

## 1991 "SNAPSHOT" REVIEW FORM

Property/Project

Name : SIB  
 NTS : 104B/9, 10  
 Claims : 16 units

Authors

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Acreage: 840 acres

Commodities: Gold-Silver-Base Metals

Agreements

The property is owned equally by the SIB joint venture partners American Fibre Corporation and Silver Butte Resources Ltd.

History

	Past Exploration Techniques	By Whom	Amount	Type	Cost
1930's	Trenching	Premier	20 pits	hand	-
1989/90	Geophysical/ Geochemical/ Geological	SIB J/V	42 line km	IP, EM, MAG, soil 1:5,000 scale	\$1.7 million
	DRILLING	SIB J/V	41 holes 5010 m	Diamond	
	Past Development (if any)	By Whom	Amount	Type	Cost
	NONE				
	Past Production (if any)	By Whom	Tonnage(s)	Method	Grade
	NONE				

Reasons for shut-down

Geology

**Regional** Jurassic Hazelton Group volcanic and sedimentary units form broad folds of regional extent.

**Local** The Betty Creek, Mount Dilworth and Salmon River Formations are continuous along the length of both the SIB and the adjoining Eskay Creek properties. Exhalites are interbedded with the felsic units of the Mount Dilworth Formation.

Alteration/

**Ore Forming Minerals** Pervasive potassium metasomatism occurs within andesitic units underlying intensely sodium metasomatized felsic units. Mineralization is best developed within the exhalites. Gold, ruby silver, stibnite, pyrite and sphalerite.

Current Exploration Results

1989-1990

i ) **Geology** Numerous precious-base metals stockwork zones are hosted by potassic altered andesite and mudstone units. The most extensive stockwork mineralization occurs in the footwall of the felsic fragmented units in the vicinity of the mineralized exhalites.

ii ) **Geochemistry** Mineralized zones are indicated by restricted discontinuous linear trends of multi-element soil anomalies.

iii) **Geophysics** IP and EM surveys effectively trace exhalites and other pyritic and graphite units.

iv ) **Sampling** Altered and/or sulphide-bearing outcrops were chip sampled and geochemically analysed for gold and 30 elements ICP.

All core was routinely split and sampled.

