

ARIS SUMMARY SHEET

District Geologist, Smithers

Off Confidential: 94.10.27

ASSESSMENT REPORT 23147

MINING DIVISION: Liard

PROPERTY: Skyline
LOCATION: LAT 56 39 00 LONG 131 03 00
UTM 09 6280092 374306
NTS 104B11E

CAMP: 050 Stewart Camp

CLAIM(S): Reg, Sky, El Oro

OPERATOR(S): Cominco

AUTHOR(S): Callan, N.J.

REPORT YEAR: 1993, 60 Pages

COMMODITIES

SEARCHED FOR: Gold

KEYWORDS: Triassic, Stuhini Group, Volcanics, Sediments, Intrusives, Folds, Faults
Alterations, Skarns, Veins, Magnetite, Sulphides

WORK

DONE: Drilling, Geochemical

DIAD 934.3 m 7 hole(s); BQ

Map(s) - 8; Scale(s) - 1:2500, 1:250

SAMP 440 sample(s) ; AU, AG, CU, PB, ZN

MINFILE: 104B

2

COMINCO LTD.

EXPLORATION

NTS 104B11

WESTERN CANADA

LOG NO:	DEC 23 1993	RD.
ACTION:		
FILE NO:		

ASSESSMENT REPORT

1993 DIAMOND-DRILLING - SKYLINE PROPERTY

**SUB-RECORDER
RECEIVED**
DEC 08 1993
M.R. #.....\$.....
VANCOUVER, B.C.

LATITUDE: 56 39 N

LONGITUDE: 131 03 W

LIARD MINING DISTRICT, B.C.

CLAIMS COVERED: REG 1, SKY 1, EL ORO

WORK PERFORMED: AUGUST 24 - SEPTEMBER 11

OWNER: SKYLINE GOLD CORP., VANCOUVER

OPERATOR: COMINCO LTD/PRIME RESOURCES GROUP INC.

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

23,147

DECEMBER 1993

NICK CALLAN

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COMINCO LTD.

EXPLORATION

WESTERN CANADA

NTS 104B11

1993 ASSESSMENT REPORT

DIAMOND DRILLING - SKYLINE OPTION

1.0 SUMMARY

Seven diamond drill holes, totalling 934.3 m, were drilled on the Skyline option. Six of the seven holes reached target depth. One hole was abandoned short of the target in poor ground. No economically significant Au mineralization was intersected.

2.0 INTRODUCTION

Following field examinations in 1992, an option agreement was signed in March, 1993, between Cominco Ltd. and Skyline Gold Corp. allowing Cominco to explore part of Skyline's Bronson Ck. property. A programme of geochemistry and geophysics was carried out on selected parts of the option ground. Targets identified were subsequently tested with diamond drilling. The latter is the subject of this report.

3.0 LOCATION AND ACCESS

The Skyline option (see Figure 1) is located approximately 100 kms northwest of Stewart, B.C. and 80 kms east of Wrangell, Alaska at latitude 56 39 N and longitude 131 05 (NTS 104 B11). The property lies within the Iskut River Au camp (Liard M.D.) and covers ground immediately to the south and east of the currently producing Snip Au mine (Cominco Metals). The Johnny Mountain Mine (Skyline Gold Corp.) is situated approximately 2.5 kms south of the option boundary.

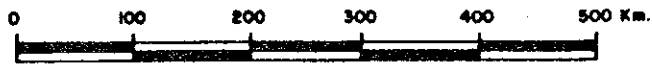
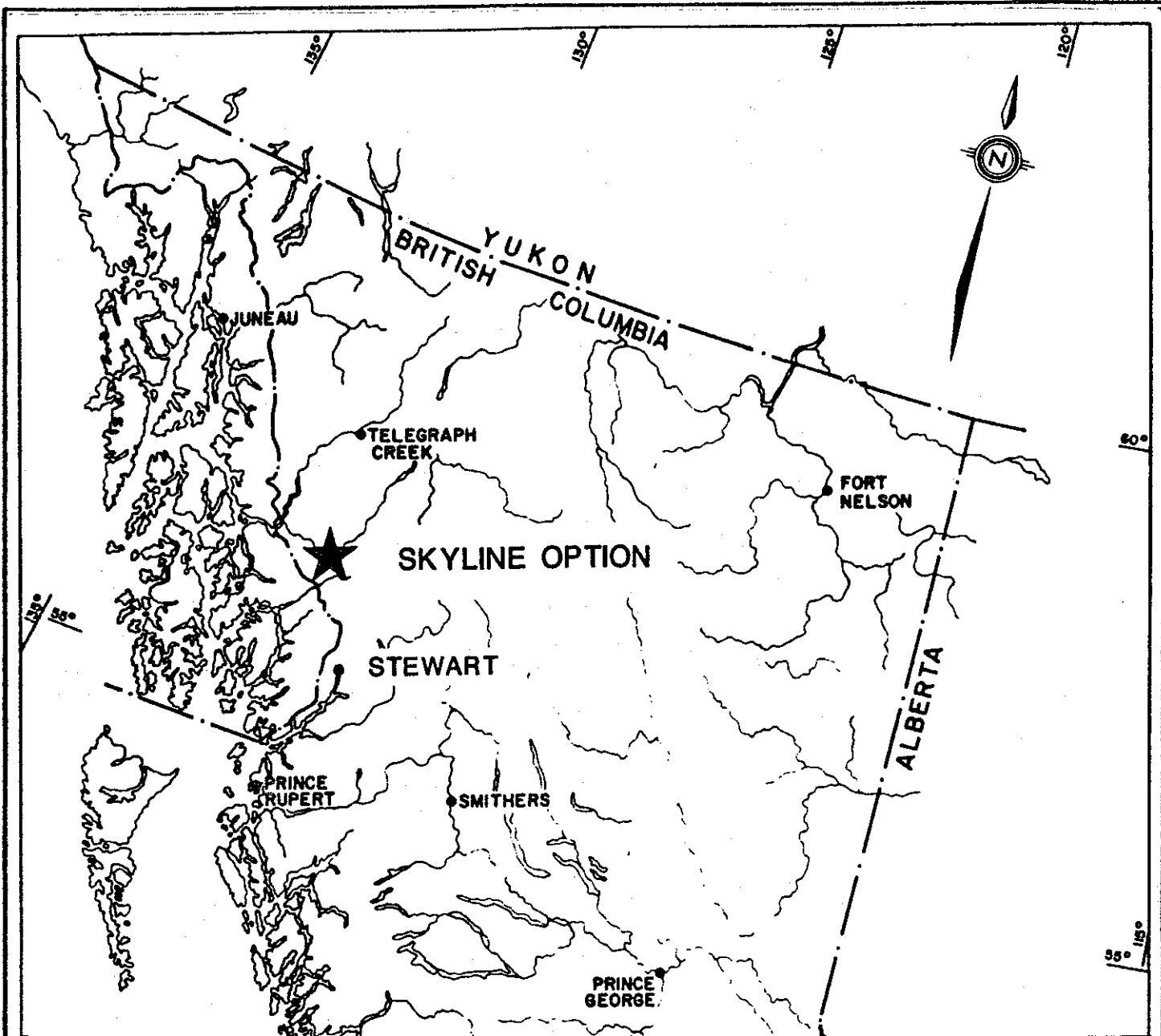
Airstrips at Snip mine (Bronson Strip) and Johnny Mountain facilitate fixed-wing access to the area. A 12 km rough gravel road between the Snip Mine and Johnny Mountain Mine, together with ATV trails on Skyline property, permit ATV/4X4 access to the option ground.

4.0 PHYSIOGRAPHY

The Skyline option lies in the Boundary Ranges of the Coast Mountains. The latter are characterized by extreme topographic relief with extensive alpine glaciation, and high levels of precipitation. The option ground ranges in elevation from 120 to 1100 m and includes flat to rolling topography at higher elevations with steep and locally extensively cliffed slopes extending to the valley floors. Vegetation comprises alpine meadow at higher elevations, dense coastal timber at the lower elevations and extensive alder thickets at tree-line and in slide areas.

5.0 TENURE

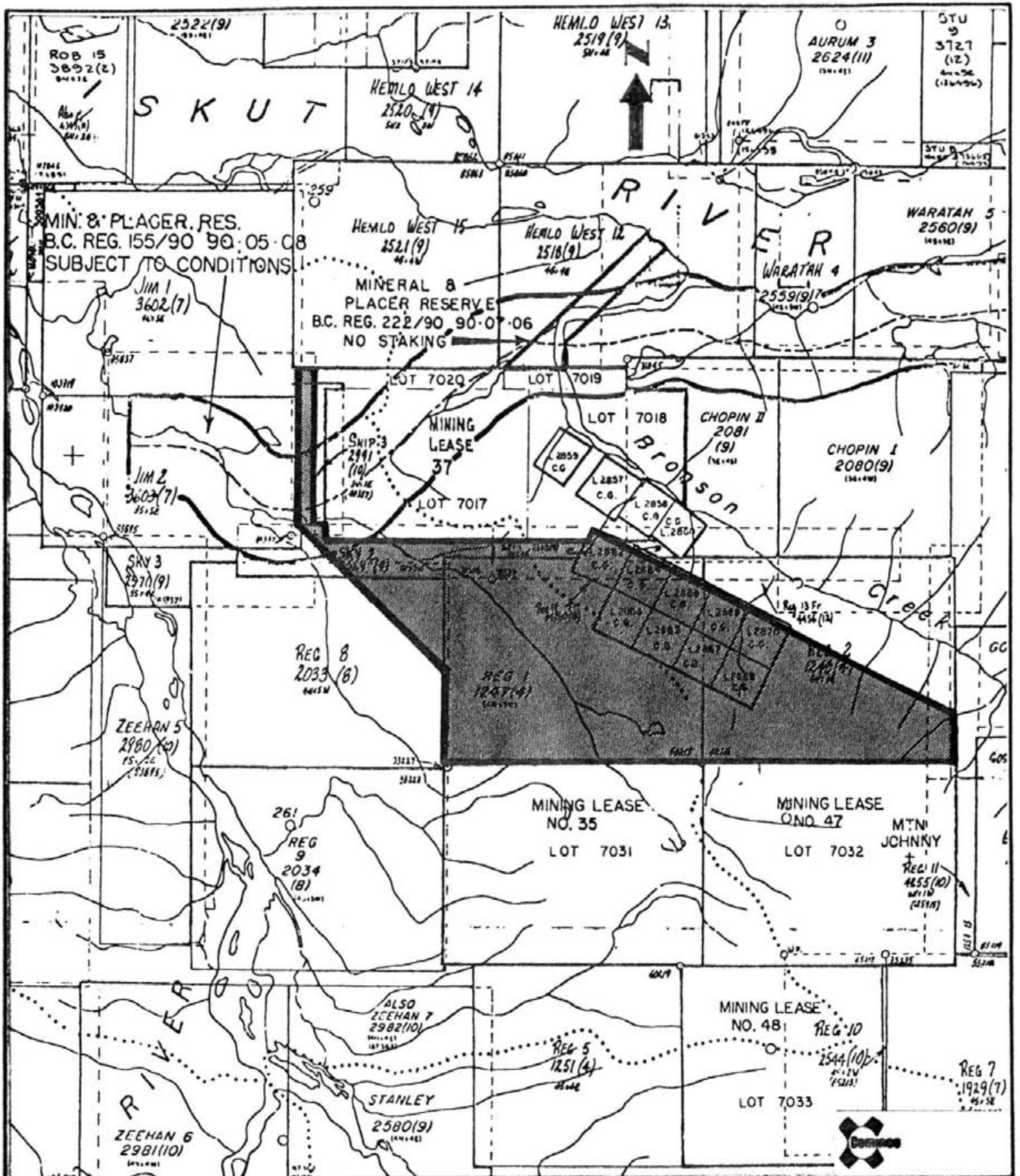
The disposition of the option with respect to claim boundaries is shown in Figure 2. Claims and crown grants covered or partially covered under the option agreement are listed below.



Drawn by:		Traced by:	
Revised by	Date	Revised by	Date

SKYLINE OPTION LOCATION MAP

Scale: 1:6,400,000 Date: Dec 93 Plate: 1



Drawn by:		Traced by:	
Revised by	Date	Revised by	Date

SKYLINE OPTION CLAIM MAP

Scale: _____ Date: Dec 93 Plate: 2

CROWN GRANTS	LOT #
Blu Grouse	002869
Brown Bear	002865
Copper Queen	002870
Discovery	002863
El Oro	002862
Golden Pheasant	002864
Iskoot	002866
Marguritte	002868
Silver Dollar	002867

CLAIMS	RECORD #	UNITS	DUE DATE
Reg 1	1247	20	01/04/2003
Reg 2	1248	20	01/04/2003
Reg 8	2033	20	21/08/2003
Sky 1	2568	8	13/09/1997
Sky 2	2569	5	13/07/1999
Sky 3	2570	9	13/09/1997

6.0 REGIONAL GEOLOGY

The Iskut River region lies on the western margin of the Stikine Terrane, within the Intermontane Belt of the B.C. cordillera. The western portion of the Stikine terrane is characterized by three stratigraphic assemblages ranging in age from Palaeozoic to Mesozoic. These assemblages comprise (i) late Palaeozoic metavolcanics and sediments of the Stikine Assemblage, (ii) arc related volcanic and sedimentary rocks of the Triassic age Stuhini Gp., (iii) arc related volcanics and sediments of the Jurassic age Hazelton Gp. Four intrusive suites are recognised in the region: (i) late Triassic calc-alkaline intrusions temporally associated with Stuhini stratigraphy, (ii) the Jurassic age Copper Mountain suite, (iii) Jurassic age, granodioritic to monzonitic intrusions of the Texas Ck. plutonic suite and (iv) the Coast Plutonic Complex of Tertiary age.

Structure in the Iskut River area is dominated by Cretaceous age contractional structures which have been recognized throughout the Cordillera, and which are expressed regionally as the Skeena Fold and Thrust Belt. Structures include upright anticlinoria and synclinoria with related thrust faulting, and associated mesoscale folds and penetrative fabrics. Evidence also exists for localised pre-Jurassic deformation.

Mineralization in the area includes Cu-(Au) porphyry and associated skarns, mesothermal Au shear veins, high level Au-Ag epithermal systems and submarine exhalative base/precious metal deposits. The bulk of these deposits are temporally and genetically related to intrusion (Texas Ck. suite) and related volcanism in a L. Jurassic age, subaerial to submarine volcanic arc type environment.

7.0 PROPERTY GEOLOGY

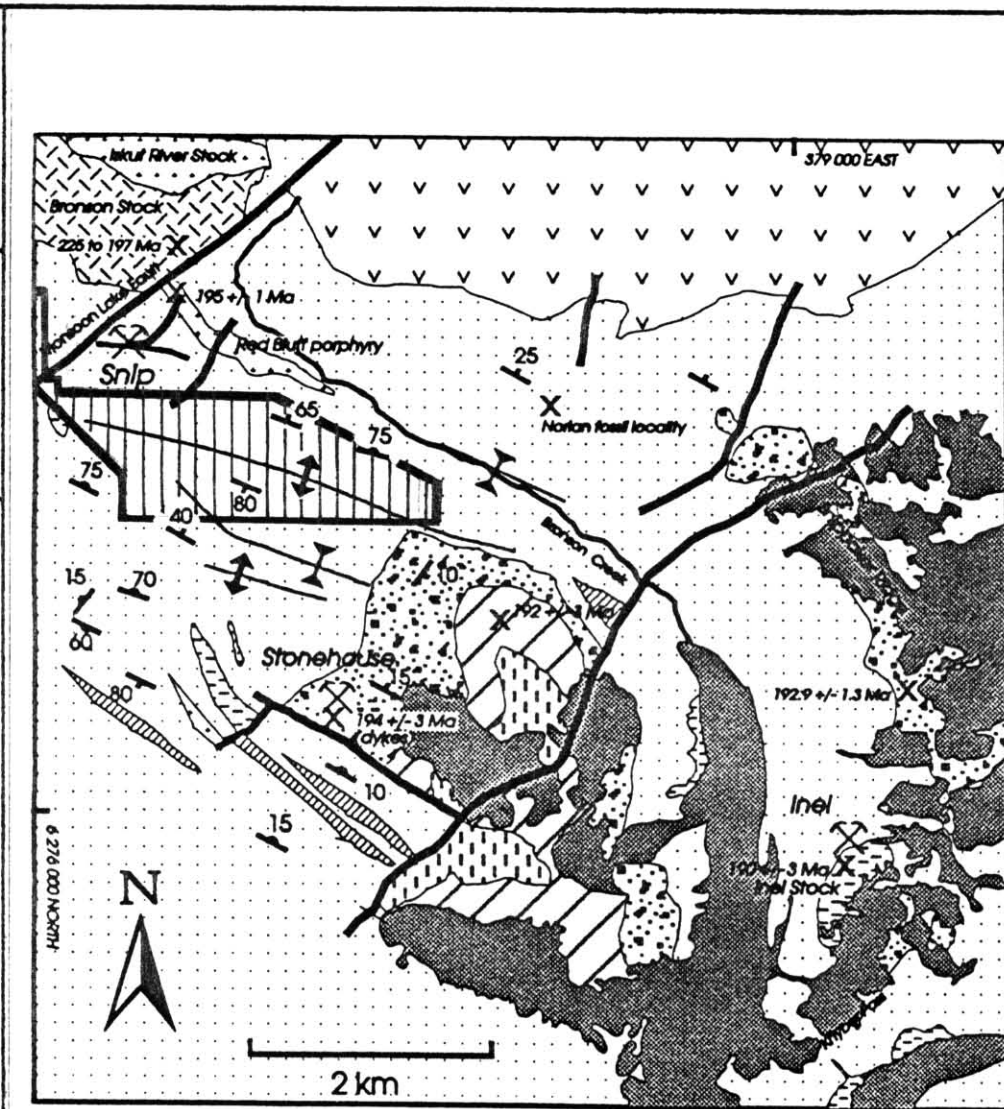
The option ground is underlain (see Figure 3) by a sequence of typically massive feldspathic to lithic greywackes with lesser interbedded mudstones, siltstones and local conglomerates. The latter contain clasts of both sedimentary and volcanic origin. Calcareous units occur sporadically within the sequence (Rhys, 1993). Tuffaceous and epiclastic volcanic units of predominantly intermediate to felsic composition occur in the SW corner of the option ground and immediately N of the option towards Bronson Ck.

