1	<1	162	16	0.56	<10	<0.01	42	18	<0.01	6	300	62	<5	<20	12	<0.01	<10	13	<10	<1	58
4	99RE84	>1000	28.0	0.16	200	245	<5	0.05	1	13	103	2649	3.89	10	<0.01	72	71	0.01	3	610	678	90	20	42	0.02	<10	14	<10	<1	101
5	99RE85	>1000	29.2	0.09	1090	90	<5	0.01	11	124	45	>10000	>10	<10	<0.01	7	113	<0.01	13	>10000	184	<5	<20	2	<0.01	10	21	<10	<1	1541
6	99RE86	920	>30	0.45	255	90	<5	0.01	4	73	89	>10000	>10	<10	0.10	60	217	<0.01	11	>10000	80	<5	<20	2	<0.01	10	177	<10	<1	500
7	99RE87	>1000	>30	0.23	395	100	<5	0.06	15	115	69	>10000	>10	<10	<0.01	23	317	<0.01	11	>10000	360	35	<20	<1	<0.01	10	46	<10	<1	2550
8	99RE88	45	1.0	2.74	175	195	<5	0.32	2	11	267	6188	6.83	<10	2.10	974	16	<0.01	49	2700	64	10	<20	15	<0.01	<10	155	<10	9	276
9	99RE89	>1000	>30	0.05	330	80	<5	0.01	4	148	49	>10000	>10	<10	<0.01	10	116	<0.01	6	>10000	142	<5	<20	1	<0.01	10	6	<10	<1	352
10	99RE90	>1000	>30	0.25	380	110	<5	0.03	11	228	62	>10000	>10	<10	<0.01	15	333	<0.01	17	>10000	512	70	<20	15	<0.01	10	43	<10	<1	1677
11	99RE91	45	<0.2	1.03	10	610	<5	0.09	<1	1	87	470	2.80	<10	0.68	257	8	<0.01	11	190	14	<5	<20	4	<0.01	<10	38	<10	<1	43
12	99RE92	340	6.2	0.93	205	115	<5	0.02	2	12	195	2403	>10	<10	0.41	19	119	<0.01	7	2310	56	<5	<20	3	<0.01	10	264	<10	<1	215
13	99RE93	>1000	27.7	0.06	320	90	<5	0.01	3	166	75	>10000	>10	<10	<0.01	12	57	<0.01	10	>10000	116	15	<20	<1	<0.01	10	13	<10	<1	199
14	99RE94	75	4.0	0.06	<5	95	<5	0.02	3	101	8	>10000	>10	<10	<0.01	321	106	<0.01	7	<10	<2	<5	<20	3	<0.01	10	4	<10	<1	130
15	99RE95	50	3.4	0.24	<5	115	<5	0.03	2	41	3	>10000	>10	<10	0.13	864	132	<0.01	2	<10	<2	<5	<20	2	<0.01	10	13	<10	<1	110
16	99RE96	30	1.0	0.05	<5	105	<5	0.02	2	80	8	6455	>10	<10	0.19	849	138	<0.01	4	<10	<2	<5	<20	4	<0.01	10	6	<10	<1	62
17	99RE97	75	3.0	1.30	75	305	<5	0.09	1	45	97	5319	>10	<10	0.52	401	175	<0.01	17	260	4	<5	<20	6	0.01	10	69	<10	<1	219
18	99RE98	15	0.4	2.19	20	875	<5	0.16	<1	7	94	1251	7.57	<10	2.33	241	36	<0.01	24	290	8	10	<20	4	<0.01	10	66	<10	<1	90
19	99RE99	10	<0.2	1.78	5	95	<5	0.13	<1	10	73	361	4.57	<10	1.24	963	7	<0.01	35	770	10	10	<20	<1	<0.01	<10	88	<10	<1	35

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
Resplit:																														
1	99RE76	35	0.2	0.15	20	60	<5	0.09	1	6	117	70	4.07	<10	0.03	78	15	0.01	18	890	10	<5	<20	42	<0.01	<10	24	<10	<1	169
Repeat:																														
1	99RE76	35	<0.2	0.13	20	55	<5	0.09	<1	6	109	74	3.81	<10	0.02	66	15	0.01	16	820	12	<5	<20	40	<0.01	<10	22	<10	<1	157
10	99RE90	>1000	>30	0.24	370	110	<5	0.03	10	226	58	>10000	>10	<10	<0.01	15	325	<0.01	16	>10000	486.	65	<20	15	<0.01	60	40	<10	<1	1585
Standard:																														
GEO'99		115	1.0	1.71	65	150	<5	1.79	<1	18	62	93	3.85	<10	0.96	647	<1	0.02	25	690	20	10	<20	60	0.07	<10	74	<10	8	68

df/465
XLS/99

per
ECO-TECH LABORATORIES LTD.
Frank J. Pezzotti, A.Sc.T.
B.C. Certified Assayer

6-Oct-99

ECO-TECH LABORATORIES LTD.
10041 East Trans Canada Highway
KAMLOOPS, B.C.
V2C 6T4

Phone: 250-573-5700
Fax : 250-573-4557

ICP CERTIFICATE OF ANALYSIS AK 99-536

ED FREY
PO BOX 1437
KAMLOOPS, BC
V2C 6L7

ATTENTION: ED FREY

No. of samples received: 53
Sample type: Rock
PROJECT #: None Given
SHIPMENT #: None Given
Samples submitted by: Ed Frey

Values in ppm unless otherwise reported

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	99RE100	<5	<0.2	1.13	<5	185	5	0.33	<1	9	85	58	2.21	<10	0.77	449	<1	0.01	15	400	8	10	<20	8	0.06	<10	16	<10	26	46
2	99RE101	<5	<0.2	3.07	<5	25	10	2.76	<1	26	45	73	4.17	<10	1.44	566	<1	0.04	29	620	6	15	<20	5	0.20	<10	133	<10	55	49
3	99RE102	5	<0.2	3.06	<5	25	20	1.87	<1	30	32	76	5.08	<10	1.80	728	<1	0.05	32	590	6	15	<20	8	0.20	<10	134	<10	56	60
4	99RE103	5	<0.2	3.19	<5	40	25	1.75	<1	36	70	79	5.56	<10	1.92	933	<1	0.04	43	630	8	15	<20	8	0.13	<10	194	<10	78	63
5	99RE104	<5	<0.2	2.88	<5	55	15	2.11	<1	26	34	65	4.31	<10	1.53	712	<1	0.05	31	610	6	15	<20	7	0.20	<10	122	<10	50	55
6	99RE105	5	<0.2	2.21	<5	45	20	2.91	<1	24	115	34	3.84	<10	2.11	903	<1	0.02	44	450	6	20	<20	27	0.07	<10	84	<10	39	33
7	99RE106	5	<0.2	3.86	5	40	35	1.95	<1	38	38	77	6.05	<10	2.29	964	<1	0.03	28	630	12	25	<20	2	0.39	<10	163	<10	70	64
8	99RE107	<5	<0.2	1.88	<5	15	10	0.81	<1	18	127	5	2.24	10	1.00	312	<1	0.31	33	510	8	15	<20	<1	0.14	<10	42	<10	37	13
9	99RE108	5	<0.2	3.31	5	30	20	2.45	<1	25	36	66	4.40	<10	1.59	699	<1	0.07	24	550	10	20	<20	5	0.14	<10	110	<10	48	54
10	99RE109	<5	<0.2	3.12	<5	20	20	2.14	<1	31	31	70	4.67	<10	1.83	634	<1	0.04	34	630	12	15	<20	5	0.18	<10	87	<10	54	55
11	99RE110	<5	<0.2	4.00	5	25	30	2.43	<1	36	46	82	5.50	<10	2.37	827	<1	0.04	33	620	10	25	<20	3	0.24	<10	127	<10	69	59
12	99RE111	<5	<0.2	3.42	<5	30	25	2.07	<1	31	20	67	5.27	<10	1.64	698	<1	0.08	29	710	10	15	<20	15	0.19	<10	100	<10	60	61
13	99RE112	15	<0.2	3.31	10	45	25	4.51	<1	28	62	44	4.57	<10	2.33	957	<1	<0.01	29	440	8	20	<20	27	0.19	<10	132	<10	69	42
14	99RE113A	85	0.2	2.35	40	40	10	1.01	<1	31	177	53	5.28	<10	1.65	988	2	0.01	59	510	6	15	<20	4	0.03	<10	182	<10	51	58
15	99RE113B	5	<0.2	3.04	<5	20	25	2.81	<1	29	74	56	3.65	<10	1.73	609	<1	0.07	54	580	10	20	<20	8	0.18	<10	72	<10	59	49
16	99RE114	5	<0.2	0.65	<5	145	<5	0.24	<1	6	98	5	1.50	10	0.44	340	<1	0.04	9	360	8	5	<20	17	0.05	<10	25	<10	16	33
17	99RE115	80	1.0	2.50	<5	55	<5	3.13	<1	16	271	504	6.22	<10	0.40	198	5	0.21	30	5680	30	<5	<20	93	0.04	<10	354	<10	19	25
18	99RE116	<5	<0.2	2.51	<5	15	10	2.03	<1	14	63	50	1.34	<10	0.66	191	<1	0.08	24	660	10	15	<20	21	0.10	<10	24	<10	35	14
19	99RE117	<5	<0.2	2.01	<5	20	25	0.82	<1	31	113	44	3.49	<10	1.65	633	<1	0.03	46	640	8	15	<20	7	0.22	<10	41	<10	37	62
20	99RE118A	5	<0.2	2.29	<5	30	25	0.70	<1	32	74	51	4.53	<10	1.79	716	<1	0.03	43	810	10	10	<20	4	0.19	<10	64	<10	46	66
21	99RE118B	5	<0.2	2.19	<5	15	25	0.80	<1	31	88	47	3.97	<10	1.84	587	<1	0.02	44	670	8	15	<20	<1	0.26	<10	57	<10	39	53
22	99RE119	5	<0.2	2.37	<5	30	20	0.76	<1	31	93	49	4.40	<10	2.00	728	<1	0.04	42	700	8	20	<20	2	0.16	<10	68	<10	42	61
23	99RE121	5	<0.2	2.85	<5	35	15	1.12	<1	32	38	74	4.77	<10	2.23	718	<1	0.04	57	620	10	25	<20	8	0.20	<10	76	<10	38	55
24	99RE122	5	<0.2	3.30	<5	35	30	1.27	<1	38	32	74	5.25	<10	2.53	933	<1	0.08	68	670	12	15	<20	8	0.32	<10	110	<10	53	61
25	99RE123	<5	<0.2	2.75	<5	45	20	1.30	<1	31	36	66	4.74	<10	1.88	817	<1	0.08	44	420	8	15	<20	8	0.14	<10	90	<10	38	59

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
26	99RE124	10	<0.2	4.14	<5	30	20	4.96	<1	25	59	118	3.51	<10	1.07	460	<1	0.01	30	430	10	15	<20	3	0.13	<10	93	<10	42	30
27	99RE125	10	<0.2	3.67	<5	25	25	2.52	<1	34	82	74	5.06	<10	2.24	813	<1	0.07	53	710	12	25	<20	5	0.20	<10	94	<10	67	60
28	99RE126	5	<0.2	2.57	<5	25	15	1.49	<1	29	30	58	4.30	<10	1.94	670	<1	0.08	50	590	8	15	<20	5	0.24	<10	89	<10	41	50
29	99RE127	120	<0.2	3.26	10	50	15	3.18	<1	21	66	48	3.32	<10	1.27	628	<1	0.02	24	490	10	20	<20	<1	0.18	<10	95	<10	37	37
30	99RE128	10	0.6	0.73	<5	70	<5	0.55	8	16	36	84	4.11	<10	0.40	436	10	0.02	27	1080	6	<5	<20	84	<0.01	<10	35	<10	<1	357
31	99RE129	5	<0.2	0.04	<5	<5	<5	0.02	<1	1	129	13	0.58	<10	<0.01	34	5	<0.01	8	10	<2	<5	<20	<1	<0.01	<10	1	<10	<1	38
32	99RE130	10	<0.2	0.02	<5	<5	<5	0.07	<1	<1	172	4	0.28	<10	<0.01	62	5	<0.01	6	<10	<2	<5	<20	<1	<0.01	<10	<1	<10	<1	5
33	99RE131	15	0.8	0.58	<5	60	<5	0.13	1	5	66	35	1.99	<10	0.33	140	16	0.02	13	850	6	<5	<20	8	<0.01	<10	30	<10	2	139
34	99RE132	20	0.2	1.57	60	95	10	1.93	<1	12	52	69	3.31	<10	1.15	557	2	0.01	11	1070	14	10	<20	178	0.07	<10	38	<10	16	68
35	99RE133	10	0.2	2.06	<5	70	5	1.98	<1	22	43	122	4.25	<10	1.46	867	5	0.02	29	1260	6	10	<20	133	<0.01	<10	44	<10	3	76
36	99RE134	10	<0.2	2.25	<5	90	<5	0.27	<1	16	48	129	4.82	<10	1.54	353	5	0.02	20	1230	12	5	<20	34	<0.01	<10	46	<10	<1	92
37	99RE135	15	0.4	0.32	<5	90	<5	0.13	2	18	40	112	4.03	<10	0.03	372	20	0.02	55	840	6	<5	<20	15	<0.01	<10	14	<10	<1	425
38	99RE136	10	<0.2	0.03	<5	<5	<5	0.08	<1	<1	114	10	0.29	<10	<0.01	39	3	<0.01	5	30	<2	<5	<20	2	<0.01	<10	1	<10	<1	15
39	99RE137	10	<0.2	1.65	<5	80	<5	0.83	<1	11	60	84	3.68	<10	1.45	275	5	0.01	19	1170	10	10	<20	49	0.01	<10	49	<10	<1	54
40	99RE138	5	<0.2	0.29	<5	10	<5	0.03	<1	3	75	3	0.80	10	0.09	198	2	<0.01	9	110	6	<5	<20	<1	<0.01	<10	2	<10	<1	15
41	99RE139	5	<0.2	0.18	<5	<5	<5	0.02	<1	3	162	7	0.68	<10	0.04	471	4	<0.01	10	70	12	<5	<20	<1	<0.01	<10	2	<10	<1	10
42	99RE140	5	<0.2	3.75	<5	70	25	4.50	<1	47	202	2	9.19	<10	3.53	1330	6	0.03	113	670	6	5	<20	164	<0.01	<10	148	<10	<1	82
43	99RE141	<5	<0.2	0.17	<5	25	<5	0.71	<1	2	150	4	0.63	10	0.04	422	4	0.01	7	200	26	<5	<20	47	<0.01	<10	1	<10	5	8
44	99RE142	5	<0.2	0.54	<5	15	<5	0.04	<1	5	108	8	1.34	<10	0.21	332	3	0.01	13	120	10	<5	<20	<1	<0.01	<10	4	<10	<1	26
45	99RE143	<5	<0.2	2.12	<5	40	20	1.14	<1	41	183	48	3.00	<10	1.95	636	<1	0.01	52	620	8	20	<20	42	0.37	<10	68	<10	28	82
46	99RE144	5	0.2	0.42	<5	20	<5	0.05	<1	8	99	15	0.82	10	0.15	1131	3	0.02	12	130	12	<5	<20	2	<0.01	<10	3	<10	3	22
47	99RE146	5	<0.2	1.75	15	35	<5	0.08	<1	18	61	44	3.95	20	0.84	1057	4	0.01	33	310	28	<5	<20	4	0.02	<10	14	<10	<1	75
48	99RE147	15	<0.2	0.14	<5	<5	<5	0.09	<1	4	191	59	0.59	<10	0.05	241	5	0.01	8	30	16	<5	<20	2	<0.01	<10	<1	<10	<1	5
49	99RE148	<5	<0.2	1.08	<5	25	<5	0.04	<1	25	68	71	3.00	10	0.56	758	5	0.01	22	200	60	<5	<20	3	0.01	<10	7	<10	<1	55
50	99RE149	<5	0.4	0.83	<5	5	<5	0.43	<1	10	147	9	1.89	<10	0.45	2897	5	0.01	14	350	98	5	<20	22	<0.01	<10	6	<10	<1	39
51	99RE150	<5	<0.2	2.48	<5	30	15	1.01	<1	26	51	68	3.54	<10	1.97	592	<1	0.04	40	330	10	20	<20	10	0.17	<10	80	<10	19	46
52	99RE151	<5	<0.2	2.58	<5	20	20	1.56	<1	28	59	61	4.09	<10	1.82	643	<1	0.08	52	480	10	10	<20	2	0.25	<10	87	<10	40	49
53	99RE152	<5	<0.2	1.77	<5	420	10	0.72	<1	14	86	35	2.90	<10	1.38	822	<1	0.05	27	700	8	15	<20	7	0.12	<10	61	<10	26	44

