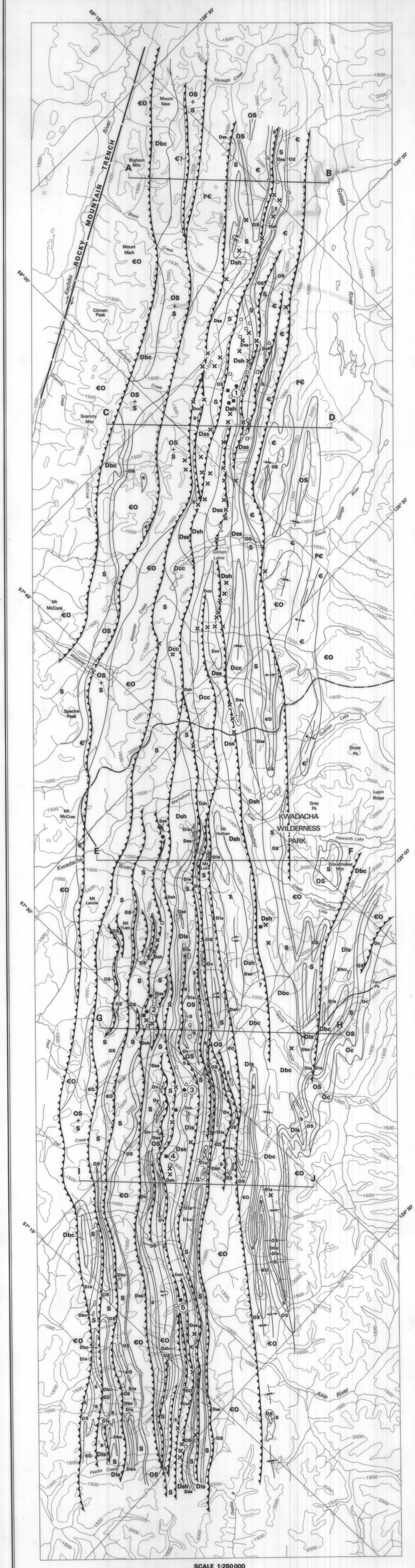
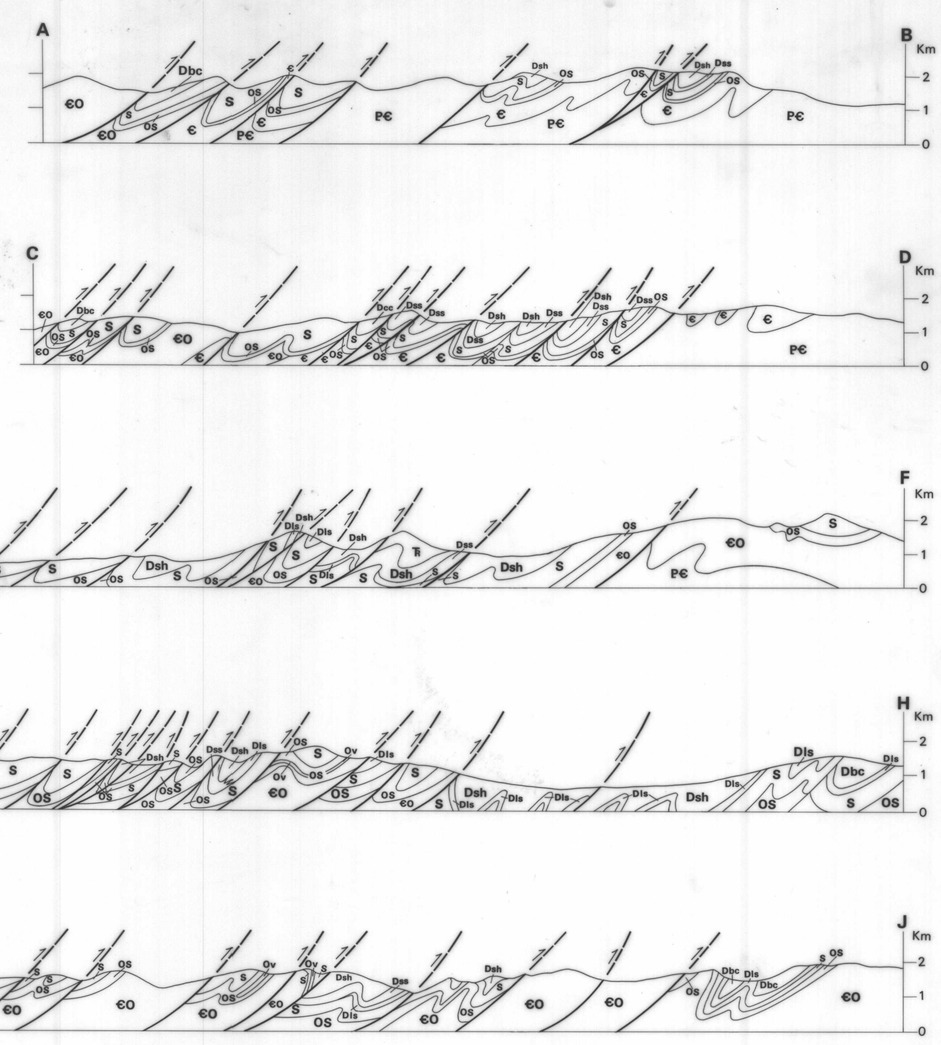
PRELIMINARY MAP 38