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Revised by:	
Date:	
Traced by:	
Revised by:	
Date:	

Scale:	
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Date:	Dec 93
Plate:	3

Bronson Ck. Area Geology



Stratified Rocks

LOWER SEQUENCE (Triassic Stuhini Group)

- Greywacke, siltstone, mudstone and minor conglomerate
- Andesitic breccia to volcanic conglomerate
- Plagioclase phytic andesite

UPPER SEQUENCE (Jurassic Hazelton Group)

- Dacite - Andesite flows, breccia, tuff
- Rhyolite flows, welded lapilli tuff
- Basalt flows, epiclastic rocks

Intrusive Rocks

Triassic

- Diorite

Jurassic

- K-feldspar megacrystic porphyry
- Diorite, plagioclase porphyry

- Late steep fault
- S1 foliation
- S2 foliation
- Bedding
- D1 fold axial surface trace
- Glacial ice
- U-Pb zircon isotopic date
- Mineral deposit



SKYLINE OPTION

(Rhys, 1993)

Sediments in the extreme W part of the option are characterized by a more phyllitic appearance with pervasive disseminated and fracture/cleavage controlled, fine-grained biotite. This stratigraphy likely comprises part of the Triassic age Stuhini Gp.

Stratified units in the W part of the option are intruded by NW trending, steeply dipping, weakly to moderately foliated, locally K-spar megacrystic, felsic sills.

Structure within the Triassic sequence on the option ground comprises tight folding about NNW trending, sub-horizontal axes with steeply dipping axial surfaces. A penetrative foliation (S1) defined by orientation of phyllitic minerals parallels the axial surfaces. A major anticlinal structure separates NE facing strata at Snip from NW facing strata exposed west of Sky Ck. A second, subhorizontal spaced cleavage (S2) is superimposed on the earlier S1 foliation (Rhys, 1993).

8.0 STYLES OF MINERALIZATION

Characteristics of showings located in the area of the 1993 work (see Figure 4) are described in Table 1 (modified from Rhys, 1993). Reference should be made to Rhys (1993) and Moore et al. (1991) for details.

9.0 SUMMARY OF PREVIOUS WORK

Extensive work has been performed on the option ground since 1982. This work is summarized below. Reference should be made to previous assessment reports for details of programmes and results.

1980	Reg property staked
1981	Exploration focussed on Stonehouse Au vein deposit
1982	
1983	Placer Development/Skyline; property scale airborne EM
1984	Trenching and diamond drilling on Bonanza zone
1985	Pulse-EM surveys on Bonanza/Johnny Flats; Trenching and diamond drilling on Bonanza, Two Bit, Windsock showings; Trenching on C-3 showings.
1987	Red Bluff reconnaissance
1988	Red Bluff area: mapping, prospecting, soil geochem., trenching and diamond drilling of geochem. anomalies; VLF-EM and diamond-drilling on Road and Mike showings.
1989	mapping, prospecting, soil geochemistry; diamond drilling on CE, Windsock, Boundary, OSC, C-3 and Mike showings.
1990	Placer Dome/Skyline JV; mapping, geochem., trenching, mag., VLF; diamond drilling and down-hole EM on Bonanza zone: Skyline; diamond drilling on C-3.
1991	Skyline: trenching, sampling, diamond drilling on CE contact zone.

TABLE 1: DESCRIPTIONS OF SHOWINGS

Showing or deposit name	Commodities	Description	Vein or shear zone mineralogy	Alteration mineralogy
Twin zone	Au	Southwest dipping shear vein system with quartz-sulphide veins	CA,QZ,CL,BI,PY,PO,MO	Potassic: BI,KSP
Mike	Au(Cu,Zn)	Subvertical north striking massive pyrite vein	PY,CL,GL,CPY	
Sky Creek (veins)	Au	North dipping laminated shear veins	CA,QZ,CL,BI,PY,GL	Potassic(?),CA
Sky Creek (disseminated)	Au	Pyrite-sericite-carbonate alteration zone with sulphides disseminated & in veinlets	SER + PY > CPY	SER,PY,carbonate
OP	Pb,Zn	Southwest & northeast dipping veins & altered zones	PY,CPY,SP,GL,QZ,SER	QZ,SER
Boundary	Au	Subvertical northwest striking sulphide vein	PY,QZ,SP,GL	KSP
O.S.C.	Au	Subvertical north striking breccia vein	QZ,PY,CPY	KSP
CE Contact	Au,Ag,Pb,Zn	Abundant southwest dipping sulphide veins	PO,SP,CA	SER,PY
C-3	Au,Cu(Zn)	Moderate northeast dipping shear zone with pervasive sulphide dissemination	QZ,KSP,SER,CL,CA,PY PO,SP,CPY,Fe-carbonate	KSP,SER,CA, QZ,Fe-carbonate
Arsenic	Au	Steep dipping sulphide vein; pyrite disseminations and stockwork	PY,QZ,CA,Fe-carbonate	PY,Fe-carbonate, SER

Abbreviations: QZ = quartz; CA = calcite; SER = sericite; BI = biotite; CL = chlorite; KSP = K-feldspar; EP = epidote; PY = pyrite; PO = pyrrhotite; MAG = magnetite; SP = sphalerite; GL = galena; CPY = chalcopyrite; MO = molybdenite; ASPY = arsenopyrite

10.0 1993 DIAMOND DRILLING PROGRAMME

Seven holes totalling 934.3 m were drilled on the option by Olympic Drilling Ltd. of Ladner, B.C. using a JKS Boyles 300 diamond drill equipped for thin-wall BQ coring. Helicopter support was provided by VIH Helicopters operating out of Bob Quinn Lk. Five holes were drilled on geophysical targets generated in the 1993 geophysical programme (see assessment report, R. Holroyd, 1993); two holes were collared to test geological/geochemical targets. Collar locations are shown in Figure 4. Hole CS 93-5 was lost at 76.2 m in landslipped ground. Drill-core was both split and sampled on a geologically selective basis i.e. mineralized/altered intervals with or without prominent associated structural features, as well as on a more systematic basis (i.e. sampling one metre in every five) for lithogeochemical purposes. Samples were pulverized and analysed for Au, Ag, Cu, Pb, and Zn both on-site using the Snip analytical facility and at the Cominco Exploration Research Laboratory in Vancouver. Analytical data and methodology are shown in Appendix B. Drill hole profiles showing geology, ground geophysical features, sample locations and analytical results are plotted in Figures 5 to 11. Drill logs are also appended.

11.0 CONCLUSIONS AND RECOMMENDATIONS

Drilling in 1993 did not intersect economically significant Au mineralization. Low grade, narrow Au intersections in hole CS 93-4 suggest that future exploration efforts are best directed in this area and on the immediately adjacent Snip Mining Lease itself.


12.0 REFERENCES

- Moore, D., Yeager, D., Metcalfe, P., 1991, Showings Compilation, Skyline Gold Corp., internal report.
- Rhys, D., 1993, Geology of the Snip Mine and its relationship to the magmatic and deformational history of the Johnny Mountain area, Northwestern British Columbia., M.Sc. thesis, University of British Columbia, 275 p.

Report by:


 N.J. Callan
 Geologist

Approved for
 release by:


 J.M. Hamilton, P.Eng., P.Geo
 Manager Exploration,
 Western Canada

Distribution:

Mining Recorder (2)
 Western District (1)
 Cominco Metals Ltd. (1)
 Prime Res. Inc. (Homestake) (1)

APPENDIX A

DIAMOND DRILL LOGS

The core is stored at the Swip mine

DRILL HOLE RECORD

COMINCO LTD.

Page 1 of 4

Property: Bronson Ck. (Snip J.V.)
 Commenced: 26/8/93
 Completed: 27/8/93
 Coordinates: 23000N, 11075E
 Contractor: Olympic Drilling
 Logged by: N.J. Callan

District: Liard M.D.
 Location: Iskut
 Core size: BQ
 Claim Reference:
 Tract/Claim Reg 1
 Elevation: 960 m
 Licence:

Hole No.: CS93-1
 Length: 126.5 m
 Cor. Dip: -49°
 True Brg.: 040° NE
 % Recovery.: 97%
 Sample type:

Metres From	To	Description
0	3.3	Casing
3.3	32.5	<p>Dark grey-brown to purplish brown; predominantly fine grained, locally medium coarse grained, laminated-thin bedded, local medium bedded (coarser units) BIOTITIC SILTSTONE/FINE WACKE with local quite massive coarse grained? feldspathic wacke; weakly magnetic throughout; local zones (m scale) of pale purple-green grey fine grained ? feldspar/sericite/weak quartz alteration.</p> <p>3.3-5.3 medium - coarse grained feldspathic wacke; quite massive; pervasively, calcareous; biotitic; fine-coarse grained disseminated-stringers (\pm cct) of pyrite; approx. 3%; weakly magnetic (approx. tr disseminated po); minor rusty gouge zones.</p> <p>5.3-16.9 generally finer grained; good 1° lamination/bedding locally preserved; 60° to core axis; translucent brown biotitic; very weakly - non calcareous. Local irregular, patchy-diffuse pale brown-grey bleaching - locally focussed around quartz-cct veinlets; this alteration locally parallel to bedding; approx. 3-4% coarse-fine grained pyrite stringers and disseminations associated with bleached zones; also tr-1% po (mag); also disseminated-fine stringer pyrite (\pm quartz) throughout; locally weakly magnetic (tr po); note local fine grained silica blobs (boudinaged veins); local 1-3 mm white, planar cct veinlets.</p> <p>16.9-32.5 pale grey, pinkish alteration here approx. 60-70% of core; sharp planar to diffuse, irregular contacts, comm appears parallel or subparallel to bedding in still quite biotitic fine grained wackes. Alteration is quite soft, (scratches with hammer) not calcareous; typically, approx. 1-3% fine coarse grained blebby-patchy po/py, intergrowths, disseminated throughout alteration; also irregular stringers/stockwork pyrite (\pm quartz \pm cct), locally weakly-moderately foliated @ 50° to core axis; local bands < 2 cm of disseminated po; unit generally quite po rich (probably 1-3% overall). Some of these grey alteration zones look like coarse grained, quartz rich units especially 20.6-22.3;? Alteration focused on</p>

certain lithological units. Note: fine grained disseminated po in this type of material.

32.5 52.0

Dark grey-black; generally fine grained - local medium/coarse grained **LAMINATED - THIN BEDDED SILTSTONES/MUDDY SILTSTONES** with local units < 1.5 m of pale grey more massive, more quartz rich medium - **COARSE GRAINED QUARTZ WACKES** (locally pinkish - red hue suggests possibly arkosic in part); sequence is generally non-calcareous; So @ 65° at 38m.; fine grained disseminated coarse grained blebby po with local minor pyrite/cpy throughout (unit is weakly - moderately magnetic) also as diffuse stringers/veinlets; po generally 1-3%; also disseminated (6-8%) pyrite as bands < 2 cm in coarse grained lithological units, with intergrown po; locally more patchy; stringers veinlets parallel So and cross cutting; minor quartz-carbonate veinlets (with bx of wallrock locally) sporadically throughout with tr po,py, cpy.

32.5-39.2; Laminated-thin bedded siltstone/muddy silts

39.2-47.0; 85% medium - coarse grained pale grey granular massive quartz (\pm feldspar) wacke; note also disseminated aspy approx. 1%, also as weak stringers/patches; tr cpy

47.0-52.0; dark grey thin bedded-laminated siltstone/muddy siltstone with thin medium grained wacke units 5-10 cm; So @ 65° at 49.3 m. Note: Muddy drapes in medium grained units; load casts/flames suggest tops to collar.

52.0 67.9

Purplish brown grey, fine grained massive-thin bedded - locally laminated **BIOTITIC SILTSTONE (WACKE)** with local grey coarse grained more quartz rich wacke units < 1m; rare graded beds - tops to collar; unit is weakly magnetic throughout; very fine grained disseminated py + po, generally tr-1%; sporadic stringers/veinlets < 0.5 cm of po/py tr cpy \pm quartz carbonate stringers locally form minor irregular networks over approx. 10 cm; po locally < 4-5%; local bx associated with fine, dense quartz veining; minor planar quartz \pm carbonate throughout.

52.8-53.1; weak bleaching associated with po stringers.

56.3-56.5; vein breccia

58.0; thin bedded silty wacke; graded beds indicate tops to collar; 65° to core axis.

59.7-60.8; medium-coarse grained wacke; pale grey

62.4-62.5; po,py,cpy stringers with quartz/carbonate; approx. 8-10% sulphides

67.9

126.5

65.5-66.5; grey-purple medium-coarse grained wacke

Dark grey-black-light grey, intercalated thin bedded-laminated muddy siltstones and more massive, pale grey, granular **COARSE GRAINED WACKE UNITS**, generally medium-locally thick bedded; local graded bedding and load casts.

67.9-78.8; poorly bedded dark grey siltstones with minor coarse grained pale grey wacke units; note: muddy siltstone fragments in coarse units; weak lamination @ 60°; non biotitic (no brown hue) weakly-non magnetic; local disseminated-patchy-stringer po (loc < 3%; gen tr-1%) with tr cpy, especially in coarse grained units; stringers + stringer zones locally with quartz/carbonate; stringer zones < 12% po over 1-2 cm; approx. 2 cm, irregular quartz (± po ± gal with tr cpy) @ 70.6.

78.8-83.3; thin bedded-laminated muddy siltstone; graded beds + load casts, tops to collar; occasional thin cm coarse wacke beds < 10 cm. Local bedding parallel bands of disseminated po (minor py/cpy) < 0.5 cm also foliated shear quartz veins < 2-3 cms with po + carbonate + quartz with graphitic wallrock foliae - "ribbon veins"; po-py-cpy stringers parallel with bedding, ± quartz; rare coarse grained quartz veins with coarse grained po, minor cpy and green granular fine grained chlorite + carbonate, approx. 3 cm @ 80.9m; po generally 1-2% overall, tr cpy, minor py.

83.3-97.1 More coarse grained medium-light grey wacke in this section; approx. 15% finer grain siltstone + silty mudstone; note mud rip-up clasts @ 85.3m; locally coarse blebs/patches po with local gal; Note: disseminated fine-medium grained aspy (approx. 2-3%), po 88.4-89.1; also irreg. chl-po-cpy-qz-carb vein parallel to core axis @ 93.5-94.8; local ribbon quartz-po veins < 3 cm; rusty weakly b.c. associated with quartz veining @ 90.0-90.5.

97.1-106.5; Dark grey muddy siltstone/silty mudstone; thin 1-2 cm wacke beds, thin bedded - laminated; 65° to core axis @ 100.5; weakly magnetic throughout; very fine grained disseminated po, locally more coarse grained blebby or as diffuse stringers; generally approx. 1-2% also pyrite, locally i/g with po or as py stringers, veinlets; locally diffuse disseminations, 1-2% ; sporadic minor planar quartz carbonate veins < 0.5 cm.

106.5-120.2 Medium grey, medium grained granular thick bedded to locally laminated/thin bedded wacke; fairly homogeneous; weakly magnetic throughout;

DRILL HOLE RECORD

Property: Bronson Ck.

COMINCO LTD.Page 4 of 4
Hole No.: CS93-1

disseminated fine-medium grained po, generally tr; also po seams sporadic throughout.

114.3-115.1; buff green alteration zone with vuggy quartz-carbonate vein stockwork with po (5%) py (3%) gal (tr) sphalerite (tr) i/g with quartz and as fine "seams"; tr aspy associated with quartz-carbonate vein @ 115.

120.2-125.5 Dark grey-medium grey intercalated medium grained wacke and muddy siltstone; po/carbonate stringers locally throughout; occasionally with tr cpy; unit is weakly magnetic throughout - fine grained disseminated po; quartz/cct gash veins locally throughout.

END OF HOLE 126.5 M

DRILL HOLE RECORD

COMINCO LTD.

Property: Bronson Ck. (Snip J.V.)
 Commenced: 27/8/93
 Completed: 28/8/93
 Coordinates: 23500N, 10940E
 Contractor: Olympic Drilling
 Logged by: N.J. Callan

District: Liard M.D
 Location: Iskut
 Core size: BQ
 Claim Reference:
 Tract/Claim: Reg 1
 Elevation: 900 m
 Licence:

Hole No.: CS93-2
 Length: 100 m
 Cor. Dip: -51°
 True Brg.: 045°NE
 % Recovery.: 98%
 Sample type:

Metres From	To	Description
1.5	78.3	<p>Purplish-grey fine-medium grained <u>biotitic</u> (classic brownish hue throughout); locally thin bedded to thick bedded - massive, granular, SILTSTONE/SILTY WACKE with intercalations (10 cm -1 m thick) medium-coarse grained granular, feldspathic wacke.</p> <p>2.0-4.9; sporadic planar to slightly irregular quartz-po gash veins (approx. 1%) in medium - coarse grained wacke.</p> <p>4.9-11.7; zone of greenish-buff-pink alteration; associated with abundant (approx. 15-20% of core) ribbon quartz veins sporadic throughout; veins < 30 cm with foliated margins plus wallrock foliae (sericite) ± po, tr py, tr cpy, also carbonate; note crackled text. in alteration with po (± py) filling microfracts, also fine grained po disseminated throughout alteration; po generally approx. 5-6%; py tr-1% (loc): alteration - sericite adjacent to ribbon veins, silicic/?kspar (should stain), non calcareous; veins @ approx. 50° to core axis.</p> <p>11.7-21.9; siltstone/wacke (biotitic) with tr-1% disseminated fine grained po (-rock weakly magnetic) with abundant zones of the greenish buff alteration noted above; comm. tho' not exclusively associated with < 2 cm wide milky quartz-carbonate-po-py veins; altered sections; 13.7-14.1, 14.4-14.8; 15.3-15.6; 16.4-17.0; 17.3-17.9; 21.4-21.9; po 2-3% in altered sections as crack fill and disseminations; locally pyritic tr-1%; qvs approx. 2% of interval; planar-irregular stockwork.</p> <p>21.9-25.2; pale grey, very fine grained, siliceous alteration with ghosts of brown biotitic wacke loc. discernible especially at end of section, po-pyr cracke network throughout; minor mm, quartz-carbonate veinlets. Many stringers @ shallow < to c/a eg. 35° po approx. 2-3%, py tr-1%.</p> <p>25.5-45.5; brown-purplish grey siltstone/wacke; locally thin bedded; 50° @ 30.3m; 55 @ 41m; minor weak buff green alteration zones 10-15 cm focussed irreg-patchy py/po stringers. esp 29.0-29.5, 34.7-35.1; weakly disseminated po throughout (weakly magnetic); also</p>

- local zones ie. 40-42 with disseminated fine-coarse grained pyrite, locally in weak bands < 5 cm; po approx. 2% throughout; pyr tr (-1%); minor quartz cct gash veins throughout.
- 45.5-46.7 irregular foliated quartz-calcite-pyrite shear vein with sericite/biotite wallrock foliae (pyritic); local fragment's of buff pink kspar alteration (very minor); contact @ 20° to core axis, pyrite approx. 6-8%
- 46.7-51.0; thin bedded-laminated silty wacke with stringers/bands of fine-medium grained disseminated pyrite parallel So; locally more irregular too; pyrite approx. 1-2%; locally very weak magnetic (tr fine grained po) So at approx. 70°; quartz-carbonate gash veins throughout.
- 51.0-52.1; irregular foliated quartz-carbonate-pyrite-po in halo of pale pink grey fine grained alteration; vein is @ 10° to core axis; pyrite as stringers-blebs-disseminated approx.4-5%; po blebs, stringers approx. tr-1%.
- 52.1-59.6; thin bedded-laminated biotitic siltstone with minor coarse grained beds < 80 cm So @ 70° at 57m; quartz carbonate gash veins throughout; local cm scale bleached (buff green alteration) around po stringers parallel with So; also tr fine grained disseminated po (weak mag); po general tr-1%.
- 59.6-64.0 Broad zone irregular fine grained pale pink grey silicic alteration; locally green buff alteration; localized around quartz-carbonate veins, stockworks with po/pyrite crackle veins; po ± gal with quartz in some veins; Note 62.2-62.6; broken quartz-carbonate-pyrite po vein - irregular cont, sharp/planar l.c. @ 60°; local foliation defined by quartz carbonate stringer veins e.g. 50° at 63.7m; po local < 2-3%, generally tr-1%; pyrite tr-1%.
- 64.0-78.3; brown-grey biotitic fine-medium grained wacke; locally very weak buff green alteration; quartz-carbonate gash veins throughout; locally quartz-carbonate po-pyrite-chlorite veins < 1 cm wide; weakly disseminated fine-medium grained pyrite throughout (tr-1%) occasional as stringers ± quartz-carbonate, patchy disseminations.
- 78.3 93.4 purplish grey brown; coarse grained granular; **QUARTZ-FELDSPAR-BIOTITIEWACKE**; massive; weakly-local moderately pinkish translucent buff alteration throughout-quite siliceous and often focused around granular pyritic stringers/veins; local quartz-carbonate-sericite-pyrite stringers/veins < 4 cms; locally just pyritic < 4-5 cms; medium-coarse grained pyrite, locally quite massive over approx. 5 cm width;

DRILL HOLE RECORD

Property: Bronson Ck.

