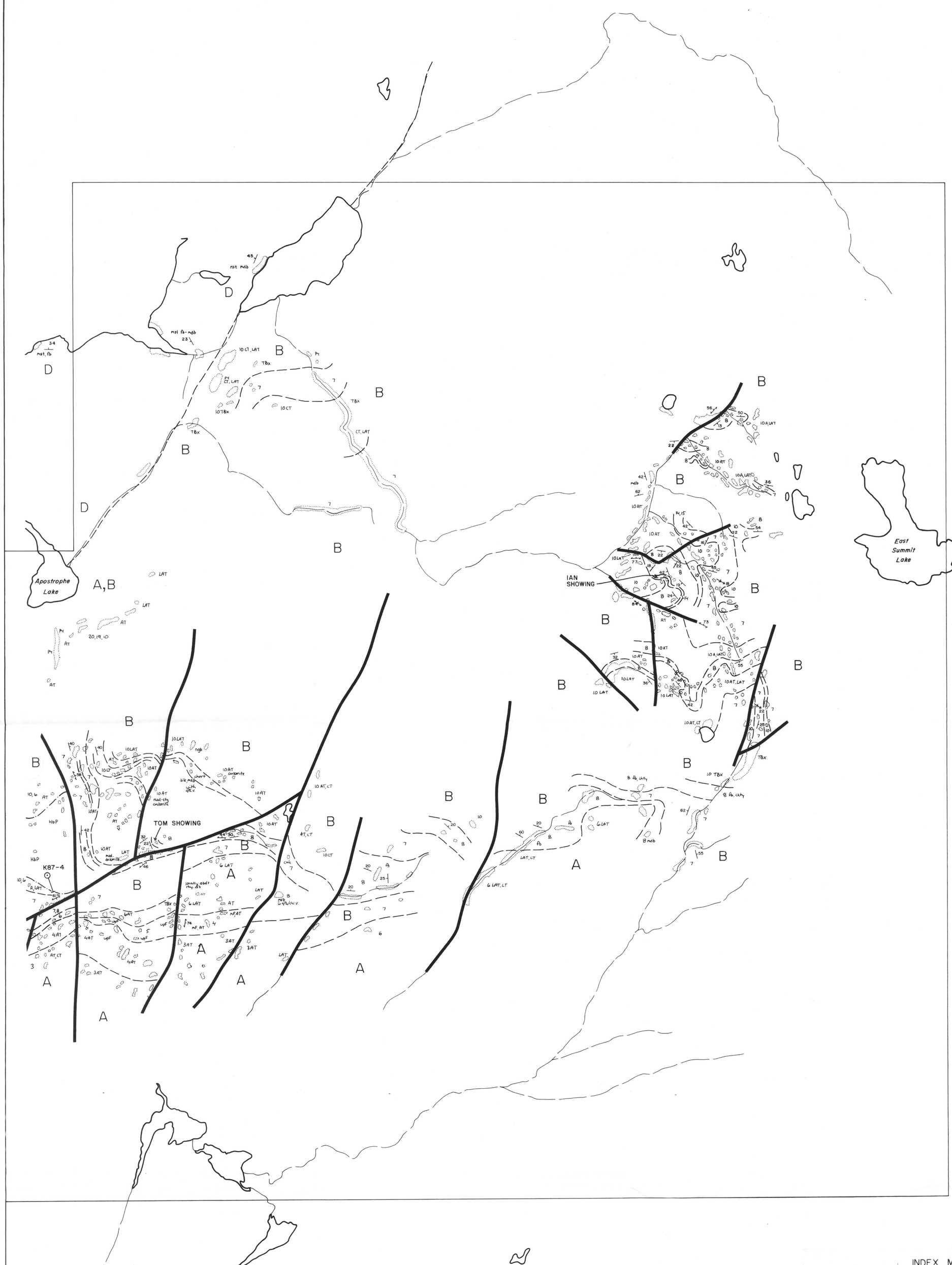


LEGEND

KITSAULT STRATIGRPHIC COLUMN

Middle-Upper Jurassic
BOWSER GROUP

D Mudstone, arenaceous wacke, debris breccia

Pre-Middle Jurassic
"HAZELTON GROUP"

C Hanging wall volcanics

- 22 Basaltic lapilli-ash, ash, lapilli tuff with minor tuff breccia and amygdaloidal flow
- 21 Carbonate diamictite
- 20 Andesitic ash, lapilli-ash tuff, accretionary tuff with interlaminated chert, sulphidic tuff, limestone and epiclastic components
- 19 Andesitic ash, accretionary lapilli tuff with interlaminated chert, sulphidic tuff, limestone and epiclastic components
- 18 Andesitic lapilli tuff marker