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
QC DATA:																														
Resplit:																														
1	99RE100	10	<0.2	1.24	<5	205	10	0.39	<1	10	86	60	2.35	<10	0.83	469	<1	0.01	15	450	12	15	<20	6	0.09	<10	20	<10	30	48
36	99RE134	15	<0.2	2.30	<5	80	<5	0.27	<1	16	45	127	4.88	<10	1.59	335	5	0.02	19	1230	14	15	<20	30	<0.01	<10	47	<10	<1	94
Repeat:																														
1	99RE100	5	<0.2	1.24	<5	200	5	0.39	<1	10	91	61	2.35	<10	0.82	471	<1	0.02	15	440	10	15	<20	6	0.08	<10	20	<10	28	48
10	99RE109	<5	<0.2	3.21	<5	20	25	2.25	<1	31	31	71	4.72	<10	1.85	642	<1	0.04	37	630	12	15	<20	6	0.19	<10	87	<10	58	55
19	99RE117	5	<0.2	2.03	<5	20	30	0.86	<1	31	118	44	3.51	<10	1.65	653	<1	0.03	46	640	8	15	<20	9	0.24	<10	38	<10	39	62
36	99RE134	15	<0.2	2.24	5	80	<5	0.27	<1	16	48	129	4.81	<10	1.53	352	5	0.02	20	1260	14	10	<20	29	<0.01	<10	45	<10	<1	92
45	99RE143	-	<0.2	1.97	<5	40	20	1.06	<1	38	172	45	2.82	<10	1.84	604	<1	0.01	50	590	8	20	<20	39	0.35	<10	64	<10	24	78
Standard:																														
GEO'99		135	1.0	1.80	65	150	5	1.80	1	20	64	85	3.82	<10	0.98	649	<1	0.02	25	680	24	10	<20	52	0.09	<10	76	<10	8	68
GEO'99		125	0.8	1.82	65	145	<5	1.81	<1	18	65	85	3.85	<10	0.96	655	<1	0.02	25	680	22	10	<20	58	0.09	<10	76	<10	8	70

df/484
XLS/99

ECO-TECH LABORATORIES LTD.
Frank J. Pezzotti, A.Sc.T.
B.C. Certified Assayer

15-Oct-99

ECO-TECH LABORATORIES LTD.
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ICP CERTIFICATE OF ANALYSIS AK 99-561

ED FREY
PO BOX 1437
KAMLOOPS, BC
V2C 6L7

ATTENTION: ED FREY

No. of samples received: 18
Sample type: Rock
PROJECT #: None Given
SHIPMENT #: None Given
Samples submitted by: E. Frey

Values in ppm unless otherwise reported

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	99RE153	<5	<0.2	2.92	<5	20	10	3.02	<1	29	81	64	4.58	<10	1.45	669	<1	0.05	29	480	12	<5	<20	7	0.34	<10	135	<10	46	60
2	99RE154	<5	<0.2	3.26	<5	45	10	2.59	<1	40	114	59	5.91	<10	2.31	936	<1	0.08	66	590	18	<5	<20	13	0.49	<10	189	<10	72	67
3	99RE155	<5	<0.2	2.94	<5	65	20	1.72	<1	45	85	63	6.59	<10	2.47	992	<1	0.03	61	640	16	<5	<20	12	0.57	<10	208	<10	84	75
4	99RE156	<5	<0.2	3.83	<5	60	20	2.73	<1	48	167	54	6.97	<10	2.73	1189	<1	0.03	76	650	20	<5	<20	24	0.59	<10	228	<10	86	76
5	99RE157	<5	<0.2	3.23	<5	40	10	2.82	<1	38	127	62	5.77	<10	2.33	919	<1	0.05	64	550	20	10	<20	17	0.44	<10	170	<10	62	80
6	99RE158	<5	<0.2	2.84	<5	30	<5	2.91	<1	30	120	49	4.27	<10	1.68	624	<1	0.03	49	490	16	5	<20	7	0.32	<10	136	<10	44	53
7	99RE159	<5	<0.2	3.24	<5	35	10	2.03	<1	38	39	58	6.68	<10	1.97	1050	<1	0.01	32	570	18	<5	<20	5	0.36	<10	163	<10	44	79
8	99RE160	330	0.4	1.22	60	45	<5	2.88	<1	18	50	23	4.07	<10	0.92	736	4	0.01	21	260	6	15	<20	15	0.01	<10	116	<10	9	40
9	99RE161	15	<0.2	2.07	<5	40	10	3.27	<1	22	42	46	3.91	<10	1.14	691	<1	0.04	17	340	10	<5	<20	11	0.28	<10	127	<10	52	50
10	99RE162	<5	<0.2	1.21	<5	60	<5	0.89	<1	15	81	43	2.81	<10	0.97	761	<1	<0.01	30	300	10	<5	<20	8	0.10	<10	33	<10	25	40
11	99RE163	<5	<0.2	1.30	<5	80	<5	0.30	<1	16	88	72	3.00	<10	0.91	597	<1	<0.01	31	320	10	<5	<20	9	0.08	<10	42	<10	24	58
12	99RE164	<5	<0.2	2.43	<5	30	10	3.15	<1	27	60	48	3.70	<10	1.28	544	<1	0.06	54	570	16	<5	<20	7	0.36	<10	101	<10	55	64
13	99RE165	<5	<0.2	3.54	<5	20	15	3.75	<1	41	78	54	5.74	<10	2.46	705	<1	0.01	43	580	18	<5	<20	3	0.45	<10	141	<10	40	69
14	99RE166	<5	<0.2	2.81	<5	20	10	3.91	<1	29	90	54	4.01	<10	1.39	634	<1	0.06	56	580	16	5	<20	10	0.38	<10	113	<10	55	56
15	99RE167	<5	<0.2	2.27	<5	20	10	3.14	<1	27	63	45	3.71	<10	1.26	583	<1	0.06	53	510	12	<5	<20	8	0.30	<10	95	<10	43	57
16	99RE168	<5	<0.2	2.72	<5	25	15	2.42	<1	45	108	55	5.32	<10	1.88	776	<1	0.05	72	640	26	<5	<20	7	0.39	<10	116	<10	42	75
17	99RE169	10	<0.2	0.32	45	15	<5	1.79	<1	11	119	173	1.70	<10	0.25	370	3	<0.01	20	180	<2	<5	<20	3	<0.01	<10	23	<10	8	20
18	99RE170	30	<0.2	0.30	135	135	<5	0.10	<1	2	83	23	1.30	<10	0.14	178	2	<0.01	7	430	12	<5	<20	<1	<0.01	<10	11	<10	10	14

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
QC DATA:																														
Resplit:																														
1	99RE153	<5	<0.2	3.01	<5	20	10	3.13	<1	31	77	72	4.77	<10	1.50	705	<1	0.05	30	520	14	<5	<20	7	0.36	<10	139	<10	47	62
Repeat:																														
1	99RE153	<5	<0.2	2.85	<5	15	10	2.91	<1	27	71	59	4.20	<10	1.39	629	<1	0.04	28	450	16	<5	<20	6	0.31	<10	130	<10	42	70
10	99RE162	<5	<0.2	1.26	<5	60	<5	0.91	<1	16	84	44	2.89	<10	1.00	788	<1	0.01	32	320	8	5	<20	8	0.11	<10	34	<10	25	40
Standard:																														
GEO'99		120	1.0	1.70	65	150	<5	1.86	<1	20	61	74	3.83	<10	0.97	697	<1	0.01	24	670	22	<5	<20	55	0.11	<10	75	<10	9	85

df/546B
XLS/99

ECO-TECH LABORATORIES LTD.
Frank J. Pezzotti, A.Sc.T.
B.C. Certified Assayer

ROCK SAMPLES
MAP INDEX

20-Aug-99

ECO-TECH LABORATORIES LTD.
10041 East Trans Canada Highway
KAMLOOPS, B.C.
V2C 6T4

Phone: 250-573-5700
Fax : 250-573-4557

ICP CERTIFICATE OF ANALYSIS AK 99-364

ED FREY
PO BOX 1437
KAMLOOPS, BC
V2C 6L7

REF.# 99/2000 P136

ATTENTION: ED FREY

No. of samples received: 5
Sample type: Rock
PROJECT #: None Given
SHIPMENT #: None Given
Samples submitted by: Ed Frey

PROJECT MAP

Values in ppm unless otherwise reported

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
LD-1 1	99RE1	<5	0.4	0.11	<5	30	<5	2.65	1	6	126	11	2.01	<10	0.09	862	5	0.01	11	340	12	<5	<20	69	<0.01	<10	2	<10	<1	24
2	99RE2	20	0.4	0.04	<5	15	<5	0.03	<1	<1	136	5	0.30	<10	<0.01	26	14	<0.01	3	550	8	<5	<20	1	<0.01	<10	18	<10	1	<1
CM-5 3	99RE5	<5	<0.2	2.20	<5	25	15	0.67	<1	30	90	61	4.36	<10	1.75	677	<1	0.03	45	640	8	10	<20	5	0.22	<10	77	<10	34	50
4	99RE6	<5	<0.2	2.41	<5	40	10	0.99	<1	32	67	56	4.91	<10	1.65	662	<1	0.03	41	790	8	10	<20	2	0.32	<10	97	<10	50	59
5	99RE7	<5	<0.2	1.94	<5	35	10	0.65	<1	28	45	51	4.05	<10	1.31	639	<1	0.03	28	670	6	10	<20	9	0.25	<10	75	<10	47	49
QC DATA:																														
Resplit:																														
1	99RE1	<5	0.2	0.11	<5	25	<5	2.51	<1	6	137	10	1.89	<10	0.09	818	5	0.01	11	330	12	<5	<20	66	<0.01	<10	2	<10	<1	21
Repeat:																														
1	99RE1	<5	0.4	0.12	<5	25	5	2.62	<1	6	124	11	1.99	<10	0.10	843	5	0.01	11	330	12	<5	<20	66	<0.01	<10	2	<10	2	24
Standard:																														
GEO'99		120	1.2	1.78	60	150	<5	1.84	<1	20	64	86	3.82	<10	0.96	645	<1	0.02	25	690	22	5	<20	54	0.09	<10	76	<10	7	65

df/337
XLS/99

ECO-TECH LABORATORIES LTD.
per Frank J. Pezzotti, A.Sc.T.
B.C. Certified Assayer

31-Aug-99

ECO-TECH LABORATORIES LTD.
10041 East Trans Canada Highway
KAMLOOPS, B.C.
V2C 6T4

Phone: 250-573-5700
Fax : 250-573-4557

ICP CERTIFICATE OF ANALYSIS AK 99-390

ED FREY
PO BOX 1437
KAMLOOPS, BC
V2C 6L7

ATTENTION: ED FREY

No. of samples received: 28
Sample type: Rock
PROJECT #: None Given
SHIPMENT #: None Given
Samples submitted by: Ed Frey

Values in ppm unless otherwise reported

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	99RE8	5	<0.2	0.90	<5	55	10	0.62	<1	10	109	4	2.00	20	0.70	356	<1	0.04	12	870	8	<5	<20	55	0.14	<10	43	<10	27	33
2	99RE9	5	<0.2	0.95	5	125	15	0.64	<1	10	97	5	2.18	20	0.72	377	<1	0.05	9	1070	6	5	<20	35	0.16	<10	51	<10	29	34
3	99RE10	<5	<0.2	0.92	<5	245	10	1.07	<1	10	50	19	1.32	<10	0.51	180	<1	0.11	17	730	4	10	<20	14	0.20	<10	44	<10	52	10
4	99RE11	<5	<0.2	0.75	<5	20	<5	1.07	<1	12	55	43	1.39	<10	0.65	231	<1	0.11	17	780	4	10	<20	<1	0.14	<10	51	<10	43	11
5	99RE12	5	<0.2	1.50	<5	30	10	1.49	<1	13	54	58	1.56	<10	0.49	182	<1	0.13	23	760	4	5	<20	21	0.19	<10	62	<10	47	11
6	99RE13	<5	<0.2	1.86	<5	25	15	1.23	<1	21	70	45	2.72	<10	1.28	418	<1	0.10	34	580	6	10	<20	6	0.25	<10	82	<10	52	28
7	99RE14	5	<0.2	0.02	<5	<5	<5	0.02	<1	<1	178	2	0.23	<10	<0.01	32	6	<0.01	5	<10	8	<5	<20	<1	<0.01	<10	1	<10	<1	<1
8	99RE17	<5	<0.2	2.31	<5	35	20	1.64	<1	20	25	4	4.62	<10	0.89	457	<1	0.04	2	1370	8	5	<20	4	0.18	<10	104	<10	89	21
9	99RE18	<5	<0.2	2.46	<5	55	20	1.46	<1	27	33	5	5.30	<10	1.13	606	<1	0.03	10	1470	6	<5	<20	2	0.19	<10	159	<10	76	27
10	99RE19	<5	<0.2	3.15	<5	35	20	2.61	<1	20	33	6	5.29	<10	1.01	772	<1	0.03	1	1480	6	<5	<20	4	0.18	<10	60	<10	100	26
11	99RE20	5	<0.2	2.61	<5	45	15	3.18	<1	6	103	3	3.13	<10	0.17	670	<1	0.03	3	410	8	<5	<20	<1	0.09	<10	2	<10	182	24
12	99RE21	<5	<0.2	1.73	<5	120	15	1.69	<1	6	72	5	3.42	<10	0.22	875	1	0.04	2	570	4	<5	<20	<1	0.08	<10	1	<10	166	39
13	99RE22	<5	<0.2	0.62	<5	175	10	0.50	<1	7	254	6	0.91	20	0.57	170	<1	0.03	36	1260	2	5	<20	<1	0.08	<10	45	<10	72	4
14	99RE23	<5	<0.2	3.34	<5	30	25	2.77	<1	31	148	52	4.26	<10	1.80	751	<1	0.08	51	640	8	10	<20	5	0.37	<10	125	<10	80	48
15	99RE24	5	<0.2	1.17	5	395	<5	0.05	<1	3	66	131	2.35	20	0.85	262	3	<0.01	26	420	6	10	<20	<1	<0.01	<10	31	<10	3	107
16	99RE25	30	<0.2	0.54	<5	65	<5	0.12	<1	11	101	75	2.28	10	0.40	138	2	<0.01	28	730	<2	<5	<20	<1	<0.01	<10	19	<10	12	45
17	99RE26	330	0.8	1.01	<5	140	<5	0.02	<1	4	110	118	2.89	<10	0.60	293	7	<0.01	16	240	8	<5	<20	<1	<0.01	<10	21	<10	<1	107
18	99RE27	<5	<0.2	0.55	<5	170	<5	0.03	<1	2	99	26	1.45	<10	0.38	217	1	<0.01	14	230	6	<5	<20	2	<0.01	<10	12	<10	<1	38
19	99RE28	5	<0.2	1.77	<5	345	5	0.78	<1	17	91	102	3.50	<10	1.18	996	<1	0.03	37	570	14	<5	<20	12	0.17	<10	65	<10	45	72
20	99RE29	35	<0.2	2.31	15	70	<5	1.01	2	97	151	5113	>10	10	1.64	449	24	0.02	50	1500	14	<5	<20	6	0.17	<10	137	<10	8	164

ED FREY

ICP CERTIFICATE OF ANALYSIS AK 99-390

ECO-TECH LABORATORIES LTD.