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Hole No.: CS93-2

Disseminated-stringers-patchy pyrite throughout; approx 5-6%; core is non-mt (NQ po); quartz \pm carbonate gash veins throughout.

78.3-78.5; b/c
78.6; fine grained quartz + pyrite vein @ 20°; 20% fine-coarse grained pyrite
79.2; pyrite (coarse grained) vein 1.5 cm @ 60°; buff alteration halo
79.8; approx. 3 cm quartz-carbonate-sericite-pyrite vein
80.4-80.8; very b/c
81.1-81.2; coarse gouge
82.1-82.2; coarse gouge
82.3-82.45; massive granular pyrite band @ 40°
83.1-83.5; b/c + gouge
84.3-84.6 b/c + gouge
86.9-87.2; gouge
87.2-93.4; Weakly pyritic; unaltered, fresh; tr-locally 2% pyrite; local quartz-carbonate gash veins; b/c 91.6-93.2

93.4

100

MEDIUM GRAINED BIOTITIC WACKE; locally coarse grained over approx. < 30 cm; local thin bedding-lamination; e.g. 40° @ 97.3; locally intraclasts of finer grained wacke; quartz-carbonate gash veins locally throughout; pyrite fine-medium grained disseminated + rare stringers 1-2% at most.

END OF HOLE 100 m

DRILL HOLE RECORD

COMINCO LTD.

Property: Bronson Ck. (Snip J.V.)
 Commenced: 1/9/93
 Completed: 3/9/93
 Coordinates: 23540N, 114254E
 Contractor: Olympic Drilling
 Logged by: N.J. Callan

District: Liard M.D.
 Location: Iskut
 Core size: BQ
 Claim Reference:
 Tract/Claim: El Oro
 Elevation: 900 m
 Licence:

Hole No.: CS93-3
 Length: 203.6 m
 Cor. Dip: -51°
 True Brg.: 075° NE
 % Recovery.: 98%
 Sample type:

Metres From	To	Description
0	3.7	Casing
3.7	59.0	<p>Blue-green-grey, fine-medium grained, laminated-thin bedded-thick bedded/massive SILTY WACKE; quite compact and hard; local graded bedding suggest tops towards collar; local units medium-coarse grained feldspar wacke 1 cm-5 cm. Local very weakly magnetic; tr-2% pyrite throughout as irregular stringers; fine-coarse grained disseminations; locally < 2-3% associated with bleached silicified, locally foliated zones/bands with quartz carbonate veins; locally irregular carbonate-sphalerite veins; carbonate-quartz gash veins; locally tr po - disseminated or intergrown with pyrite in stringers; pervasive weak carbonate (cct) alteration throughout.</p> <p>5.0; laminated-thin bedded @ 40° to core axis; graded bedding; tops to collar.</p> <p>5.75-6.0; coarse-grained feldspar wacke unit</p> <p>8.65; 3 cm bleached zone with irregular pyrite stringers @ 45°</p> <p>9.3-9.4; carbonate-sphalerite vein @ 25°; sphalerite approx. 2-3% of vein; vein is 1 cm wide.</p> <p>9.6-9.85; weakly bleached (silicified) zone with coarse disseminated-stringers-crackle vein pyrite approx 3%.</p> <p>11.6-11.8; carbonate-sphalerite vein-stringer; approx. 0.5 cm; parallel core axis.</p> <p>12.1-12.3; carbonate sphalerite vein; irreg; < 1cm</p> <p>12.6-13.4; weak-moderately bleached zone; weak fracturing with 30 cm foliated zone 13.1-13.4 @ 40°; irregular-foliation parallel pyrite stringers throughout in silicified, carbonate veined zone; pyrite also as foliation parallel disseminations; pyrite approx. 3-5%.</p> <p>17.3; very planar carbonate-chlorite vein/band @ 30°</p> <p>18.5; thin bedded-laminated @ 35°</p>

Property: Bronson Ck.

- 21.2; very planar carbonate-chlorite vein/band @ 30°; similar to 17.3 m
- 25.0-25.15; weak bleach zone with pyrite stringers (tr-1%) + dark brown biotite?
- 28.4-28.6; brown-grey mottled/banded carbonate-biotite zone around 7 mm cct stringer; coarse disseminated pyrite approx. 3% of zone; zone @ 25° (u.c.); 50° (l.c)
- 29.35-29.5; weak bleaching with approx. 1 cm fine-coarse grained mass. pyrite stringer
- 31.7-32; very weak bleached zone with local mm-1.5 cm carbonate-biotite pyrite veinlets 90° to core axis; + weak disseminated pyrite + occasional stringers of medium grained disseminated pyrite; pyrite approx. 4%.
- 33.0-33.3; moderate-strongly bleached zone; pale grey fine grained; strong pervasive cct alteration; coarse blebby disseminated pyrite approx. 4%; @ 30°
- 34.5 thin bedded wacke; @ 35°; graded bedding tops to collar
- 35.9 po-carbonate stringer; 2 cm; @ 45°
- 40.3-41.1; zone of weak-locally mod/strong bleaching/carbonate (cct) alteration with coarse blebby disseminated pyrite, crackle veining and stringers of medium grained disseminated pyrite in more altered sections; pyrite approx. 3-4% over interval; Note: dark brown -? biotite?
- 43-43.25; moderately foliated (45°) bleached/cct altered with coarse grained granular pyrite band and irregular stringers; pyrite 3%
- 43.5-43.7; as above; pyrite approx. 4-5% of zone; @ 50°
- 46.2-47.0; fine grained pale green carbonate altered zone with carbonate/pyrite - ? chlorite) stringers and banded veins (< 8cms); banded veins associated with crackled intense alteration @ 46.6-46.9; banding foliated @ 50°; pyrite-disseminated-stringers approx. 3% over interval
- 48.0-48.1; carbonate-pyrite (medium grained granular patches-irregular stringers) alteration zone
- 48.4-48.6; carbonate-pyrite alteration zone @ 40°; approx. 1 cm band fine-grained disseminated pyrite approx. 7%

59.0	73.0	<p>49.0-59.0; fine grained-medium grained disseminated; variably irregular pyrite \pm carbonate stringers sporadically throughout; <i>minor pyrite-carbonate alteration zones - 51.3-51.4 52.05-52.1 @ 50° with granular pyrite stringers approx. 10-15% zone; Note: 56.0-69.0; laminated @ 5-25° to core axis</i> l.c. is gradational over approx. 5m</p>
73.0	129.0	<p>Pinkish brown tinged-grey fine-medium grained, laminated thin bedded-massive SILTY WACKE with MORE BROWN BIOTITE than previous unit (lithology identical though); weakly cct alteration through; po-cct (pyrite) stringers/veins throughout locally with dark brown biotitic selvages and associated bleached alteration; po is dominant sulphide in this unit (approx. 3%); py (tr)</p> <p>64.0; lamination @ 40°</p> <p>64.5; <u>strong</u> biotite (brown) colour begins</p> <p>65.3-65.6; bleach zone with po/py/cct stringers; pyrite 2%, po approx. 1%</p> <p>69.2-69.3; po-pyrite-carbonate shear vein with biotite selvages; @ 40°</p> <p>69.6; 2-3 cm quartz-<u>chlorite vein</u></p> <p>71.4; lamination @ 20°</p> <p>Pale green grey FINE GRAINED SILTY WACKE with local coarse grained units < 30 cm; does not have biotite hue; massive - locally well laminated/thin bedded; weakly magnetic (tr disseminated fine grained po); local po stringers \pm cct occasionally with pinkish hued fine-grained alteration zones. (pervasively calcareous); minor carbonate \pm quartz gash veins throughout; po approx. 1-2% overall.</p> <p>74.7-74.9; carbonate-po-stringer (1 cm wide); tr pyrite @ 20° with bleached alteration zone.</p> <p>75.4-75.7; weak bleach zone with po stringer/network; po approx. 3-4%</p> <p>81.3-81.4; weakly foliated quartz-cct-po-<u>chlorite vein</u> @ 90° to core axis; wallrock frags/foliae; po approx. 4-5% (Note: weak-moderate alteration with po disseminations + disseminated bands (81.4-81.7))</p> <p>82.8; lamination @ 40°</p> <p>89.1; 2 cm cct-po-stringer @ 75°; po approx. 15%</p> <p>90.1; 2 cm foliated po-cct stringer/vein @ 80°; po approx. 15%</p>

Property: Bronson Ck.

- 94.4-94.55; carbonate (cct) quartz-chlorite-po shear vein with po stringers in adjacent wallrock; vein @ 40°; po approx. 3-4%; sphalerite tr-1%; sulphides as foliation parallel seams/stringers.
- 94.55-95.8; ab irregular stringers-patches po with local cpy intergrowths; po 3-4% throughout, cpy tr; many stringers @ approx. 40°
- 95.8-96.5; approx. 10% carbonate-quartz-po veins < 2 cm; generally @ 60° to core axis; po blebs/wires intergrown with quartz-carbonate.
- 97.3; lamination @ 40° (Note: po/carbonate patches/stringers)
- 97.5-100.3; pale grey, fine grained, weakly calcareous, siliceous altered fine grained wacke? (Ghost lamination @ 35°) with po seams/stringers parallel with lamination or more irregular cross-cutting; also disseminated patchy; po approx 2-3%; pyrite also in similar habit approx. 1-2%; zone encloses black-green feldspar porphyry dyke from 99.0-99.7; fine grained with white subhedral feldspar phenos weathering to brick red (? hem? alteration) u/c @ 40°
- 100.3-113; pale green grey; fine grained, laminated siltstone; 30° @ 103m 20° @ 110.7; local graded bedding towards collar; minor po stringer ± cct very locally throughout, po approx. tr-1% local pyrite stringers too (tr); comm parallel with lamination; carbonate gash veins locally throughout.
- l.c. grad'l
- 113-115.3; pale grey zone of siliceous alteration/weak calcareous alteration with local brecciation of alteration with pale cream matrix; associated with swarm quartz-cct veins @ 60° po/pyrite min stringers, fractures, wires; tr cpy; gradual l.c.
- 115.3-129; fine grained green grey siltstone wacke; massive - no bedding features; local quartz-cct gash veins throughout; po, irregular stringers to patches sporadically throughout, generally tr-2%; locally < 6-7% over approx. 50 cm, comm. associated with cct alteration/bleaching ie. 117.8-118.5
- Also irregular carbonate-galena-sphalerite-po pyrite vein parallel to c/a
125-126.2; approx 4% sphalerite, 4% galena, 1-2% po/py
126.4-126.7; 3-4% po stringers @ 40

Property: Bronson Ck.

		<p>locally moderately CONGLOMERATIC WACKE; massive, structureless; siltstone-siliceous siltstone-chloritic siltstone fragments, loc < 5cm</p> <p>130-130.8; series (2) of dark green <u>biotite</u> and ? feldspar porphyry dyke - quite chloritic; with weak calcareous bleach halo u/c is fault gouge; dyke contact @ approx. 85° local po ± carbonate stringers but rare; locally tr-2% disseminated po.</p> <p>134.3-136; lithic frags < 5 cm; fine grained chloritic siltstone; pale grey siltstone</p>
137.5	147.6	<p>Dark green-grey; massive coarse grained; POLYLITHIC BRECCIO-CONGLOMERATIC WACKE; poorly sorted angular - sub rounded heterolithic frags approx. 30-65% generally matrix supported, local clast supported; lithic frags generally 1-2 cm; occasional < 4-5 cm; siltstone, cherty siltstone, chert; pervasively weakly-moderately calcareous.</p> <p>local quartz-chlorite ± carbonate ± brown biotite vein swarms; chlorite halos; with rock frags</p> <p>139.2-140.3 @ approx 60°</p> <p>142-142.6</p> <p>142.85-143.15 sigmoidal gash veins</p> <p>143.5-143.7 @ approx. 50°</p> <p>unit tr-1% disseminated po locally throughout, weakly magnetic</p>
147.6	151.4	<p>Green grey, MEDIUM-COARSE GRAINED WACKE; massive, granular; structureless; pervasive moderate weakly calcareous; locally fine grained disseminated po (tr); occasional quartz-carbonate gash veins; gradational l.c.</p> <p>147.6-147.7 quartz-carbonate-chlorite vein @ 60°</p>
151.4	155	<p>Dark green-grey (locally brown biotite hue) BRECCIO-CONGLOMERATIC WACKE as per 137.5-147.6; local coarse disseminated patchy po, generally tr-1% locally <2%; sharp l.c. @ 30°</p>
155	203.6	<p>Pale greenish - grey; locally weakly brown hue; massive to laminated/ thin bedded FINE-MEDIUM GRAINED SILTY WACKE; very homogenous throughout;</p> <p>- quartz-carbonate-chlorite (-po) gash veins throughout, often with green chlorite alteration halos + local minor wall rock Bx; veins 1 mm - 2 cm; occasional slightly ribboned sigmoidal and planar, generally @ approx. 60°</p> <p>- po as rare disseminated + stringers, locally intergrown with gash veins, (typ < tr) pyrite-rare stringers (tr)</p> <p>Note: approx. 161-unit still greenish but with slight green-brownish hue too.</p> <p>163; lamination parallel with core axis</p> <p>170-170.5; sigmoidal gash quartz-chlorite-carbonate-po vein swarm</p> <p>175; lamination @ 20°</p> <p>177; quite massive-little bedding or lamination</p> <p>192.7-193.5; zone of diffuse carbonate-quartz veining with</p>

DRILL HOLE RECORD

Property: Bronson Ck.

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Hole No.: CS93-3

minor po disseminated/stringers; note: brown (?
biotite alteration) throughout; moderately foliated
@ 70°

194.6-194.7

carbonate-po ribbon vein @ 70° with biotitic
alteration margin

202.7-203;

patchy-disseminated pyrite-po with weak
bleaching alteration 8% po, 1% py; tr cpy.

END OF HOLE 203.6 m

DRILL HOLE RECORD

COMINCO LTD.

