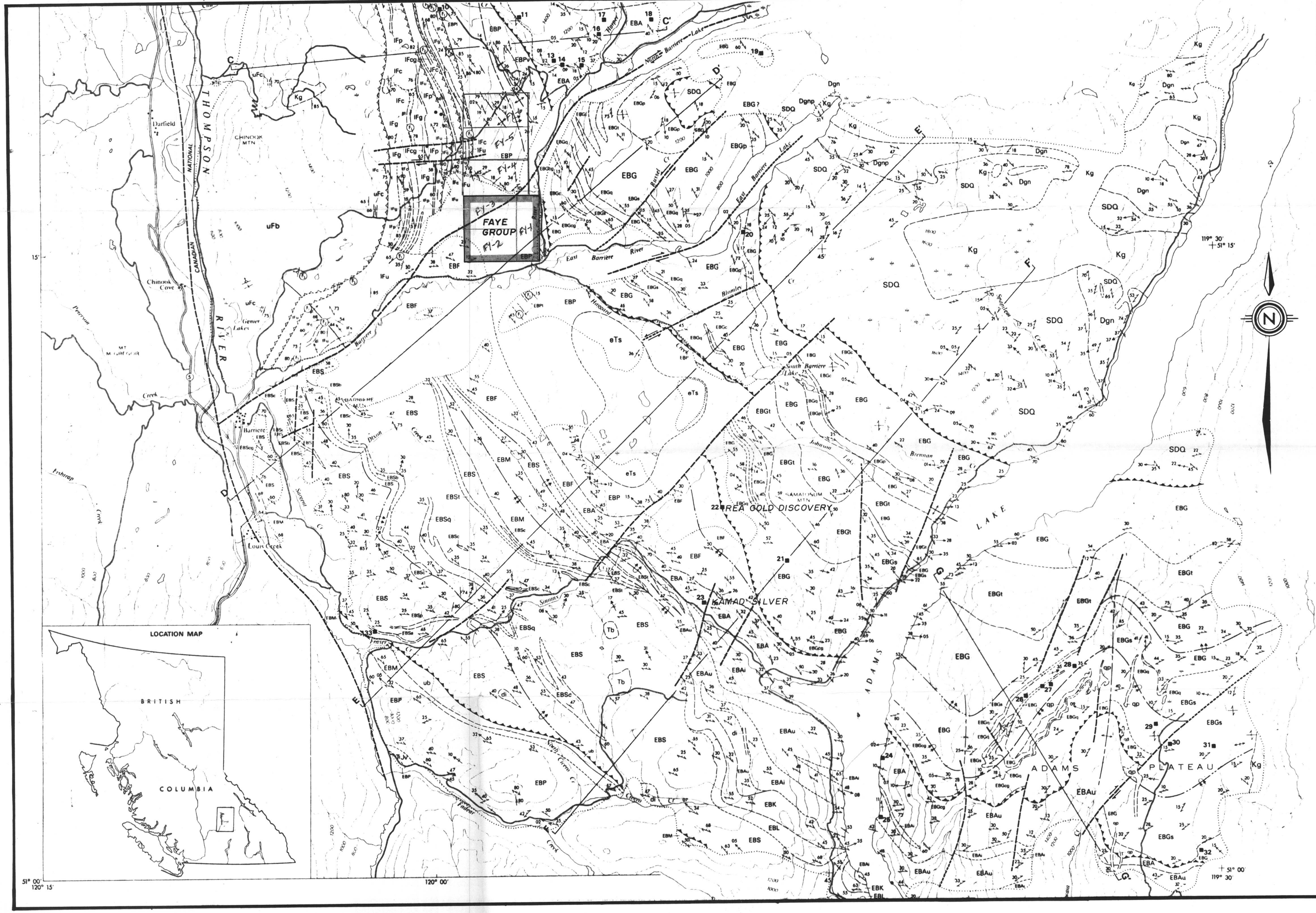

LEGEND

UPPER TRIASSIC AND LOWER JURASSIC NICOLA GROUP (?)

