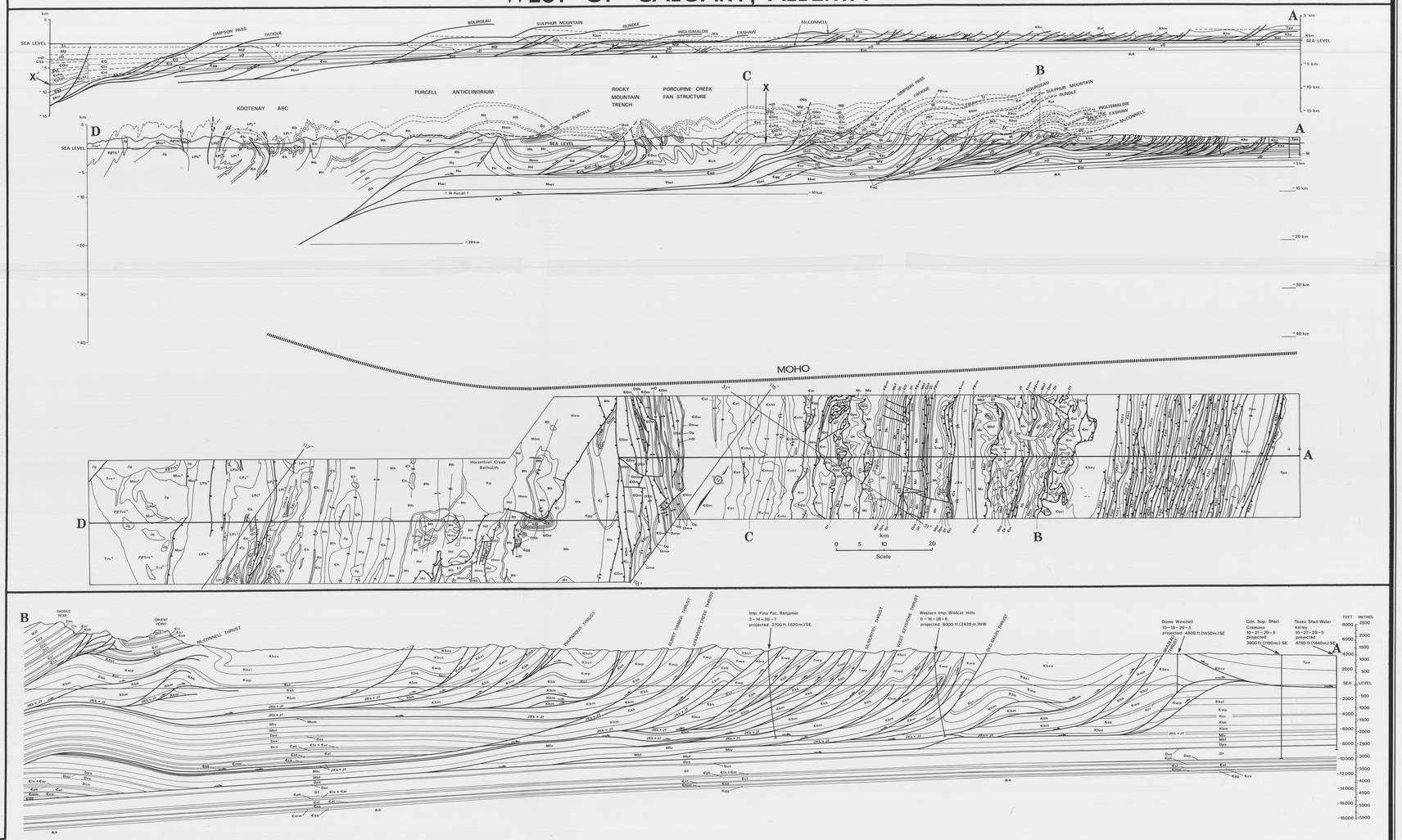
STRUCTURE SECTION OF THE CORDILLERAN FORELAND THRUST AND FOLD BELT WEST OF CALGARY, ALBERTA