INTERPRETIVE STRUCTURAL SECTIONS

SCALE 1:125 000



Province of British Columbia
Ministry of Energy, Mines and Petroleum Resources

PRELIMINARY MAP 38 MAY 1980

GEOLOGICAL COMPILATION AND MINERAL OCCURRENCE MAP

DRIFTPILE CREEK - AKIE RIVER

Ba-Pb-Zn MINERAL DISTRICTS

GEOLOGY COMPILED BY D.G. MacINTYRE

LEGEND

UPPER TRIASSIC

- **TR** BROWN–WEATHERING FOSSILIFEROUS DOLOMITIC SILTSTONE, MINOR ARGILLACEOUS LIMESTONE; BASAL UNIT OF CHERT

MIDDLE/UPPER DEVONIAN

- **Dbc** BLACK CLASTICS, UNDIFFERENTIATED
- **Dcc** GREY TO BROWN – WEATHERING SANDSTONE, SILTSTONE AND POLYMICTIC PEBBLE CONGLOMERATE; MINOR PELAGIC CHERT AND SHALE
- **Dsh** BLUE–GREY–WEATHERING, BLACK CARBONACEOUS SHALE, SILTY SHALE, SILICEOUS ARGILLITE LOCALLY WITH NODULAR AND MASSIVE BARITE AND LAMINATED PYRITE INTERBEDS; MINOR CHERT, LIMESTONE, SILTSTONE (GUNSTEEL FORMATION)

LOWER/MIDDLE DEVONIAN

- **Dss** GREY TO BROWN – WEATHERING SILTY SHALE, SILTSTONE, SANDSTONE; MINOR SILICEOUS ARGILLITE, LIMESTONE (BASINAL EQUIVALENT OF UNIT Dls)
- **Dls** THICK–BEDDED GREY–WEATHERING FOSSILIFEROUS LIMESTONE; LIMESTONE TURBIDITES AND DEBRIS FLOWS WITH INTERBEDDED CHERT, QUARTZ SILTSTONE, CALCAREOUS SILTSTONE, GRAPTOLITIC SHALE, AND BLACK FETID LIMESTONE

SILURIAN

- **S** BROWN TO ORANGE–WEATHERING, LAMINATED AND FLASER–BEDDED DOLOMITIC SILTSTONE; BASAL UNIT OF GREY BLOCKY LIMESTONE, DOLOSTONE, AND INTERBEDDED BLACK CHERT AND SILTY SHALE IN AKIE RIVER AREA