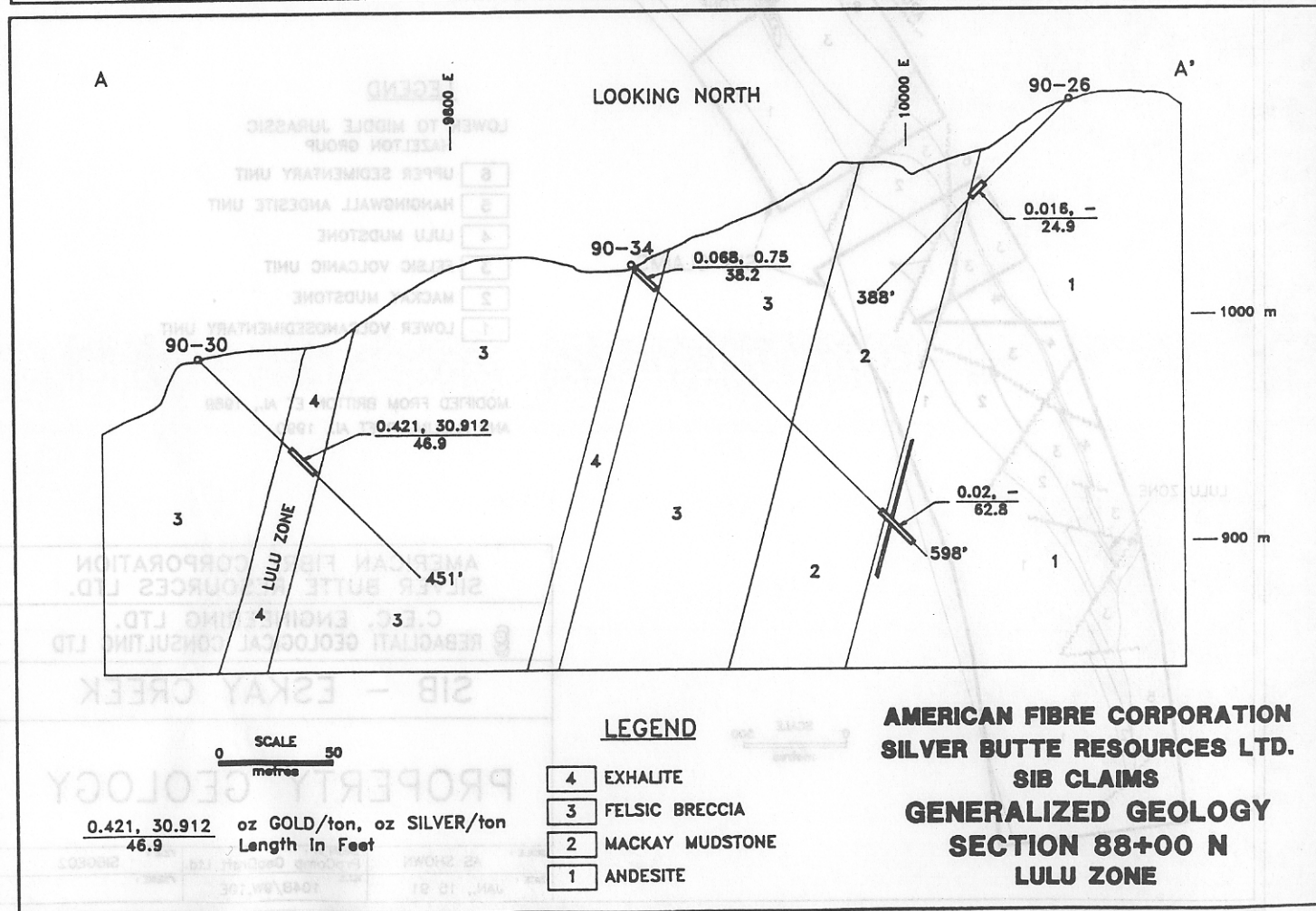
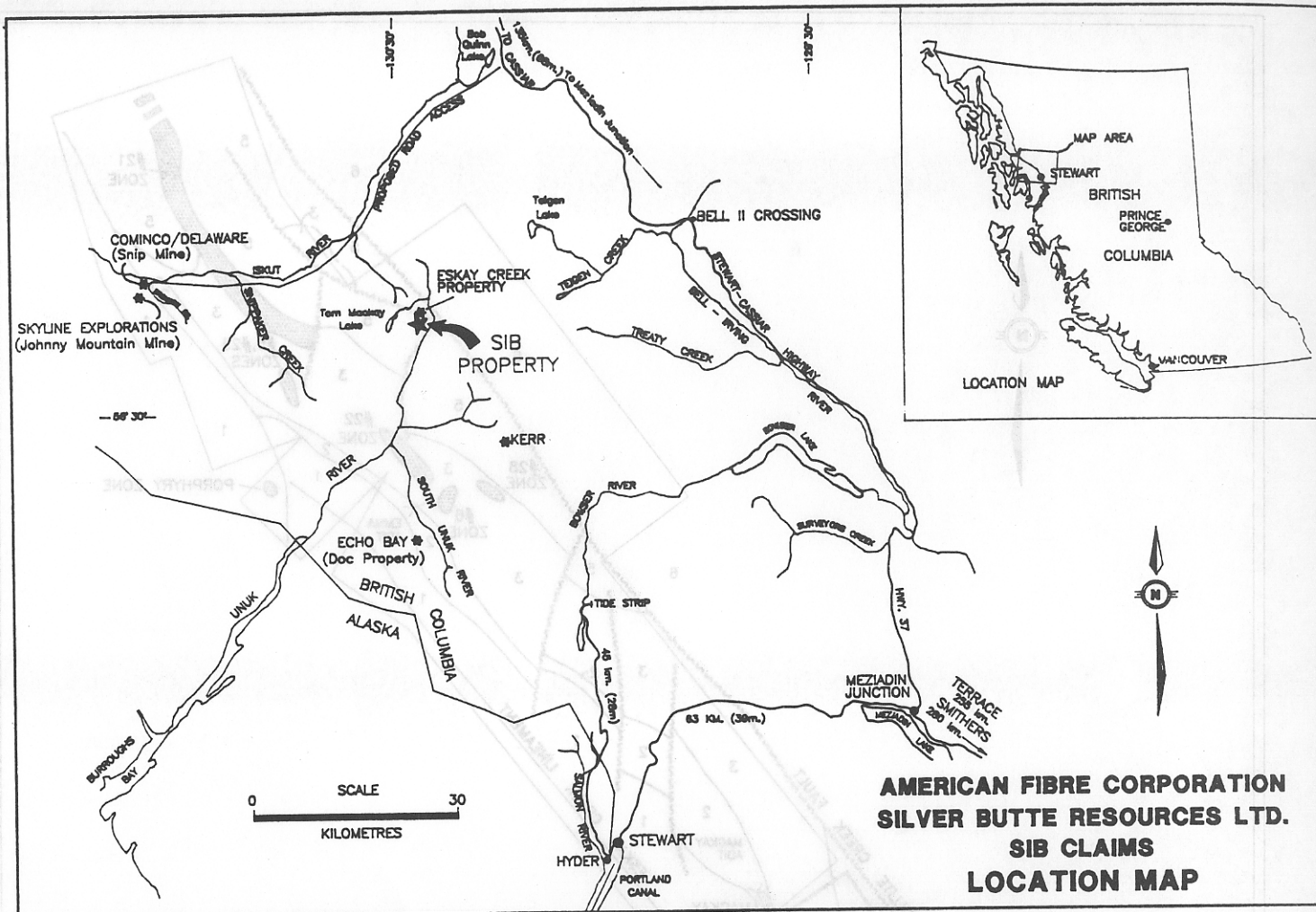
Reserves:	Geological, possible, probable and/or proven	Hole Length(ft)	Opt Gold	Opt Silver
	Number of zones			
	Number of sample points			
	Average grade	90-30	46.9	0.421
	Average thickness	90-34	38.2	0.068
	Cut-off grade			30.91
				0.75