CM-1

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
21	99RE30	5	<0.2	3.85	<5	540	15	1.29	<1	30	51	96	4.98	<10	2.65	1703	<1	0.16	50	330	10	5	<20	25	0.13	<10	143	<10	21	54
22	99RE31	<5	<0.2	4.56	10	45	<5	3.23	<1	14	72	76	1.53	<10	0.70	293	<1	0.41	29	430	16	10	<20	79	0.09	<10	55	<10	24	13
23	99RE32	5	<0.2	2.26	5	915	5	1.20	<1	13	114	99	3.22	<10	1.46	1797	<1	0.04	43	690	18	15	<20	13	0.14	<10	72	<10	45	123
24	99RE33	<5	<0.2	2.73	<5	75	20	1.42	<1	34	45	65	4.72	<10	2.04	1063	<1	0.04	59	610	10	10	<20	6	0.32	<10	127	<10	69	65
25	99RE34	<5	<0.2	1.25	<5	455	<5	0.97	<1	8	141	71	1.79	<10	0.58	352	<1	0.01	24	590	12	<5	<20	7	0.10	<10	36	<10	37	50
26	99RE35	20	<0.2	0.60	10	340	<5	0.16	<1	6	95	55	2.15	10	0.32	317	4	<0.01	29	930	8	10	<20	15	<0.01	<10	49	<10	17	118
27	99RE36	10	<0.2	0.49	<5	275	<5	0.04	<1	2	62	33	1.42	<10	0.29	311	2	<0.01	12	300	8	5	<20	<1	<0.01	<10	22	<10	<1	38
28	99RE37	10	<0.2	0.90	25	45	20	8.38	<1	49	101	88	7.32	<10	3.10	1607	7	0.01	171	3060	6	15	<20	216	0.02	<10	30	<10	1	116
QC DATA:																														
Resplit:																														
1	99RE8	5	<0.2	0.88	<5	50	10	0.66	<1	10	110	4	1.97	20	0.69	344	<1	0.04	13	860	8	5	<20	51	0.13	<10	41	<10	26	31
Repeat:																														
1	99RE8	5	<0.2	0.87	<5	50	10	0.60	<1	10	104	3	1.94	20	0.68	336	<1	0.04	12	850	6	<5	<20	50	0.13	<10	41	<10	24	31
10	99RE19	<5	<0.2	3.11	<5	30	20	2.57	<1	21	33	6	5.29	<10	1.00	777	<1	0.03	2	1470	8	<5	<20	2	0.17	<10	59	<10	102	27
19	99RE28	5	<0.2	1.77	<5	360	5	0.80	<1	17	99	103	3.51	<10	1.17	999	<1	0.03	40	580	14	5	<20	13	0.18	<10	65	<10	49	72
Standard:																														
GEO'99		115	1.0	1.80	50	150	10	1.86	<1	18	64	84	3.82	<10	0.96	646	<1	0.02	25	680	22	<5	<20	55	0.10	<10	71	<10	9	67

df/405
XLS/99

per

ECO-TECH LABORATORIES LTD.
Frank J. Pezzotti, A.Sc.T.
B.C. Certified Assayer

8-Sep-99

ECO-TECH LABORATORIES LTD.
10041 East Trans Canada Highway
KAMLOOPS, B.C.
V2C 6T4

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ICP CERTIFICATE OF ANALYSIS AK 99-432

ED FREY
PO BOX 1437
KAMLOOPS, BC
V2C 6L7

ATTENTION: ED FREY

No. of samples received: 41
Sample type: Rock
PROJECT #: None Given
SHIPMENT #: None Given
Samples submitted by: Ed Frey

Values in ppm unless otherwise reported

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	99RE38	5	0.6	0.49	<5	125	<5	0.16	2	9	41	71	3.08	<10	0.13	356	9	0.03	20	840	8	<5	<20	40	<0.01	<10	19	<10	<1	148
2	99RE39	5	0.2	1.46	<5	110	<5	0.20	<1	11	38	78	3.38	10	1.11	307	6	<0.01	15	1160	22	5	<20	22	<0.01	<10	31	<10	<1	106
3	99RE40	5	0.6	1.10	<5	80	<5	1.15	5	15	60	113	4.03	10	0.71	430	14	0.01	47	1150	8	5	<20	99	<0.01	<10	43	<10	<1	338
4	99RE41	10	<0.2	0.78	65	120	<5	0.14	3	6	56	35	3.60	10	0.25	302	28	0.01	42	750	12	<5	<20	15	<0.01	<10	59	<10	<1	440
5	99RE42	<5	<0.2	1.73	<5	115	<5	0.71	<1	22	65	93	3.15	<10	1.32	497	<1	0.02	20	1230	4	15	<20	45	0.11	<10	46	<10	6	48
6	99RE43	5	0.2	1.47	<5	110	10	0.13	<1	5	34	27	3.79	<10	1.13	184	5	0.03	5	1260	10	<5	<20	21	<0.01	<10	37	<10	<1	59
7	99RE44	<5	<0.2	2.58	<5	250	5	0.57	<1	27	202	89	3.22	<10	2.58	717	<1	0.02	79	1040	6	20	<20	41	0.10	<10	43	<10	<1	43
8	99RE45	5	0.4	1.39	<5	130	<5	0.18	<1	8	40	70	4.05	<10	0.93	292	5	0.02	15	1180	10	<5	<20	26	<0.01	<10	26	<10	<1	61
9	99RE46	<5	<0.2	2.56	<5	75	15	0.88	<1	26	32	55	4.67	<10	1.86	746	<1	0.03	28	490	6	10	<20	3	0.16	<10	88	<10	37	48
10	99RE47	<5	<0.2	2.21	<5	80	15	1.61	<1	26	98	33	2.97	30	2.19	511	<1	0.08	102	1790	8	20	<20	167	0.22	<10	68	<10	48	53
11	99RE48	<5	<0.2	2.77	<5	60	20	1.55	<1	31	26	83	5.11	<10	1.56	677	<1	0.03	24	700	10	15	<20	13	0.26	<10	124	<10	65	66
12	99RE49	<5	<0.2	3.32	<5	60	25	1.22	<1	34	30	67	5.89	10	2.22	828	<1	0.07	47	660	8	<5	<20	16	0.24	<10	120	<10	50	69
13	99RE50	<5	<0.2	2.31	<5	40	20	1.06	<1	30	80	64	3.76	<10	2.10	530	<1	0.05	60	440	8	10	<20	13	0.26	<10	87	<10	42	47
14	99RE51	<5	<0.2	1.92	<5	55	10	0.75	<1	30	93	67	3.33	<10	1.91	469	<1	0.04	60	500	6	20	<20	4	0.25	<10	62	<10	35	45
15	99RE52	<5	<0.2	1.68	<5	20	10	0.97	<1	23	102	68	2.40	<10	1.36	409	<1	0.06	43	370	6	15	<20	11	0.25	<10	53	<10	40	32
16	99RE53	<5	<0.2	1.68	<5	55	15	0.83	<1	24	84	58	2.75	<10	1.51	470	<1	0.05	42	460	8	10	<20	7	0.28	<10	66	<10	45	40
17	99RE54	<5	<0.2	4.63	<5	65	15	6.18	1	45	228	49	7.86	20	4.71	1320	3	0.01	93	1200	4	10	<20	232	0.02	<10	249	<10	<1	87
18	99RE55	<5	<0.2	2.16	<5	40	10	>10	<1	15	81	48	3.74	10	1.56	1290	4	0.01	16	720	26	15	<20	386	<0.01	<10	52	<10	<1	47
19	99RE57	<5	0.2	1.62	<5	70	5	1.86	<1	18	26	13	3.63	20	0.65	662	3	0.02	2	1040	20	5	<20	57	<0.01	<10	17	<10	<1	91
20	99RE58	<5	<0.2	1.65	<5	165	<5	0.42	<1	21	29	148	4.43	10	0.49	542	4	0.01	8	1810	12	<5	<20	20	<0.01	<10	24	<10	<1	73
21	99RE59	<5	<0.2	2.68	<5	70	15	1.45	<1	18	34	52	5.31	10	1.26	418	4	0.01	12	1430	6	5	<20	61	<0.01	<10	39	<10	<1	111
22	99RE60	<5	<0.2	2.87	<5	80	10	4.70	<1	28	365	13	5.34	20	2.21	929	2	0.01	90	1390	8	10	<20	221	<0.01	<10	104	<10	<1	60
23	99RE61	5	<0.2	1.89	<5	60	20	4.73	<1	22	294	17	3.99	10	1.39	848	4	<0.01	79	1340	8	5	<20	172	<0.01	<10	61	<10	4	40
24	99RE62	5	<0.2	0.16	<5	45	<5	0.14	<1	3	115	4	0.59	20	0.02	93	3	<0.01	7	520	<2	<5	<20	9	<0.01	<10	2	<10	3	6
25	99RE63	<5	<0.2	0.05	5	15	<5	0.02	<1	3	136	19	0.47	<10	<0.01	397	6	<0.01	9	30	6	<5	<20	1	<0.01	<10	1	<10	<1	8

ED FREY

ICP CERTIFICATE OF ANALYSIS AK 99-432

ECO-TECH LABORATORIES LTD.

LD-1

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
26	99RE64	<5	<0.2	0.05	<5	20	<5	0.01	<1	4	137	13	0.53	<10	<0.01	323	3	0.01	9	60	<2	<5	<20	1	<0.01	<10	1	<10	<1	3
27	99RE66	<5	<0.2	2.21	<5	295	10	1.47	<1	23	50	76	5.40	30	2.31	1126	1	0.03	11	1180	22	5	<20	246	0.11	<10	213	<10	5	70
28	99RE67	5	<0.2	2.48	<5	185	15	1.14	<1	27	30	43	6.28	20	2.58	1120	4	0.03	8	1310	14	10	<20	175	0.03	<10	205	<10	<1	79
29	99RE68	5	<0.2	1.76	10	150	10	2.11	<1	23	56	54	5.14	40	1.92	1187	4	0.03	16	1220	8	<5	<20	311	0.02	<10	187	<10	<1	76
30	99RE69	<5	<0.2	1.35	5	680	10	1.29	<1	23	32	68	3.53	40	0.88	836	<1	0.02	7	1390	52	<5	<20	247	0.08	<10	120	<10	21	74
31	99RE70	<5	<0.2	2.03	<5	200	<5	2.22	<1	19	56	70	5.06	60	1.99	854	5	0.02	15	1590	10	5	<20	169	<0.01	<10	111	<10	8	74
32	99RE71	<5	<0.2	2.33	<5	290	10	2.81	<1	23	18	53	6.03	40	2.61	1064	5	0.03	6	1630	28	10	<20	571	<0.01	<10	124	<10	<1	74
33	99RE72	15	1.0	0.52	<5	165	5	0.06	<1	3	58	37	2.92	10	0.18	74	13	<0.01	11	610	68	<5	<20	35	<0.01	<10	24	<10	<1	85
34	99RE73	5	<0.2	0.20	<5	125	<5	1.56	<1	5	52	7	1.34	20	0.04	470	3	0.03	3	520	4	<5	<20	115	<0.01	<10	4	<10	12	17
35	99RE74	<5	0.4	3.32	20	205	5	4.63	1	39	79	155	6.97	50	2.93	1497	5	<0.01	32	2880	16	10	<20	392	<0.01	<10	89	<10	2	90
36	99RE75	10	0.8	0.38	5	120	5	0.05	<1	2	63	10	1.86	<10	0.13	51	4	<0.01	13	520	18	<5	<20	21	<0.01	<10	17	<10	<1	46
37	99RE79	15	0.4	0.26	<5	105	<5	0.38	<1	1	98	7	0.82	10	<0.01	65	4	0.05	5	270	22	<5	<20	79	<0.01	<10	2	<10	6	<1
38	99RE80	10	0.2	0.15	<5	50	<5	1.36	<1	3	56	6	1.28	10	0.04	451	4	0.01	2	110	6	<5	<20	46	<0.01	<10	2	<10	2	16
39	99RE81	10	0.2	0.23	<5	115	<5	1.25	<1	4	52	11	1.29	<10	0.03	618	2	<0.01	4	240	6	<5	<20	33	<0.01	<10	1	<10	7	15
40	99RE82	20	0.4	0.20	<5	75	<5	0.03	<1	<1	27	4	0.49	<10	<0.01	21	2	0.01	3	190	22	<5	<20	23	<0.01	<10	4	<10	4	<1
41	99RE83	5	0.4	0.10	<5	40	<5	8.29	<1	4	72	23	3.96	20	3.08	1739	4	0.02	3	320	16	25	<20	552	<0.01	<10	16	<10	13	66
QC DATA:																														
Resplit:																														
1	99RE38	5	0.6	0.50	<5	115	<5	0.19	1	9	38	69	3.25	10	0.14	357	9	0.02	21	870	8	<5	<20	40	<0.01	<10	20	<10	<1	153
36	99RE75	10	0.8	0.35	<5	110	5	0.06	<1	2	58	10	1.94	<10	0.13	51	5	<0.01	14	560	16	<5	<20	21	<0.01	<10	16	<10	<1	48
Repeat:																														
1	99RE38	5	0.6	0.49	<5	120	<5	0.16	1	9	40	68	3.09	<10	0.13	357	9	0.03	20	830	6	<5	<20	34	<0.01	<10	19	<10	<1	147
10	99RE47	<5	<0.2	2.29	<5	75	15	1.75	<1	27	100	33	3.04	30	2.25	533	<1	0.09	103	1830	8	20	<20	183	0.23	<10	72	<10	49	52
19	99RE57	<5	<0.2	1.59	<5	65	<5	1.82	<1	18	25	13	3.58	20	0.64	656	4	0.02	3	1010	18	5	<20	55	<0.01	<10	18	<10	<1	89
36	99RE75	-	1.2	0.40	<5	125	<5	0.09	<1	2	65	10	1.89	<10	0.15	59	4	<0.01	14	530	18	<5	<20	21	<0.01	<10	18	<10	<1	46
Standard:																														
GEO'99		125	1.2	1.78	65	170	10	1.87	<1	18	58	91	3.85	10	0.98	679	<1	0.02	22	680	22	10	<20	58	0.10	<10	73	<10	8	72
GEO'99		125	1.4	1.76	65	170	<5	1.82	<1	20	54	87	3.86	10	0.92	653	<1	0.02	25	660	24	10	<20	56	0.08	<10	76	<10	9	69

LD-2

df/432
XLS/99

per ECO-TECH LABORATORIES LTD.
Frank J. Pezzotti, A.Sc.T.
B.C. Certified Assayer

17-Sep-99

ECO-TECH LABORATORIES LTD.
10041 East Trans Canada Highway
KAMLOOPS, B.C.
V2C 6T4

Phone: 250-573-5700
Fax : 250-573-4557

ICP CERTIFICATE OF ANALYSIS AK 99-465R

ED FREY
PO BOX 1437
KAMLOOPS, BC
V2C 6L7

ATTENTION: ED FREY

No. of samples received: 19
Sample type: Rock
PROJECT #: None Given
SHIPMENT #: None Given
Samples submitted by: E. Frey