Property: Bronson Ck. (Snip J.V.)
 Commenced: 29/8/93
 Completed: 30/8/93
 Coordinates: 23800N; 11600E
 Contractor: Olympic Drilling
 Logged by: N.J. Callan

District: Liard M.D
 Location: Iskut
 Core size: BQ
 Claim Reference:
 Tract/Claim: Sky 1
 Elevation: 810 m
 Licence:

Hole No.: CS93-4
 Length: 124.4 m
 Cor. Dip: -50°
 True Brg.: 047° NE
 % Recovery.: 97%
 Sample type:

Metres From	To	Description
0	2.4	Casing
2.4	107.6	<p>Dark grey with very weak brownish hue (biotite); typically fine (locally-medium grained SILTSTONE/WACKE with minor medium grained granular wacke units typically 10-30 cm; typically homogeneous, locally laminated-thin bedded but usually fairly massive; pervasively weak-moderately calcareous; 3-4 mm planar to more irregular cct veins and vein swarms throughout; locally very weakly magnetic (tr po); pyrite is main sulphide phase; as cm scale granular massive pyrite bands, discontinuous stringers, patches + disseminations; pyrite overall tr-1%; local foliated ribbon shear veins - quartz-carbonate-pyrite-biotite-<u>chlorite</u> Note: rare fragmental units (lithic intraformational wacke?)</p> <p><u>Chlorite in veins is significant here - very similar style to Snip core</u></p> <p>Local zones of rusty coloured vuggy, commonly weakly-moderately b/c; gouge</p> <p>2.4-9.2; rare pyrite stringers; pyrite approx tr-1%; laminations 50° @ 9m.</p> <p>9.2-11.0; local rusty, vuggy zones with local gouge</p> <p>11.0-20.6; local massive granular pyrite bands @ 14.3-14.4 @ 60° 19.3-19.4 @ 55° local nodular cct alteration with chlorite/biotite cores; 2-5 mm; approx. 8% at 19.6-20.1; pyrite (approx. tr-1%) as weak disseminations, occasional stringers.</p> <p>20.6-21.9; weakly rusty b/c; core loss</p> <p>21.9-25.1; locally medium grained pyrite disseminated, occasionally pyrite/cct stringers; laminated at 24.5 @ 50°</p> <p>25.1-25.4; granular cct-quartz-biotite-pyrite band/vein; weak banding @ 60°; pyrite approx. 8-10% as bands/stringers</p> <p>25.4-30.3; local granular pyrite stringers; pyrite approx. 1%; esp. 27.25-27.7, 27.7-28.0; b/c, rusty, minor gouge.</p>

- 30.3-31.1 2 cm cct-pyrite shear vein with weak bleaching + disseminated stringer pyrite down-hole of vein
- 31.1-67.2; generally weakly pyritic (tr local pyrite stringers/disseminations) dark grey (weakly biotitic) fine grained wacke/siltstone; local shear veins with green chlorite and biotite altered (chocolate brown) wallrock foliae + quartz ± carbonate + pyrite; veins may be locally more granular/diffuse
- Local rusty b/c
- 31.1-32.0; 1-2% medium-coarse grained granular pyrite stringers; laminated @ 60°
- 32.7-33.0; b/c, rusty, pyritic; pyrite approx 6%, sericitic
- 38.1-39.1; rusty b/c
- 47.0-47.5; weak fine-grained quartz/pyrite shear veins with biotite foliae @ 70° to core axis
- 49.8-50.1; rusty b/c
- 53.7-54.7; rusty core, locally b/c with vuggy weathered out carbonate veins/vugs
- 56.4-56.6; carbonate, biotite chlorite-pyrite-quartz shear vein; approx. 2-3% pyrite; good biotite altered wallrock fragments and vein selvages; @ 50° to core axis
- 59.05-59.15 carbonate-biotite ribbon-shear vein
- 60.7-60.75; carbonate-biotite-quartz, chlorite-pyrite shear vein @ 65°
- 61.75-61.9; diffuse pyrite-chlorite stringers; approx. 2-3% pyrite
- 62.6-62.8; diffuse carbonate-chlorite-pyrite po shear vein @ 70°; approx. 3% pyrite-po.
- 67.2-67.4 foliated carbonate (cct) - biotite shear vein with approx. 2% disseminated pyrite with foliation @ 70°
- 67.4-70.8; Note: coarse grained fragmental texture to wacke here quite distinct with angular wacke fragments (fine grained) and broken up carbonate vein fragments; wacke fragments generally <1 cm; poorly sorted, intraform. coarse wacke/breccia; massive; sharp u/l contacts; approx 2% pyrite as medium-coarse grained disseminations and stringers, local patches
- 68.65-69.0 quartz-pyrite-biotite-(carbonate) shear vein; quite

- massive quartz with occasional thin biotite seams; good chocolate brown biotite selvages; patchy pyrite approx. 4%; vein @ 80° to core axis.
- 70.8-95.7 homogenous fine-medium grained dark grey wacke as above with poor 1° sedimentary features; carbonate gash veins throughout comm @ 40-50°; generally tr-1 % fine grained disseminated pyrite; local stringers/bands of coarse grained disseminated pyrite < 2 cm; occasional patches; local shear veins.
- 71.5-71.75; foliated biotite-chlorite-cct -(pyrite) shear vein; weak pyrite 1-2%; @ 55° to core axis
- 77.3-77.4; rusty gouge
- 86.0-88.0; weak carbonate-pyrite shear veins - very similar to gas h veins but look bit more sheared; sampled just to check this unit really-best looking stuff in this section.
- 90.1-90.3; b/c; gouge
- 92.4-92.9; series of quartz-chlorite-carbonate-biotite veins with chocolate brown biotite; pyrite 4-5 % stringers/disseminated in wall/rock frags; veins @ 60°
- 92.9-93.1 crackle pyrite/sphalerite veinlets; pyrite approx. 4%; sphalerite tr-1 %
- 95.7-96.3; pale grey fine grained ? dyke ?; sharp u/c/ with biotitic alteration. Note: quartz veins with foliated margins (biotite foliae); pyrite (approx 3%) disseminated-crackle-stringers with tr sphalerite.
- 97.8-98.5; brown gouge; fault
- 98.9-100.1; medium grained, weakly siliceous altered appearance with crackle veinlets with sphalerite, pyrite; pyrite 2-3%; sphalerite tr.
- 101.3-107.6 pyrite stringers more abundant; generally 4%; locally < 30% over 20 cm section; sphalerite tr-1%; fine stringers, intergrown with pyrite or as selvages around pyrite veinlets; weak siliceous alteration of wacke - pale grey, fine grained hard; local ribbon quartz-biotite-pyrite vein < 5 cm at 102.3-102.35, 103.7 (2 cm) with biotite selvages.
- (102.3-102.35) foliation in vein @ 55°

107.6

111.45

Dark grey (weak brownish hue on broken surface) biotitic; medium - **COARSE GRAINED** granular generally quite massive, **QUARTZ-**

Property: Bronson Ck.

111.45

119.7

FELDSPAR-LITHIC WACKE; local quartz-carbonate-calcite gash veins throughout; pyrite approx. 2-3% as fine-medium disseminations + weak stringers; locally weak siliceous bleaching
108.2-109.2 weak sil? with local rusty b/c

119.7

124.4

Dark grey, fine-medium grained **SILTSTONE-MUDDY/SILTY WACKE**; local bedding/? bedding e.g. 113.3 m @ 40°; minor quartz-carbonate gash-veins throughout; local stringers/bands of coarse grained disseminated pyrite, locally with i/g fine grained quartz/?chlorite; pyrite generally/ - 2%, locally < 15% over 15 cm sections; locally foliated e.g. at 118m @ 60°

? **MEDIUM-COARSE GRAINED WACKE? "BRECCIATED" OR CRACKLED TEXT**; looks silica, altered and then fractured-crackled text; with quartz-carbonate vein fragments; weak-moderate foliation @ 70°; disseminated-weak stringer pyrite approx 2-3%; quartz-carbonate gash veins sporadically throughout @ 65°; local bleached zones < 15 cm e.g. 123.3-123.5m.

END OF HOLE 124.4 m

DRILL HOLE RECORD

COMINCO LTD.

Property: Bronson Ck. (Snip J.V.)
 Commenced: 6/9/93
 Completed: 8/9/93
 Coordinates: L 39N, 1550E
 Contractor: Olympic Drilling
 Logged by: N.J. Callan

District: Liard M.C.
 Location:
 Core size: BQ
 Claim Reference:
 Tract/Claim: El Oro
 Elevation: 620 m
 Licence:

Hole No.: CS93-5
 Length: 76.2m
 Cor. Dip: -60°
 True Brg.: 033°NE
 % Recovery.: 49%
 Sample type:

Metres
 From

To

Description

0	26	Casing (to 62.5m)
26	30	<p>Pale blue-grey, fine grained massive to local thin bedded, CARBONATE-SERICITE ALTERED SILTSTONE-MUDSTONE; thin bedding locally visible e.g. 60° @ 26.5m; disseminated-stringer (weak-moderately foliated 50-60°) po approx. 2-3%, locally intergrown with white cct; rare quartz stringers; local vuggy, weathered, silicified zones.</p> <p>26.0-26.4; vuggy, weathered silicified zone with approx. 4% leached sulphide</p> <p>27.8-29.4; abundant b/c - yellow, oxidised weathering</p>
30	31.3	<p>Pale grey, medium grained granular-weakly foliated BIOTITE-FELDSPAR QUARTZ INTRUSIVE DYKE; sharp contacts (weak-moderately foliated) u/c @ 40°; irregular patchy carbonate veins local throughout; minor diffuse quartz stringers</p>
31.3	41.0	<p>DARK GREY MUDSTONE AND INTERCALATED BROWNISH TINGED SILTSTONE; units generally thin bedded, locally laminated; locally graded bd (tops down hole); local disrupted siltstone in mudstone; siltstone is strongly cct altered, mudstone generally non-calcareous; locally banded, cct shear veins < 3cm; disseminated fine-medium grained po throughout; generally tr-1%; locally intergrown with cct as weak stringers; occasional fine-medium grained pyrite stringers (tr) with local Fe-carb.</p> <p>32.6; cct shear vein @ 45°; approx. 2 cm</p> <p>34.1-34.7; b/c</p> <p>35.0; thin bedded @ 60°</p> <p>36.5; approx. 5 cm banded cct-chlorite shear vein @ 85°</p> <p>38.0-41.0; b/c; local gouge</p>
41.0	52.1	<p>Rusty weathering, very <u>broken core</u> with local thin gouge - very poor recovery; pale green grey, fine grained, ALTERED SILT/MUDSTONE (c.f 26-30); limonitic seams + disseminations (?after po?) foliation @ 45° at 51m.</p>

DRILL HOLE RECORD

Property: Bronson Ck.

COMINCO LTD.

52.1	65.3	<p>Pale-mid blue grey; medium coarse grained; MASSIVE GRANULAR WACKE with local lithic frags generally < 0.5 cm;</p> <p>Disseminated pyrite locally tr-1%; also py-sphalerite bands < 3 cm with intergrown Fe-carbonate; sphalerite marginal to coarse grained massive pyrite bands; local cct gash vein b/c throughout</p> <p>61.8; sphalerite-pyrite band @ 80° with quartz; 3 cm</p> <p>62.9; sphalerite pyrite band, 1 cm @ 85°</p> <p>63.5; quartz-Fe carbonate-sphalerite-pyrite band @ 80°; 4 cm</p> <p>64.1; quartz-Fe carbonate-sphalerite-pyrite band @ 80°; 1 cm</p> <p>64.7; quartz-Fe carbonate-sphalerite-pyrite band @ 80°; approx. 2cm @ 85°</p> <p>l.c. @ 45°</p>
65.3	68.8	<p>Pale-medium grey-buff grey; fine grained; foliated; highly SERICITIC UNIT; disseminated fine-coarse grained-patchy po, pyrite; local as 2-3 cm bands parallel to foliation; occasional sphalerite intergrown with foliation parallel pyrite po stringers; po tr-1% pyrite tr-2%; sphalerite tr</p> <p>Foliation @ 45-50° throughout</p>
68.8	72.8	<p>Dark grey; fine grained; foliated - locally irregular mottled, weakly-moderately SERICITIC ALTERED SEDIMENT; foliation @ 45°</p> <p>disseminated-weak stringer po (approx 1-2%) throughout; very local irregular quartz-cct-sphalerite galena stringers; occasional quartz-carbonate vein with boudinage parallel to foliation.</p> <p>68.8-69.1; quartz-cct-sphalerite-galena vein; 5 cm; @ 60° with folded sphalerite stringers in wallrock @ l.c. over 10-15 cms.</p> <p>72; approx 1m core missing; gouge</p>
72.8	76.2	<p>Pale-medium grey; moderately foliated; fine grained; SILICEOUS UNIT with biotite seams ± pyrite along foliation and fine microfracts; disseminated fine-coarse grained pyrite, local patches-2-4% overall; local cct gashes; rusty gouge + b.c. locally throughout</p> <p>73.2; foliation @ 60°</p> <p>74-75.9; b.c. gouge, very poor recovery</p> <p>END OF HOLE 76.2m (Rods stuck;hole abandoned)</p>

DRILL HOLE RECORD

COMINCO LTD.

Property: Bronson Ck. (Snip J.V.)
 Commenced: 6/9/93
 Completed: 8/9/93
 Coordinates: 23500N, 11625E
 Contractor: Olympic Drilling
 Logged by: N.J. Callan

District: Liard M.D.
 Location: Iskut
 Core size: BQ
 Claim Reference:
 Tract/Claim: EL Oro
 Elevation: 817 m
 Licence:

Hole No.: CS93-6
 Length: 200.6 m
 Cor. Dip: -60°
 True Brg.: 045°NE
 % Recovery.: 96%
 Sample type:

Metres From	To	Description
0	6.7	Casing
6.7	157.3	<p>Dark grey-black-pale pinkish grey, fine-medium grained, well laminated to thin bedded MUDSTONE/SILTSTONE WACKE package; local minor variations in mudstone;siltstone proportions; rare intraformational coarse grained conglomeratic-breccia units; generally very fresh looking though pervasively weakly -moderately calcareous throughout; local m scale zones with buff-pink colour (? biotite) with local greenish chlorite hue too; often moderately strongly cct altered;</p> <p>sedimentary structures; lamination; bedding, loads/flames</p> <p>Alteration/min; fine grained disseminated-blebby-weak stringer po, comm i/g with cct; locally pyrite in similar habit; local galena + sphalerite associated with mm - 30 cm carbonate veins (locally with cct alteration halos arn'd larger e.g's)/cct ribbon veins; cct (<u>±</u> quartz) gash veins generally throughout</p> <p>6.7-31.0; mudstone 80%; siltstone approx 20%; locally weakly magnetic disseminated-weak stringer po, pyrite approx. 1% (locally < 2%) <u>±</u> cct</p> <p>6.7-9.7; b/c</p> <p>10.15-10.3; vuggy weathered cct-galena-sphalerite vein with weak cct bleaching; approx 65°; galena 7%, sphalerite tr; pyrite tr-1%</p> <p>12.6-13.0; weak-moderate patchy cct alteration zone with 1-2% blebby po, minor pyrite</p> <p>15.75; 1 cm, folded carbonate-pyrite-sphalerite vein @ 40°</p> <p>17.4; lamination @ 15-20°</p> <p>17.8; quartz-carbonate sphalerite vein; 1 cm; @ 45°</p> <p>18.6-18.65; carbonate (cct)-po vein @ 45°</p> <p>20.0-20.65; zone of cct alteration with banded cct-galena-pyrite-sphalerite po veins @ 70° at 20.05-20.15, 20.3-20.5</p>

DRILL HOLE RECORD

Property: Bronson Ck.

COMINCO LTD.Page 2 of 6
Hole No.: CS93-6

- galena 2-3%, sphalerite tr; pyrite 1%, po tr-1%;
- 20.9-21.5; zone of irregular-veinlike cct alteration; foliation @ 50°
minor wallrock bx; tr-1% po.
- 22.5; carbonate (cct) - po vein; 3 cm; @ 60°
- 27.4; lamination @ 30°
- 30-31; Gradational contact, approx 4-5% pyrite disseminated in
silty unit
- 31.0-42.4; approx. 80% pinkish siltstone; approx 20% muddy
interbeds/laminations; weak-moderate pervasive calcite;
minor local quartz-cct-gash veins; generally weakly min;
tr disseminated very fine grained po in silty beds; local
more coarse grained blebby pyrite/po < 5%
- 35.2; lamination/bedded @ 10°; flakes/loads indicate tops
down hole
- 38; lamination @ 30°
- 39.45; cct-po vein; 3 cm; @ 70°
- 42.3; laminated/bedded @ 40°; flames - tops down hole
- 42.4-55.9; approx. 50:50 mudstone/siltstone; laminated to thin-
bedded couplets; locally tr-1% po, disseminated-fine
stringers (\pm cct); quartz-cct gash veins
- 42.7-42.9; sil'd zone with mudstone bx @ 40°
- 44.45-44.65 cct altered zone with 1-2% po; wallrock bx
- 45.6; laminated/bedded @ 50°
- 47.4-47.5; banded cct-po-pyrite vein @ 70°; po approx 1-2%
pyrite 1-2% as stringers
- 51.7; thin bedded @ 45°
- 55.9-63.0; 90% mudstone; 5-10% siltstone; laminated-thin
bedded; ab irregular cct gash veins throughout; rare
pyrite (\pm cct) stringers; tr po (weakly magnetic local)
- 57.4; lamination @ 40°
- 63.0-64.9; light grey, medium grained, massive, granular lithic
wacke unit with 1-2 mm mudstone clasts; minor pyrite
+ cct stringers; rusty weathering

- u/c foliated with minor gouge; 4 cm
- 64.9-67.5; pale-medium grey, heterolithic wacke; sub l'ar; sub rounded siltstone, muddy siltstone, mudstone frags < 1 cm in general, locally < 5 cm; poorly sorted, immature;
cct gash veins throughout; weakly po (weak magnetic)
- 67.5-78.7; pinkish hue'd grey, moderately pervasive cct alteration mudstone (50%) siltstone (50%); thin bedded-laminated with couplets; Note: local biotite foliae associated with cct (see below) = brown colour; cct gash veins throughout; local carbonate-po-pyrite-sphalerite-biotite stringers + veinlets < 5 cm; po (approx. 1% disseminated throughout), tr pyrite
- 70.3; thin bedded @ 50°
- 73.1; 4 cm banded cct-po vein @ 80°; po approx. 7%
- 75.65-75.9; po (py) -cct-sphalerite stringers/seams @ 85°; 4% po, tr sphalerite
- 76.5; 5 cm carbonate-biotite-po (py) banded vein @ 80°
- 77; bedded/laminated @ 40°
- 78;-78.7; irregular cct-po stringers; po approx 3%
- 78.7-85.5; dark grey-grey pink mudstone/siltstone (approx. 50:50); less alteration than previous unit; local fine-medium grained biotite (\pm cct) stringers throughout; irregular cct gash vein throughout; tr-1% fine grained disseminated po, occasional stringers, local with intergrown cct; laminated/thin bedded @ 70°; gradational l.c.
- 85.5-94.0 pale pinkish grey cct-alteration mudstone/siltstone; laminated-thin bedded
local po-cct-? biotite stringers/banded veins < 5 cm; local po blebby + very fine grained disseminated throughout (tr-1%)
- 86.7; approx. 5 cm po-cct-quartz foliated vein @ 70°
- 91.2-91.3; cct-biotite banded vein
- 93.1-93.7; irregular po-cct stringers; tr cpy; tr aspy as local disseminations.
- 94.0-124; dark grey siltstone (70) / mudstone (30) unit; laminated to thin bedded; pervasive moderately calcareous; locally

Property: Bronson Ck.

- diffuse biotitic (brown) foliae/seams;
- very irregular cct gash veins throughout; disseminated blebby - irregular stringer po commonly intergrown with cct; local zones of irregular-blebby cct veining with 3-4% po, occasionally with chlorite, bio-selvages; tr cpy, tr-1% sphalerite.
- 100.4-101.45; irregular - foliated diffuse cct-po veining throughout @ approx. 20°; po < 4%
- 106; thin bedded @ 70°
- 113.2-113.6; irregular cct-po-chlorite veining with biotite alteration selvages and alteration of wallrock fragments; po approx 7%; 70° foliation.
- 113.9-114.1; quartz-cct-po-biotite veinlets; po 2%; trace sphalerite galena
- 114.7-115.2; diffuse cct-sphalerite-po veins with cct alteration @ 85°; sphalerite tr-1%; po tr - 1%
- 116.4-116.6; cct-sphalerite veins < 2 cm; sphalerite tr-1%; tr po, py @ 60°
- 119.2-119.5; zone of cct-po-sphalerite stringers/knotty veins @ 85°; sphalerite 1-2%; po tr-1% grad'l contact....
- 124-140 pale purplish-greenish-grey; weakly-moderately foliated, fine grained altered mudstone/siltstone unit; local weak-moderately pervasively calcareous brownish hue = fine grained **biotite**; locally green **chlorite** hue min includes local cct-sphalerite±aspy ± po; locally disseminated fine grained - blebby po; trace cpy intergrown with po.
- 126.4-126.55; sphalerite cct stringers/veins @ 85°; also approx 1 cm stringer of granular disseminated aspy; sphalerite approx 7%, aspy 2%, tr po/py
- 127.2; minor diffuse cct-sphalerite stringer;
- 127.4-127.7; zone of quartz-po veins < 1.5 cm and cct-sphalerite - po stringers < 0.5 cm; po 2-4%; sphalerite 2-4%
- 131; foliation @ 60°
- 136.9; 2 cm po-cpy-cct stringer

Property: Bronson Ck.