UPPER TRIASSIC OR LOWER JURASSIC

- **TRJv** AUGITE PORPHYRY BRECCIA

UPPER TRIASSIC

- **TRl** DARK GREY LIMESTONE

DEVONIAN TO PERMIAN

ALLOCHTHONOUS INTERNALLY IMBRICATED OCEANIC ASSEMBLAGE

FENNELL FORMATION

UPPER STRUCTURAL DIVISION

- **uFb** GREY AND GREEN PILLOWED AND MASSIVE METABASALT, MINOR AMOUNTS OF BASALTIC BRECCIA, TUFF (DIABASE, GABBRO, AND CHERT
- **uFc** GREY AND GREEN BEDDED CHERT

LOWER STRUCTURAL DIVISION

- **lFc** GREY AND GREEN BEDDED CHERT, CHERTY ARGILLITE, SLATE, AND PHYLLITE
- **lFb** GREY AND GREEN PILLOWED AND MASSIVE METABASALT. MINOR AMOUNTS OF BASALTIC BRECCIA AND TUFF
- **lFg** GABBRO, DIORITE, DIABASE
- **lFp** LIGHT TO MEDIUM GREY QUARTZ-FELDSPAR PORPHYRY RHYOLITE
- **lFs** LIGHT TO DARK GREY SANDSTONE, SILTSTONE, SLATE, PHYLLITE, AND QUARTZITE. MINOR AMOUNTS OF LIMESTONE AND CHERT. IN PLACES INCLUDES GREY TO GREEN QUARTZOSE AND FELDSPATHIC PHYLLITE (METATUFF)
- **lFcg** INTRAFORMATIONAL CONGLOMERATE CLASTS DERIVED EXCLUSIVELY FROM FENNELL FORMATION LITHOLOGIES
- **lFu** UNDIVIDED, MAINLY lFc, lFg, and lFb, BUT MAY INCLUDE ANY OR ALL OF ABOVE ROCK TYPES

DEVONO-MISSISSIPPIAN AND OLDER PARAUTOCHTHONOUS ROCKS (EBP TO SDQ)

EAGLE BAY FORMATION (EBP TO EBG)

MISSISSIPPIAN

- **EBP** DARK GREY PHYLLITE AND SLATE WITH INTERBEDDED SILTSTONE, SANDSTONE, AND GRIT. MINOR AMOUNTS OF CONGLOMERATE, LIMESTONE, AND METATUFF. EBPl LIMESTONE. EBPv METAVOLCANIC BRECCIA AND TUFF

DEVONIAN AND/OR MISSISSIPPIAN

- **EBF** LIGHT TO MEDIUM GREY, RUSTY WEATHERING FELDSPATHIC PHYLLITE AND FRAGMENTAL PHYLLITE DERIVED FROM INTERMEDIATE TO FELSIC TUFF AND VOLCANIC BRECCIA. MINOR AMOUNTS OF DARK GREY PHYLLITE AND SILTSTONE. EBFq LIGHT GREY MASSIVE "CHERTY QUARTZITE" (SILICEOUS EXHALITE ?)

DEVONIAN

- **EBA** LIGHT SILVERY GREY TO MEDIUM GREENISH GREY SERICITE-QUARTZ PHYLLITE AND SERICITE-CHLORITE-QUARTZ PHYLLITE DERIVED FROM FELSIC TO INTERMEDIATE VOLCANIC AND VOLCANICLASTIC ROCKS INCLUDING PYRITIC, FELDSPATHIC, AND COARSELY FRAGMENTAL VARIETIES. LESSER AMOUNTS OF DARK GREY PHYLLITE, SILTSTONE, AND GREEN CHLORITIC PHYLLITE. INCLUDES BIOTITE-FELDSPAR QUARTZ SCHIST AND GNEISS, BIOTITE-QUARTZ HORNFELS AND AMPHIBOLITE ADJACENT TO BALDY BATHOLITH. EBAf FELDSPAR PORPHYRY, FELDSPATHIC PHYLLITE, PYRITIC SERICITE-FELDSPAR-QUARTZ PHYLLITE, METAVOLCANIC BRECCIA. EBAi-SERICITIC QUARTZO-FELDSPATHIC SCHIST AND GNEISS DERIVED FROM FELSIC INTRUSIVE ROCKS; EBAu-UNDIVIDED EBA and EBAi

DEVONIAN (?) AND/OR OLDER (?) (UNITS EBU TO EBG)

