2338

PART 3 OF 3

ASSESSMENT REPORT

1991 PROGRAM

SIB 1-16, 20-39 CLAIMS

ESKAY CREEK REGION

SKEENA MINING DIVISION
BRITISH COLUMBIA
CANADA

N.T.S. 104B/9,10
Latitude 56° 35' N
Longitude 130° 29' W

For

AMERICAN FIBRE CORPORATION
#701 - 475 Howe Street
Vancouver, B.C.

and

SILVER BUTTE RESOURCES
#1201 - 900 West Hastings Street
Vancouver, B.C.

Prepared By

COPELAND REBAGLIATI & ASSOCIATES LTD.
#700 - 1177 West Hastings Street
Vancouver, B.C.

D.J. Copeland, P.Eng.
R.J. Haslinger, P.Eng.
C.M. Rebagliati, P.Eng.

March 25, 1992

MAP FILE

GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,338

PART 3 OF 3

NORTH SHEET

CENTER SHEET

SOUTH SHEET

scale
0 50 100 150
metres

SILVER BUTTE RESOURCES LTD.
AMERICAN FIBRE CORPORATION

COPELAND REBAGLIATI & ASSOCIATES LTD.

SIB PROPERTY

SKEENA M.D., B.C.

DIAMOND DRILL
HOLE PLAN

1

SCALE: 1 : 2000	DRAWN: Proforma GeoDraft Ltd.	DRAFT:
DATE: FEB. 1992	SOUTH SHEET	FIGURE: 2b48

MATCH LINE TIES TO NORTH SHEET

Global 14000 N

Global 17500 E

Global 19500 E

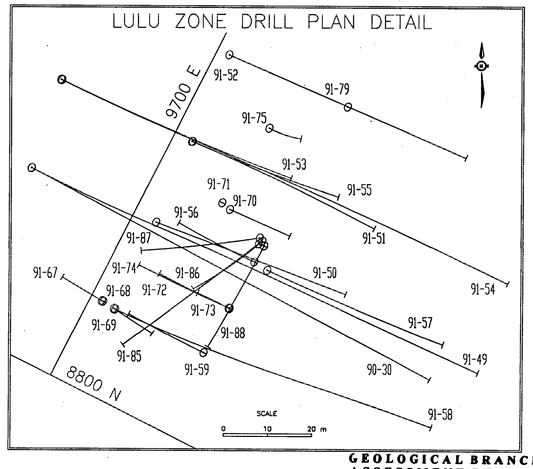
SIB LK.

SIB 7-6 I.P.

SEE DETAIL FOR DRILLING AT LULU ZONE

MATCH LINE TIES TO SOUTH SHEET

LULU ZONE DRILL PLAN DETAIL



GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,338

PART 3 OF 3

NORTH SHEET

CENTER SHEET

SOUTH SHEET

SILVER BUTTE RESOURCES LTD.
AMERICAN FIBRE CORPORATION

COPELAND REBAGLIATI & ASSOCIATES LTD.

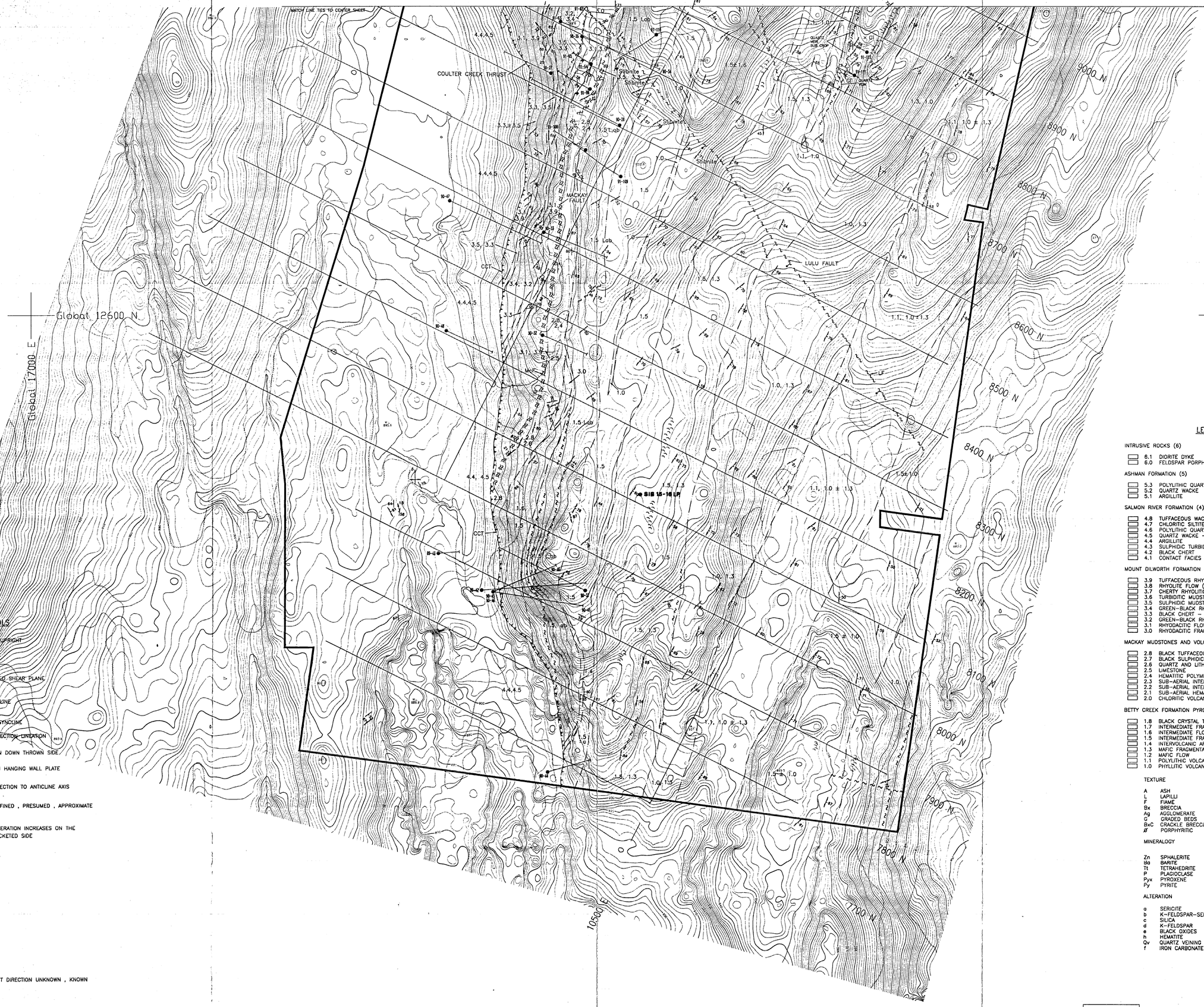
SIB PROPERTY

SKEENA M.D., B.C.

DIAMOND DRILL HOLE PLAN

SCALE 1 : 2000 | DRAWN FYeComp GeoDraft Ltd. | DATE FEB. 1992 | CENTER SHEET | FIGURE 2

Global 16000 N
Global 18200 E
Global 16000 N
Global 20000 E
9500 E
9600 E
9700 E
9800 E
9900 E
10000 E
10100 E
10200 E
10300 E
10400 E
10500 E
12000 N
11900 N
11800 N
11700 N
11600 N
11500 N
11400 N
11300 N
11200 N
11100 N
11000 N
10900 N
10800 N
10700 N
10600 N
10500 N
91-89
91-95
91-94
91-90
91-92
91-98
91-91
91-99
91-96
91-97
90-18
90-15
90-25
90-16
90-17
SIB/1-2 CR
LWJV90-02
-45E
-90
91-100
91-103
90-39
NORTH SHEET
CENTER SHEET
SOUTH SHEET
scale
0 50 100 150
metres
MATCH LINE THIS TO CENTER SHEET
GEOLOGICAL BRANCH
ASSESSMENT REPORT
22,338
PART 3 OF 3
SILVER BUTTE RESOURCES LTD.
AMERICAN FIBRE CORPORATION
COPELAND REBAGLIATI & ASSOCIATES LTD.
SIB PROPERTY
SKEENA M.D., B.C.
DIAMOND DRILL
HOLE PLAN
1 : 2000
FEB. 1992
Trackmap GeoDraft Ltd.
NORTH SHEET
3
Fig 4B



SYMBOLS

- BEDDING ; OVERTURNED , UPRIGHT
- FOLIATION SURFACE
- COMPOSITIONAL LAYERING
- SHEAR PLANE , SUPPLIMED SHEAR PLANE
- UPRIGHT ANTICLINE , SYNCLINE
- OVERTURNED ANTICLINE , SYNCLINE
- BEDDING CLEVANGE INTERSECTION LINEATION
- NORMAL FAULTS ; BALL ON DOWN THROWN SIDE
- THRUST FAULT , TEETH ON HANGING WALL PLATE
- CLEAVAGE VERGENCE , DIRECTION TO ANTICLINE AXIS
- GEOLOGICAL CONTACT ; DEFINED , PRESUMED , APPROXIMATE
- ALTERATION CONTACT ; ALTERATION INCREASES ON THE PICKETED SIDE
- OXIDE ZONE
- TALUS
- BRECCIA
- OUTCROP
- CONGLOMERATE
- TRENCH
- ADIT
- 91-94 DIAMOND DRILL HOLE
- TM TERMINAL MORRANE
- GLACIAL STRIA ; TRANSPORT DIRECTION UNKNOWN , KNOWN