	<p>137.1-137.2; cct-po-sphalerite-chlorite diffuse fine grained vein @ 80° po approx. 15%; sphalerite approx. 8-10%</p>
	<p>140-157.3; thin bedded-laminated intercalated dark green-grey mudstone + pinkish brown grey siltstone; graded bedding-tops down hole; weakly magnetic; pervasive moderate cct especially silty units. cct gash vein throughout; sparse po-cct veinlets/stringers tr-1%; local tr-1% disseminated po; trace pyrite. gradational l.c.</p>
	<p>150; graded bedded-tops down hole @ 60°</p>
<p>157.3 165.9</p>	<p>BUFF grey; medium (-fine) grained; granular; MASSIVE SILICEOUS SILTSTONES AND WACKES; weakly biotitic fine grained sections with ab in place brecciation/microfracts; local moderately foliated sections with sericite seams</p>
	<p>157.3-158.5; coarse-medium grained wacke, buff colour; finer grained down-hole u/c foliated 70° with tr disseminated aspy.</p>
	<p>158.5-159.9; well foliated section; sericite seams; various boudinaged qv's quartz augen; trace disseminated pyrite; local ribbon quartz vein < 5 cm foliation @ 70°.</p>
	<p>159.9-165.9; buff grey; coarse - fine grained; massive; wacke/lithic wacke; fine grained material is auto bx with fracture network with tr-1% pyrite + biotite on fracts; approx. 1% disseminated pyrite associated with coarse units rare po (pyrite) stringers - po general tr.</p>
<p>165.9 170.7</p>	<p>Grey green; medium-coarse grained; moderately foliated, granular MASSIVE TUFF/WACKE; abundant x stalls-feldspar/mafics; locally bedded @ 40° with parallel foliation; locally irregular fine grained quartz < 1 cm; trace disseminated pyrite.</p>
<p>170.7 183.1</p>	<p>Pale green-grey-buff; locally laminated thin bedded, generally fine grained (local-medium grained); WACKE/SILTSTONE + SANDSTONE/MUDSTONE;</p>
	<p>170.7-172.4; well laminated-thin bedded @ 50°; siltstone-mudstone with minor medium grained wacke units with pyrite-po stringers (± cct) at 172.2-172.4 (approx. 4% po, 2% pyrite); trace disseminated po-pyrite.</p>
	<p>172.4-183.1; laminated-thin bedded - disrupted bedded (synsed?) with blobs of fine grained siltstone mudstone</p>

DRILL HOLE RECORD

COMINCO LTD.

Property: Bronson Ck.

Page 6 of 6
Hole No.: CS93-6

		sitting chaotically in medium grained wacke; erosive contact of coarse grained wacke into fine sediment-top down hole; rare po stringers, locally disseminated; tr-1%.
	172.4-174.5;	chaotic zone with rare qv and trace disseminated po
	174.5-175.2;	thin bedded @ 40°
	175.2-179.5;	chaotic
	179.5-183.1;	generally well laminated-thin bedded @ 30°
183.1	184.9	Buff grey-fine grained; foliated (approx. 70°), crenulated QUARTZ-SERICITE-BIOTITE SCHIST with boudinaged qv's quartz augen; tr-1% disseminated po rare stringer
184.9	200.9	Green-grey; fine grained-medium/coarse grained; laminated-thin bedded-massive-locally "chaotic"; ? chlorite; TUFF WACKE (mudstone-coarse wacke); locally weakly magnetic (tr po) variably irregular cct gash veins throughout local sphalerite-pyrite-po-cct-galena stringers/stringer zones; locally quartz-po-cpy stringers-patches
	184.9-195.5	fine grained laminated-thin bedded @ 50°
	195.5-198;	generally medium-coarse grained; bedded @ 60°
	198-200.9;	fine grained, thin bedded-chaotic
	186-187.4;	1-2% disseminated aspy ? associated with 2 cm q.v @ 186.9
	188.6;	lamination @ 60°
	191.2;	0.5 cm cct-sphalerite stringer
	192.65-192.85;	series of irregular po-galena-sphalerite-pyrite-cct veins; 3% galena, 2% sphalerite; 2% po/pyrite; @ 85°
	194.9-195.3;	stringer zone; po-sphalerite-cct-galena-cpy 1-2% sphalerite; tr-1% galena, tr-1% po-pyrite-trace cpy; @ 50°
	195.8-196.1;	quartz-po-cpy-pyrite stringer zone; 1-2% po, 1% pyrite trace cpy
	200.25-200.5;	pyrite-sphalerite-cct stringers @ 45°
		END OF HOLE 200.9 m

DRILL HOLE RECORD

COMINCO LTD.

Property: Bronson Ck. (Snip J.V.)
 Commenced: 9/9/93
 Completed: 10/9/93
 Coordinates: 23900N, 10700E
 Contractor: Olympic Drilling
 Logged by: N.J. Callan

District: Liard M.D
 Location:
 Core size: BQ
 Claim Reference:
 Tract/Claim: Reg 1
 Elevation: 805 m
 Licence:

Hole No.: CS93-7
 Length: 103 m
 Cor. Dip: -45°
 True Brg.: 047°NE
 % Recovery.: 97%
 Sample type:

Metres From	To	Description
0	3.0	Casing
3.0	23.7	<p>Dark brown-black, biotitic; coarse grained; massive; structureless, poorly sorted FRAGMENTAL/WACKE; lithic frags < 5 cm-dark brown fine grained biotitic to pale grey, often cct altered; angular, typ. immature</p> <p>-disseminated fine-coarse grained-patchy-local stringers of pyrite throughout, approx 2-5% -sporadic cct gash veins locally throughout - broad zones pale grey siliceous/carbonate alteration</p> <p>3.0-4.2; medium grained, massive wacke</p> <p>4.2-15.6; coarse fragmental wacke as described above; 8.3; 1 cm quartz vein @ 20°; 5% pyrite; 1% carbonate</p> <p>14.5; silica-carbonate vein 5 cm with vein bx (wall rock fragments with "colloform" type banding)</p> <p>15.6-20.35; pale grey siliceous-carbonate-dol/ank altered coarse fragmental; ghost frags < 5 cm still discernible; interconnected fine grained pyrite stringers/patches approx. 3-6%; quartz (minor carbonate) gash veins throughout</p> <p>15.6-15.8; banded quartz-ankerite/dolomite-biotite-pyrite vein with wallrock frags @ 60°</p> <p>20.35-23.7; biotitic fragmental as 4.2-15.6 with local minor bleaching, pyritized fragments; pyrite generally 2-3%</p>
23.7	52.9	<p>Medium brownish-grey; fine-medium (-locally coarse grained); massive, granular, THICK BEDDED WACKE; coarse grained sections with clear angular lithic fragments-poorly sorted;</p> <p>Local pale grey alteration similar to 15.6-20.35; also pale green alteration with local brown hue (biotite), focused around ankerite-quartz veins/vein swarms.</p> <p>tr-2% fine-medium grained pyrite disseminated locally throughout; occasional bands < 10 cms with 60% pyrite with interstitial cct</p>

Property: Bronson Ck.

Local shear veins; biotite-cct-pyrite chlorite; < 30 cms

quartz-carbonate gash veins @ 70-45°

23.7-27.3; fine-medium grained biotite wacke; massive; pyrite 2-3%

25-26; weak-moderately bleached around quartz-carbonate veins with 2 cm vein (@ 45°) at 25.9m; 2-3% disseminated pyrite

26.8; pyrite-cct stringers over 10 cm, approx. 15% pyrite

27.25; pyrite-cct stringers over 3 cm, approx. 6% pyrite

27.3-28.4; medium-coarse grained wacke; 2-3% disseminated pyrite

28.4-29.6; medium grained wacke

29.6-31.3; medium-coarse grained wacke; lithic fragments < 1 cm; Note: pyrite cct band < 3 cm 29.6-30 @ 10° to core axis; abundant quartz-carbonate gash veins < 2 cm; 2-3% disseminated pyrite, local mm stringers?

31.3-34.25; moderate-strongly bleached, pale grey fine grained local-medium grained wacke; ghost banding @ 70° (So?); similar alteration to 15.6-20.35; local pyrite (\pm cct) stringers < 1 cm; very fine grained disseminated pyrite; pyrite generally 2-3%; local weak biotite brown hue left

34.25-34.8 biotite-cct-chlorite-pyrite shear vein; foliation @ 60°; pyrite approx. 15%; trace sphalerite

34.8-36.7; pale grey, coarse grained; massive, granular lithic wacke; coarse at base (l.c.) lithic frags (buff siltstone) < 3 cm; angular, poorly sorted, local mafic frags (? volc); l.c. @ 50° sharp.

36.7-52.9; medium brownish grey, fine-grained-medium grained, granular, massive-thick bedded wacke with local minor sections coarse grained lithic wacke, locally with dark green? volcanic fragments; disseminated pyrite tr-1%

37.6-38; pale green, bleached, weakly calcareous, weak siliceous alteration around small, creamy carbonate (ankerite-dolomite) \pm quartz veinlets @ 60°; local disseminated pyrite approx. 5%

41.7-42.0; coarse grained wacke

44.4-45.8; weak bleaching-pale green

45.8-46.1; coarse grained lithic wacke

Property: Bronson Ck.

		46.1-47.3; abundant pale green bleached alteration associated with quartz-carbonate veins @ 50-30°; tr-2% pyrite
		49.0-50.0; coarse grained wacke with lithic fragments + mafic fragments; local bleaching
		50.0-51.7; pale-green bleached alteration with ? Cr-mica alteration of mafic frags; planar quartz-carbonate throughout @ 45°-10°
		51.7-52.9; coarse wacke; lithic frags, local pale green alteration
52.9	71.0	Pale grey-blue grey-green grey; fine grained; massive-fractured-brecciated to foliated; BRITTLY DEFORMED FAULTED ALTERATION ZONE ; sericite-carbonate (ankerite-dolomite)-pyrite alteration throughout; common gouge zones; breccia-fractured text very common; grey (comminuted) pyrite network and along local prom jts; local dismembered quartz vein material; irregular patchy to stringer fine grained pyrite throughout, locally more disseminated; pyrite approx 4-5% throughout, locally < 7%.
		52.7-54.4; pale green alteration, abundant b/c/
		67.3-68.3; weak foliated breccia; 75°
		69.9-70.5; major <u>gouge</u> with fabric @ approx. 80°; grey, sericitic, pyritic with r.fs.
71.0	90.1	Pale grey-buff, fine grained; massive ZONE OF BLEACHING-CARBONATE-SILICATE ALTERATION associated with carbonate ± quartz veinlet swarms and micro-fracts throughout core; local zones of weaker bleaching have green chloritic to local brown biotitic hue and relict banding (? So); local tr-2% disseminated-blebby pyrite; local cct-quartz-pyrite shear veins < 25 cms; irregular quartz-pyrite stringers/veins, occasionally with tr-2% cpy; quartz-carbonate gash vein throughout
		75.1; foliation @ 55°
		77.1-77.4; foliated cct-pyrite-quartz vein; 40°; pyrite approx. 8%
		86.6; 4 cm quartz-carbonate-cpy vein @ 60°; cpy approx. 4% coarse blebs.
		88.3; foliation @ 20°
90.1	101.5	Pale green-grey; fine grained; massive-foliated; MOTTLED BLEACHED ALTERATION ZONE with patches - bands of green chloritic alteration (locally brown biotite hue); ? tuffaceous component to alteration fine-medium grained wacke?
		quartz-cct gash veins locally throughout; local irregular cct-pyrite

DRILL HOLE RECORD

Property: Bronson Ck.

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Hole No.: CS93-7

stringers; sulphides generally trace; occasional foliated quartz-pyrite-carbonate vein.

91.4-91.6; quartz cct stringers @ 50°, granular pyrite approx 3-4%

95.5-95.65; granular cct-pyrite vein with 8% pyrite; @ 70°

100.7; 2 cm quartz-carbonate-pyrite vein @ 50°

101; irregular carbonate-pyrite stringers over 2 cm @ 70°

101.5

103

Dark green-brown mottled fine grained of **BIOTITE-CHLORITE ALTERATION** with carbonate + pyrite disseminations intergrown with biotite alteration phase; irregular mottled/patchy to weakly foliated @ 40°; pyrite disseminated-patches-stringers of disseminated grains, approx. 4%.

END OF HOLE 103 m

APPENDIX B

ANALYTICAL DATA

COMINCO METALS

SNIP OPERATIONS

ASSAY LABORATORY REPORT

930311
930312
930314

ASSAY DAT SEPT. 10/93

COMINCO-SKYLINE

JOB #:

SAMPLE #	Au ppb	Ag g/t	Cu g/t	Pb g/t	Zn g/t	F.A. Au
67251	143	10.8	115	40	59	
67252	51	5.9	163	20	56	
67253	46	2.0	69	17	51	
67254	38	2.4	110	23	46	
67255	19	2.0	80	20	66	
67256	50	2.6	65	15	52	
67257	200	2.2	84	14	131	
67258	37	4.5	77	186	105	
67259	214	2.9	133	19	106	
67260	7	2.4	80	21	77	
67261	28	6.5	253	1829	950	
67262	21	3.0	123	72	975	
67263	7	2.4	49	17	84	
67264	4	2.3	109	16	102	
67265	27	1.7	87	29	62	
67266	26	8.0	178	1139	1875	
67267	10	2.4	110	29	149	
67301	25	2.6	179	20	59	
67302	56	2.0	75	27	70	
67303	151	3.0	36	10	73	
67304	11	2.7	22	9	56	
67305	34	4.9	172	85	78	
67306	54	6.2	472	403	1150	
67307	67	6.5	1477	63	122	
67308	24	3.3	217	54	99	
67309	36	3.3	182	172	276	
67310	25	3.6	448	46	126	

27

27

27

27

27

0

ASSAYER: _____

CHIEF ASSAYER: _____

Derek A. Stoddard

COMINCO METALS

SNIP OPERATIONS

ASSAY LABORATORY REPORT

ASSAY DATE SEPT.12/93

COMINCO-SKYLINE

JOB #: 930320

SAMPLE #	Au ppb	Ag g/t	Cu g/t	Pb g/t	Zn g/t	F.A. Au
67275	55	6.3	104	12	77	
67276	36	5.2	96	16	71	
67277	11	4	64	9	75	
67278	51	3.2	43	4	70	
67279	37	3.3	52	6	69	
67280	34	4.9	85	10	71	
67281	31	5.3	107	26	84	
67282	17	9.2	129	20	79	
67283	37	4.7	106	23	74	
67284	94	5	111	140	365	
67285	50	4.4	179	22	90	
67286	48	5.8	108	10	75	
67287	47	4.3	156	13	104	
67288	65	5.4	105	17	108	
67289	87	3.3	92	9	85	
67290	39	6.9	61	33	87	
67291	25	3.3	58	47	88	
67292	21	3.2	71	26	113	
67293	17	3.6	40	20	72	
67294	37	3.6	72	138	170	
67295	17	3.5	39	6	50	
67296	3	4.6	40	45	344	
67297	12	6.3	136	294	139	
67298	1	3.7	63	18	54	
67299	5	3.2	61	19	1825	
67300	11	4.2	99	31	242	

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ASSAYER: _____

CHIEF ASSAYER: _____

Steve A. Blomfield

COMINCO METALS

SNIP OPERATIONS

ASSAY LABORATORY REPORT

ASSAY DATE SEPT. 12/93

COMINCO-SKYLINE

JOB #: 930336

SAMPLE #	Au ppb	Ag g/t	Cu g/t	Pb g/t	Zn g/t	F.A. Au
67351	436	2.5	82	190	3325	
67352	392	1.8	195	148	326	
67353	117	1.2	91	50	1200	
67354	33	<.1	116	7	147	
67355	76	1.1	78	112	313	
67356	31	0.7	180	22	135	
67357	42	<.1	160	7	56	
67358	64	0.8	157	17	85	
67359	36	<.1	89	1625	164	
67360	167	1.3	317	12	102	
67361	85	0.8	92	14	101	
67362	1047	2.7	398	21	45	1.00
67363	357	1.4	204	14	108	
67364	14	1.0	150	11	197	
67365	56	0.4	111	3	139	
67366	24	0.7	67	9	137	
67367	10	2.5	42	<1	116	
67368	30	2.7	408	13	70	
67369	116	2.1	244	14	152	
67370	431	63.5	82	10650	18125	
67371	889	14.3	566	698	1225	
67372	32	0.7	52	12	168	
67373	23	0.1	59	5	137	
67374	27	<.1	24	2	188	
67375	28	0.3	14	8	126	
67376	20	0.4	16	6	180	
67377	12	0.2	77	15	96	
67378	12	1.0	117	137	451	
67379	19	0.3	84	44	186	
67380	58	1.0	60	17	60	