- **EBU** LIGHT TO DARK GREEN CHLORITIC PHYLLITE, DARK GREY PHYLLITE AND SILTSTONE, LIMESTONE, QUARTZITE
- **EBM** GREY AND GREEN VESICULAR AND PILLOWED METABASALT, GREENSTONE, CHLORITE SCHIST. MINOR AMOUNTS OF BEDDED CHERT, SILICEOUS PHYLLITE AND FINE-GRAINED QUARTZITE
- **EBK** BANDED LIGHT GREY AND GREEN ACTINOLITE-QUARTZ SCHIST AND EPIDOTE-ACTINOLITE-QUARTZ ROCK; LESSER AMOUNTS OF GARNET-EPIDOTE SKARN, CHLORITIC SCHIST, AND SERICITE-QUARTZ SCHIST

DEVONIAN (?) AND/OR OLDER (?) (UNITS EBU TO EBG) (CONTINUED)

- **EBL** CALCAREOUS BLACK PHYLLITE, DARK GREY LIMESTONE AND ARGILLACEOUS LIMESTONE
- **EBS** GREY AND GREEN PHYLLITIC SANDSTONE AND GRIT, PHYLLITE, AND QUARTZITE. LESSER AMOUNTS OF LIMESTONE, DOLOSTONE, GREEN CHLORITIC PHYLLITE, SERICITE QUARTZ PHYLLITE AND FELDSPATHIC SERICITE QUARTZ PHYLLITE. EBSq LIGHT GREY TO WHITE QUARTZITE. EBSc LIMESTONE, DOLOSTONE, MARBLE. EBSb GREENSTONE, PILLOWED METABASALT, CHLORITIC PHYLLITE. EBScg CONGLOMERATE. EBSp GREY PHYLLITE AND SILTSTONE. EBSt SIDERITE SERICITE QUARTZ PHYLLITE AND FELDSPATHIC PHYLLITE (METATUFF). EBSa PYRITIC SERICITE QUARTZ PHYLLITE AND CHLORITOID SERICITE QUARTZ PHYLLITE
- **EBG** MEDIUM TO DARK GREEN CALCAREOUS CHLORITE SCHIST AND FRAGMENTAL SCHIST DERIVED LARGELY FROM MAFIC TO INTERMEDIATE VOLCANIC AND VOLCANICLASTIC ROCKS. LESSER AMOUNTS OF LIMESTONE AND DOLOSTONE. MINOR AMOUNTS OF QUARTZITE, GREY PHYLLITE, AND SERICITE QUARTZ PHYLLITE. EBGc LIMESTONE, DOLOSTONE, MARBLE. EBGt TSHINAKIN LIMESTONE MEMBER MASSIVE, LIGHT GREY FINELY CRYSTALLINE LIMESTONE AND DOLOSTONE. EBGs DARK TO LIGHT GREY SILICEOUS AND/OR GRAPHITIC PHYLLITE, CALCAREOUS PHYLLITE, LIMESTONE, CALC SILICATE, CHERTY QUARTZITE. MINOR AMOUNTS OF GREEN CHLORITIC PHYLLITE AND SERICITE QUARTZ PHYLLITE; EBGq LIGHT TO MEDIUM GREY QUARTZITE. EBGp DARK GREY PHYLLITE, CALCAREOUS PHYLLITE AND LIMESTONE; MINOR AMOUNTS OF RUSTY WEATHERING CARBONATE-SERICITE-QUARTZ PHYLLITE (METATUFF ?); EBGcg POLYMICTIC CONGLOMERATE

SPAPILEM CREEK–DEADFALL CREEK SUCCESSION (SDQ)

LOWER CAMBRIAN (?) AND/OR HADRYNIAN (?)

- **SDQ** LIGHT TO DARK GREY QUARTZITE, MICACEOUS QUARTZITE, GRIT, AND PHYLLITE; LESSER AMOUNTS OF CALCAREOUS PHYLLITE, CARBONATE, AND GREEN CHLORITIC SCHIST. NORTHEASTERN EXPOSURES INCLUDE STAUROLITE-GARNET-MICA SCHIST, CALC-SILICATE SCHIST, AND AMPHIBOLITE