McF	MACKAY FAULT
BKF	BATTLESHIP KNOLL FAULT
ACF	ARGILLITE CREEK FAULT
CCT	COULTER CREEK THRUST
LF	LULU FAULT

- CLAIM BOUNDARY

LEGEND

INTRUSIVE ROCKS (6)

- 6.1 DIORITE DYKE
- 6.0 FELDSPAR PORPHYRITIC FELSIC DYKE

ASHMAN FORMATION (5)

- 5.3 POLYLITHIC QUARTZ PEBBLE CONGLOMERATE
- 5.2 QUARTZ WACKE
- 5.1 ARGILLITE

SALMON RIVER FORMATION (4)

- 4.8 TUFFACEOUS WACKE
- 4.7 CHLORITIC SILTITE
- 4.6 POLYLITHIC QUARTZ PEBBLE CONGLOMERATE
- 4.5 QUARTZ WACKE – LITHIC WACKE
- 4.4 ARGILLITE
- 4.3 SULPHIDIC TURBIDITE – PYRITIC SILTITE
- 4.2 BLACK CHERT
- 4.1 CONTACT FACIES – ARGILLITE – RHYOLITE BRECCIA

MOUNT DILWORTH FORMATION – FELSIC UNIT (3)

- 3.9 TUFFACEOUS RHYOLITE
- 3.8 RHYOLITE FLOW (AUTOBRECCIATED)
- 3.7 CHERTY RHYOLITIC FLOW
- 3.6 TURBIDITIC MUDSTONE
- 3.5 SULPHIDIC MUDSTONE AND CHERT
- 3.4 GREEN–BLACK RHYOLITIC FRAGMENTAL AND CHERT BRECCIA
- 3.3 BLACK CHERT – CHERT BRECCIA
- 3.2 GREEN–BLACK RHYOLITIC FLOW
- 3.1 RHYODACITIC FLOW
- 3.0 RHYODACITIC FRAGMENTAL

MACKAY MUDSTONES AND VOLCANIC WACKES (2)

- 2.8 BLACK TUFFACEOUS MUDSTONE
- 2.7 BLACK SULPHIDIC MUDSTONE
- 2.6 QUARTZ AND LITHIC WACKE
- 2.5 LIMESTONE
- 2.4 HEMATITIC POLYMICTIC VOLCANIC WACKE
- 2.3 SUB–AERIAL INTERMEDIATE FRAGMENTAL
- 2.2 SUB–AERIAL INTERMEDIATE FLOW
- 2.1 SUB–AERIAL HEMATITIC DEBRIS FLOW
- 2.0 CHLORITIC VOLCANIC WACKE

BETTY CREEK FORMATION PYROCLASTICS (1)

- 1.8 BLACK CRYSTAL TUFF
- 1.7 INTERMEDIATE FRAGMENTAL AND CLASTIC BRECCIA
- 1.6 INTERMEDIATE FLOW
- 1.5 INTERMEDIATE FRAGMENTAL
- 1.4 INTERVOLCANIC ARGILLITE
- 1.3 MAFIC FRAGMENTAL
- 1.2 MAFIC FLOW
- 1.1 POLYLITHIC VOLCANIC WACKE
- 1.0 PHYLLITIC VOLCANICLASTIC

TEXTURE

A	ASH
L	LAPILLI
F	FIAME
Bx	BRECCIA
Ag	AGGLOMERATE
G	GRADED BEDS
BxC	CRACKLE BRECCIAS, STOCKWORK VEINLETS
ø	PORPHYRITIC

MINERALOGY

Zn	SPHALERITE	Gl	GALENA
Ba	BARITE	Cpy	CHALCOPYRITE
Tt	TETRAHEDRITE	Asp	ARSENOPYRITE
P	PLAGIOCLASE		
Pyx	PYROXENE		
Py	PYRITE		

ALTERATION

a	SERICITE
b	K–FELDSPAR–SERICITE–PYRITE
c	SILICA
d	K–FELDSPAR
e	BLACK OXIDES
h	HEMATITE
Qv	QUARTZ VEINING
f	IRON CARBONATE

GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,338

PART 3 OF 3

SCALE 0 50 100 150 metres

NORTH SHEET
CENTER SHEET
SOUTH SHEET

MODIFIED AFTER OLIVER, 1992

4

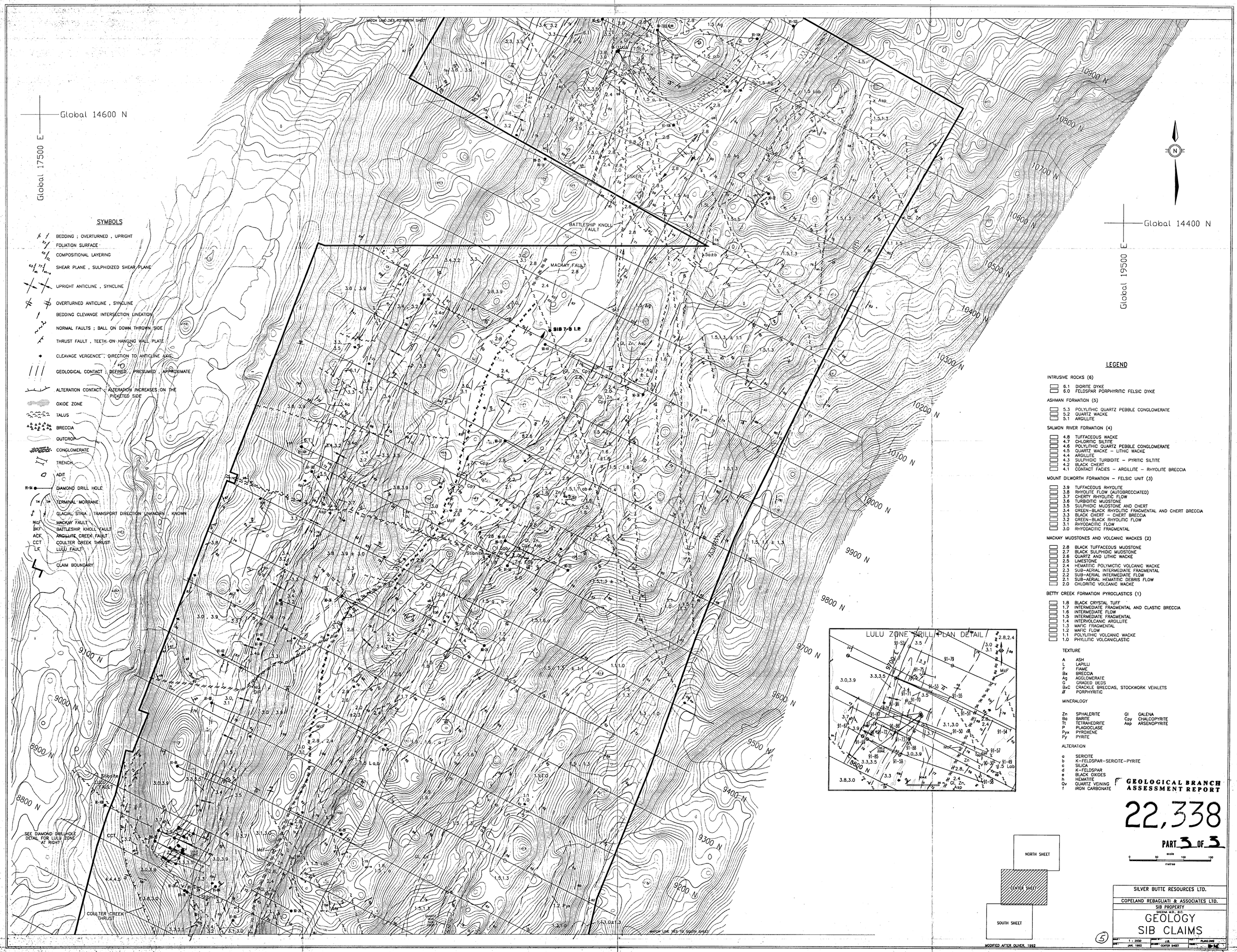
SILVER BUTTE RESOURCES LTD.
AMERICAN FIBRE CORPORATION

COPELAND REBAGLIATI & ASSOCIATES LTD.

SIB PROPERTY
MOUNT NEIL, B.C.