67358-3

67373-3

67379-4

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ASSAYER: _____

CHIEF ASSAYER: _____

Dick A. Beall

BRONSON CK.-WD

Job V 93-0593R

Report date 14 OCT 1993

NJC

LAB NO	FIELD NUMBER	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb	Wt Au gram
R9307337	67451	63	124	236	1	<10	5
R9307338	67452	97	25	60	.9	<10	5
R9307339	67453	58	<4	52	.7	<10	5
R9307340	67454	50	6	136	.5	<10	5
R9307341	67455	81	8	49	.5	<10	5
R9307342	67456	83	8	37	.4	<10	5
R9307343	67457	96	7	67	.6	<10	5
R9307344	67458	75	9	32	.4	<10	5
R9307345	67459	65	<4	34	.7	<10	5
R9307346	67460	60	8	42	.7	<10	5
R9307347	67461	66	6	52	.4	<10	5
R9307348	67462	40	5	69	<.4	<10	5
R9307349	67463	55	4	67	.4	<10	5
R9307350	67464	49	12	127	<.4	<10	5
R9307351	67465	103	6	93	.4	<10	5
R9307352	67466	39	5	95	.5	<10	5
R9307353	67467	69	17	46	<.4	<10	5
R9307354	67468	63	14	247	.5	<10	5
R9307355	67469	52	12	49	.9	168	5
R9307356	67470	72	81	160	.9	<10	5
R9307357	67471	76	64	58	1.9	<10	5
R9307358	67472	43	4	52	.5	<10	5
R9307359	67473	45	13	81	.5	<10	5
R9307360	67474	22	<4	53	<.4	<10	5
R9307361	67475	56	56	177	.7	<10	5
R9307362	67476	63	9	50	.5	<10	5
R9307363	67477	91	31	68	.8	<10	5
R9307364	67478	111	12	90	.8	<10	5
R9307365	67479	37	6	50	.7	<10	5
R9307366	67480	81	13	44	1	<10	5
R9307367	67481	87	13	75	<.4	<10	5
R9307368	67482	77	7	53	.6	<10	5
R9307369	67483	67	5	61	.5	<10	5
R9307370	67484	113	8	52	.7	<10	5
R9307371	67485	59	19	92	1.3	20	5
R9307372	67486	39	6	64	.9	<10	5
R9307373	67487	36	9	52	.7	<10	5
R9307374	67488	22	10	58	.4	<10	5
R9307375	67489	43	10	76	.6	<10	5
R9307376	67490	26	7	47	.4	<10	5
R9307377	67491	38	9	52	.5	<10	5
R9307378	67492	913	33	68	2.1	<10	5
R9307379	67493	22	11	54	<.4	40	5
R9307380	67494	22	<4	45	.5	<10	5
R9307381	67495	48	27	66	.5	<10	5
R9307382	67496	59	16	187	.8	<10	5
R9307383	67497	93	101	830	1.7	<10	5
R9307384	67498	60	9	68	.7	<10	5
R9307385	67499	49	7	149	.6	<10	5
R9307386	67500	69	8	142	.7	<10	5
R9307387	78501	42	30	105	2	40	5

CS 93-1

CS 93-2

CS 93-3

LAB NO	FIELD NUMBER	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb	Wt Au gram
R9307388	78502	35	7	50	.4	<10	5
R9307389	78503	41	6	79	.6	<10	5
R9307390	78504	92	9	170	1.1	<10	5
R9307391	78505	84	13	91	1	20	5
R9307392	78506	76	10	125	<.4	<10	5
R9307393	78507	90	7	44	.8	<10	5
R9307394	78508	76	7	98	.7	<10	5
R9307395	78509	58	11	71	.8	<10	5
R9307396	78510	82	5	129	1.2	<10	5
R9307397	78511	42	5	67	.5	<10	5
R9307398	78512	55	5	87	.5	<10	5
R9307399	78513	62	4	57	.8	<10	5
R9307400	78514	82	58	118	1.6	<10	5
R9307401	78515	61	<4	122	1.1	<10	5
R9307402	78516	107	8	79	.8	<10	5
R9307403	78517	79	10	65	.8	<10	5
R9307404	78518	36	5	80	.4	<10	5
R9307405	78519	57	5	59	.8	<10	5
R9307406	78520	81	64	153	1.3	<10	5
R9307407	78521	73	44	204	1.1	32	5
R9307408	78522	69	<4	72	.9	<10	5
R9307409	78523	65	<4	120	<.4	<10	5
R9307410	78524	23	<4	117	<.4	<10	5
R9307411	78525	11	<4	152	1.1	<10	5
R9307412	78526	174	<4	65	1.3	<10	5
R9307413	78527	14	<4	59	<.4	<10	5
R9307414	78528	18	<4	59	<.4	<10	5
R9307415	78529	43	<4	56	<.4	<10	5
R9307416	78530	17	<4	56	.4	<10	5
R9307417	78531	55	<4	80	<.4	<10	5
R9307418	78532	52	<4	68	.4	<10	5
R9307419	78533	79	<4	68	<.4	<10	5
R9307420	78534	45	<4	63	.4	<10	5
R9307421	78535	100	9	155	.7	<10	5
R9307422	78536	33	16	62	.7	<10	5
R9307423	78537	51	13	188	.5	<10	5
R9307424	78538	285	253	E14700	4.3	90	5
R9307425	78539	116	55	1390	1.5	20	5
R9307426	78540	80	6	84	1.1	<10	5
R9307427	78541	65	6	249	.8	<10	5
R9307428	78542	103	15	492	.6	<10	5
R9307429	78543	207	5	75	.8	32	5
R9307430	78544	91	<4	44	.8	<10	5
R9307431	78545	132	<4	55	.8	<10	5
R9307432	78546	101	<4	100	.6	<10	5
R9307433	78547	109	5	32	.9	<10	5
R9307434	78548	44	4	37	.6	<10	5
R9307435	78549	48	14	571	.6	36	5
R9307436	78550	75	9	4080	.6	20	5
R9307437	78551	30	6	201	<.4	20	5
R9307438	78552	54	37	1350	1.1	100	5
R9307439	78553	28	32	82	.5	148	5
R9307440	78554	134	15	2210	1.3	104	5
R9307441	78555	91	22	3210	1.8	92	5

293 2
0593-4

LAB NO	FIELD NUMBER	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb	Wt Au gram
R9307442	78556	338	203	4340	6.1	164	5
R9307443	78557	224	88	1920	2.5	40	5
R9307444	78558	714	578	4550	17.1	2240	5
R9307445	78559	46	35	2260	1	56	5
R9307446	78561	77	3350	9790	10.6	20	5
R9307447	78562	82	13	123	<.4	<10	5
R9307448	78563	87	364	670	1.8	<10	5
R9307449	78564	72	9	127	.4	<10	5
R9307450	78565	104	10	990	.8	<10	5
R9307451	78566	101	40	1430	3.1	20	5
R9307452	78567	56	14	165	2.5	20	5
R9307453	78568	73	10	132	1.2	<10	5
R9307454	78569	92	31	78	3.6	112	5
R9307455	78570	68	7	83	.4	<10	5
R9307456	78571	66	7	113	1	<10	5
R9307457	78572	53	11	82	.8	<10	5
R9307458	78573	83	5	76	1.1	<10	5
R9307459	78574	93	152	157	1.9	<10	5
R9307460	78575	88	12	117	6.7	256	5
R9307461	78576	79	119	284	2.1	<10	5
R9307462	78577	88	6	69	1.2	<10	5
R9307463	78578	104	<4	52	.9	<10	5
R9307464	78579	95	8	109	1.2	<10	5
R9307465	78580	53	7	73	<.4	<10	5
R9307466	78581	105	320	641	3.6	<10	5
R9307467	78582	63	447	1710	2.6	<10	5
R9307468	78583	102	288	847	2.1	<10	5
R9307469	78584	74	133	1440	.8	<10	5
R9307470	78585	89	6	64	1.2	<10	5
R9307471	78586	78	29	88	.6	<10	5
R9307472	78587	100	15	116	.9	32	5
R9307473	78588	86	<4	93	.7	24	5
R9307474	78589	96	<4	105	.9	<10	5
R9307475	78590	164	<4	67	1.3	<10	5
R9307476	78591	51	27	51	1.1	<10	5
R9307477	78592	34	4	59	.4	<10	5
R9307478	78593	98	51	192	1.6	<10	5
R9307479	78594	24	7	84	.9	<10	5
R9307480	78595	38	<4	53	.4	64	5
R9307481	78596	72	883	1750	4.9	28	5
R9307482	78597	101	59	494	.7	<10	5
R9307483	78598	56	73	205	1.1	<10	5
R9307484	78599	109	115	233	1.5	<10	5
R9307485	78601	144	5	170	1.8	24	5
R9307486	78602	120	<4	209	1.5	<10	5
R9307487	78603	77	<4	92	1.4	<10	5
R9307488	78604	100	5	161	1.3	<10	5
R9307489	78605	63	<4	74	1	<10	5
R9307490	78606	111	6	66	1.7	<10	5
R9307491	78607	113	<4	56	2.7	<10	5
R9307492	78608	52	5	106	1.3	<10	5
R9307493	78609	84	7	174	.8	<10	5
R9307494	78610	77	6	218	.7	28	5
R9307495	78611	70	<4	312	.5	<10	5

303-4
CS 75-6

CS 93-5

LAB NO	FIELD NUMBER	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb	Wt Au gram
R9307496	78612	84	<4	220	1	<10	5
R9307497	78613	87	5	167	1.7	<10	5
R9307498	78614	62	10	176	.8	<10	5
R9307499	78615	180	84	536	2.2	<10	5
R9307500	78616	98	1180	E12300	8	144	5
R9307501	78617	134	27	350	1.3	40	5
R9307502	78618	176	604	2750	6	40	5
R9307503	78619	173	898	9400	8	84	5
R9307504	78620	68	136	461	1.2	24	5
R9307505	78621	82	78	543	.7	20	5
R9307506	78622	80	63	169	.9	604	5
R9307507	78623	123	7	586	<.4	196	5
R9307508	78624	179	467	3230	3	<10	5
R9307509	78625	277	5710	E41200	41.7	272	5
R9307510	78626	125	10	137	1.3	<10	5
R9307511	78627	10	<4	51	1.6	40	5
R9307512	78628	120	6	72	2.4	32	5
R9307513	78629	104	5	66	.8	<10	5
R9307514	78630	97	13	71	2.4	40	5
R9307515	78631	31	13	37	2.9	28	5
R9307516	78632	37	14	60	1.2	<10	5
R9307517	78633	57	16	55	1.6	20	5
R9307518	78634	58	6	57	1.5	20	5
R9307519	78635	66	9	86	1.1	<10	5
R9307520	78636	94	5	92	.4	20	5
R9307521	78637	65	6	85	1.4	100	5
R9307522	78638	211	7	29	3.8	<10	5
R9307523	78639	34	14	64	1.1	28	5
R9307524	78640	39	10	42	2.5	<10	5
R9307525	78641	34	<4	37	1.5	20	5
R9307526	78642	26	10	53	2.7	100	5
R9307527	78643	30	155	571	6.9	60	5
R9307528	78644	16	56	197	6.3	<10	5
R9307529	78645	68	<4	73	1	<10	5
R9307530	78646	37	<4	94	.7	<10	5
R9307531	78647+78648	35	8	59	.6	<10	5
R9307532	78649	59	14	73	.7	<10	5
R9307533	78650	67	5	82	.9	<10	5
R9307534	78651	26	9	56	.4	<10	5
R9307535	78652	23	6	56	<.4	<10	5
R9307536	78653	32	10	60	.4	<10	5
R9307537	78654	35	8	54	.5	<10	5
R9307538	78655	36	9	58	.6	<10	5
R9307539	78656	58	13	68	1.4	30	5
R9307540	78657	49	49	123	1.1	30	5
R9307541	78658	70	20	364	1.2	24	5
R9307542	78659	80	16	971	1.1	24	5
R9307543	78660	161	23	317	1.4	20	5
R9307544	78661	185	8	113	1.3	24	5
R9307545	78662	57	14	80	1.6	24	5
R9307546	78663	128	10	127	.5	<10	5
R9307547	78664	41	17	60	.7	<10	5
R9307548	78665	71	<4	46	.8	<10	5
R9307549	78666	51	16	94	.6	<10	5

CS 73-5

CS 73-7

LAB NO	FIELD NUMBER	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb	Wt Au gram
R9307550	78667	79	12	95	.7	<10	5
R9307551	78668	73	9	103	.6	<10	5
R9307552	78669	91	24	127	.7	<10	5
R9307553	78670	28	<4	89	<.4	<10	5
R9307554	78671	25	10	111	.6	<10	5
R9307555	78672	44	<4	86	.7	480	5
R9307556	78673	22	9	69	<.4	<10	5
R9307557	78674	37	20	70	<.4	<10	5
R9307558	78675	19	4	54	.5	<10	5
R9307559	78676	8	7	43	<.4	<10	5
R9307560	78677	4	<4	51	.6	<10	5
R9307561	78678	11	<4	43	.5	<10	5
R9307562	78679	1600	13	35	2.5	40	5
R9307563	78680	8	<4	45	.6	<10	5
R9307564	78681	9	<4	45	.6	<10	5
R9307565	78682	19	7	54	<.4	<10	5
R9307566	78683	18	<4	52	<.4	<10	5
R9307567	78684	3	<4	44	.8	<10	5
R9307568	78685	105	<4	57	.4	<10	5
R9307569	78686	60	<4	51	.5	<10	5
R9307570	78687	12	6	66	.4	<10	5
R9307571	78688	65	17	68	1.1	<10	5
R9307572	78689	2270	13	105	4.5	<10	5
R9307573	78690	70	<4	63	.7	<10	5
R9307574	78691	75	7	41	<.4	<10	5
R9307575	78692	35	<4	51	<.4	<10	5
R9307576	78693	50	<4	55	.6	<10	5
R9307577	78694	74	4	67	.7	<10	5
R9307578	78695	29	5	53	.6	<10	5
R9307579	78696	38	<4	60	.5	<10	5
R9307580	78697	53	<4	58	.8	<10	5
R9307581	78698	29	13	69	1	<10	5
R9307582	78699	15	9	50	.6	<10	5
R9307583	78700	16	<4	57	<.4	<10	5
R9307584	78701	209	9	73	.8	<10	5
R9307585	78702	95	4	64	.4	<10	5
R9307586	78703	20	5	61	.4	<10	5
R9307587	78704	35	8	63	.7	<10	5
R9307588	78705	55	12	95	.7	<10	5

I=insufficient sample X=small sample E=exceeds calibration C=being checked R=revised
 If requested analyses are not shown ,results are to follow

ANALYTICAL METHODS

Cu Aqua Regia decomposition / AAS
 Pb Aqua Regia decomposition / AAS
 Zn Aqua Regia decomposition / AAS
 Ag Aqua Regia decomposition / AAS
 Au Aqua regia decomposition / solvent extraction / AAS
 Wt Au The weight of sample taken to analyse for gold (geochem)

APPENDIX C - "EXHIBIT A"

1993 EXPENDITURES - SKYLINE OPTION

Staff Costs (incl. 5% report preparation)	18,400
Diamond-drilling	58,317
Drill pad construction	3,537
Helicopter	46,290
Geochemistry (core analysis)	6,360
Domicile	4,445
Communications	220
Drafting and Reproduction	<u>600</u>
Shipping	225
TOTAL	138,394

APPENDIX D

IN THE MATTER OF THE B.C. MINERAL ACT AND IN THE MATTER OF A DIAMOND-DRILLING PROGRAMME CARRIED OUT ON THE SKYLINE OPTION LOCATED 100 KMS NORTHWEST OF STEWART, B.C. IN THE LIARD MINING DIVISION OF THE PROVINCE OF BRITISH COLUMBIA, MORE PARTICULARLY NTS 104 B11

STATEMENT

I, **NICK CALLAN**, of the City of Vancouver, in the Province of British Columbia, make oath and say:

- i. **THAT** I am employed as a geologist by Cominco Ltd. and, as such have a personal knowledge of the facts to which I herein-after depose;
- ii. **THAT** annexed hereto and marked as "Exhibit A" to this statement is a true copy of expenditures incurred during a diamond-drilling programme on the Skyline option;
- iii. **THAT** the said expenditures were incurred from August 24 - September 11, 1993, for the purpose of mineral exploration on the above noted property.



Nick Callan
Geologist
Cominco Ltd.

Dated this 10 day of Dec, 1993
at Vancouver, B.C.

APPENDIX E

CERTIFICATION OF QUALIFICATIONS

I, **NICK CALLAN**, of the City of Vancouver, in the Province of British Columbia, do hereby certify:

- i. **THAT** I graduated with a B.A.(Hons) in Geology from the University of Oxford in 1985, and a M.Sc. in Geology from the University of Toronto in 1988.
- ii. **THAT** I have been actively engaged in mineral exploration from 1988 to 1993, and have been an employee of Cominco Ltd. from 1990 to the present.