Values in ppm unless otherwise reported

LD-1

CM-3

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	99RE76	30	<0.2	0.13	15	55	<5	0.09	<1	5	113	60	3.84	<10	0.02	69	15	0.01	17	810	10	<5	<20	40	<0.01	<10	22	<10	<1	156
2	99RE77	10	0.2	0.03	5	15	<5	0.04	<1	<1	110	10	0.56	<10	<0.01	39	12	<0.01	5	360	50	<5	<20	12	<0.01	<10	9	<10	1	47
3	99RE78	10	<0.2	0.02	5	5	<5	0.02	<1	<1	162	16	0.56	<10	<0.01	42	18	<0.01	6	300	62	<5	<20	12	<0.01	<10	13	<10	<1	58
4	99RE84	>1000	28.0	0.16	200	245	<5	0.05	1	13	103	2649	3.89	10	<0.01	72	71	0.01	3	610	678	90	20	42	0.02	<10	14	<10	<1	101
5	99RE85	>1000	29.2	0.09	1090	90	<5	0.01	11	124	45	>10000	>10	<10	<0.01	7	113	<0.01	13	>10000	184	<5	<20	2	<0.01	10	21	<10	<1	1541
6	99RE86	920	>30	0.45	255	90	<5	0.01	4	73	89	>10000	>10	<10	0.10	60	217	<0.01	11	>10000	80	<5	<20	2	<0.01	10	177	<10	<1	500
7	99RE87	>1000	>30	0.23	395	100	<5	0.06	15	115	69	>10000	>10	<10	<0.01	23	317	<0.01	11	>10000	360	35	<20	<1	<0.01	10	46	<10	<1	2550
8	99RE88	45	1.0	2.74	175	195	<5	0.32	2	11	267	6188	6.83	<10	2.10	974	16	<0.01	49	2700	64	10	<20	15	<0.01	<10	155	<10	9	276
9	99RE89	>1000	>30	0.05	330	80	<5	0.01	4	148	49	>10000	>10	<10	<0.01	10	116	<0.01	6	>10000	142	<5	<20	1	<0.01	10	6	<10	<1	352
10	99RE90	>1000	>30	0.25	380	110	<5	0.03	11	228	62	>10000	>10	<10	<0.01	15	333	<0.01	17	>10000	512	70	<20	15	<0.01	10	43	<10	<1	1677
11	99RE91	45	<0.2	1.03	10	610	<5	0.09	<1	1	87	470	2.80	<10	0.68	257	8	<0.01	11	190	14	<5	<20	4	<0.01	<10	38	<10	<1	43
12	99RE92	340	6.2	0.93	205	115	<5	0.02	2	12	195	2403	>10	<10	0.41	19	119	<0.01	7	2310	56	<5	<20	3	<0.01	10	264	<10	<1	215
13	99RE93	>1000	27.7	0.06	320	90	<5	0.01	3	166	75	>10000	>10	<10	<0.01	12	57	<0.01	10	>10000	116	15	<20	<1	<0.01	10	13	<10	<1	199
14	99RE94	75	4.0	0.06	<5	95	<5	0.02	3	101	8	>10000	>10	<10	<0.01	321	106	<0.01	7	<10	<2	<5	<20	3	<0.01	10	4	<10	<1	130
15	99RE95	50	3.4	0.24	<5	115	<5	0.03	2	41	3	>10000	>10	<10	0.13	864	132	<0.01	2	<10	<2	<5	<20	2	<0.01	10	13	<10	<1	110
16	99RE96	30	1.0	0.05	<5	105	<5	0.02	2	80	8	6455	>10	<10	0.19	849	138	<0.01	4	<10	<2	<5	<20	4	<0.01	10	6	<10	<1	62
17	99RE97	75	3.0	1.30	75	305	<5	0.09	1	45	97	5319	>10	<10	0.52	401	175	<0.01	17	260	4	<5	<20	6	0.01	10	69	<10	<1	219
18	99RE98	15	0.4	2.19	20	875	<5	0.16	<1	7	94	1251	7.57	<10	2.33	241	36	<0.01	24	290	8	10	<20	4	<0.01	10	66	<10	<1	90
19	99RE99	10	<0.2	1.78	5	95	<5	0.13	<1	10	73	361	4.57	<10	1.24	963	7	<0.01	35	770	10	10	<20	<1	<0.01	<10	88	<10	<1	35

ED FREY

ICP CERTIFICATE OF ANALYSIS AK 99-465

ECO-TECH LABORATORIES LTD.

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
Resplit:																														
1	99RE76	35	0.2	0.15	20	60	<5	0.09	1	6	117	70	4.07	<10	0.03	78	15	0.01	18	890	10	<5	<20	42	<0.01	<10	24	<10	<1	169
Repeat:																														
1	99RE76	35	<0.2	0.13	20	55	<5	0.09	<1	6	109	74	3.81	<10	0.02	66	15	0.01	16	820	12	<5	<20	40	<0.01	<10	22	<10	<1	157
10	99RE90	>1000	>30	0.24	370	110	<5	0.03	10	226	58	>10000	>10	<10	<0.01	15	325	<0.01	16	>10000	486.	65	<20	15	<0.01	60	40	<10	<1	1585
Standard:																														
GEO'99		115	1.0	1.71	65	150	<5	1.79	<1	18	62	93	3.85	<10	0.96	647	<1	0.02	25	690	20	10	<20	60	0.07	<10	74	<10	8	68

df/465
XLS/99

ECO-TECH LABORATORIES LTD.
Frank J. Pezzotti, A.Sc.T.
B.C. Certified Assayer

Eco-Tech
LABORATORIES LTD.

ASSAYING
GEOCHEMISTRY
ANALYTICAL CHEMISTRY
ENVIRONMENTAL TESTING

10041 E. Trans Canada Hwy., R.R. #2. Kamloops, B.C. V2C 6T4
Phone (250) 573-5700 Fax (250) 573-4557
email: ecotech@mail.wkpowerlink.com

CERTIFICATE OF ASSAY AK 99-465

ED FREY
PO BOX 1437
KAMLOOPS, BC
V2C 6L7

21-Sep-99

ATTENTION: ED FREY

No. of samples received: 19
Sample type: Rock
PROJECT #: None Given
SHIPMENT #: None Given
Samples submitted by: E. Frey

ET #.	Tag #	Au (g/t)	Au (oz/t)	Ag (g/t)	Ag (oz/t)	Cu (%)
4	99RE84	1.14	0.033	-	-	-
5	99RE85	4.45	0.130	-	-	4.60
6	99RE86	-	-	40.0	1.17	10.30
7	99RE87	1.42	0.041	35.4	1.03	10.95
9	99RE89	2.72	0.079	35.9	1.05	3.71
10	99RE90	2.06	0.060	35.6	1.04	13.20
13	99RE93	1.38	0.040	-	-	5.72
14	99RE94	-	-	-	-	2.64
15	99RE95	-	-	-	-	1.12

CM-3

QC/DATA:
Standard:

STD-M	1.31	0.038	-	-	-
Mp-IA	-	-	-	-	1.44

ECO-TECH LABORATORIES LTD.
per Frank J. Pezzotti, A.Sc.T.
B.C. Certified Assayer

XLS/99

6-Oct-99

ECO-TECH LABORATORIES LTD.
10041 East Trans Canada Highway
KAMLOOPS, B.C.
V2C 6T4

Phone: 250-573-5700
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ICP CERTIFICATE OF ANALYSIS AK 99-536

ED FREY
PO BOX 1437
KAMLOOPS, BC
V2C 6L7

ATTENTION: ED FREY

No. of samples received: 53
Sample type: Rock
PROJECT #: None Given
SHIPMENT #: None Given
Samples submitted by: Ed Frey

Values in ppm unless otherwise reported

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	99RE100	<5	<0.2	1.13	<5	185	5	0.33	<1	9	85	58	2.21	<10	0.77	449	<1	0.01	15	400	8	10	<20	8	0.06	<10	16	<10	26	46
2	99RE101	<5	<0.2	3.07	<5	25	10	2.76	<1	26	45	73	4.17	<10	1.44	566	<1	0.04	29	620	6	15	<20	5	0.20	<10	133	<10	55	49
3	99RE102	5	<0.2	3.06	<5	25	20	1.87	<1	30	32	76	5.08	<10	1.80	728	<1	0.05	32	590	6	15	<20	8	0.20	<10	134	<10	56	60
4	99RE103	5	<0.2	3.19	<5	40	25	1.75	<1	36	70	79	5.56	<10	1.92	933	<1	0.04	43	630	8	15	<20	8	0.13	<10	194	<10	78	63
5	99RE104	<5	<0.2	2.88	<5	55	15	2.11	<1	26	34	65	4.31	<10	1.53	712	<1	0.05	31	610	6	15	<20	7	0.20	<10	122	<10	50	55
CM-3																														
6	99RE105	5	<0.2	2.21	<5	45	20	2.91	<1	24	115	34	3.84	<10	2.11	903	<1	0.02	44	450	6	20	<20	27	0.07	<10	84	<10	39	33
7	99RE106	5	<0.2	3.86	5	40	35	1.95	<1	38	38	77	6.05	<10	2.29	964	<1	0.03	28	630	12	25	<20	2	0.39	<10	163	<10	70	64
8	99RE107	<5	<0.2	1.88	<5	15	10	0.81	<1	18	127	5	2.24	10	1.00	312	<1	0.31	33	510	8	15	<20	<1	0.14	<10	42	<10	37	13
9	99RE108	5	<0.2	3.31	5	30	20	2.45	<1	25	36	66	4.40	<10	1.59	699	<1	0.07	24	550	10	20	<20	5	0.14	<10	110	<10	48	54
10	99RE109	<5	<0.2	3.12	<5	20	20	2.14	<1	31	31	70	4.67	<10	1.83	634	<1	0.04	34	630	12	15	<20	5	0.18	<10	87	<10	54	55
11	99RE110	<5	<0.2	4.00	5	25	30	2.43	<1	36	46	82	5.50	<10	2.37	827	<1	0.04	33	620	10	25	<20	3	0.24	<10	127	<10	69	59
12	99RE111	<5	<0.2	3.42	<5	30	25	2.07	<1	31	20	67	5.27	<10	1.64	698	<1	0.08	29	710	10	15	<20	15	0.19	<10	100	<10	60	61
13	99RE112	15	<0.2	3.31	10	45	25	4.51	<1	28	62	44	4.57	<10	2.33	957	<1	<0.01	29	440	8	20	<20	27	0.19	<10	132	<10	69	42
14	99RE113A	85	0.2	2.35	40	40	10	1.01	<1	31	177	53	5.28	<10	1.65	988	2	0.01	59	510	6	15	<20	4	0.03	<10	182	<10	51	58
CM-2 15	99RE113B	5	<0.2	3.04	<5	20	25	2.81	<1	29	74	56	3.65	<10	1.73	609	<1	0.07	54	580	10	20	<20	8	0.18	<10	72	<10	59	49
CM-4 16	99RE114	5	<0.2	0.65	<5	145	<5	0.24	<1	6	98	5	1.50	10	0.44	340	<1	0.04	9	360	8	5	<20	17	0.05	<10	25	<10	16	33
17	99RE115	80	1.0	2.50	<5	55	<5	3.13	<1	16	271	504	6.22	<10	0.40	198	5	0.21	30	5680	30	<5	<20	93	0.04	<10	354	<10	19	25
18	99RE116	<5	<0.2	2.51	<5	15	10	2.03	<1	14	63	50	1.34	<10	0.66	191	<1	0.08	24	660	10	15	<20	21	0.10	<10	24	<10	35	14
CM-5 19	99RE117	<5	<0.2	2.01	<5	20	25	0.82	<1	31	113	44	3.49	<10	1.65	633	<1	0.03	46	640	8	15	<20	7	0.22	<10	41	<10	37	62
20	99RE118A	5	<0.2	2.29	<5	30	25	0.70	<1	32	74	51	4.53	<10	1.79	716	<1	0.03	43	810	10	10	<20	4	0.19	<10	64	<10	46	66
21	99RE118B	5	<0.2	2.19	<5	15	25	0.80	<1	31	88	47	3.97	<10	1.84	587	<1	0.02	44	670	8	15	<20	<1	0.26	<10	57	<10	39	53
22	99RE119	5	<0.2	2.37	<5	30	20	0.76	<1	31	93	49	4.40	<10	2.00	728	<1	0.04	42	700	8	20	<20	2	0.16	<10	68	<10	42	61
CM-1 23	99RE121	5	<0.2	2.85	<5	35	15	1.12	<1	32	38	74	4.77	<10	2.23	718	<1	0.04	57	620	10	25	<20	8	0.20	<10	76	<10	38	55
24	99RE122	5	<0.2	3.30	<5	35	30	1.27	<1	38	32	74	5.25	<10	2.53	933	<1	0.08	68	670	12	15	<20	8	0.32	<10	110	<10	53	61
25	99RE123	<5	<0.2	2.75	<5	45	20	1.30	<1	31	36	66	4.74	<10	1.88	817	<1	0.08	44	420	8	15	<20	8	0.14	<10	90	<10	38	59

ED FREY

ICP CERTIFICATE OF ANALYSIS AK 99-536

ECO-TECH LABORATORIES LTD.

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
26	99RE124	10	<0.2	4.14	<5	30	20	4.96	<1	25	59	118	3.51	<10	1.07	460	<1	0.01	30	430	10	15	<20	3	0.13	<10	93	<10	42	30
27	99RE125	10	<0.2	3.67	<5	25	25	2.52	<1	34	82	74	5.06	<10	2.24	813	<1	0.07	53	710	12	25	<20	5	0.20	<10	94	<10	67	60
28	99RE126	5	<0.2	2.57	<5	25	15	1.49	<1	29	30	58	4.30	<10	1.94	670	<1	0.08	50	590	8	15	<20	5	0.24	<10	89	<10	41	50
29	99RE127	120	<0.2	3.26	10	50	15	3.18	<1	21	66	48	3.32	<10	1.27	628	<1	0.02	24	490	10	20	<20	<1	0.18	<10	95	<10	37	37
30	99RE128	10	0.6	0.73	<5	70	<5	0.55	8	16	36	84	4.11	<10	0.40	436	10	0.02	27	1080	6	<5	<20	84	<0.01	<10	35	<10	<1	357
31	99RE129	5	<0.2	0.04	<5	<5	<5	0.02	<1	1	129	13	0.58	<10	<0.01	34	5	<0.01	8	10	<2	<5	<20	<1	<0.01	<10	1	<10	<1	38
32	99RE130	10	<0.2	0.02	<5	<5	<5	0.07	<1	<1	172	4	0.28	<10	<0.01	62	5	<0.01	6	<10	<2	<5	<20	<1	<0.01	<10	<1	<10	<1	5
33	99RE131	15	0.8	0.58	<5	60	<5	0.13	1	5	66	35	1.99	<10	0.33	140	16	0.02	13	850	6	<5	<20	8	<0.01	<10	30	<10	2	139
34	99RE132	20	0.2	1.57	60	95	10	1.93	<1	12	52	69	3.31	<10	1.15	557	2	0.01	11	1070	14	10	<20	178	0.07	<10	38	<10	16	68
35	99RE133	10	0.2	2.06	<5	70	5	1.98	<1	22	43	122	4.25	<10	1.46	867	5	0.02	29	1260	6	10	<20	133	<0.01	<10	44	<10	3	76
36	99RE134	10	<0.2	2.25	<5	90	<5	0.27	<1	16	48	129	4.82	<10	1.54	353	5	0.02	20	1230	12	5	<20	34	<0.01	<10	46	<10	<1	92
37	99RE135	15	0.4	0.32	<5	90	<5	0.13	2	18	40	112	4.03	<10	0.03	372	20	0.02	55	840	6	<5	<20	15	<0.01	<10	14	<10	<1	425
38	99RE136	10	<0.2	0.03	<5	<5	<5	0.08	<1	<1	114	10	0.29	<10	<0.01	39	3	<0.01	5	30	<2	<5	<20	2	<0.01	<10	1	<10	<1	15
39	99RE137	10	<0.2	1.65	<5	80	<5	0.83	<1	11	60	84	3.68	<10	1.45	275	5	0.01	19	1170	10	10	<20	49	0.01	<10	49	<10	<1	54
40	99RE138	5	<0.2	0.29	<5	10	<5	0.03	<1	3	75	3	0.80	10	0.09	198	2	<0.01	9	110	6	<5	<20	<1	<0.01	<10	2	<10	<1	15
41	99RE139	5	<0.2	0.18	<5	<5	<5	0.02	<1	3	162	7	0.68	<10	0.04	471	4	<0.01	10	70	12	<5	<20	<1	<0.01	<10	2	<10	<1	10
42	99RE140	5	<0.2	3.75	<5	70	25	4.50	<1	47	202	2	9.19	<10	3.53	1330	6	0.03	113	670	6	5	<20	164	<0.01	<10	148	<10	<1	82
43	99RE141	<5	<0.2	0.17	<5	25	<5	0.71	<1	2	150	4	0.63	10	0.04	422	4	0.01	7	200	26	<5	<20	47	<0.01	<10	1	<10	5	8
44	99RE142	5	<0.2	0.54	<5	15	<5	0.04	<1	5	108	8	1.34	<10	0.21	332	3	0.01	13	120	10	<5	<20	<1	<0.01	<10	4	<10	<1	26
45	99RE143	<5	<0.2	2.12	<5	40	20	1.14	<1	41	183	48	3.00	<10	1.95	636	<1	0.01	52	620	8	20	<20	42	0.37	<10	68	<10	28	82
46	99RE144	5	0.2	0.42	<5	20	<5	0.05	<1	8	99	15	0.82	10	0.15	1131	3	0.02	12	130	12	<5	<20	2	<0.01	<10	3	<10	3	22
47	99RE146	5	<0.2	1.75	15	35	<5	0.08	<1	18	61	44	3.95	20	0.84	1057	4	0.01	33	310	28	<5	<20	4	0.02	<10	14	<10	<1	75
48	99RE147	15	<0.2	0.14	<5	<5	<5	0.09	<1	4	191	59	0.59	<10	0.05	241	5	0.01	8	30	16	<5	<20	2	<0.01	<10	<1	<10	<1	5
49	99RE148	<5	<0.2	1.08	<5	25	<5	0.04	<1	25	68	71	3.00	10	0.56	758	5	0.01	22	200	60	<5	<20	3	0.01	<10	7	<10	<1	55
50	99RE149	<5	0.4	0.83	<5	5	<5	0.43	<1	10	147	9	1.89	<10	0.45	2897	5	0.01	14	350	98	5	<20	22	<0.01	<10	6	<10	<1	39
51	99RE150	<5	<0.2	2.48	<5	30	15	1.01	<1	26	51	68	3.54	<10	1.97	592	<1	0.04	40	330	10	20	<20	10	0.17	<10	80	<10	19	46
52	99RE151	<5	<0.2	2.58	<5	20	20	1.56	<1	28	59	61	4.09	<10	1.82	643	<1	0.08	52	480	10	10	<20	2	0.25	<10	87	<10	40	49
53	99RE152	<5	<0.2	1.77	<5	420	10	0.72	<1	14	86	35	2.90	<10	1.38	822	<1	0.05	27	700	8	15	<20	7	0.12	<10	61	<10	26	44