GEOLOGY
SIB CLAIMS

SCALE 1 : 2000	DRAWN Pacific GeoSoft Ltd.	FILE PLANT.DWG	
DATE FEB. 1992	SOUTH SHEET		


Global 14600 N
Global 17500 E
Global 14400 N
Global 19500 E
MATCH LINE TIES TO NORTH SHEET
MATCH LINE TIES TO SOUTH SHEET
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MACKAY FAULT
ESKER
SIB 7-8 I.P.
LULU FAULT
COULTER CREEK THRUST
SEE DIAMOND DRILL HOLE DETAIL FOR LULU ZONE AT RIGHT
LULU ZONE DRILL PLAN DETAIL
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BEDDING ; OVERTURNED , UPRIGHT
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COMPOSITIONAL LAYERING
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DIAMOND DRILL HOLE
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GLACIAL STRIA ; TRANSPORT DIRECTION UNKNOWN , KNOWN
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BKF BATTLESHIR KNOLL FAULT
ACF ARGILLITE CREEK FAULT
CCT COULTER CREEK THRUST
LK LULU FAULT
CLAIM BOUNDARY
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6.1 DIORITE DYKE
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ASHMAN FORMATION (5)
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Ag AGGLOMERATE
G GRADED BEDS
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MINERALOGY
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MODIFIED AFTER OLIVER, 1992
GEOLOGICAL BRANCH ASSESSMENT REPORT
22,338
PART 3 OF 3
SILVER BUTTE RESOURCES LTD.
COPELAND REBAGLIATI & ASSOCIATES LTD.
SIB PROPERTY
SKEENA M.D., B.C.
GEOLOGY
SIB CLAIMS
1 : 2000
JAN. 1992
J.E.
CENTER SHEET
PLAN2.DWG

SYMBOLS

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TEXTURE

A	ASH
L	LAPILLI
F	FIAME
Bx	BRECCIA
Ag	AGGLOMERATE
G	GRADED BEDS
BxC	CRACKLE BRECCIAS, STOCKWORK VEINLETS
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MINERALOGY

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Pyx	PYROXENE		
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scale 0 50 100 150 metres

6

LEGEND

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TEXTURE

- A ASH
- L LAPILLI
- F FIAME
- Bx BRECCIA
- Ag AGGLOMERATE
- G GRADED BEDS
- BxC CRACKLE BRECCIAS, STOCKWORK VEINLETS
- # PORPHYRITIC

MINERALOGY

- Zn SPHALERITE
- Ba BARITE
- Tt TETRAHEDRITE
- P PLAGIOCLASE
- Pyx PYROXENE
- Py PYRITE

ALTERATION

- a SERICITE
- b K–FELDSPAR–SERICITE–PYRITE
- c SILICA
- d K–FELDSPAR
- e BLACK OXIDES
- h HEMATITE
- Qv QUARTZ VEINING
- f IRON CARBONATE

SYMBOLS

- BEDDING ; OVERTURNED , UPRIGHT
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- BRECCIA
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- HcF MACKAY FAULT
- BKF BATTLE SHIP KNOLL FAULT
- ACF ARGILLITE CREEK FAULT
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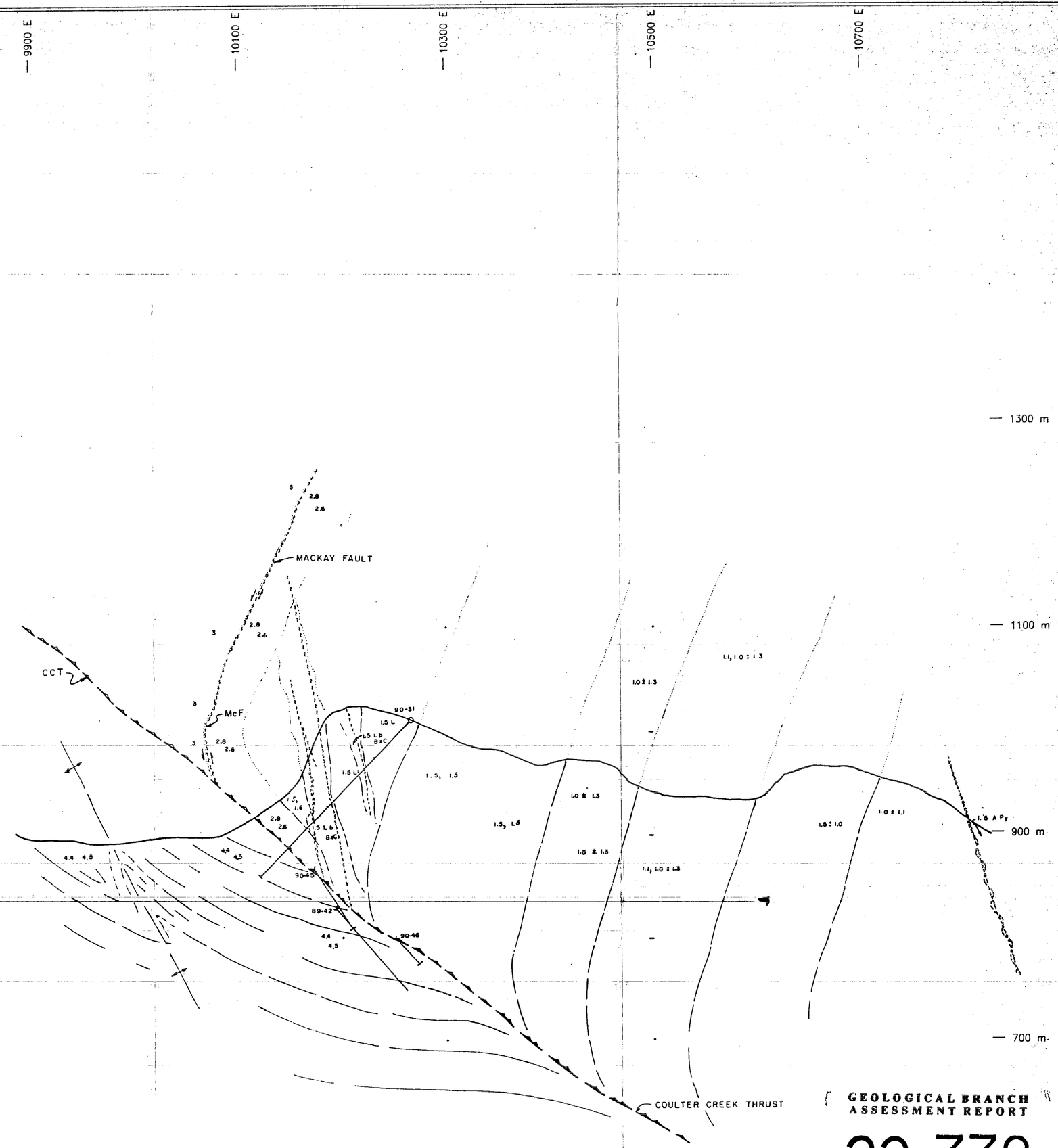
- LF LULU FAULT



SCALE
0 100 200
1 : 2000

GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,338

PART 3 OF 3

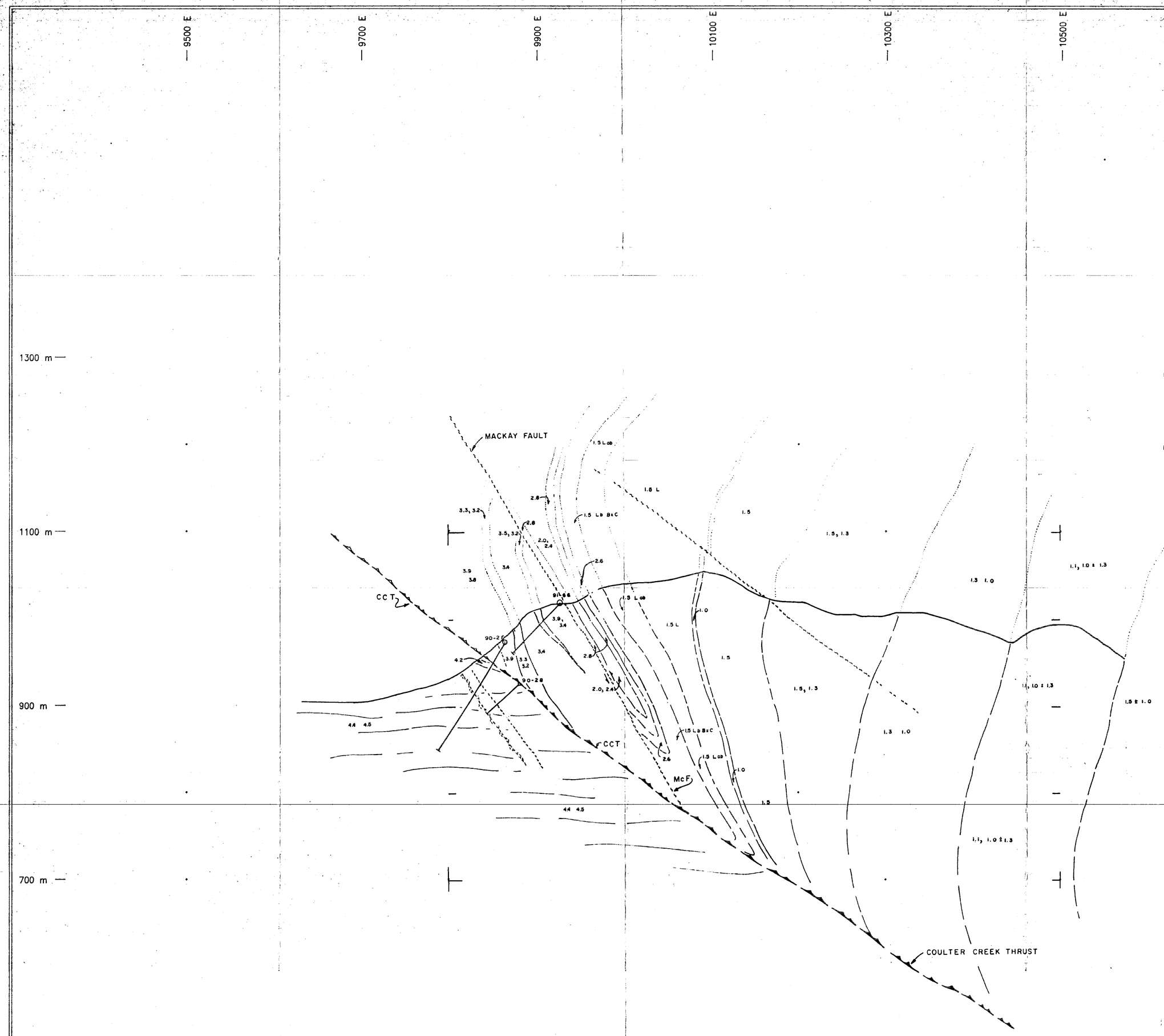
SILVER BUTTE RESOURCES LTD.
AMERICAN FIBRE CORPORATION
COPELAND REBAGLIATI & ASSOCIATES LTD.
SIB PROPERTY
SKEENA M.D., B.C.