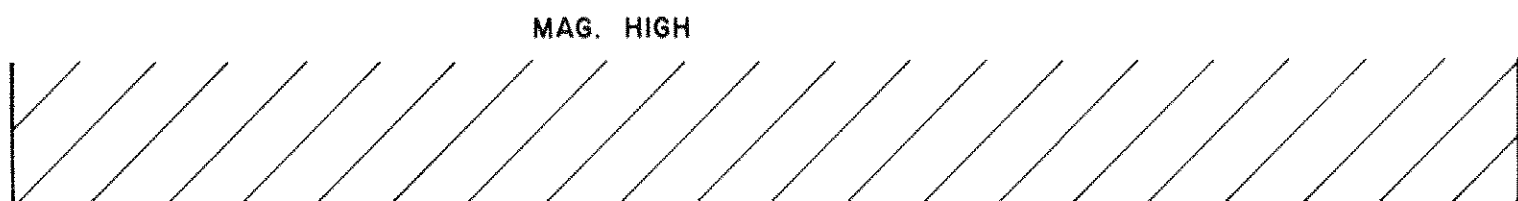
N.J. Callan
Geologist

December 1993



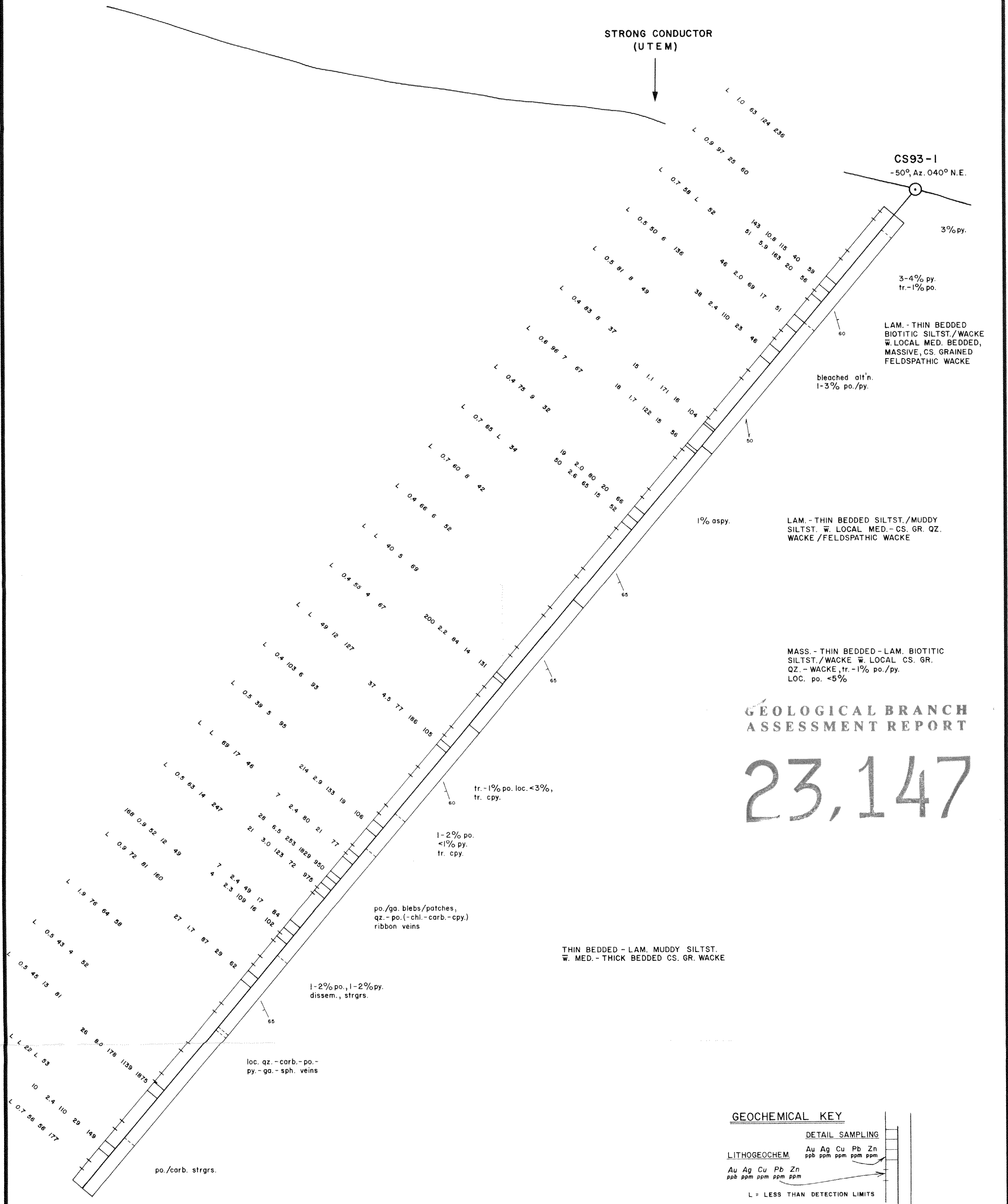
GEOLOGICAL BRANCH
ASSESSMENT REPORT
23,147

BRONSON J. V.		104 B/11	
Drawn by: N. J. C.	Traced by: a. m. o.		
Revised by:	Revised by:		
SKYLINE OPTION 1993 GRID, D.D.H. COLLAR LOCATIONS and MAIN SHOWINGS			
LIARD M.D., B.C.			
Scale: 1 : 2,500	Date: Oct. 26, '93	Plate: 4	



STRONG CONDUCTOR
(UTEM)

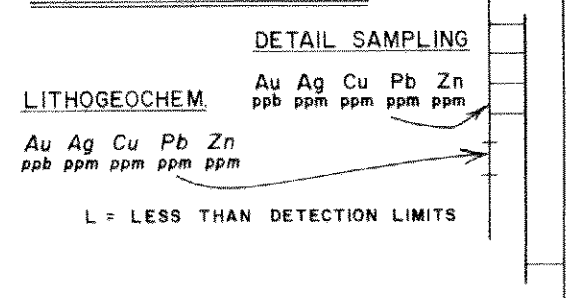
CS93-1
-50°, Az. 040° N.E.



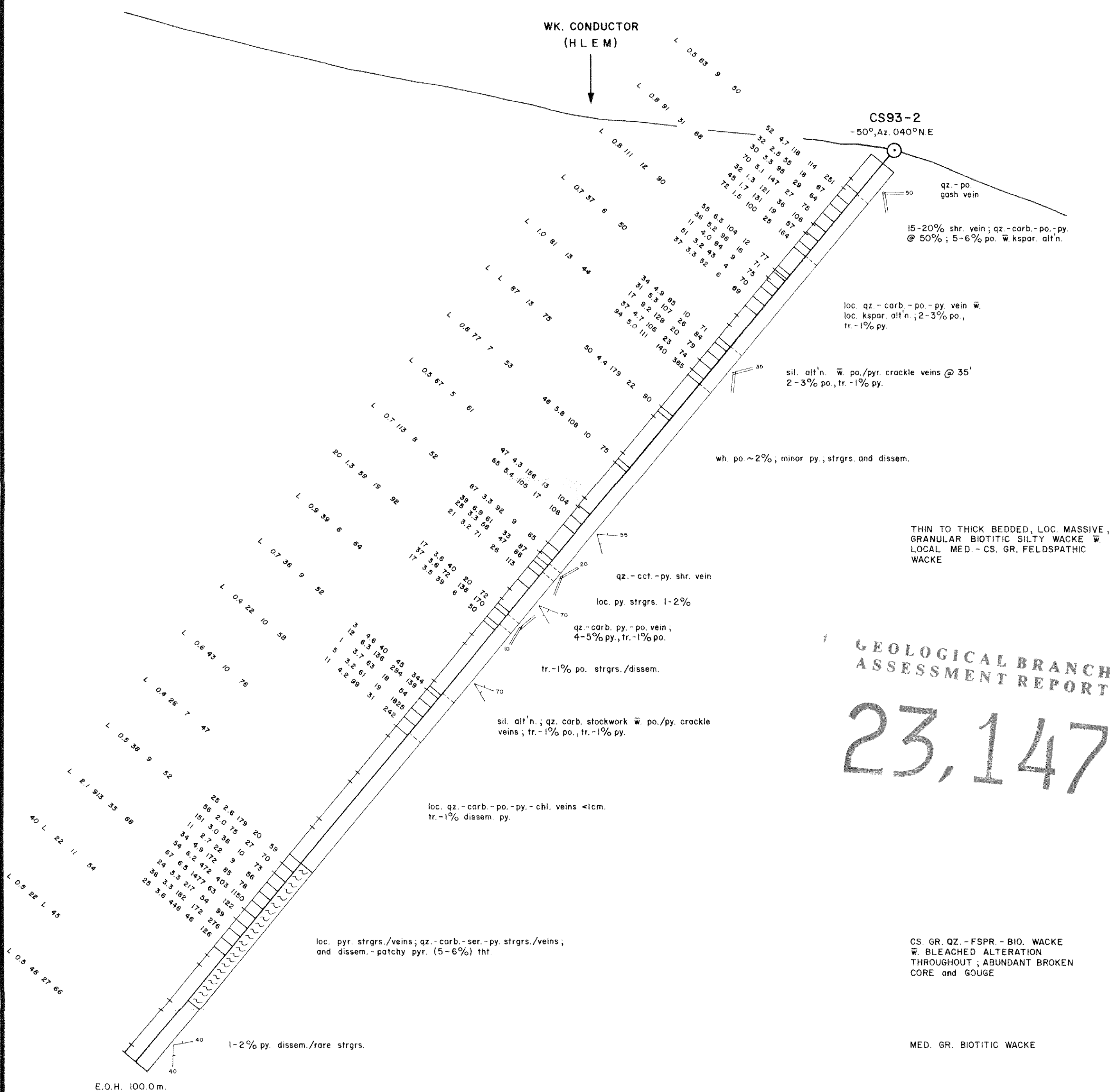
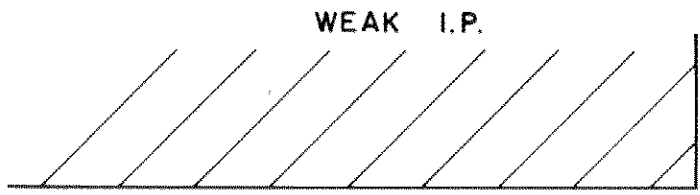
GEOLOGICAL BRANCH
ASSESSMENT REPORT

23,147

GEOCHEMICAL KEY



BRONSON J.V.				104 B/11	
Drawn by: N.J.C.	Traced by: a. m. a.		CS 93-1 (23293 N., 11085 E.)		
Revised by: _____	Date: _____	Revised by: _____			
LIARD M.D., B.C.			Scale: 1 : 250	Date: Nov. 12, 1993	Plate: 5



**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

23,147

CS. GR. QZ. - FSPR. - BIO. WACKE
 w. BLEACHED ALTERATION
 THROUGHOUT; ABUNDANT BROKEN
 CORE and GOUGE

MED. GR. BIOTITIC WACKE

GEOCHEMICAL KEY

LITHOGEOCHEM		DETAIL SAMPLING				
Au	Ag	Cu	Pb	Zn		
ppb	ppm	ppm	ppm	ppm	ppm	
Au	Ag	Cu	Pb	Zn		
ppb	ppm	ppm	ppm	ppm	ppm	

L = LESS THAN DETECTION LIMITS

BRONSON J.V.

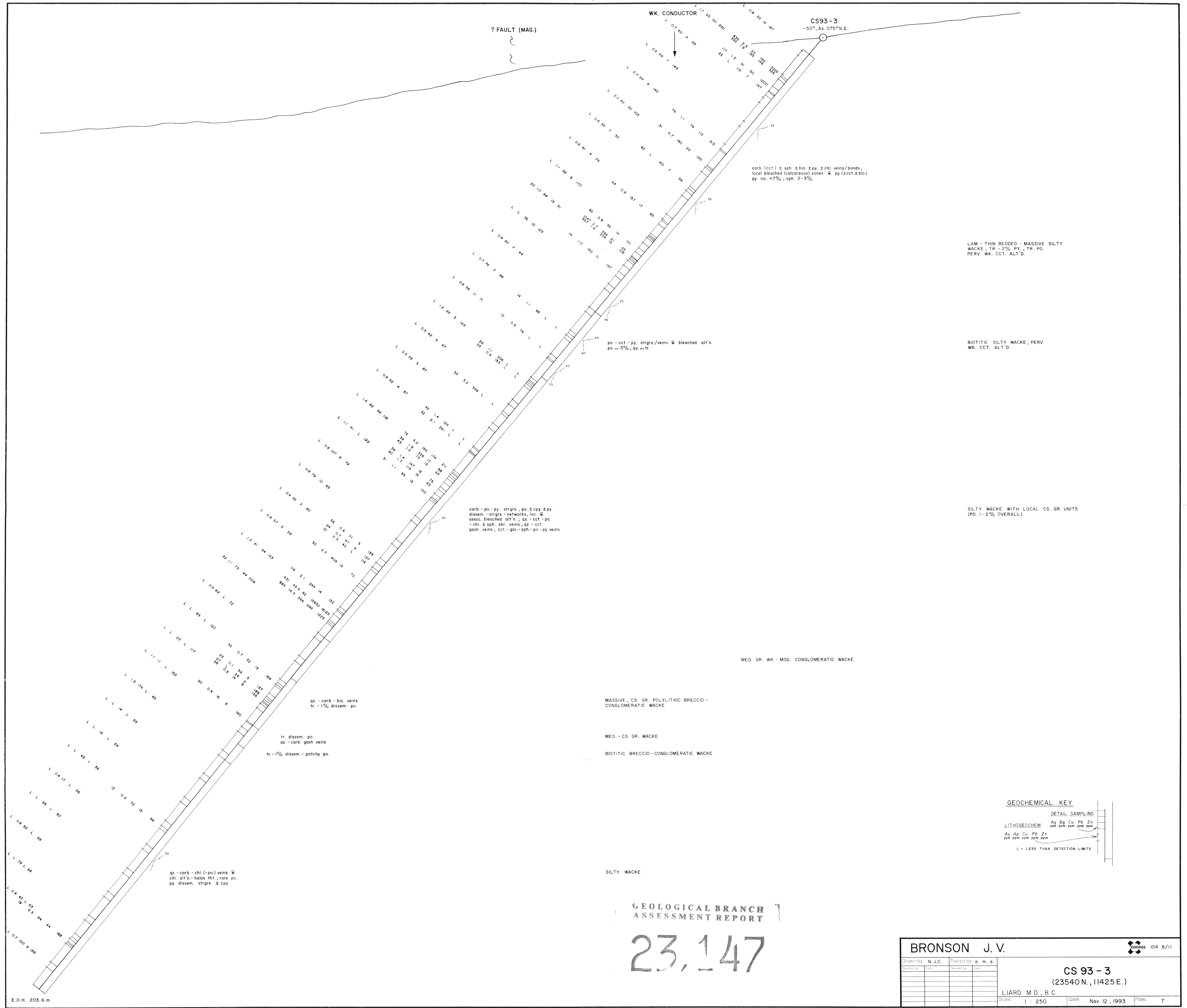
Drawn by: N.J.C. Traced by: a.m.a.

Revised by	Date	Revised by	Date

CS 93 - 2
(23500 N., 10940 E.)

LIARD M.D., B.C.

Scale: 1 : 250 Date: Nov. 12, 1993 Plate: 6



GEOCHEMICAL KEY

DETAIL SAMPLING

Au	Ag	Cu	Pb	Zn
ppb	ppm	ppm	ppm	ppm

LITHO-GEOCHEM

Au	Ag	Cu	Pb	Zn
ppb	ppm	ppm	ppm	ppm

L = LESS THAN DETECTION LIMITS

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

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BRONSON J. V.

Drawn by: N.J.C.	Traced by: a.m.a.
Revised by:	Revised by:
Date:	Date:

CS 93 - 3
(23540N., 11425E.)

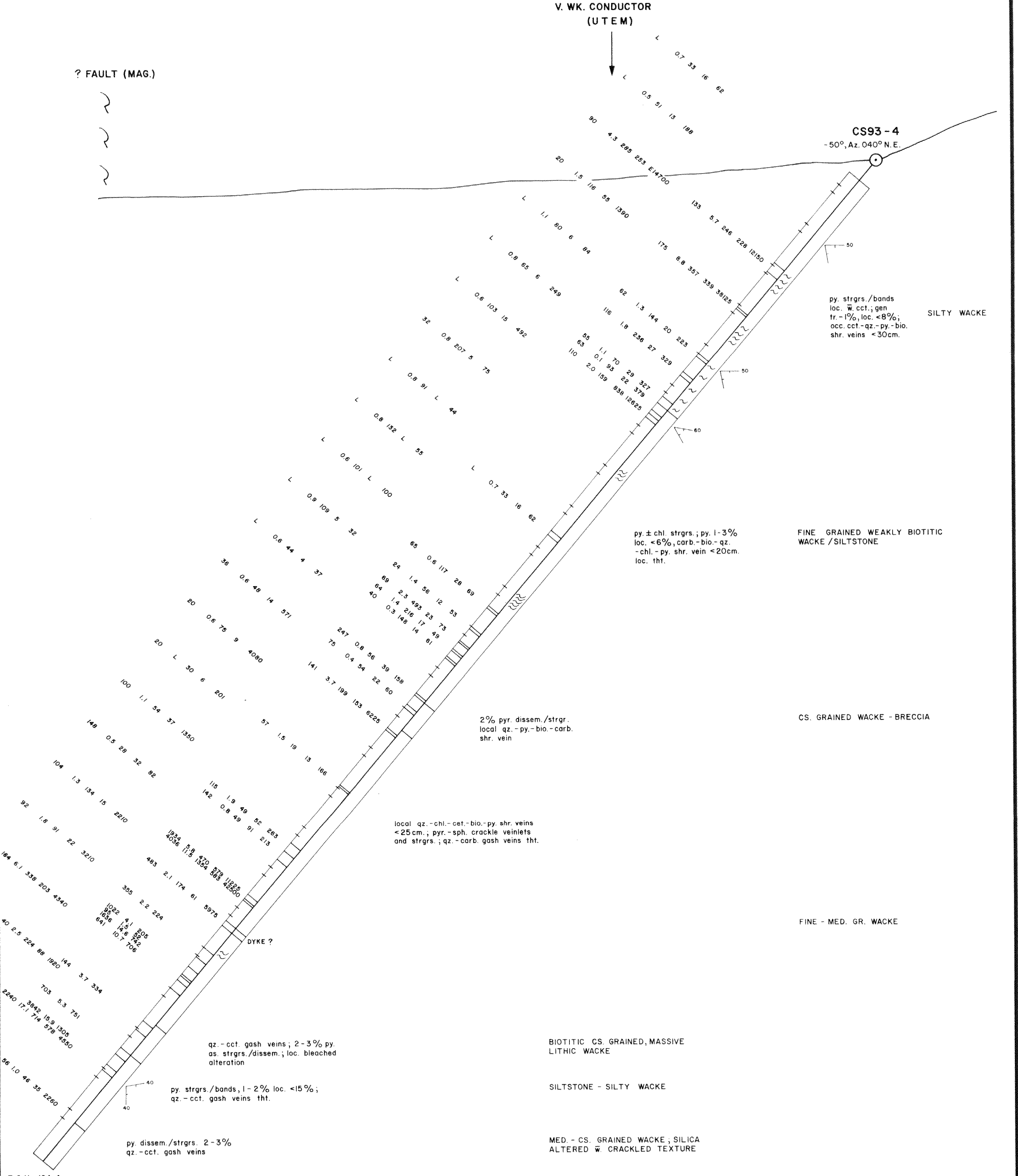
LIARD M.D., B.C.

Scale: 1 : 250 Date: Nov. 12, 1993 Plate: 7

? FAULT (MAG.)

V. WK. CONDUCTOR
(UTEM)

CS93-4
-50°, Az. 040° N.E.



py. strgrs./bands
loc. w. cct.; gen
fr. - 1%, loc. <8%;
occ. cct.-qz.-py.-bio.
shr. veins <30cm.

py. ± chl. strgrs.; py. l-3%
loc. <6%, carb.-bio.-qz.
-chl.-py. shr. vein <20cm.
loc. tht.