CM-1

MF-2

MF-1

CM-2

CM-1

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
QC DATA:																														
Resplit:																														
1	99RE100	10	<0.2	1.24	<5	205	10	0.39	<1	10	86	60	2.35	<10	0.83	469	<1	0.01	15	450	12	15	<20	6	0.09	<10	20	<10	30	48
36	99RE134	15	<0.2	2.30	<5	80	<5	0.27	<1	16	45	127	4.88	<10	1.59	335	5	0.02	19	1230	14	15	<20	30	<0.01	<10	47	<10	<1	94
Repeat:																														
1	99RE100	5	<0.2	1.24	<5	200	5	0.39	<1	10	91	61	2.35	<10	0.82	471	<1	0.02	15	440	10	15	<20	6	0.08	<10	20	<10	28	48
10	99RE109	<5	<0.2	3.21	<5	20	25	2.25	<1	31	31	71	4.72	<10	1.85	642	<1	0.04	37	630	12	15	<20	6	0.19	<10	87	<10	58	55
19	99RE117	5	<0.2	2.03	<5	20	30	0.86	<1	31	118	44	3.51	<10	1.65	653	<1	0.03	46	640	8	15	<20	9	0.24	<10	38	<10	39	62
36	99RE134	15	<0.2	2.24	5	80	<5	0.27	<1	16	48	129	4.81	<10	1.53	352	5	0.02	20	1260	14	10	<20	29	<0.01	<10	45	<10	<1	92
45	99RE143	-	<0.2	1.97	<5	40	20	1.06	<1	38	172	45	2.82	<10	1.84	604	<1	0.01	50	590	8	20	<20	39	0.35	<10	64	<10	24	78
Standard:																														
GEO'99		135	1.0	1.80	65	150	5	1.80	1	20	64	85	3.82	<10	0.98	649	<1	0.02	25	680	24	10	<20	52	0.09	<10	76	<10	8	68
GEO'99		125	0.8	1.82	65	145	<5	1.81	<1	18	65	85	3.85	<10	0.96	655	<1	0.02	25	680	22	10	<20	58	0.09	<10	76	<10	8	70

df/484
XLS/99

ECO-TECH LABORATORIES LTD.
Frank J. Pezzotti, A.Sc.T.
B.C. Certified Assayer

15-Oct-99

ECO-TECH LABORATORIES LTD.
10041 East Trans Canada Highway
KAMLOOPS, B.C.
V2C 6T4

Phone: 250-573-5700
Fax : 250-573-4557

ICP CERTIFICATE OF ANALYSIS AK 99-561

ED FREY
PO BOX 1437
KAMLOOPS, BC
V2C 6L7

ATTENTION: ED FREY

No. of samples received: 18
Sample type: Rock
PROJECT #: None Given
SHIPMENT #: None Given
Samples submitted by: E. Frey

Values in ppm unless otherwise reported

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	99RE153	<5	<0.2	2.92	<5	20	10	3.02	<1	29	81	64	4.58	<10	1.45	669	<1	0.05	29	480	12	<5	<20	7	0.34	<10	135	<10	46	60
2	99RE154	<5	<0.2	3.26	<5	45	10	2.59	<1	40	114	59	5.91	<10	2.31	936	<1	0.08	66	590	18	<5	<20	13	0.49	<10	189	<10	72	67
3	99RE155	<5	<0.2	2.94	<5	65	20	1.72	<1	45	85	63	6.59	<10	2.47	992	<1	0.03	61	640	16	<5	<20	12	0.57	<10	208	<10	84	75
4	99RE156	<5	<0.2	3.83	<5	60	20	2.73	<1	48	167	54	6.97	<10	2.73	1189	<1	0.03	76	650	20	<5	<20	24	0.59	<10	228	<10	86	76
5	99RE157	<5	<0.2	3.23	<5	40	10	2.82	<1	38	127	62	5.77	<10	2.33	919	<1	0.05	64	550	20	10	<20	17	0.44	<10	170	<10	62	80
6	99RE158	<5	<0.2	2.84	<5	30	<5	2.91	<1	30	120	49	4.27	<10	1.68	624	<1	0.03	49	490	16	5	<20	7	0.32	<10	136	<10	44	53
7	99RE159	<5	<0.2	3.24	<5	35	10	2.03	<1	38	39	58	6.68	<10	1.97	1050	<1	0.01	32	570	18	<5	<20	5	0.36	<10	163	<10	44	79
8	99RE160	330	0.4	1.22	60	45	<5	2.88	<1	18	50	23	4.07	<10	0.92	736	4	0.01	21	260	6	15	<20	15	0.01	<10	116	<10	9	40
9	99RE161	15	<0.2	2.07	<5	40	10	3.27	<1	22	42	46	3.91	<10	1.14	691	<1	0.04	17	340	10	<5	<20	11	0.28	<10	127	<10	52	50
10	99RE162	<5	<0.2	1.21	<5	60	<5	0.89	<1	15	81	43	2.81	<10	0.97	761	<1	<0.01	30	300	10	<5	<20	8	0.10	<10	33	<10	25	40
11	99RE163	<5	<0.2	1.30	<5	80	<5	0.30	<1	16	88	72	3.00	<10	0.91	597	<1	<0.01	31	320	10	<5	<20	9	0.08	<10	42	<10	24	58
12	99RE164	<5	<0.2	2.43	<5	30	10	3.15	<1	27	60	48	3.70	<10	1.28	544	<1	0.06	54	570	16	<5	<20	7	0.36	<10	101	<10	55	64
13	99RE165	<5	<0.2	3.54	<5	20	15	3.75	<1	41	78	54	5.74	<10	2.46	705	<1	0.01	43	580	18	<5	<20	3	0.45	<10	141	<10	40	69
14	99RE166	<5	<0.2	2.81	<5	20	10	3.91	<1	29	90	54	4.01	<10	1.39	634	<1	0.06	56	580	16	5	<20	10	0.38	<10	113	<10	55	56
15	99RE167	<5	<0.2	2.27	<5	20	10	3.14	<1	27	63	45	3.71	<10	1.26	583	<1	0.06	53	510	12	<5	<20	8	0.30	<10	95	<10	43	57
16	99RE168	<5	<0.2	2.72	<5	25	15	2.42	<1	45	108	55	5.32	<10	1.88	776	<1	0.05	72	640	26	<5	<20	7	0.39	<10	116	<10	42	75
17	99RE169	10	<0.2	0.32	45	15	<5	1.79	<1	11	119	173	1.70	<10	0.25	370	3	<0.01	20	180	<2	<5	<20	3	<0.01	<10	23	<10	8	20
18	99RE170	30	<0.2	0.30	135	135	<5	0.10	<1	2	83	23	1.30	<10	0.14	178	2	<0.01	7	430	12	<5	<20	<1	<0.01	<10	11	<10	10	14

CM-3

CM-2

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
QC DATA:																														
Resplit:																														
1	99RE153	<5	<0.2	3.01	<5	20	10	3.13	<1	31	77	72	4.77	<10	1.50	705	<1	0.05	30	520	14	<5	<20	7	0.36	<10	139	<10	47	62
Repeat:																														
1	99RE153	<5	<0.2	2.85	<5	15	10	2.91	<1	27	71	59	4.20	<10	1.39	629	<1	0.04	28	450	16	<5	<20	6	0.31	<10	130	<10	42	70
10	99RE162	<5	<0.2	1.26	<5	60	<5	0.91	<1	16	84	44	2.89	<10	1.00	788	<1	0.01	32	320	8	5	<20	8	0.11	<10	34	<10	25	40
Standard:																														
GEO'99		120	1.0	1.70	65	150	<5	1.86	<1	20	61	74	3.83	<10	0.97	697	<1	0.01	24	670	22	<5	<20	55	0.11	<10	75	<10	9	85

df/546B
XLS/99

ECO-TECH LABORATORIES LTD.
Frank J. Pezzotti, A.Sc.T.
B.C. Certified Assayer

30-Aug-99

TILL SAMPLES
MAP INDEX

ICP CERTIFICATE OF ANALYSIS AK 99-365

ECO-TECH LABORATORIES LTD.
10041 East Trans Canada Highway
KAMLOOPS, B.C.
V2C 6T4

Phone: 250-573-5700
Fax : 250-573-4557

ED FREY
PO BOX 1437
KAMLOOPS, BC
V2C 6L7

REF. # 99/2000 P136

ATTENTION: ED FREY

PROJECT MAP

CM-5

Values in ppm unless otherwise reported

No. of samples received: 4
Sample type: Till
PROJECT #: None Given
SHIPMENT #: None Given
Samples submitted by: Ed Frey

Et #.	Tag #	Weights(g) -230	+230	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	99TE441	67	10441	10	<0.2	1.88	10	135	15	0.62	<1	25	61	64	3.11	<10	0.94	533	<1	0.01	44	550	20	<5	<20	21	0.23	<10	70	<10	43	48
2	99TE442	73	10476	30	<0.2	1.82	5	75	10	0.68	<1	33	63	88	3.39	<10	1.06	586	<1	0.02	40	600	18	10	<20	16	0.25	<10	83	<10	53	37
3	99TE443	79	8222	5	<0.2	1.89	5	110	10	0.41	<1	19	58	48	3.22	20	0.79	507	<1	0.01	41	730	20	<5	<20	14	0.12	<10	64	<10	26	54
4	99TE444	72	8601	5	<0.2	1.34	<5	90	15	0.56	<1	19	50	44	2.51	<10	0.70	387	<1	0.01	33	520	14	10	<20	12	0.21	<10	62	<10	55	33
QC DATA:																																
Repeat:																																
1	99TE441			-	<0.2	1.86	10	125	15	0.62	1	24	60	63	3.08	<10	0.93	527	<1	0.01	44	560	20	5	<20	18	0.23	<10	69	<10	46	46
3	99TE443			10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Standard:																																
GEO'99				120	1.6	1.67	60	155	10	1.83	<1	18	59	87	3.85	<10	0.98	656	<1	0.02	22	690	22	10	<20	54	0.09	<10	72	<10	7	69

df/344
XLS/99

ECO-TECH LABORATORIES LTD.
Frank J. Pezzotti, A.Sc.T.
B.C. Certified Assayer

9-Nov-99

ECO-TECH LABORATORIES LTD.
10041 East Trans Canada Highway
KAMLOOPS, B.C.
V2C 6T4

Phone: 250-573-5700
Fax : 250-573-4557

ICP CERTIFICATE OF ANALYSIS AK 99-392R

ED FREY
PO BOX 1437
KAMLOOPS, BC
V2C 6L7

ATTENTION: ED FREY

No. of samples received: 4
Sample type: Till
PROJECT #: None Given
SHIPMENT #: None Given
Samples submitted by: Ed Frey

Values in ppm unless otherwise reported

Et #.	Tag #	Weights(g) -230	+230	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
CM-4 1	99TE261	36	11882	10	<0.2	2.01	<5	145	10	0.69	<1	28	70	64	3.30	<10	1.09	744	<1	0.04	45	770	16	10	<20	31	0.16	<10	76	<10	33	51
2	99TE262	90	5065	10	<0.2	0.94	10	60	<5	0.60	<1	13	35	47	1.89	<10	0.52	256	<1	0.03	18	840	8	<5	<20	20	0.12	10	45	<10	31	21
3	99TE263	43	5744	10	<0.2	1.96	20	115	5	0.63	<1	24	69	81	3.10	<10	0.99	482	<1	0.03	43	560	16	5	<20	19	0.18	<10	74	<10	41	44
CM-1 4	99TE671	108	5457	5	<0.2	1.66	<5	60	15	0.62	<1	17	45	28	2.32	<10	0.67	227	<1	0.02	24	220	10	10	<20	8	0.24	<10	72	<10	30	26

QC DATA:

Repeat:

1	99TE261		-	<0.2	2.00	10	135	5	0.68	<1	28	70	64	3.29	<10	1.09	743	<1	0.03	46	790	18	<5	<20	30	0.17	<10	75	<10	35	51
2	99TE262		10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Standard:

GEO'99		120	1.2	1.74	65	155	5	1.84	<1	19	64	86	3.86	<10	0.96	684	<1	0.02	24	690	24	15	<20	54	0.08	<10	77	<10	7	72

df/376
XLS/99

ECO-TECH LABORATORIES LTD.
Frank J. Pezzotti, A.Sc.T.
B.C. Certified Assayer

9-Nov-99

ECO-TECH LABORATORIES LTD.
10041 East Trans Canada Highway
KAMLOOPS, B.C.
V2C 6T4

Phone: 250-573-5700
Fax : 250-573-4557

ICP CERTIFICATE OF ANALYSIS AK 99-433R

ED FREY
PO BOX 1437
KAMLOOPS, BC
V2C 6L7

ATTENTION: ED FREY

No. of samples received: 2
Sample type: Till
PROJECT #: None Given
SHIPMENT #: None Given
Samples submitted by: Ed Frey

Values in ppm unless otherwise reported

CM #2&3

LD-1

Et #.	Tag #	Weight (g) -230 Mesh	Weight (g) +230 Mesh	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	99TE621	61	3859	10	<0.2	2.34	10	190	15	0.79	<1	25	104	112	3.64	20	1.53	431	<1	0.02	48	250	14	10	<20	32	0.26	<10	108	<10	56	40
2	99TE881	85	9080	5	<0.2	0.79	10	65	5	1.79	<1	17	27	34	2.42	20	0.45	497	<1	0.02	30	1360	12	<5	<20	81	0.05	<10	28	<10	24	53

QC DATA:

Repeat:

1	99TE621			10	<0.2	2.29	10	180	15	0.77	<1	25	103	109	3.61	20	1.50	427	<1	0.02	47	250	14	15	<20	30	0.26	<10	105	<10	55	40