B Carbonate (sub-basin) package

- 17 Mudstone
- 16 Lithic breccia
- 15 Carbonate laminate/limestone
- 14 Carbonate/sulphate laminate
- 13 Carbonate/sulphide/sulphate laminate
- 12 Sulphidic tuff
- 11 Tuff Cycles
- 10 Andesitic to dacitic ash, lapilli-ash tuff
- 9 Mudstone
- 8 Limestone
- 10 Andesitic to dacitic ash, lapilli-ash tuff
- 7 Carbonate diamictite

A Footwall volcanics

- 6 Andesitic ash, lapilli-ash tuff
- 5 Eutaxitic tuff (flow breccia?)
- 4 Rhyolitic tuff, flow, agglutinate
- 3 Red and green andesite tuff with minor epiclastics
- 2 Andesitic tuff
- 1 Wackes, minor conglomerate

INTRUSIVE ROCKS

HbP hornblende porphyritic dyke/sill

TEXTURAL MODIFIERS

Flows:

mF	massive
pF	pillowed
BxF	breccia
porF	porphyritic
spherF	spherulitic
perlF	perlitic
fbF	flow banded
trcF	trachytic
amygF	amygdaloidal

Pyroclastics:

Agg	Agglomerate 2/3 of clasts <64mm
Bx	breccia 2/3 of clasts <64mm
TBx	tuff breccia 1/3-2/3 of clasts <64mm
LT	lapilli tuff 2/3 of clasts 2-64mm
LAT	lapilli-ash tuff 1/3-2/3 of clasts 2-64mm
AT	ash tuff 2/3 of clasts <2mm
CT	crystal-rich tuff
WT	water lain tuff
wpF	welded pumice fragments
accl	accretionary lapilli

Epiclastics:

cal	calcareous
cgr	coarse-grained
mgr	medium-grained
fgr	fine-grained
carb/grp	carbonaceous/graphitic
lmst	limestone
mst	mudstone

Structures:

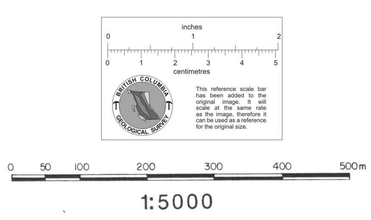
ngb, rgb	graded bedding
msb	massive bedded >30cm
mdb	medium bedded 10-30cm
fb	fine bedded <10cm
lam	laminated >1cm
cont/slum	contorted/slumped
flt	fault
gg	gouge
v	vein

Symbols:

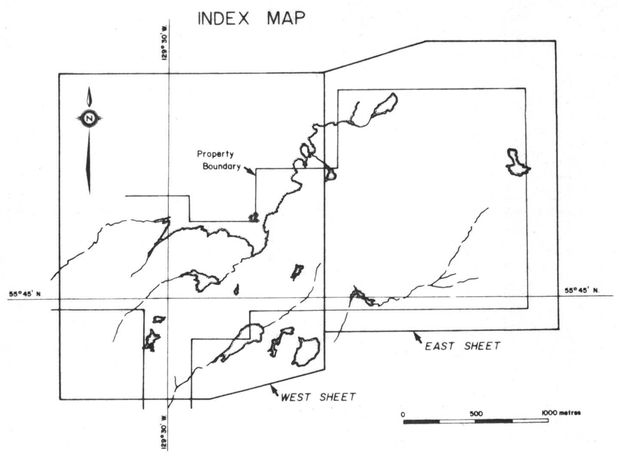
- outcrop
- small outcrop
- float
- geologic contacts
  - defined
  - inferred
  - assumed
- bedding attitude
- joint attitude
- foliation attitude
- lineation attitude
- fold attitude
- trench
- adit
- pit
- claim post

Minerals:

py	pyrite
ga	galena
sp	sphalerite
cp	chalcopyrite
hz	hydozincite



INDEX MAP



802359

Fig. 4 b GEOLOGY with notes

SHEET INDEX

PRELIMINARY RECONNAISSANCE TYPE MAPPING
Scale and elevation data based on limited ground control resulting in good relative but uncertain absolute accuracy

REF No 115 - 0

THE McELHANNEY GROUP LTD.
1166 Alberni Street Vancouver B.C. Canada

Compiled from aerial photography taken in July 1982 at an approximate scale of 1:20 000

SCALE 1:5000	CONTOUR INTERVAL 10 Metres
DATE COMPILED June 1987	SHEET NUMBER 2 of 2

COMINCO EXPLORATION LTD.

KITSAULT LAKE