GEOLOGICAL SECTION
7940 NORTH

SCALE : 1 : 2000	DRAWN BY : ProComp GeoDraft Ltd.	FILE : 7940N.DWG	
DATE : JAN. 1992	REVISED : SOUTH SHEET	FIGURE : 12-10	

7

PETER OLIVER, 1992



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- 3.3 BLACK CHERT – CHERT BRECCIA
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- 3.1 RHYODACITIC FLOW
- 3.0 RHYODACITIC FRAGMENTAL

MACKAY MUDSTONES AND VOLCANIC WACKES (2)

- 2.8 BLACK TUFFACEOUS MUDSTONE
- 2.7 BLACK SULPHIDIC MUDSTONE
- 2.6 QUARTZ AND LITHIC WACKE
- 2.5 LIMESTONE
- 2.4 HEMATITIC POLYMICTIC VOLCANIC WACKE
- 2.3 SUB–AERIAL INTERMEDIATE FRAGMENTAL
- 2.2 SUB–AERIAL INTERMEDIATE FLOW
- 2.1 SUB–AERIAL HEMATITIC DEBRIS FLOW
- 2.0 CHLORITIC VOLCANIC WACKE

BETTY CREEK FORMATION PYROCLASTICS (1)

- 1.8 BLACK CRYSTAL TUFF
- 1.7 INTERMEDIATE FRAGMENTAL AND CLASTIC BRECCIA
- 1.6 INTERMEDIATE FLOW
- 1.5 INTERMEDIATE FRAGMENTAL
- 1.4 INTERVOLCANIC ARGILLITE
- 1.3 MAFIC FRAGMENTAL
- 1.2 MAFIC FLOW
- 1.1 POLYLITHIC VOLCANIC WACKE
- 1.0 PHYLLITIC VOLCANICLASTIC

TEXTURE

- A ASH
- L LAPILLI
- F FIAME
- Bx BRECCIA
- Ag AGGLOMERATE
- G GRADED BEDS
- BxC CRACKLE BRECCIAS, STOCKWORK VEINLETS
- Ø PORPHYRITIC

MINERALOGY

- Zn SPHALERITE
- Ba BARITE
- Tt TETRAHEDRITE
- P PLAGIOCLASE
- Pyx PYROXENE
- Py PYRITE

ALTERATION

- a SERICITE
- b K–FELDSPAR–SERICITE–PYRITE
- c SILICA
- d K–FELDSPAR
- e BLACK OXIDES
- h HEMATITE
- Qv QUARTZ VEINING
- f IRON CARBONATE

SYMBOLS

- BEDDING ; OVERTURNED , UPRIGHT
- FOLIATION SURFACE
- ANTICLINE , SYNCLINE
- NORMAL FAULTS ; BALL ON DOWN THROWN SIDE
- THRUST FAULT , TEETH ON HANGING WALL PLATE
- GEOLOGICAL CONTACT ; DEFINED , PRESUMED , EXTRAPOLATED
- BRECCIA
- 91-89 DIAMOND DRILLHOLE

- McF MACKAY FAULT
- BKF BATTLE SHIP KNOLL FAULT
- ACF ARGILLITE CREEK FAULT
- CCT COULTER CREEK THRUST
- LF LULU FAULT

SCALE

0 100 200

1 : 2000

PART 3 OF 3

GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,338

SILVER BUTTE RESOURCES LTD.
AMERICAN FIBRE CORPORATION

COPELAND REBAGLIATI & ASSOCIATES LTD.

SIB PROPERTY

SKEENA M.D., B.C.

GEOLOGICAL SECTION 8630 NORTH

(8)

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DATE : JAN. 1992	REVISED : SOUTH SHEET	FIGURE : 10-17	

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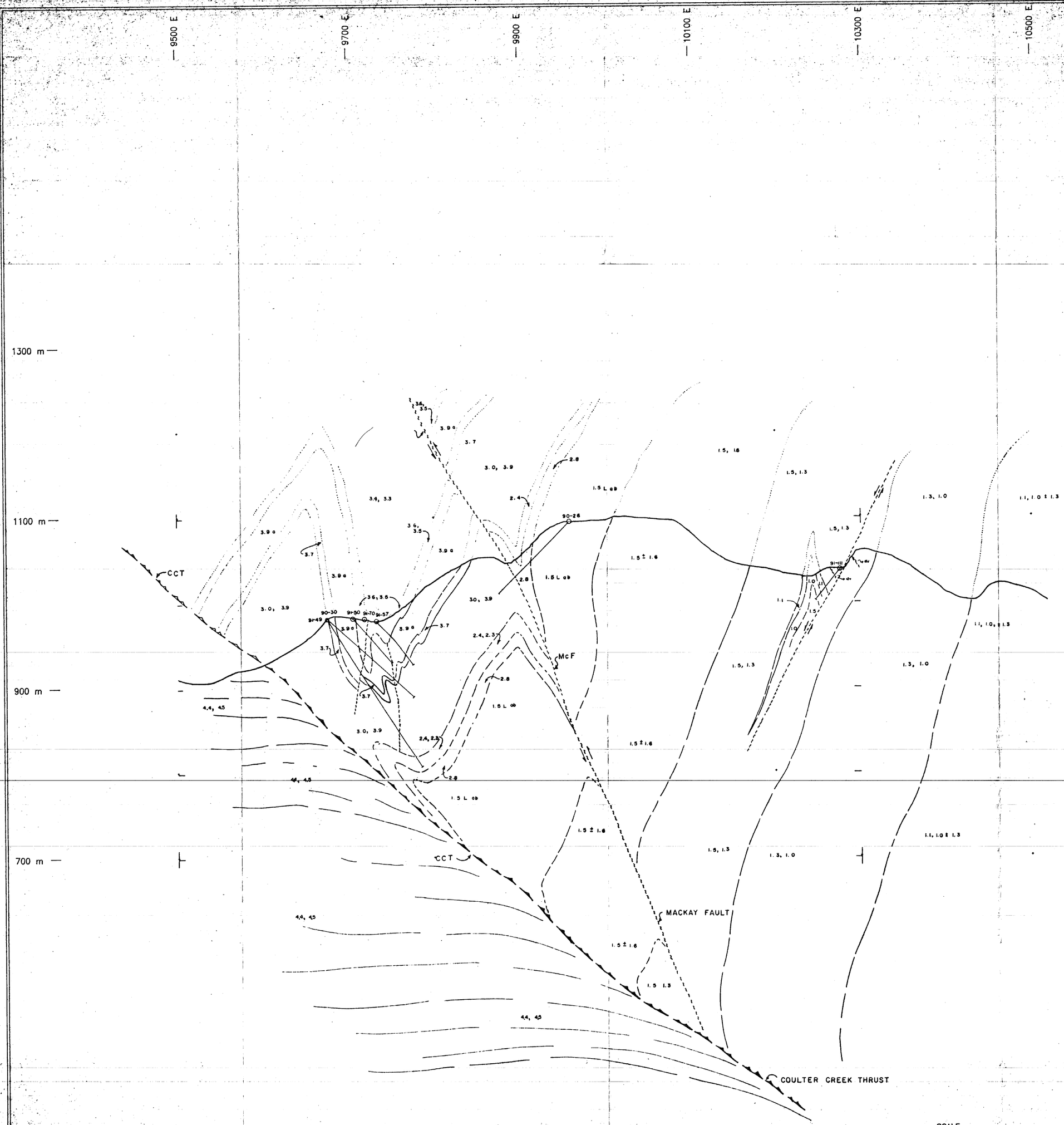

