

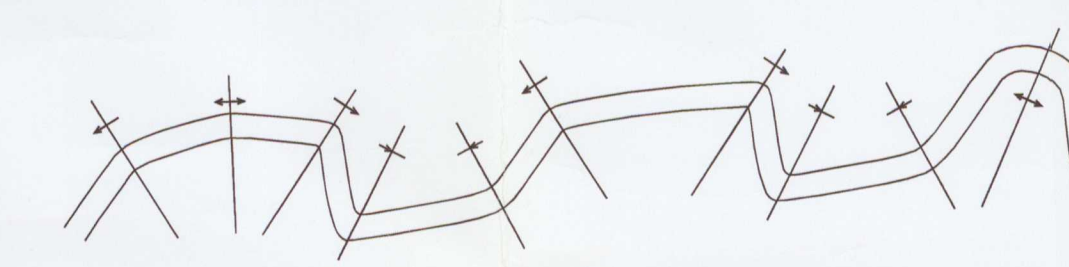
LEGEND

- CRETACEOUS
 - UPPER CRETACEOUS
 - uKW WAPITI FORMATION: banded feldspathic sandstone; coal.
 - uKK KOTANEELI FORMATION: dark grey concretionary shale; mudstone, grey sandstone.
 - uKD DUNVEGAN FORMATION: light grey to buff sandstone, pebble conglomerate dark grey silty shale, and coal; sandstone is massive with cross-bedding.
 - LOWER CRETACEOUS
 - Fort St. John Group (KSh - IKCh)
 - KSh - undivided shale
 - IKSc SCATTER FORMATION: resistant, flaggy to thick bedded, glauconitic greenish grey laminated sandstone interbedded with silty concretionary mudstone.
 - IKGa GARBUTT FORMATION: grey shale and siltstone with sideritic concretions; may include Chinkeh Formation.
 - IKCh CHINKEH FORMATION: chert pebble conglomerate, bioturbated quartz arenite with variable chert content, and argillaceous siltstone.
 - TRIASSIC
 - TTG TOAD-GRAYLING FORMATION: red, green, and grey shale interbedded with brown sandstone; locally calcareous.
 - PERMIAN
 - PF FANTASQUE FORMATION: rhythmically bedded chert, minor shale and siliceous siltstone.
 - Pt Tika map unit: buff weathering, light to medium brown, fine-grained silty limestone, silty dolostone, and calcareous quartz arenite.
 - PALEOZOIC
 - LOWER CARBONIFEROUS
 - Mattson Formation
 - CM-u UPPER MEMBER: grey quartz arenite, fossiliferous limestone, quartz arenite, sub-chert-arenite, and shale; locally cross-bedded; may include Tika map unit.
 - CM-m MIDDLE MEMBER: thick bedded, poorly to well-indurated, grey to buff to brown quartz arenite with minor interbedded siltstone, dark shale, and coal; medium to large scale cross-bedding.
 - CM-l LOWER MEMBER: thin-bedded, rusty weathering, buff, fine to medium grained quartz arenite interbedded with siltstone and shale; locally bioturbated.
 - DEVONIAN TO LOWER CARBONIFEROUS
 - DCIR BESA RIVER FORMATION: dark grey to black shale; minor interbedded siltstone and sandstone increasing up section.

MAP SYMBOLS

- Geological boundary (defined, approximate, assumed)
- Nomenclature change
- Outcrop stations
- Outcrop; observation by helicopter
- Bedding, tops known (inclined)
- Cleavage
- Anticline (defined, approximate, assumed)
- Syncline (defined, approximate, assumed)
- Box anticline - (defined, approximate, assumed)
- Box syncline - (defined, approximate, assumed)
- Anticline with plunge (assumed)
- Well (Gas, Suspended)
- Gas field boundary