MIDDLE ORDOVICIAN/SILURIAN

- **OS** ROAD RIVER FORMATION: BLACK GRAPTOLITIC SHALE; CREAM, BROWN, AND GREY–WEATHERING, LAMINATED CALCAREOUS SILTSTONE AND SILTY SHALE; BASAL UNIT OF LIMESTONE TURBIDITES AND DEBRIS FLOWS IN AKIE RIVER AREA
- **Ov** ORANGE AND GREEN–WEATHERING VITRIC, CRYSTAL, AND LAPILLI TUFF, GREEN MICRODIORITIC FLOWS; LOCALLY INTERBEDDED WITH BLACK GRAPTOLITIC SHALE IN AKIE RIVER AREA
- **Oc** SKOKI FORMATION: MASSIVE DOLOSTONE, DEBRIS FLOWS

UPPER CAMBRIAN/LOWER ORDOVICIAN

- **€O** KECHIKA GROUP: LIGHT GREY TO CREAM–WEATHERING, TALCY, NODULAR PHYLLITIC MUDSTONE; ARGILLACEOUS, WAVY BANDED LIMESTONE; MINOR CRYSTAL TUFF INTERBEDS

LOWER/MIDDLE CAMBRIAN

- **€** GREY–WEATHERING, THICK–BEDDED, MASSIVE MICRITIC LIMESTONE, QUARTZITE; MINOR BLACK SHALE, DOLOMITIZED BRECCIA, AND QUARTZ PEBBLE CONGLOMERATE

PROTEROZOIC/CAMBRIAN

- **P€** PHYLLITE, SCHIST, QUARTZITE, PEBBLE CONGLOMERATE; MINOR LIMESTONE

SYMBOLS

- THRUST FAULT
- OVERTURNED SYNCLINE, OVERTURNED ANTICLINE
- SYNCLINE, ANTICLINE
- GEOLOGICAL CONTACT
- VEIN, Zn (Pb, Cu)
- GOSSAN/Fe SEEP
- NODULAR BARITE
- MASSIVE PYRITE (± Zn, Pb)
- MASSIVE BEDDED BARITE
- MASSIVE BEDDED BARITE + Pb, Zn, (Ag)

INDEX TO MAJOR MINERAL PROPERTIES

No.	Property	Owner	Operator	Showings	Work to Date	References
1	DP (Driftpile)	Placer Development	Gataga Joint Venture	Fe, Zn, (Pb) Ba, Pb, Zn Ba	electromagnetic and geochemical surveys; diamond drilling, 30 holes totalling 3 433 m	Assessment Reports 5812, 6666, 7149
2	Cirque	Cyprus Anvil/Hudson's Bay Oil and Gas	Cyprus Anvil	Ba, Zn, Pb, Ag Fe, Zn, (Pb) Ba	electromagnetic and geochemical surveys; diamond drilling, 30 holes totalling 8 810 m	Assessment Reports 6743, 7272
3	Pie	Riocanex	Riocanex	Ba, Pb, Zn Zn	geochemical survey	Assessment Report 7373
4	Fluke	Cyprus Anvil/Hudson's Bay Oil and Gas	Cyprus Anvil	Fe, (Pb, Zn)	geochemical survey	Assessment Report 7270
5	Elf	Cyprus Anvil/Hudson's Bay Oil and Gas	Cyprus Anvil	Ba, Pb, Zn, Ag	geochemical survey; diamond drilling, 4 holes totalling 1 220 m	Assessment Report 7303

SOURCES OF GEOLOGICAL INFORMATION

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Gabrielse, H. (1962): Geological Map of the Kechika Map-Area, *Geol. Surv., Canada*, Map 42-1962.

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MacIntyre, D. G. (1979): Driftpile Creek – Akie River Project, *B.C. Ministry of Energy, Mines & Pet. Res.*, Geological Fieldwork, 1979, Paper 1980-1, pp. 55-67.

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