AFTER OLIVER, 1992

LEGEND

INTRUSIVE ROCKS (6)

- 6.1 DIORITE DYKE
- 6.0 FELDSPAR PORPHYRITIC FELSIC DYKE

ASHMAN FORMATION (5)

- 5.3 POLYLITHIC QUARTZ PEBBLE CONGLOMERATE
- 5.2 QUARTZ WACKE
- 5.1 ARGILLITE

SALMON RIVER FORMATION (4)

- 4.8 TUFFACEOUS WACKE
- 4.7 CHLORITIC SILTITE
- 4.6 POLYLITHIC QUARTZ PEBBLE CONGLOMERATE
- 4.5 QUARTZ WACKE – LITHIC WACKE
- 4.4 ARGILLITE
- 4.3 SULPHIDIC TURBIDITE – PYRITIC SILTITE
- 4.2 BLACK CHERT
- 4.1 CONTACT FACIES – ARGILLITE – RHYOLITE BRECCIA

MOUNT DILWORTH FORMATION – FELSIC UNIT (3)

- 3.9 TUFFACEOUS RHYOLITE
- 3.8 RHYOLITE FLOW (AUTOBRECCIATED)
- 3.7 CHERTY RHYOLITIC FLOW
- 3.6 TURBIDITIC MUDSTONE
- 3.5 SULPHIDIC MUDSTONE AND CHERT
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- 3.3 BLACK CHERT – CHERT BRECCIA
- 3.2 GREEN–BLACK RHYOLITIC FLOW
- 3.1 RHYODACITIC FLOW
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BETTY CREEK FORMATION PYROCLASTICS (1)

- 1.8 BLACK CRYSTAL TUFF
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- 1.1 POLYLITHIC VOLCANIC WACKE
- 1.0 PHYLLITIC VOLCANICLASTIC

TEXTURE

- A ASH
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- Pyx PYROXENE
- Py PYRITE

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- d K–FELDSPAR
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- h HEMATITE
- Qv QUARTZ VEINING
- f IRON CARBONATE

SYMBOLS

- BEDDING ; OVERTURNED , UPRIGHT
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- GEOLOGICAL CONTACT ; DEFINED , PRESUMED , EXTRAPOLATED
- BRECCIA
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- BKF BATTLE SHIP KNOLL FAULT
- ACF ARGILLITE CREEK FAULT
- CCT COULTER CREEK THRUST
- LF LULU FAULT

GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,338

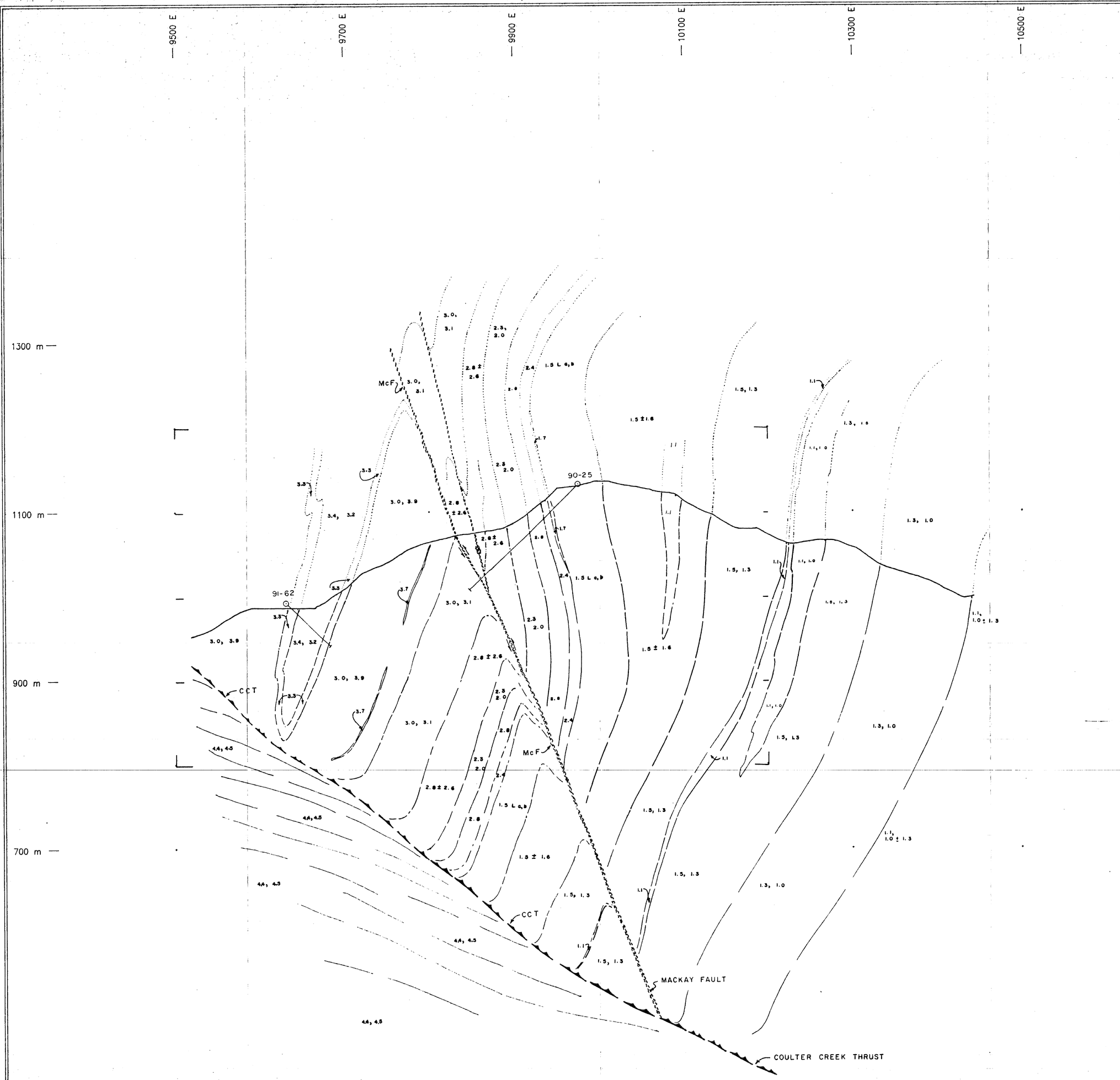
PART 3 OF 3

SILVER BUTTE RESOURCES LTD.
AMERICAN FIBRE CORPORATION
COPELAND REBAGLIATI & ASSOCIATES LTD.
SIB PROPERTY
SKEENA M.D., B.C.

GEOLOGICAL SECTION 8840 NORTH

9

SCALE : 1 : 2000	DRAWN BY : ProComp GeoDraft Ltd.	FILE : SB40N.DWG	
DATE : JAN. 1992	REVISED : SOUTH SHEET	FIGURE : 3-10	



LEGEND

INTRUSIVE ROCKS (6)

- 6.1 DIORITE DYKE
- 6.0 FELDSPAR PORPHYRITIC FELSIC DYKE

ASHMAN FORMATION (5)

- 5.3 POLYLITHIC QUARTZ PEBBLE CONGLOMERATE
- 5.2 QUARTZ WACKE
- 5.1 ARGILLITE

SALMON RIVER FORMATION (4)

- 4.8 TUFFACEOUS WACKE
- 4.7 CHLORITIC SILTITE
- 4.6 POLYLITHIC QUARTZ PEBBLE CONGLOMERATE
- 4.5 QUARTZ WACKE – LITHIC WACKE
- 4.4 ARGILLITE
- 4.3 SULPHIDIC TURBIDITE – PYRITIC SILTITE
- 4.2 BLACK CHERT
- 4.1 CONTACT FACIES – ARGILLITE – RHYOLITE BRECCIA

MOUNT DILWORTH FORMATION – FELSIC UNIT (3)

- 3.9 TUFFACEOUS RHYOLITE
- 3.8 RHYOLITE FLOW (AUTOBRECCIATED)
- 3.7 CHERTY RHYOLITIC FLOW
- 3.6 TURBIDITIC MUDSTONE
- 3.5 SULPHIDIC MUDSTONE AND CHERT
- 3.4 GREEN-BLACK RHYOLITIC FRAGMENTAL AND CHERT BRECCIA
- 3.3 BLACK CHERT – CHERT BRECCIA
- 3.2 GREEN-BLACK RHYOLITIC FLOW
- 3.1 RHYODACITIC FLOW
- 3.0 RHYODACITIC FRAGMENTAL

MACKAY MUDSTONES AND VOLCANIC WACKES (2)