2% pyr. dissem./strgr.
local qz.-py.-bio.-carb.
shr. vein

local qz.-chl.-cct.-bio.-py. shr. veins
<25cm.; pyr.-sph. crackle veinlets
and strgrs.; qz.-carb. gash veins tht.

qz.-cct. gash veins; 2-3% py.
as. strgrs./dissem.; loc. bleached
alteration

py. strgrs./bands, l-2% loc. <15%;
qz.-cct. gash veins tht.

py. dissem./strgrs. 2-3%
qz.-cct. gash veins

GEOCHEMICAL KEY

DETAIL SAMPLING	
Au Ag Cu Pb Zn	ppb ppm ppm ppm ppm
LITHOGEOCHEM.	
Au Ag Cu Pb Zn	ppb ppm ppm ppm ppm

L = LESS THAN DETECTION LIMITS

GEOLOGICAL BRANCH
ASSESSMENT REPORT

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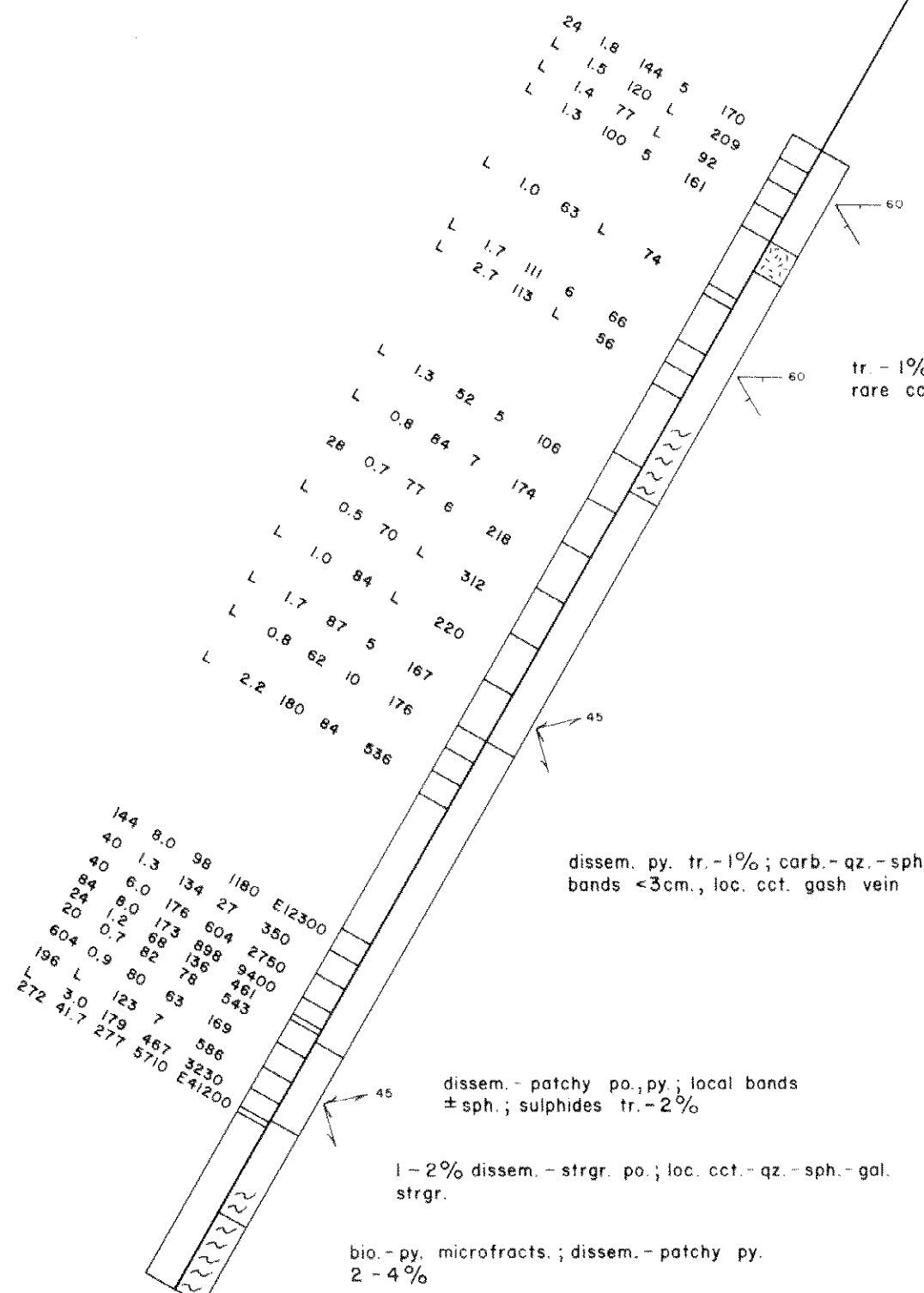
BRONSON J. V.		104 B/11	
Drawn by: N.J.C.	Traced by: a. m. a.	CS 93 - 4 (23795 N., 11600 E.)	
Revised by: _____	Revised by: _____		
LIARD M.D., B.C.		Scale: 1 : 250	Date: Nov. 12, 1993
			Plate: 8

CS93-5
-60°, Az. 030° N.E.

V. WK. CONDUCTOR

GEOLOGICAL BRANCH
ASSESSMENT REPORT

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2-3% disse. po.; rare
cct. - qz. strgrs.; silicified
zones.

SILTSTONE/MUDSTONE;
CARB./SERICITE ALT'D.

BIO.-FSPR.-QZ. INTRUSIVE DYKE

tr. - 1% disse. po.; tr. py.
rare cct. - qz. shr. veins <5cm.

THIN BEDDED - LAM. MUDSTONE/
SILTSTONE

SERICITIC - LIMONITIC ALT'D.
SILTSTONE/MUDSTONE

dissem. py. tr. - 1%; carb. - qz. - sph. - py.
bands <3cm., loc. cct. gash vein

LOCALLY LITHIC MED.-COARSE
GRAINED WACKE

dissem. - patchy po., py; local bands
± sph.; sulphides tr. - 2%

SERICITE SCHIST

1 - 2% disse. - strgr. po.; loc. cct. - qz. - sph. - gal.
strgr.

SERICITE ALT'D. F. GR. WACKE

bio. - py. microfracts.; disse. - patchy py.
2 - 4%

SILICA ALT'D. F. GR. WACKE

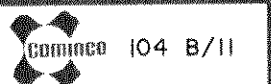
GEOCHEMICAL KEY

LITHOGEOCHEM.	DETAIL SAMPLING				
	Au	Ag	Cu	Pb	Zn
	ppb	ppm	ppm	ppm	ppm
	ppb	ppm	ppm	ppm	ppm

L = LESS THAN DETECTION LIMITS

HOLE LOST @ 76.2 m.

BRONSON J. V.



Drawn by: N.J.C.	Traced by: a. m. a.
Revised by: _____	Revised by: _____
Date: _____	Date: _____
_____	_____
_____	_____
_____	_____

CS 93 - 5
(39 N., 1550 E.)

LIARD M.D., B.C.

Scale: 1 : 250

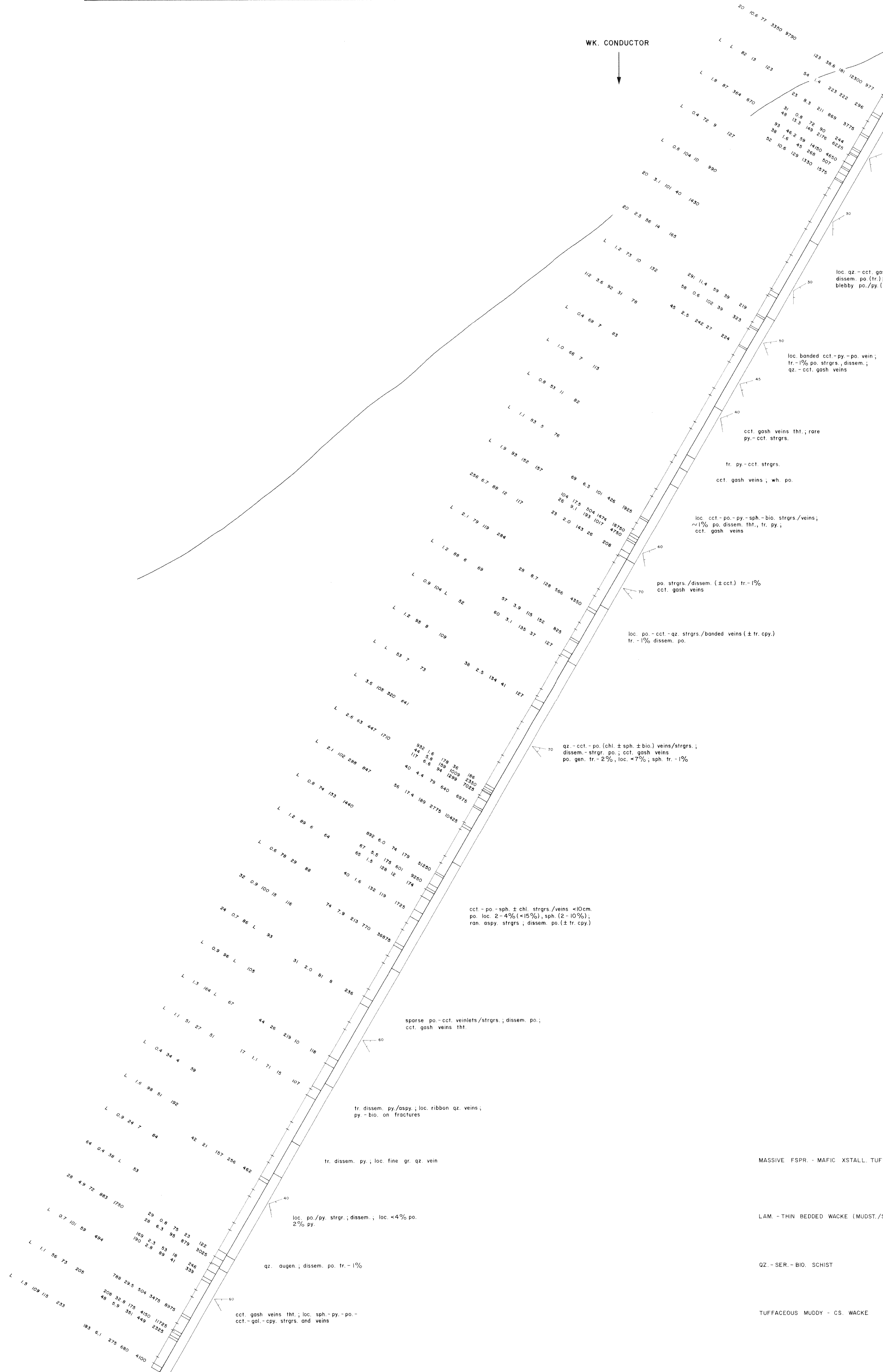
Date: Nov. 12, 1993

Plate: 9

WEAK I.P.

CS93-6
-60°, Az. 040° N.E.

WK. CONDUCTOR



LAM. - THIN BEDDED WACKE
80% MUDSTONE, 20% SILTSTONE

LAM. WACKE; 80% SILTSTONE,
20% MUDSTONE

LAM. WACKE; 50% SILTST.,
50% MUDST.

LAM. - THIN BEDDED WACKE;
90% MUDST., 10% SILTST.

MASSIVE LITHIC WACKE
HETEROLITHIC WACKE

WACKE; 50% MUDST., 50% SILTST.
PERV. CCT. ALT'D.

WACKE; 50% MUDST., 50% SILTST.

CCT. ALT'D. LAM. - THIN BEDDED
WACKE (MUDST. - SILTST.)

LAM. - THIN BEDDED WACKE - SILTST. (70%),
MUDST. (30%), PERV. MOD. CCT. ALT'D.; WK. BIO.

WACKE (MUDST. - SILTST.); WKLY. BIO./CHL. ALT'D.;
PERV. WK. - MOD. CCT. ALT'D.

THIN BEDDED - LAM. MUDST./SILTST.
PERV. MOD. CCT. ALT'D.

MASSIVE SILTST./WACKE; WKLY.
BIO. ALT'D., LOC. SILICEOUS

MASSIVE FSPR. - MAFIC XSTALL. TUFF/WACKE

LAM. - THIN BEDDED WACKE (MUDST./SILTST.)

QZ. - SER. - BIO. SCHIST

TUFFACEOUS MUDDY - CS. WACKE

GEOLOGICAL BRANCH
ASSESSMENT REPORT

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GEOCHEMICAL KEY

DETAIL SAMPLING	
LITHOGEOCHEM	Au Ag Cu Pb Zn ppm ppm ppm ppm ppm
	Au Ag Cu Pb Zn ppm ppm ppm ppm ppm

L = LESS THAN DETECTION LIMITS

BRONSON J.V.

Drawn by: N.J.C.	Traced by: a.m.o.
Revised by: _____	Revised by: _____
_____	_____
_____	_____

CS 93 - 6
(23500 N., 11625 E.)

LIARD M.D., B.C.

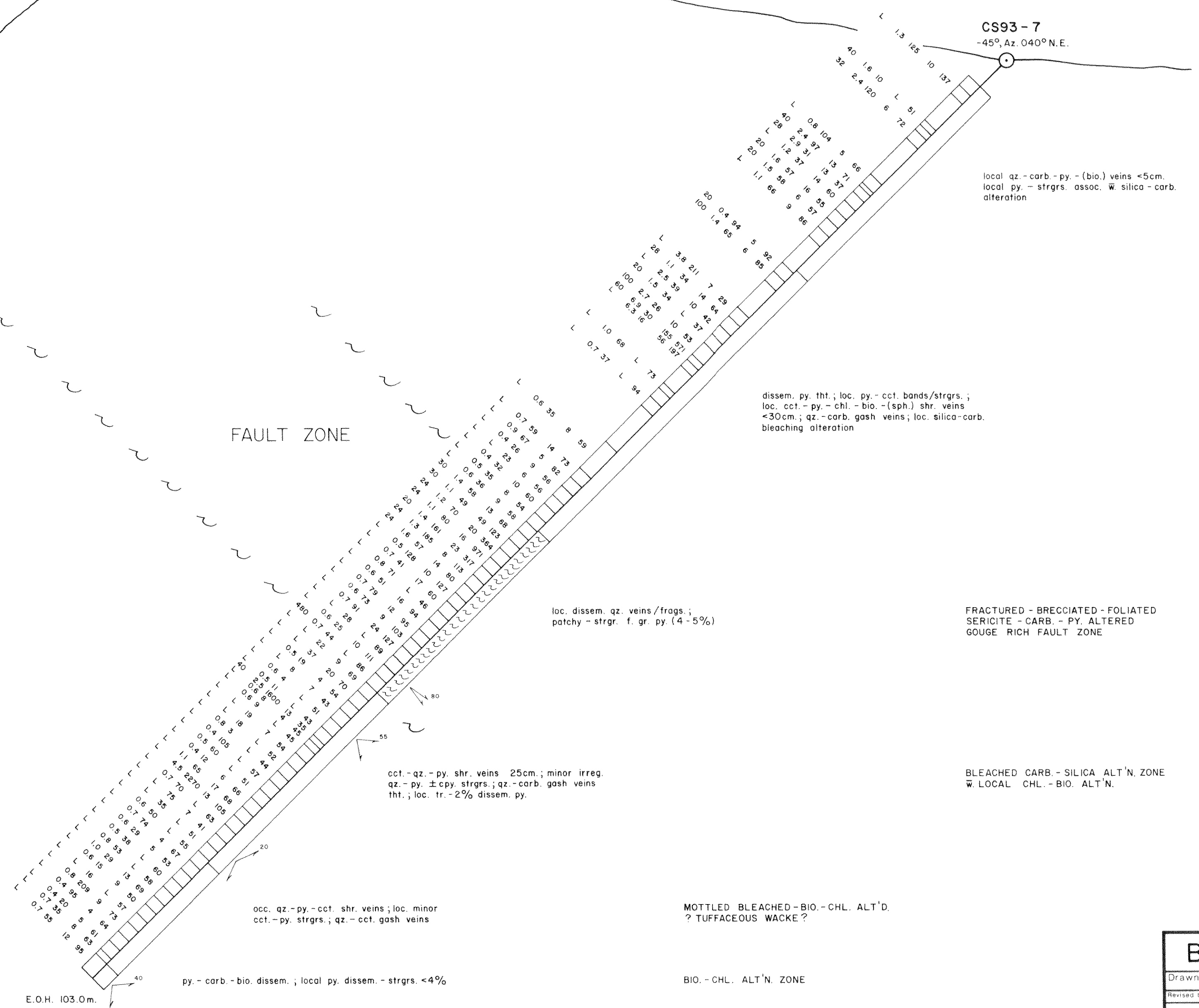
Scale: 1 : 250 Date: Nov. 12, 1993 Plate: 10

E.O.H. 200.6 m.

23,147

CS93-7
-45° Az. 040° N.E.

SKY CK.



local qz - carb. - py. - (bio.) veins <5cm.
local py. - strgrs. assoc. w. silica - carb.
alteration

CS. GRAINED LITHIC WACKE
w. LOCAL SILICA - CARB. ALT'N.

dissem. py. tht.; loc. py. - cct. bands/strgrs.;
loc. cct. - py. - chl. - bio. - (sph.) shr. veins
<30cm; qz. - carb. gash veins; loc. silica-carb.
bleaching alteration

THICK BEDDED, LOCALLY
LITHIC; WACKE

loc. dissem. qz. veins/frags.;
patchy - strgr. f. gr. py. (4-5%)

FRACTURED - BRECCIATED - FOLIATED
SERICITE - CARB. - PY. ALTERED
GOUGE RICH FAULT ZONE

cct. - qz. - py. shr. veins 25cm.; minor irreg.
qz. - py. ± cpy. strgrs.; qz. - carb. gash veins
tht.; loc. tr. - 2% dissem. py.

BLEACHED CARB. - SILICA ALT'N. ZONE
w. LOCAL CHL. - BIO. ALT'N.

occ. qz. - py. - cct. shr. veins; loc. minor
cct. - py. strgrs.; qz. - cct. gash veins

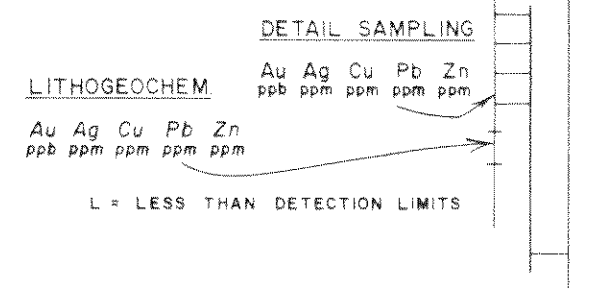
MOTTLED BLEACHED - BIO. - CHL. ALT'D.
? TUFFACEOUS WACKE?

py. - carb. - bio. dissem.; local py. dissem. - strgrs. <4%

BIO. - CHL. ALT'N. ZONE

E.O.H. 103.0m.

GEOCHEMICAL KEY



BRONSON J. V.				COMINCO 104 B/11	
Drawn by: N.J.C.	Traced by: a. m. a.		CS 93 - 7 (23900 N., 10700 E.) LIARD M.D, B.C.		
Revised by: _____	Date: _____	Revised by: _____			
Scale: 1 : 250			Date: Nov. 12, 1993	Plate: 11	