Costs: Recent exploration costs, Drilling all inclusive \$75/ft.  
i.e. (relating to above)

Projected exploration costs of  
program to development (if any)

Projected development costs  
given positive economics

Projected operating costs  
given positive economics





ARGILLITE CREEK FAULT

ESKAY CREEK LINEAMENT

SIB CLAIMS

LULU ZONE

MACKAY ZONE

MACKAY ADIT

EMMA ADIT

PORPHYRY ZONE

- LEGEND**
- LOWER TO MIDDLE JURASSIC  
HAZELTON GROUP
- 6 UPPER SEDIMENTARY UNIT
  - 5 HANGINGWALL ANDESITE UNIT
  - 4 LULU MUDSTONE
  - 3 FELSIC VOLCANIC UNIT
  - 2 MACKAY MUDSTONE
  - 1 LOWER VOLCANOSEDIMENTARY UNIT

MODIFIED FROM BRITTON ET AL., 1989  
AND HASLINGER ET AL., 1990

0 SCALE 500  
metres

AMERICAN FIBRE CORPORATION  
SILVER BUTTE RESOURCES LTD.

C.E.C. ENGINEERING LTD.  
REBAGLIATI GEOLOGICAL CONSULTING LTD

SIB - ESKAY CREEK

PROPERTY GEOLOGY

SCALE	AS SHOWN	DRAWN BY	ProComp GeoDraft Ltd.	FILE	SIBGE02
DATE	JAN., 15 91	REV.	104B/9W,10E	FIGURE	