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BETTY CREEK FORMATION PYROCLASTICS (1)

- 1.8 BLACK CRYSTAL TUFF
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- 1.6 INTERMEDIATE FLOW
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- 1.3 MAFIC FRAGMENTAL
- 1.2 MAFIC FLOW
- 1.1 POLYLITHIC VOLCANIC WACKE
- 1.0 PHYLLITIC VOLCANICLASTIC

TEXTURE

A	ASH
L	LAPILLI
F	FIAMÉ
Bx	BRECCIA
Ag	AGGLOMERATE
G	GRADED BEDS
BxC	CRACKLE BRECCIAS, STOCKWORK VEINLETS
Ø	PORPHYRITIC

MINERALOGY

Zn	SPHALERITE
Ba	BARITE
Tt	TETRAHEDRITE
P	PLAGIOCLASE
Pyx	PYROXENE
Py	PYRITE

ALTERATION

a	SERICITE
b	K-FELDSPAR-SERICITE-PYRITE
c	SILICA
d	K-FELDSPAR
e	BLACK OXIDES
h	HEMATITE
Qv	QUARTZ VEINING
f	IRON CARBONATE

SYMBOLS

- BEDDING ; OVERTURNED , UPRIGHT
- FOLIATION SURFACE
- ANTICLINE , SYNCLINE
- NORMAL FAULTS ; BALL ON DOWN THROWN SIDE
- THRUST FAULT , TEETH ON HANGING WALL PLATE
- GEOLOGICAL CONTACT ; DEFINED , PRESUMED , EXTRAPOLATED
- BRECCIA
- 91-69 DIAMOND DRILLHOLE

McF	MACKAY FAULT
BKF	BATTLE SHIP KNOLL FAULT
ACF	ARGILLITE CREEK FAULT
CCT	COULTER CREEK THRUST
LF	LULU FAULT

GEOLOGICAL BRANCH ASSESSMENT REPORT

22,338

PART 3 OF 3

SILVER BUTTE RESOURCES LTD.
AMERICAN FIBRE CORPORATION

COPELAND REBAGLIATI & ASSOCIATES LTD.

SIB PROPERTY

SKEENA M.D., B.C.

GEOLOGICAL SECTION 9200 NORTH

SCALE : 1 : 2000	DRAWN BY : ProComp GeoDraft Ltd.	FILE : 9200N.DWG	
DATE : JAN. 1992	REVISED : CENTER SHEET	FIGURE : 10	

(10)

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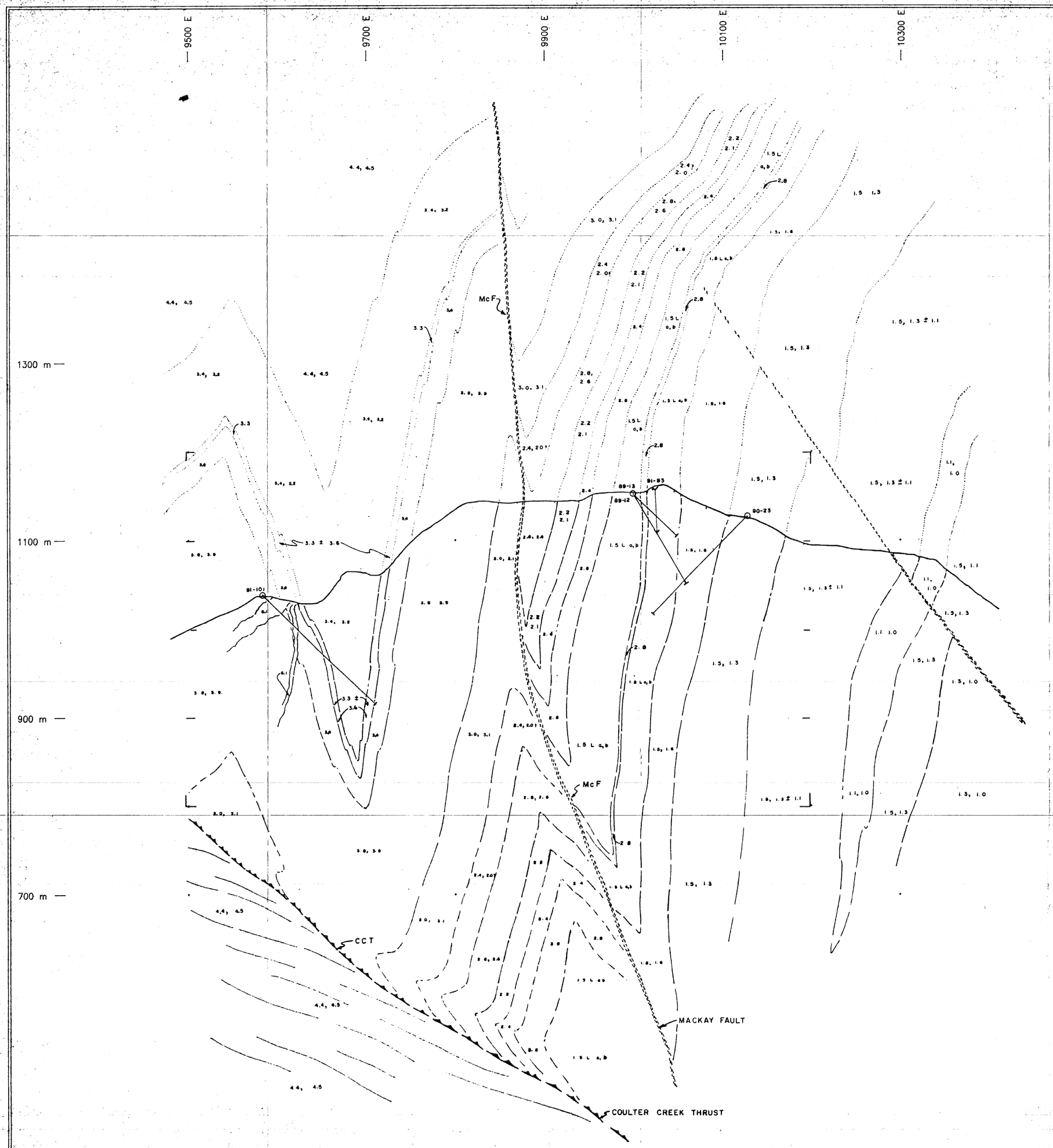

LEGEND

INTRUSIVE ROCKS (6)

- 6.1 DIORITE DYKE
- 6.0 FELDSPAR PORPHYRITIC FELSIC DYKE

ASHMAN FORMATION (5)

- 5.3 POLYLITHIC QUARTZ PEBBLE CONGLOMERATE
- 5.2 QUARTZ WACKE
- 5.1 ARGILLITE

SALMON RIVER FORMATION (4)

- 4.8 TUFFACEOUS WACKE
- 4.7 CHLORITIC SILTITE
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- 4.5 QUARTZ WACKE – LITHIC WACKE
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- 4.2 BLACK CHERT
- 4.1 CONTACT FACIES – ARGILLITE – RHYOLITE BRECCIA

MOUNT DILWORTH FORMATION – FELSIC UNIT (3)

- 3.9 TUFFACEOUS RHYOLITE
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MACKAY MUDSTONES AND VOLCANIC WACKES (2)

- 2.8 BLACK TUFFACEOUS MUDSTONE
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BETTY CREEK FORMATION PYROCLASTICS (1)

- 1.8 BLACK CRYSTAL TUFF
- 1.7 INTERMEDIATE FRAGMENTAL AND CLASTIC BRECCIA
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- 1.4 INTERVOLCANIC ARGILLITE
- 1.3 MAFIC FRAGMENTAL
- 1.2 MAFIC FLOW
- 1.1 POLYLITHIC VOLCANIC WACKE
- 1.0 PHYLLITIC VOLCANICLASTIC

TEXTURE

- A ASH
- L LAPILLI
- F FIAME
- Bx BRECCIA
- Ag AGGLOMERATE
- G GRADED BEDS
- BxC CRACKLE BRECCIAS, STOCKWORK VEINLETS
- Ø PORPHYRITIC

MINERALOGY

- Zn SPHALERITE
- Ba BARITE
- Tt TETRAHEDRITE
- P PLAGIOCLASE
- Pyx PYROXENE
- Py PYRITE

ALTERATION

- a SERICITE
- b K–FELDSPAR–SERICITE–PYRITE
- c SILICA
- d K–FELDSPAR
- e BLACK OXIDES
- h HEMATITE
- Qv QUARTZ VEINING
- f IRON CARBONATE

SYMBOLS

- BEDDING ; OVERTURNED , UPRIGHT
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- CCT COULTER CREEK THRUST
- LF LULU FAULT

SCALE
0 100 200
1 : 2000

GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,338

PART 3 OF 3

SILVER BUTTE RESOURCES LTD.
AMERICAN FIBRE CORPORATION
COPELAND REBAGLIATI & ASSOCIATES LTD.
SIB PROPERTY
SKEENA M.D., B.C.