Standard:

GEO'99				115	1.0	1.69	60	155	15	1.80	<1	18	59	85	3.86	20	0.94	647	<1	0.02	25	750	24	5	<20	53	0.10	<10	74	<10	8	71

df/433
XLS/99

ECO-TECH LABORATORIES LTD.
Per Frank J. Pezzotti, A.Sc.T.
B.C. Certified Assayer

9-Nov-99

ECO-TECH LABORATORIES LTD.
10041 East Trans Canada Highway
KAMLOOPS, B.C.
V2C 6T4

Phone: 250-573-5700
Fax : 250-573-4557

ICP CERTIFICATE OF ANALYSIS AK 99-537R

ED FREY
PO BOX 1437
KAMLOOPS, BC
V2C 6L7

ATTENTION: ED FREY

No. of samples received: 1
Sample type: Till
PROJECT #: None Given
SHIPMENT #: None Given
Samples submitted by: Ed Frey

Values in ppm unless otherwise reported

Et #.	Tag #	Weights(g) -230	+230	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
CM-2 1	99TE622	39	4173	5	<0.2	3.55	50	180	15	0.94	<1	31	123	110	5.10	<10	1.39	816	<1	0.02	59	670	14	10	<20	31	0.21	<10	143	<10	49	52
QC DATA:																																
Repeat:																																
1	99TE622			5	<0.2	3.63	60	175	15	0.96	<1	32	124	110	5.16	<10	1.41	812	<1	0.02	60	700	14	<5	<20	30	0.22	<10	145	<10	51	52
Standard:																																
GEO'99				125	1.0	1.79	65	155	10	1.78	<1	20	64	85	3.83	<10	0.99	650	<1	0.02	24	680	18	10	<20	56	0.08	<10	78	<10	8	70

df/537
XLS/99

per **ECO-TECH LABORATORIES LTD.**
Frank J. Pezzotti, A.Sc.T.
B.C. Certified Assayer

9-Nov-99

ECO-TECH LABORATORIES LTD.
10041 East Trans Canada Highway
KAMLOOPS, B.C.
V2C 6T4

Phone: 250-573-5700
Fax : 250-573-4557

ICP CERTIFICATE OF ANALYSIS AK 99-562R

ED FREY
PO BOX 1437
KAMLOOPS, BC
V2C 6L7

ATTENTION: ED FREY

No. of samples received: 4
Sample type: Till
PROJECT #: None Given
SHIPMENT #: None Given
Samples submitted by: Ed Frey

Values in ppm unless otherwise reported

Et #.	Tag #	Weights(g) -230	Weights(g) +230	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Tl %	U	V	W	Y	Zn
MF-1 1	99TE0241	70	4767	<5	<0.2	2.24	<5	85	5	0.05	<1	21	41	89	4.65	30	1.23	455	6	<0.01	82	330	22	<5	<20	8	<0.01	<10	17	<10	<1	79
CM-3 2	99TE241	29	5675	5	<0.2	4.50	10	145	10	1.61	<1	54	140	218	6.68	<10	2.48	1956	<1	0.03	78	530	18	10	<20	160	0.28	<10	182	<10	91	86
MF-2 3	99TE491	70	6583	10	0.2	1.64	30	85	10	1.13	3	31	40	162	5.46	<10	1.08	933	7	<0.01	53	1510	16	<5	<20	91	0.05	<10	49	<10	<1	200
4	99TE761	87	7037	5	<0.2	1.57	25	80	10	2.45	2	24	52	107	4.17	10	1.07	733	2	0.02	49	1150	14	5	<20	144	0.08	<10	47	<10	<1	145

QC DATA:

Repeat:

1	99TE0241		-	<0.2	2.13	<5	75	5	0.05	<1	20	39	86	4.48	30	1.17	438	5	<0.01	80	350	22	<5	<20	6	<0.01	<10	17	<10	<1	77
4	99TE761		<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Standard:

GEO'99		115	1.0	1.77	70	150	10	1.80	1	18	63	82	3.83	<10	0.96	683	<1	0.02	23	670	22	5	<20	54	0.09	<10	75	<10	6	66

df/546D
XLS/99

ECO-TECH LABORATORIES LTD.
Frank J. Pezzotti, A.Sc.T.
B.C. Certified Assayer

LEGEND

till AREAS OF THICK GLACIAL TILL COVER

CRETACEOUS INTRUSIVE ROCKS

Kg BALDY BATHOLITH – GRANODIORITE

d DIORITE

DEVONIAN & PERMIAN FENNEL FORMATION

B BASALTIC VOLCANIC ROCKS

Bm MASSIVE BASALT

Bp PILLOWED BASALT

Bm/p MASSIVE AND OR PILLOWED BASALT

Bv VARIOLITIC BASALT

gb GABBRO

db DIABASE

SEDIMENTARY ROCKS

ch CHERT

arg ARGILLITE

(SEE ALSO 1999 LEGEND)

1999 ROAD STATUS: 2WD 4WD

JANUARY 2000 MINING CLAIM STATUS: NO VALID CLAIMS IN THE MAP AREA

99-47 pg. 68

SYMBOLS

GEOLOGICAL BOUNDARY (defined, approximate)

FAULT

BEDDING MEASUREMENT

CLEAVAGE

FOLIATION

PILLOW TOPS (known)

BRECCIA

GLACIAL STRIAE

DIAMOND DRILL HOLE

SYMBOLS

OUTCROP

x SMALL OUTCROP LOCATION

GRAVEL LOGGING ROAD

TRAIL

LOGGED AREA

CREEK OR STREAM

chl chloritized

si silicified

qtz quartz

ca calcite

bx breccia

dol dolomitization

CONTOUR INTERVAL: 10 METRES

MaxMin Conductor

87029 1995 Diamond Drill Hole

MAP CM-2

Scale 1:5000

0 100 200 300 400 500 METRES

SHEET 1

SHEET 2

SHEET 3

CHINOOK MOUNTAIN AREA

REFERENCE NUMBER 99/2000 – P.136 1999 GEOLOGY: E.D. FREY / D. DUBA

GEOLOGICAL BRANCH ASSESSMENT REPORT

24,180

INCO EXPLORATION Vancouver, B.C. V6C 2X8

Project: CM PROJECT	Area: BARRIERE, B.C.

GEOLOGY MAP — SHEET 2/3 — FIGURE 4

Supervisor: Scott Casselman	Instrument:	Survey date:
Compiled by: Scott Casselman, Cam Bell	Drawn by: Ian Casidy	Date drawn: 05/09/94 — Revised: 11/15/95
Scale: 1:5000	File: CHI038.DWG	N.T.S. 92P/8

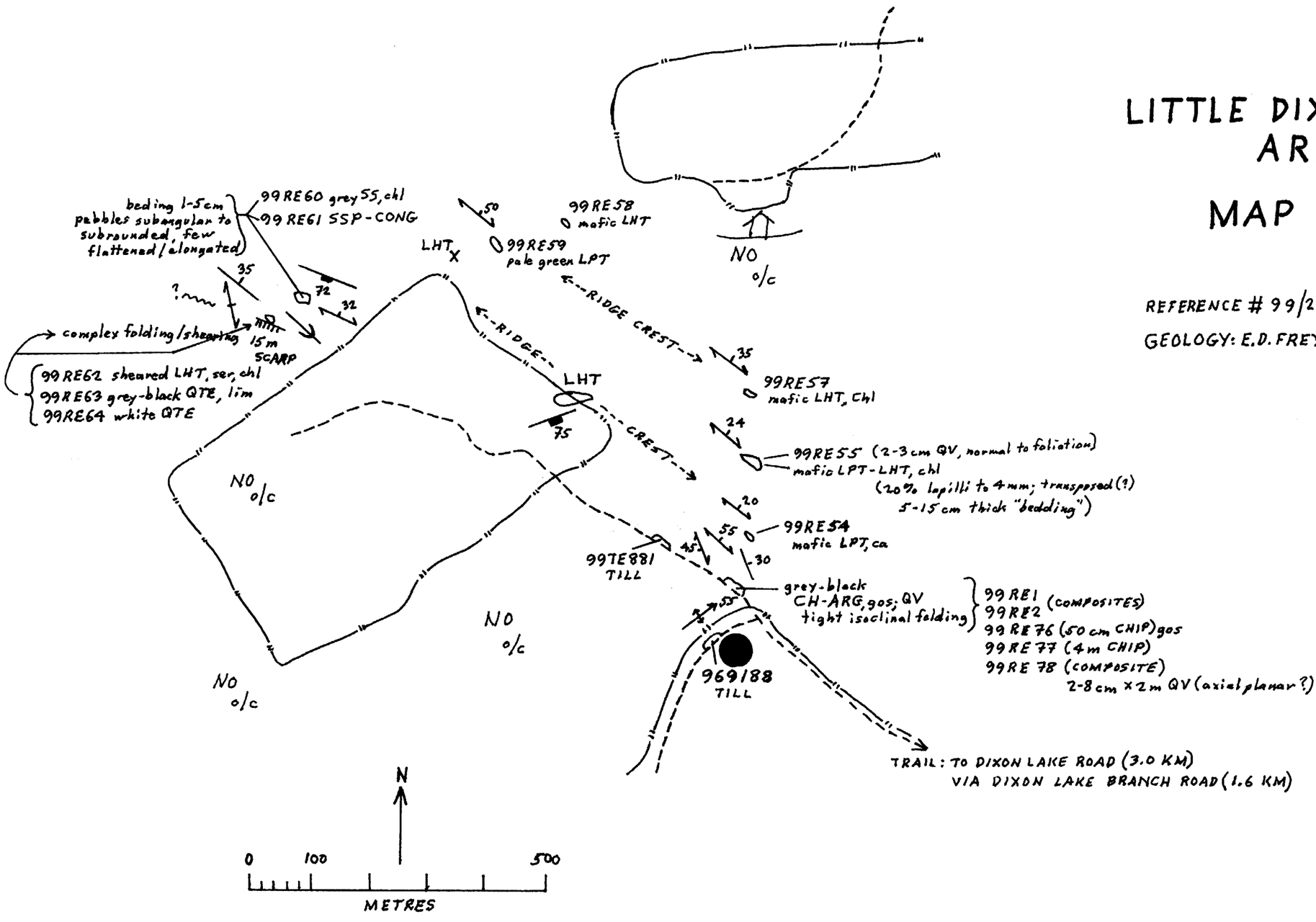
EQ EMG ... (1999-2000)