TERTIARY OR QUATERNARY

- **Tb** OLIVINE BASALT

MIOCENE OR PLIOCENE

- **mTb** PLATEAU LAVA OLIVINE BASALT

EOCENE

KAMLOOPS GROUP

- **eTs** SKULL HILL FORMATION AND RELATED ROCKS ANDESITE AND BASALT. INCLUDES MINOR AMOUNTS OF MUDSTONE AND SHALE IN THE VICINITY OF ALEX AND HAGGARD CREEKS
- **eTc** CHU CHUA FORMATION SANDSTONE, SHALE, CONGLOMERATE, COAL

CRETACEOUS OR TERTIARY

- **qp** QUARTZ FELDSPAR PORPHYRY

CRETACEOUS

BALDY BATHOLITH, RAFT BATHOLITH, AND RELATED ROCKS

- **Kg** GRANITE AND GRANODIORITE

AGE UNKNOWN

- **di** FOLIATED DIORITE, QUARTZ DIORITE AND GABBRO
- **ub** SERPENTINITE

LATE DEVONIAN

- **Dgn** GRANITE AND GRANODIORITE ORTHOGNEISS. Dgnp INCLUDES SILLIMANITE BEARING PARAGNEISS

SYMBOLS

- GEOLOGICAL CONTACT DEFINED, APPROXIMATE, ASSUMED
- BEDDING, TOP KNOWN INCLINED, OVERTURNED
- BEDDING, TOP UNKNOWN HORIZONTAL, INCLINED, VERTICAL
- FACING DIRECTION OF PILLOWED BASALT INCLINED, OVERTURNED
- SYNMETAMORPHIC SLATY CLEAVAGE, SCHISTOSITY, OR GNEISSOSITY HORIZONTAL, INCLINED, VERTICAL
- MINERAL LINEATION
- POSTMETAMORPHIC CRENULATION CLEAVAGE INCLINED, VERTICAL
- CRENULATION LINEATION
- MESOSCOPIC FOLD AXIS SYNMETAMORPHIC, POSTMETAMORPHIC, LATE KINK
- AXIAL TRACE OF SYNMETAMORPHIC FOLD OVERTURNED ANTCLINE, OVERTURNED SYNCLINE, ESTABLISHED, INFERRED
- AXIAL TRACE OF POSTMETAMORPHIC FOLD ANTIFORM, SYNFORM
- LATER (SYN OR POSTMETAMORPHISM) WEST TO SOUTHWESTERLY DIRECTED THRUST FAULT, TEETH ON UPPER PLATE DEFINED, APPROXIMATE, ASSUMED
- EARLY (PRE FOLDING AND METAMORPHISM) EASTERLY DIRECTED THRUST FAULT, TEETH ON UPPER PLATE, DEFINED, APPROXIMATE, ASSUMED
- FAULT, DOT ON DOWNTHROWN SIDE, ARROWS INDICATE SENSE OF STRIKE SLIP MOVEMENT DEFINED, APPROXIMATE, ASSUMED
- CONODONT FOSSIL LOCALITY MISSISSIPPIAN, PENNSYLVANIAN, PERMIAN
- LOCATION OF RADIOMETRICALLY DATED SAMPLE (Pb/U ON ZIRCONS AND Rb/Sr WHOLE ROCK) INDICATE A DEVONIAN AGE FOR UNIT EBA AND FOR UNIT lFp
- MINERAL OCCURRENCE ■7
- LIMIT OF GEOLOGICAL MAPPING OR OUTCROP
- LINE OF GEOLOGICAL CROSS SECTION E E'
- TOPOGRAPHICAL CONTOUR (200 METRE INTERVAL)

inches 0 1 2

0 1 2 3 4 5 centimetres

BRITISH COLUMBIA GEOLOGICAL SURVEY

This reference scale bar has been added to the original image. It will scale at the same rate as the image, therefore it can be used as a reference for the original size.

SCALE

0 1 2 3 4 5 6 7 8 9 10 km.

J.S. KERMEEN M.Sc., P.Eng. CONSULTING GEOLOGICAL ENGINEER		
CLIENT: G. SCHELL		
PROJECT/PROPERTY: FAYE GROUP		
TITLE: DISTRICT GEOLOGY		
PREP. BY:	NTS No.:	DATE DWN: 84-12
DWN. BY: P.J.M.	AREA: ADAMS PLATEAU	DATE REVISED:
SCALE: 1:100000		DRAWING Nº: C84-20-2

824468 82m/5