GEOLOGICAL SECTION
9620 NORTH

SCALE : 1 : 2000	DRAWN BY : ProComp GeoDraft Ltd.	FILE : 9620N.DWG	
DATE : JAN. 1992	REVISED : CENTER SHEET	FIGURE : 25-80	

PETER OLIVER, 1992.

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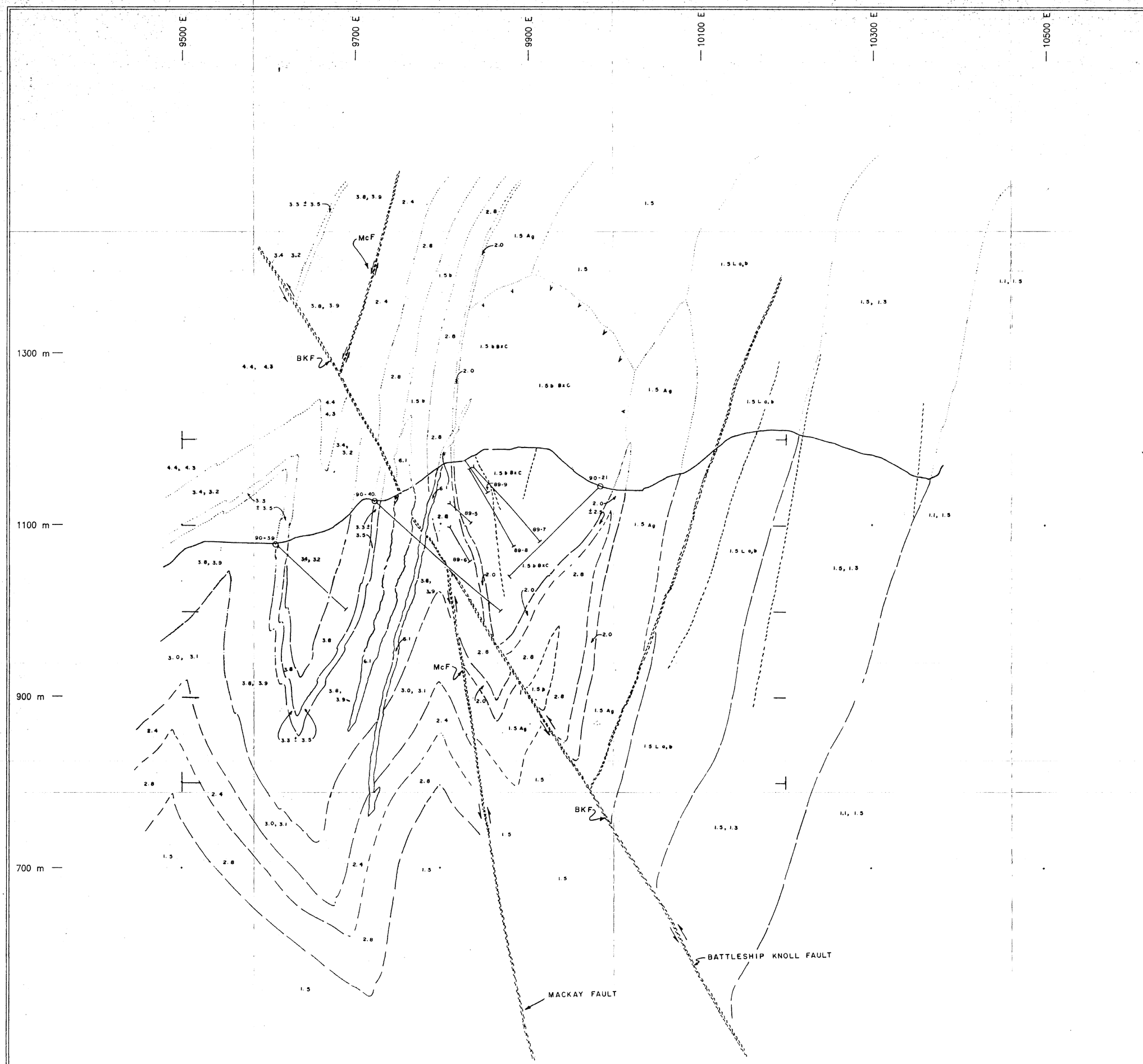

AFTER OLIVER, 1992

LEGEND

INTRUSIVE ROCKS (6)

- 6.1 DIORITE DYKE
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- 4.8 TUFFACEOUS WACKE
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TEXTURE

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SCALE 0 100 200
1 : 2000

GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,338

PART 3 OF 3

SILVER BUTTE RESOURCES LTD.
AMERICAN FIBRE CORPORATION

COPELAND REBAGLIATI & ASSOCIATES LTD.

SIB PROPERTY

SKEENA M.D., B.C.

GEOLOGICAL SECTION 10580 NORTH

SCALE : 1 : 2000	DRAWN BY : ProComp GeoDraft Ltd.	FILE : 11190N.DWG	
DATE : JAN. 1992	REVISED : CENTER SHEET	FIGURE : 12-27	

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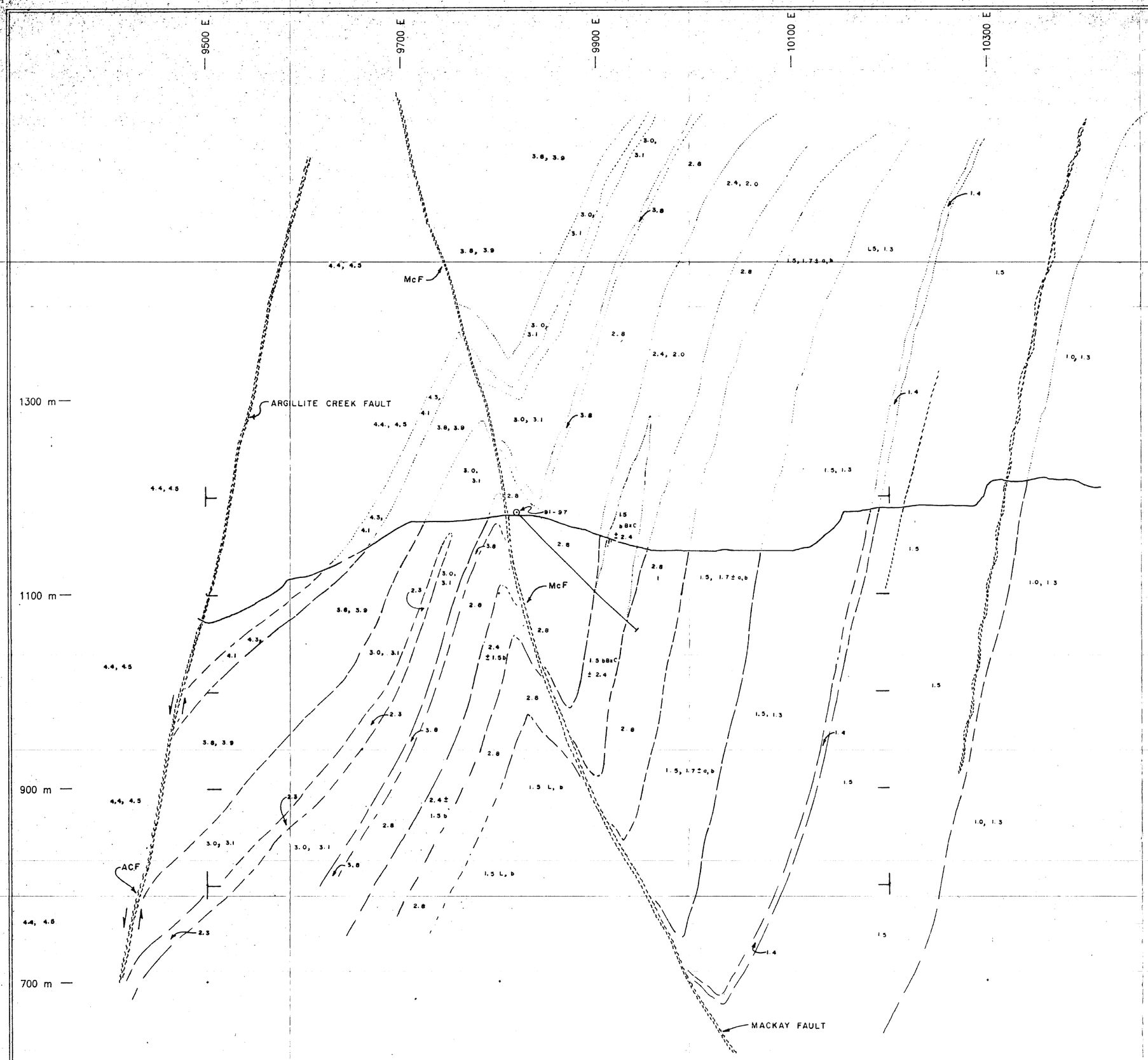

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BxC	CRACKLE BRECCIAS, STOCKWORK VEINLETS
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Ba	BARITE
Tt	TETRAHEDRITE
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Pyx	PYROXENE
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- FOLIATION SURFACE
- ANTICLINE , SYNCLINE
- NORMAL FAULTS ; BALL ON DOWN THROWN SIDE
- THRUST FAULT , TEETH ON HANGING WALL PLATE
- GEOLOGICAL CONTACT ; DEFINED , PRESUMED , EXTRAPOLATED
- BRECCIA
- 91-89 DIAMOND DRILLHOLE

McF	MACKAY FAULT
BKF	BATTLE SHIP KNOLL FAULT
ACF	ARGILLITE CREEK FAULT
CCT	COULTER CREEK THRUST
LF	LULU FAULT

SCALE

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AFTER OLIVER, 1992

GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,338

PART 3 OF 3

SILVER BUTTE RESOURCES LTD.
AMERICAN FIBRE CORPORATION

COPELAND REBAGLIATI & ASSOCIATES LTD.