LITTLE DIXON LAKE AREA

MAP LD-1

REFERENCE # 99/2000 P136

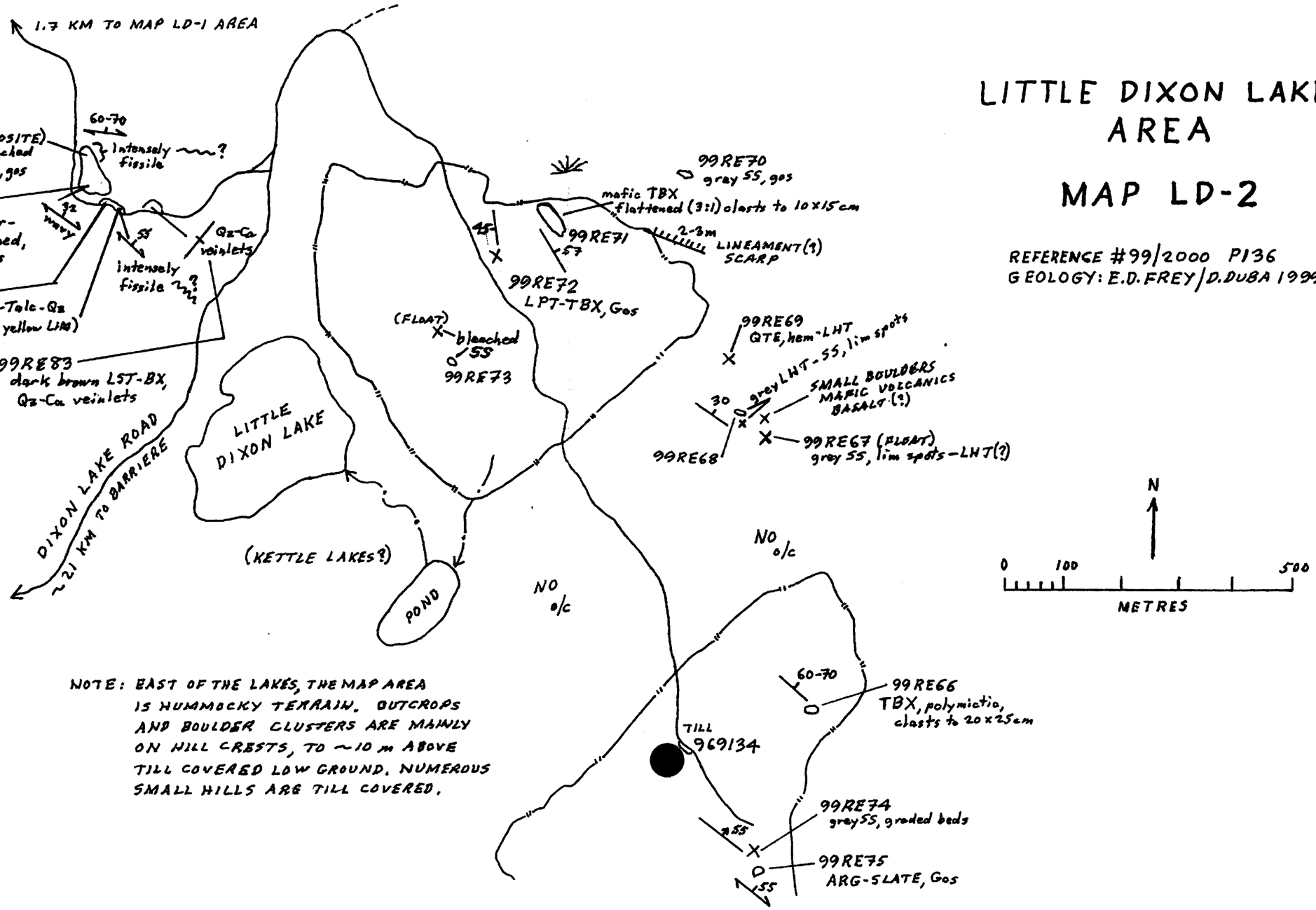
GEOLOGY: E.D. FREY/D. DUBA 1999



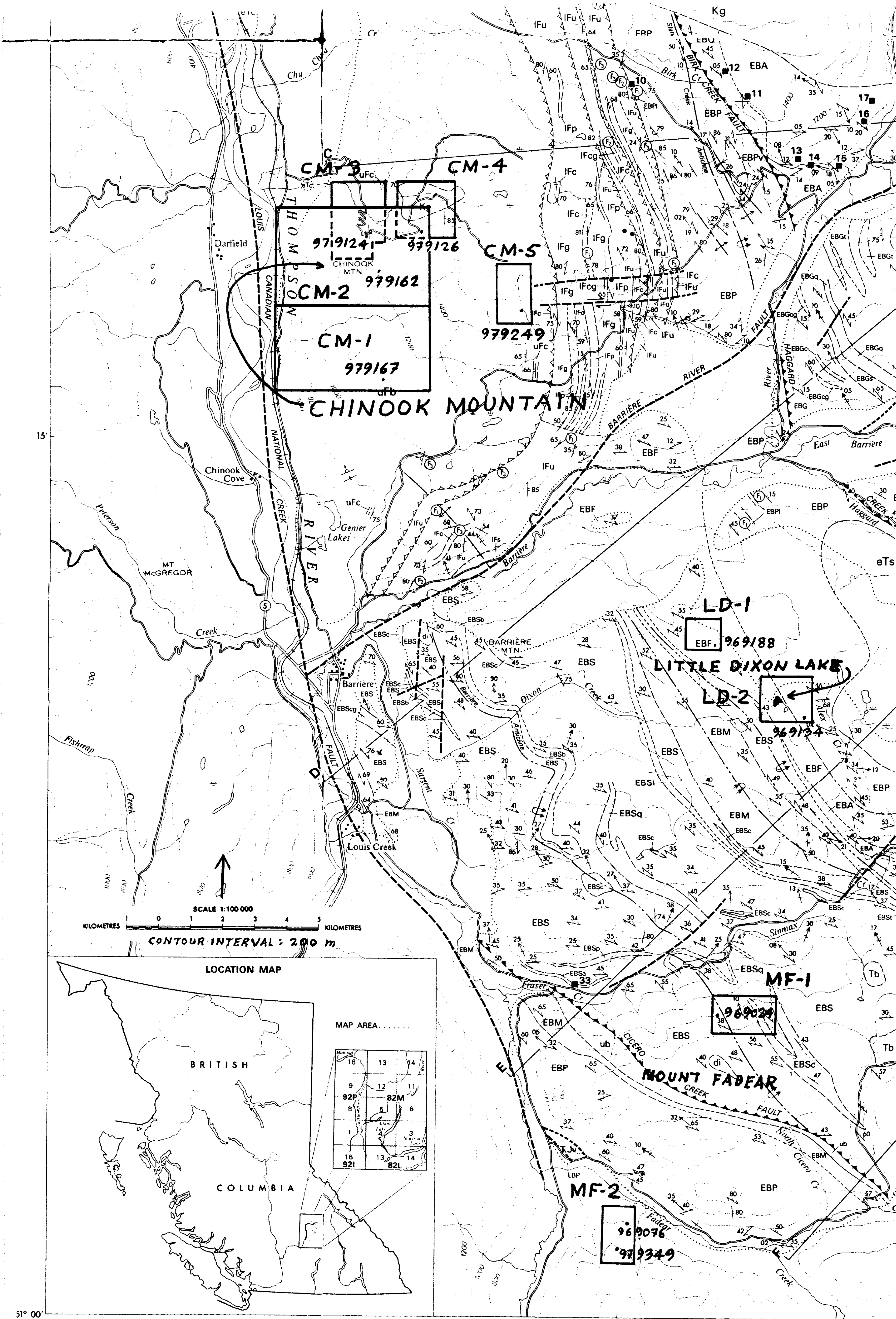
LITTLE DIXON LAKE AREA

MAP LD-2

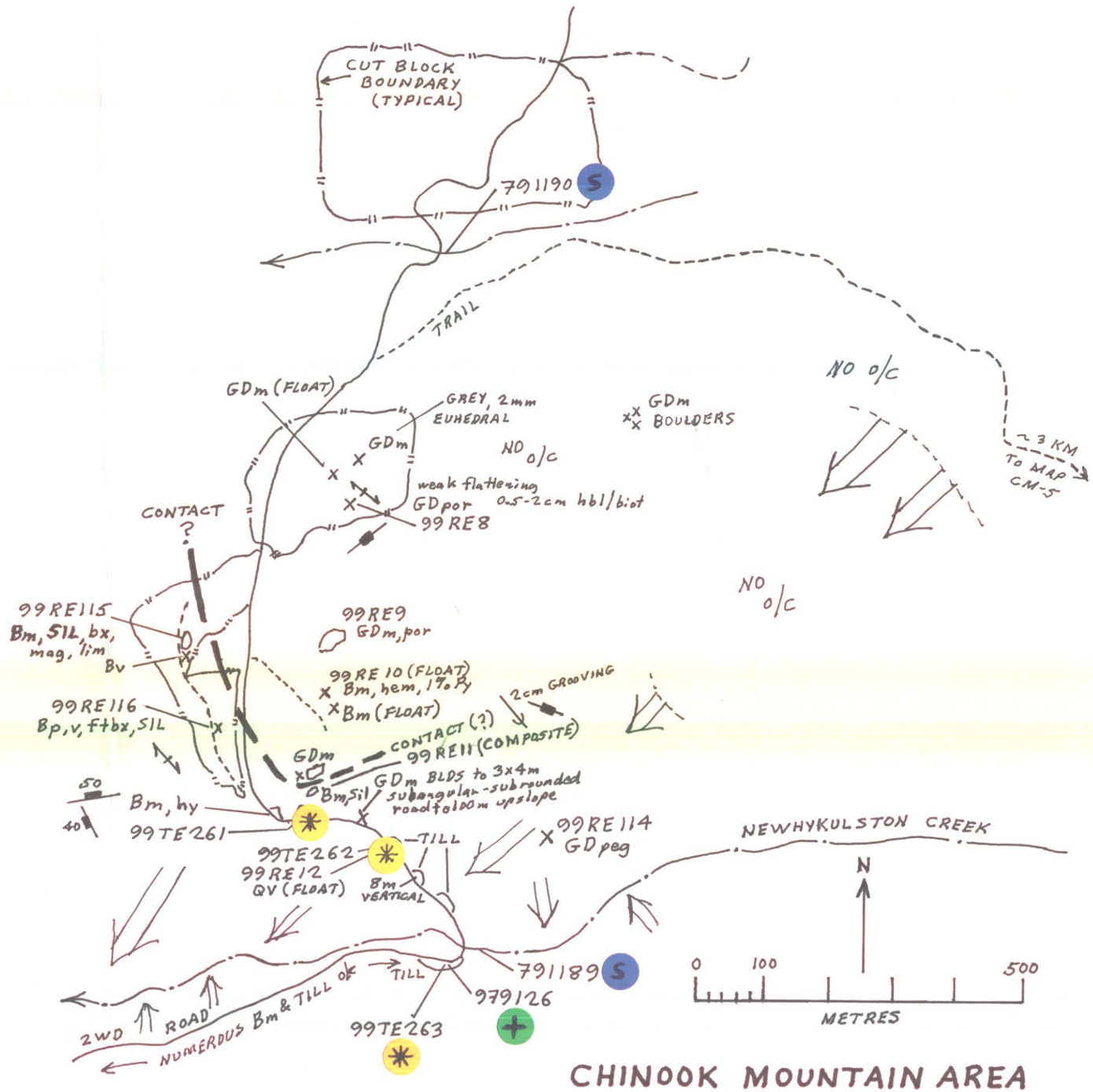
REFERENCE #99/2000 P136
GEOLOGY: E.D. FREY/D. DUBA 1999



NOTE: EAST OF THE LAKES, THE MAP AREA IS HUMMOCKY TERRAIN. OUTCROPS AND BOULDER CLUSTERS ARE MAINLY ON HILL CRESTS, TO ~10 m ABOVE TILL COVERED LOW GROUND. NUMEROUS SMALL HILLS ARE TILL COVERED.



INDEX MAP: REFERENCE #99/2000 P136 E.D. FREY 1999



CHINOOK MOUNTAIN AREA
MAP CM-4 99-47

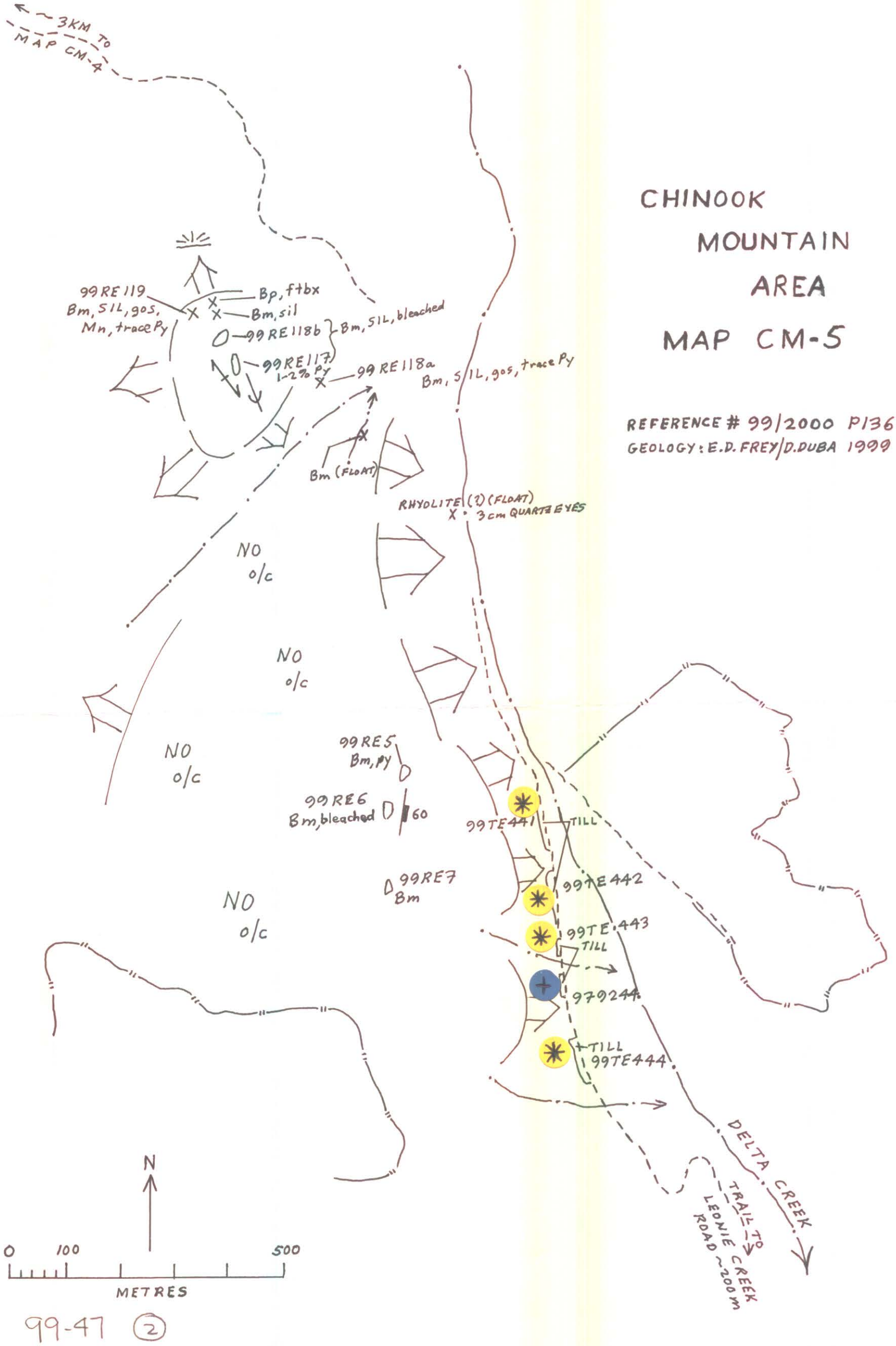
REFERENCE NUMBER 99/2000
P136

GEOLOGY: E.D. FREY/D. DUBA 1999

CHINOOK MOUNTAIN AREA

MAP CM-5

REFERENCE # 99/2000 P136
GEOLOGY: E.D. FREY/D.DUBA 1999

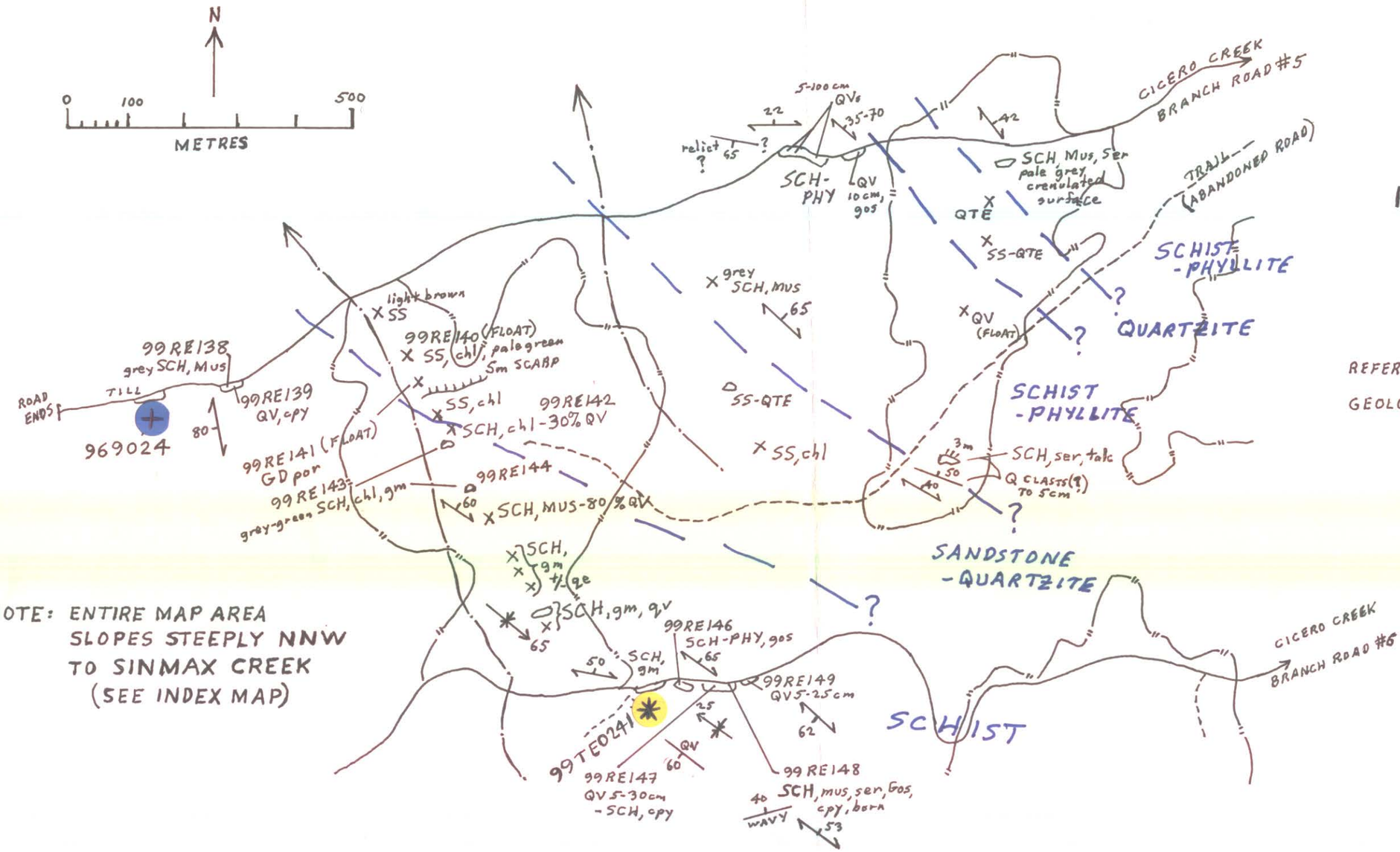


99-47 (2)