LEGEND

TABLE OF FORMATIONS

WEST — EAST

QUATERNARY PLEISTOCENE AND RECENT: Qd
TERTIARY PALEOCENE: Tpa PASKAPOO
CRETACEOUS
UPPER CRETACEOUS: Kbzu; Kbzl; Kwp; Kcr; Kds — BRAZEAU (Kbz); LOWER BRAZEAU; WAPIABI; CARDIUM; BLACKSTONE — ALBERTA GROUP (Kal)
LOWER CRETACEOUS: Kbm BLAIRMORE
JURASSIC AND LOWER CRETACEOUS: JKs KOOTENAY
JURASSIC: Jf FERNIE GROUP (JKs + Jf)
TRIASSIC: Trwh WHITEHORSE; Trsm SULPHUR MOUNTAIN
PERMIAN AND PENNSYLVANIAN: PPrm ROCKY MOUNTAIN SUPERGROUP
MISSISSIPPIAN: Mat ETHERINGTON; Mmh MOUNT HAWK; Mlv LIVINGSTONE; Mbf BANFF — MF
UPPER DEVONIAN: Dps PALLISER; Das ALEXO; Dss SASSENACH; Dsh SOUTHESK; Dmh MOUNT HAWK; Dcn CAIRN — FAIRHOLME GROUP (Df)
MIDDLE DEVONIAN: Dep ELK POINT
ORDOVICIAN AND SILURIAN: OSb BEAVERFOOT
ORDOVICIAN: Omw MOUNT WILSON; Oss SKOKI; Otp TIPPERARY; Otr OUTRAM — €O
CAMBRIAN: € SURVEY PEAK
UPPER CAMBRIAN: €m MISTAWA; €bc BISON CREEK; €ll LYELL; €su SULLIVAN — LYNX GROUP (€ls)
MIDDLE AND UPPER CAMBRIAN: €wf WATERFOWL
MIDDLE CAMBRIAN: €ar ARCTOMYS; €pi PIKA; €el ELDON; €st STEPHEN; €ca CATHEDRAL; €mw MOUNT WHYTE — €m
MIDDLE AND LOWER CAMBRIAN: €gg GOG GROUP
LOWER CAMBRIAN AND EARLIER: €gg GOG GROUP
LOWER CAMBRIAN: €b BADSHOT
LOWER CAMBRIAN AND MIDDLE CAMBRIAN: €h HAMILL GROUP
WINDERMERE (HADRYNIAN): Hh; Hm; Hbc BONNEMYRE CREEK GROUP; Hwi WINDERMERE (HADRYNIAN); Hmc METTE GROUP
PURCELL SUPERGROUP (HELIKIAN): Hmn MOUNT NELSON; Hd DUTCH CREEK; Hk KITCHENER – SYEH; Hc CRESTON; Hg ALDRIDGE
APHEBIAN AND ARCHEAN: AA CRYSTALLINE BASEMENT
CRETACEOUS: Kg GRANITIC ROCKS — Kbkc
JURASSIC: Jg GRANITIC ROCKS
TRIASSIC AND/OR JURASSIC: TrJ^u BLOCAN GROUP — TJ
TRIASSIC AND/OR PERMIAN AND/OR PENNSYLVANIAN: PPTrA KARLU GROUP — SPRAY RIVER GROUP (TJr)
MISSISSIPPIAN AND(?) PENNSYLVANIAN: Mm^u MCCORD GROUP — M; RUNDLE GROUP
Ds STARBIRD
mD MT. FORSTER (MIDDLE DEVONIAN CEDARGR.)
OSb BEAVERFOOT
LARDEAU GROUP (LOWER PALEOZOIC): LPz^u; BROADVIEW
ORDOVICIAN: Og GLENOGLE
ORDOVICIAN AND UPPER CAMBRIAN: €Ou OUTRAM — €O
€Om MULKAY
LPz^u JOWETT
JUBILEE: €j; €cl OTTERTAIL; €chu CHANCELLOR (UPPER)
MIDDLE AND UPPER CAMBRIAN: €wf
INDEX: LPz^u; CHANCELLOR €ch; €chm CHANCELLOR (MIDDLE); €chl CHANCELLOR (LOWER)
€m

SYMBOLS

GEOLOGICAL BOUNDARY
FACIES BOUNDARY
FAULT, GENETIC TYPE UNKNOWN
THRUST FAULT (teeth on upthrust side)
NORMAL FAULT (solid circles indicate downthrown side)
ANTICLINE, SURFACE TRACE OF AXIAL SURFACE
SYNCLINE, SURFACE TRACE OF AXIAL SURFACE
ANTICLINE, SYNCLINE (overturned)
BOREHOLE
SUSPECT TERRANES (may be allochthonous and tectonically juxtaposed over North American rocks)

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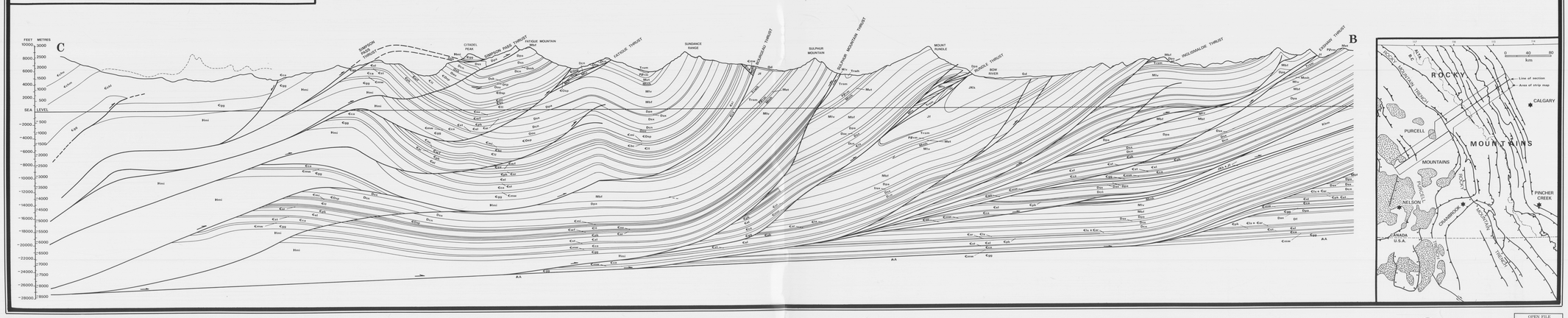

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