SIB PROPERTY

SKEENA M.D., B.C.

GEOLOGICAL SECTION 11190 NORTH

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DATE : JAN. 1992	REVISED : NORTH SHEET	FIGURE : 10-22	

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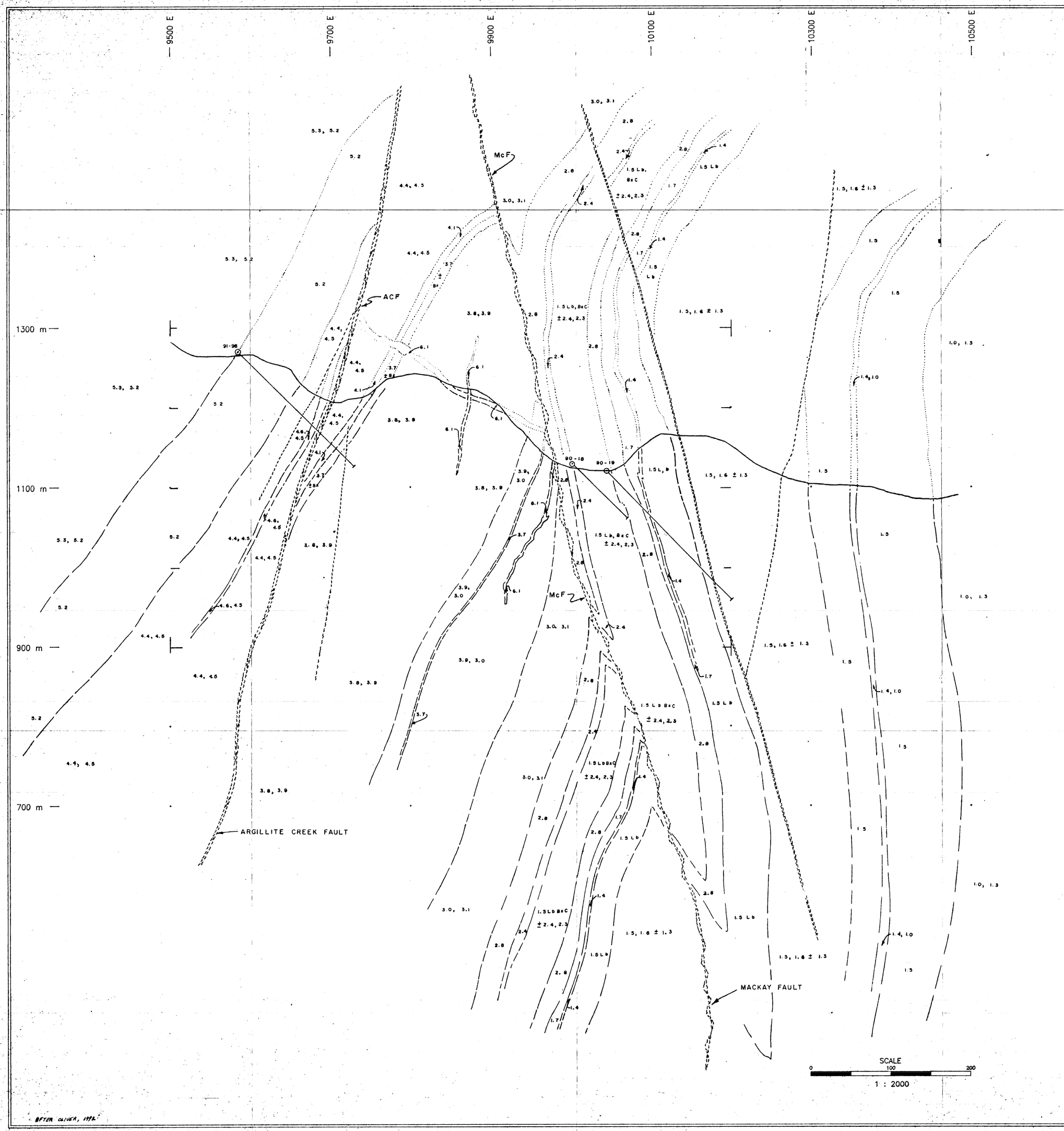

LEGEND

INTRUSIVE ROCKS (6)

- 6.1 DIORITE DYKE
- 6.0 FELDSPAR PORPHYRITIC FELSIC DYKE

ASHMAN FORMATION (5)

- 5.3 POLYLITHIC QUARTZ PEBBLE CONGLOMERATE
- 5.2 QUARTZ WACKE
- 5.1 ARGILLITE

SALMON RIVER FORMATION (4)

- 4.8 TUFFACEOUS WACKE
- 4.7 CHLORITIC SILTITE
- 4.6 POLYLITHIC QUARTZ PEBBLE CONGLOMERATE
- 4.5 QUARTZ WACKE – LITHIC WACKE
- 4.4 ARGILLITE
- 4.3 SULPHIDIC TURBIDITE – PYRITIC SILTITE
- 4.2 BLACK CHERT
- 4.1 CONTACT FACIES – ARGILLITE – RHYOLITE BRECCIA

MOUNT DILWORTH FORMATION – FELSIC UNIT (3)

- 3.9 TUFFACEOUS RHYOLITE
- 3.8 RHYOLITE FLOW (AUTOBRECCIATED)
- 3.7 CHERTY RHYOLITIC FLOW
- 3.6 TURBIDITIC MUDSTONE
- 3.5 SULPHIDIC MUDSTONE AND CHERT
- 3.4 GREEN–BLACK RHYOLITIC FRAGMENTAL AND CHERT BRECCIA
- 3.3 BLACK CHERT – CHERT BRECCIA
- 3.2 GREEN–BLACK RHYOLITIC FLOW
- 3.1 RHYODACITIC FLOW
- 3.0 RHYODACITIC FRAGMENTAL

MACKAY MUDSTONES AND VOLCANIC WACKES (2)

- 2.8 BLACK TUFFACEOUS MUDSTONE
- 2.7 BLACK SULPHIDIC MUDSTONE
- 2.6 QUARTZ AND LITHIC WACKE
- 2.5 LIMESTONE
- 2.4 HEMATITIC POLYMICTIC VOLCANIC WACKE
- 2.3 SUB–AERIAL INTERMEDIATE FRAGMENTAL
- 2.2 SUB–AERIAL INTERMEDIATE FLOW
- 2.1 SUB–AERIAL HEMATITIC DEBRIS FLOW
- 2.0 CHLORITIC VOLCANIC WACKE

BETTY CREEK FORMATION PYROCLASTICS (1)

- 1.8 BLACK CRYSTAL TUFF
- 1.7 INTERMEDIATE FRAGMENTAL AND CLASTIC BRECCIA
- 1.6 INTERMEDIATE FLOW
- 1.5 INTERMEDIATE FRAGMENTAL
- 1.4 INTERVOLCANIC ARGILLITE
- 1.3 MAFIC FRAGMENTAL
- 1.2 MAFIC FLOW
- 1.1 POLYLITHIC VOLCANIC WACKE
- 1.0 PHYLLITIC VOLCANICLASTIC

TEXTURE

- A ASH
- L LAPILLI
- F FIAME
- Bx BRECCIA
- Ag AGGLOMERATE
- G GRADED BEDS
- BxC CRACKLE BRECCIAS, STOCKWORK VEINLETS
- Ø PORPHYRITIC

MINERALOGY

- Zn SPHALERITE
- Ba BARITE
- Tt TETRAHEDRITE
- P PLAGIOCLASE
- Pyx PYROXENE
- Py PYRITE

ALTERATION

- a SERICITE
- b K–FELDSPAR–SERICITE–PYRITE
- c SILICA
- d K–FELDSPAR
- e BLACK OXIDES
- h HEMATITE
- Qv QUARTZ VEINING
- f IRON CARBONATE

SYMBOLS

- BEDDING ; OVERTURNED , UPRIGHT
- FOLIATION SURFACE
- ANTICLINE , SYNCLINE
- NORMAL FAULTS ; BALL ON DOWN THROWN SIDE
- THRUST FAULT , TEETH ON HANGING WALL PLATE
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GEOLOGICAL SECTION 11880 NORTH

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(14)

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