MOUNT FADEAR AREA MAP MF-1

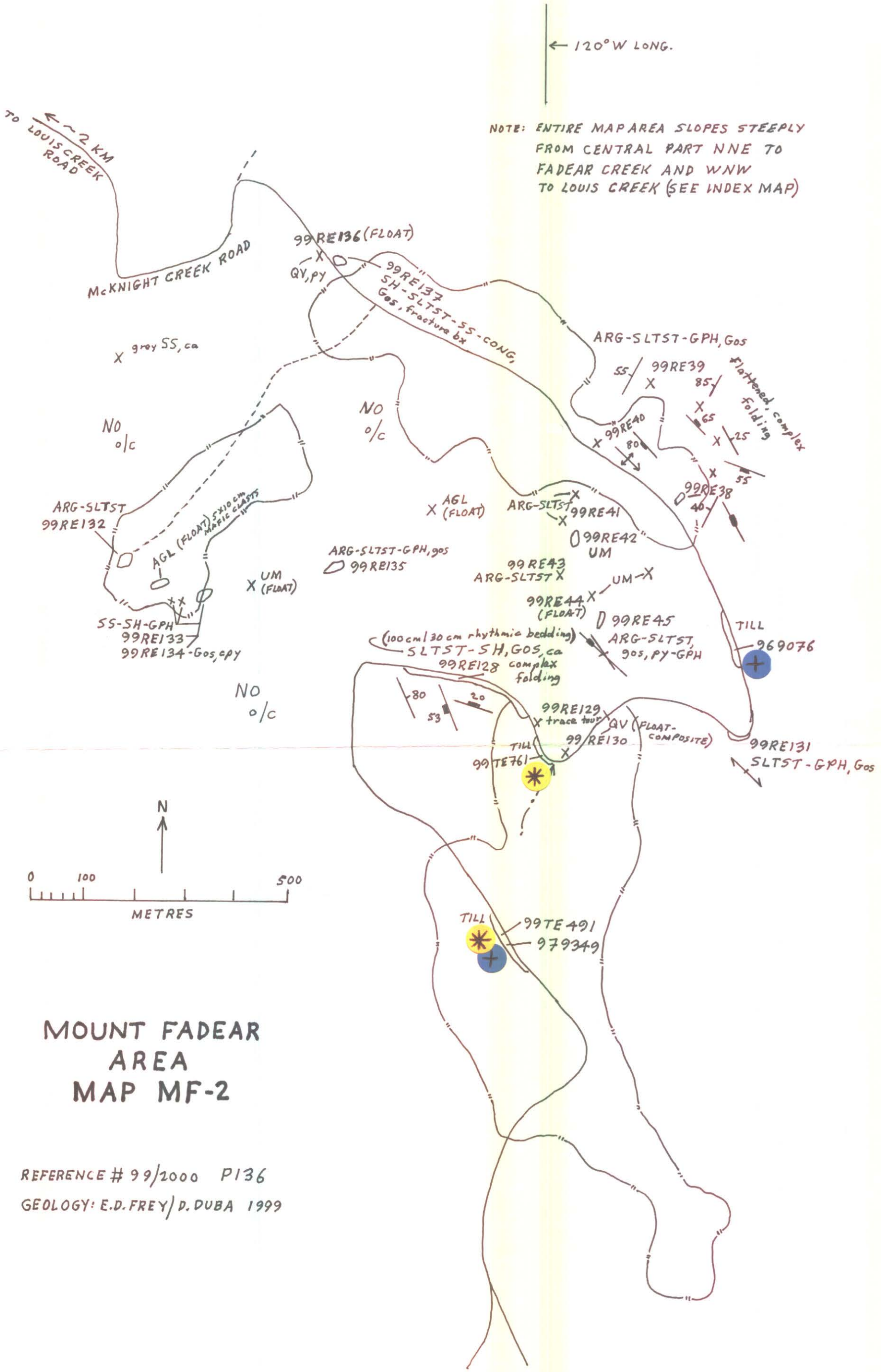
REFERENCE # 99/2000 P136

GEOLOGY: E.D. FREY / D. DUBA 1999



NOTE: ENTIRE MAP AREA SLOPES STEEPLY NNW TO SINMAX CREEK (SEE INDEX MAP)

99-47 (3)



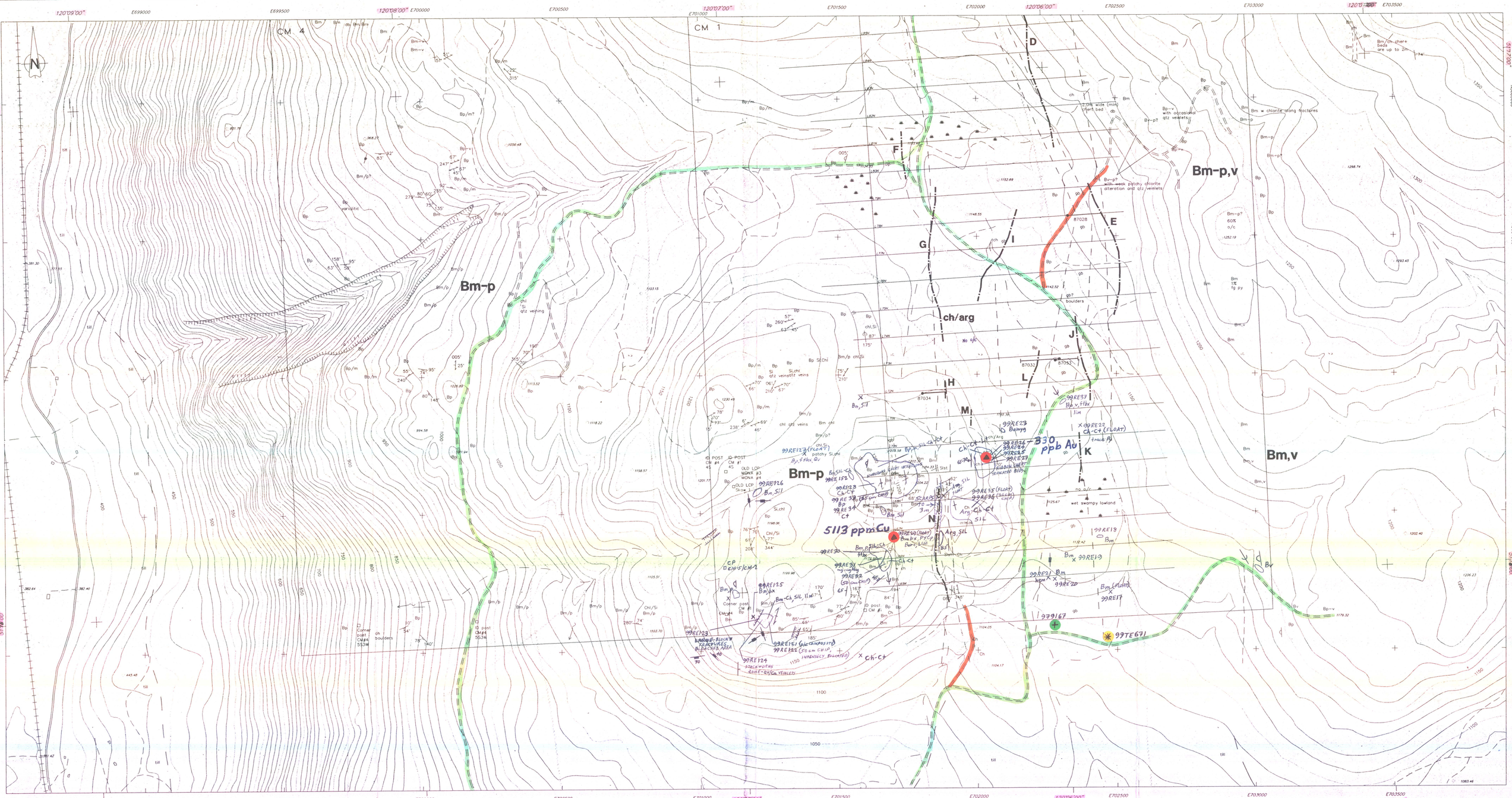
MOUNT FADEAR AREA MAP MF-2

REFERENCE # 99/2000 P136

GEOLOGY: E.D. FREY/D. DUBA 1999

99-47 (4)

N
NEWHYKULSTON CREEK
NEWHYKULSTON CREEK FAULT ZONE
L126N
L124N
L122N
L120N
L118N
L116N
L114N
L112N
L110N
L108N
L106N
L104N
L102N
RX 052551
RX 052550
RX 052552
RX 052553
RX 052554
RX 052555
RX 052517
RX 052556
BL 97+00E
CM 5
LOWER SHOWING
(Massive Sulphide horizon)
ROAD
10m
SUMP
OPEN CUT 3m
QUARRY ROCK
Ch-Arg
Py
3m PIT
FILLED TRENCH 2-3m
920ppb Au
40g/t Ag
10.3% Cu 99RE86
PY-MAL (massive)
1.42g/t Au, 35g/t Ag
10.95% Cu
99RE87 (25cm CHIP) MAL-LIM
99RE88 Ch-Arg, lim black structurally above (NE) #87
6186ppm Cu
99RE93
PY(massive)-QV-Ch
1.38g/t Au, 5.72% Cu
4.45 g/t Au 4.6 % Cu
2.72 3.71
35.9g/t Ag
99RE85/99RE89 (FLOAT)
PY(massive), LIM, cpy
99RE90 FERROCRETE PY (BX?), MAL, cpy
2.06g/t Au, 35.6 g/t Ag, 13.2% Cu
99RE84 (30 cm CHIP)
GOS-PY-Arg-Ch
1.14g/t Au, 2649ppm Cu
99RE91 Ch, Bx-Arg
99RE92 LIM-Ch Sil
2403ppm Cu
UPPER SHOWING
(Massive Magnetite in chert horizon)
RX 052541
RX 052539
RX 052520
RX 052518
RX 052561
RX 052560
RX 052519
RX 052562
CM-88-11
CM-88-9
CM-88-1
CM-88-10
RX 052521
RX 052522
RX 052523
CM-88-8
CM-88-17
CM-88-6
RX 052524
99RE99
CM-88-12
Ch-Py (5cm CLOTS)
OUTCROP AREA
ROAD
15m
TRAIL TO TRENCH
Ch-Arg
Py
99RE98 Ch-Arg, LIM, SIL
1257ppm Cu
ADJACENT
99RE94 2.64% Cu
PY(massive, grey) Mag, LIM, cpy
99RE95
Py, Mag-Ch, BX
1.12% Cu
99RE96
Py(massive) -Ch, bx, Cpy, mag, mal, born, MN, LIM
6455ppm Cu
FILLED TRENCH
99RE97
20cm FAULT GOUGE
PY, LIM
5319ppm Cu
CM-88-16
CM-88-2
CM-88-14
CM-88-13
RX 052564
RX 052563
RX 052565
CM-88-15
RX 052544
RX 052545
RX 052543
MAP CM-3
CHINOOK MOUNTAIN AREA
REFERENCE NUMBER 99/2000 - P136
1999 GEOLOGY: E.D.FREY/D.DUBA
MCM-89-4
979124
Area of up to 13g/t Au/1m reported from unidentified 1987 surface samples (Farmer et al., 1987). Drilling results: up to 435 ppb Au & 7.83% Cu in narrow Ch-Arg lenses
GOLD ZONE
CM 3
CM 2
CM-88-4
Bm-Ch, fracture bx, gossan amyd, chl, SIL
99RE157→154
CHIP ACROSS 1.2m GOSSAN/GOUGE FAULT(?)
99RE157 (50 cm)
99RE156 (30cm)
99RE155 (40 cm CENTRE 154→156)
99RE154 (40cm)
Ch, Py (fine fractures), Mn
99RE163
CM-87-1
99RE105 Ch 1% Py
99RE104 Bm, SIL-Ch 1-3% Py
99RE103 99RE102 99RE101
50 cm CHIP (EACH) 1.5 m SECTION
Bm, SIL MN, lim 1-2% Py
99RE100 (FLOAT)
Bm, SIL, fracture Bx, Py
MCM-89-3
Bm, SIL
MCM-89-1
99RE112 30 cm QV
CM-87-2
99RE113a
Bp, ftbx, SIL, lim
99RE162 Ch, fracture bx, trace Py
CM-90-8
99RE161 Bm, ftbx, Mn, trace Py, SIL
99RE160 — 330ppb Au
Bm, SIL, fracture bx, MN, hem, qv
99RE106 Ch, bx-Bm, SIL 1% Py
CM-88-3
99RE159 Bm, SIL, chl, lim fracture bx
99RE158 Bm, SIL
99TE241
99RE111 Bm, SIL, fracture bx
Bm, SIL, 3cm bx
99RE153
MCM-89-2
CM-88-5
99RE110 Bm, SIL, 1% Py
FEW SMALL OUTCROPS Bm - Bp ON RIDGE CREST & UPPER SLOPES
Bp, amyg 99RE47
Bm, SIL 2m SCARP 99RE48
6 X 4 cm BLOCKY FRACTURE CLEAVAGE
Bp, ftbx
1100
1200
RX 052548
RX 052547
RX 052546
RX 052549
Bm, SIL-Ch 99RE109
4m SCARP
10 X 6 cm BLOCKY FRACTURE SPACING
Bm, Sil, Py diss. 1% 99RE108
Bm, bx, SIL-Ch 99RE107 (FLOAT)
3m SCARPS NO o/c
X CHINOOK MOUNTAIN
3m SCARPS Bm, Sil 99RE49
MCM-89-5
Bm
Bm, LIM 99RE51
NEWHYKULSTON CREEK
CM-90-7
99RE50 Bm, sil, lim
99TE621
RX 052559
RX 052558
RX 052557
CM-88-7
FAULT ZONE
99RE46 (FLOAT)
CM-90-6
Bm, chl
BL 100 E
LEGEND (SEE ALSO 1999 LEGEND)
5 GRANODIORITE
4 ARGILLITE
3 CHERT
2 GABBRO
1 BASALT
1a MASSIVE BASALT
1b PILLOW BASALT
1c BASALT BRECCIA
1d AMYGDALOIDAL BASALT
ROCK SAMPLE ANALYZED FOR 32 ELEMENT ICP AND Au
ROCK SAMPLE ANALYZED BY WHOLE ROCK AND INAA ANALYSIS
ROCK SAMPLE SENT FOR PETROGRAPHIC STUDY
PULSE EM ANOMALY
CM-87-1 DIAMOND DRILL HOLE LOCATION
FAULT
GEOLOGICAL CONTACT
OUTCROP LOCATION
CLAIM LINES (NO VALID CLAIMS: JAN. 2000)
ROAD
2WD ROAD (1999)
4WD ROAD (1999)
Scale 1:2500
0 50 100 150 200 250
METRES
CONTOUR INTERVAL: 10m
AR 23155
INCO EXPLORATION AND TECHNICAL SERVICES INC.
Vancouver, B.C. V6C 2X8
99-47 (5)
Project: CM PROPERTY
Area: BARRIERE, B.C.
1993 COMPILATION MAP
SHEET
FIGURE 4
Supervisor: Jim Morin
Instrument:
Survey date:
Compiled by: Scott Casselman
Drawn by: Ian Casidy
Date drawn: 12/08/93
Revised: 07/12/94
Scale: 1 : 2500
File: CHI005.DWG
N.T.S. 92P/8E



LEGEND

SYMBOLS

till AREAS OF THICK GLACIAL TILL COVER

CRETACEOUS INTRUSIVE ROCKS

Kg BALDY BATHOLITH – GRANODIORITE

d DIORITE

DEVONIAN & PERMIAN FENNEL FORMATION

B. BASALTIC VOLCANIC ROCKS

Bm MASSIVE BASALT

Bp PILLOWED BASALT

Bm/p MASSIVE AND OR PILLOWED BASALT

Bv VARIOLITIC BASALT

gb GABBRO

db DIABASE

SEDIMENTARY ROCKS

ch CHERT

arg ARGILLITE

GEOLOGICAL BOUNDARY (defined, approximate)

FAULT

BEDDING MEASUREMENT

CLEAVAGE

FOLIATION

PILLOW TOPS (known)

BRECCIA

GLACIAL STRIAE

87034 1995 Diamond Drill Hole

A Maxmin Conductor

OUTCROP

x SMALL OUTCROP LOCATION

GRAVEL LOGGING ROAD

TRAIL

LOGGED AREA

CREEK OR STREAM

chl chloritized

si silicified

qtz quartz

ca calcite

bx breccia

dol dolomitization

(SEE ALSO 1999 LEGEND)

1999 ROAD STATUS: 2WD 4WD

JANUARY 2000 MINING CLAIM STATUS:
NO VALID CLAIMS IN THE MAP AREA

CHINOOK MOUNTAIN AREA

MAP CM-1

REFERENCE NUMBER 99/2000 - P136 1999 GEOLOGY: E.B. FREY/D. DUBA

SHEET 1
SHEET 2
SHEET 3

99-47 (6)

ASSESSMENT REPORT

24,180

Scale 1:5000

0 100 200 300 400 500 METRES

CONTOUR INTERVAL: 10 METRES

Ed Frey PAP P136 99-2000

INCO EXPLORATION Vancouver, B.C. V6C 2X8

Project: CM PROJECT | Area: BARRIERE, B.C.

GEOLOGY MAP | SHEET 3/3 | FIGURE 5

Supervisor: Scott Casselman	Instrument:	Survey date:
Compiled by: Scott Casselman, Cam Bell	Drawn by: Ian Cassidy	Date drawn: 05/09/94 — Revised: 11/10/95
Scale: 1:5000	File: CHI032.DWG	N.T.S. 92P/8