FOLD SYMBOLOGY



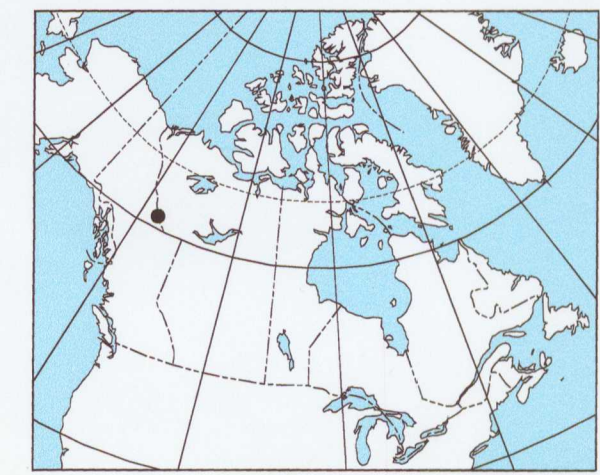
LIST OF WELLS

UWID	FULL NAME	RIG RELEASE	SURFACE LOCATION (Easting, Northing)
1	300279010124000 CANADA SOUTHERN ET AL N BEAVER R 1-2	24-Mar-63	440713, 6664283
2	3003886010124000 COLUMBIA GAS ET AL KOTANEELI B-38	06-Apr-77	438728, 6665411
3	3000016010124153 PAN AM BEAVER RIVER G-01	11-Jun-77	429454, 6652859
4	300376010124000 COLUMBIA GAS ET AL KOTANEELI YT E-37	21-Jan-78	437576, 6663914
5	300486010124000 COLUMBIA ET AL KOTANEELI YT I-48	18-Apr-79	437303, 6666023
6	3003886010124001 COLUMBIA ET AL KOTANEELI B-38	22-Sep-90	438276, 6665359
7	300506010124001 PAN AM HOME SIGNAL CSP KOTANEELI P-50	30-Sep-90	437095, 6670104
8	300M176010124001 COLUMBIA ET AL KOTANEELI M-17	10-Nov-90	441073, 6664413
9	300486010124004 COLUMBIA ET AL KOTANEELI I-48	02-May-91	437295, 6666051

Compilation by K. M. Fallas based on fieldwork and studies of vertical air photographs 2000.
 THIS MAP IS A PRODUCT OF THE CENTRAL FORELAND NATMAP PROJECT
 Geology from field work by K. M. Fallas 2000, with contributions from: R. MacNaughton, R. Aquilini, and R. Moore. Additional data from 1995-1996 fieldwork by M. C. McDonough (Husky Oil Operations Ltd.).
 Geological cartography by K. M. Fallas and S. J. Hinds
 Any revisions or additional geological information from the user would be welcomed by the Geological Survey of Canada
 Base map at the same scale published Surveys and Mapping Branch in 1971

NOTES:
 Geological stations have been transformed from NAD27 (North American Datum 1927) to NAD83.
 Although every effort has been made to ensure accuracy, this Open File Report has not been edited for conformity with Geological Survey of Canada Standards.

Recommended citation:
 Fallas K. M., 2001: Preliminary Geology - Mount Martin (95C/01), Yukon Territory, British Columbia, and the Northwest Territories; Geological Survey of Canada, Open File map 3402, scale 1:50 000.



CONTOUR INTERVAL 100 FEET
 Elevations in Feet above Mean Sea Level
 North American Datum 1983
 Transverse Mercator Projection

NATMAP CARTNAT
 Canada's National Geoscience Mapping Program
 Le Programme national de cartographie géoscientifique du Canada

PRELIMINARY GEOLOGY
MOUNT MARTIN
 YUKON TERRITORY - BRITISH COLUMBIA - NORTHWEST TERRITORIES

Scale 1:50 000 Échelle 1/50 000

Kilometres 1 0 1 2 3 Kilomètres

Universal Transverse Mercator Projection
 Projection transverse universelle de Mercator
 © Crown copyrights reserved © Droits de la Couronne réservés

OPEN FILE DOSSIER PUBLIC
 3402
 GEOLOGICAL SURVEY
 COMMISSION GÉOLOGIQUE
 OTTAWA
 MAR 2001

Although every effort has been made to ensure accuracy, this Open File Report has not been edited for conformity with Geological Survey of Canada standards.

95C/07 Brown Lake	95C/08 Babiche Mountain	95B/05 Fisherman Lake
95C/02 Mount Merrill	95C/01 Mount Martin	95B/04 Betalamene Lake
94N/15 Crow River	94N/16 Beaver River	94O/13 Sandy Creek

NATIONAL TOPOGRAPHIC SYSTEM REFERENCE AND INDEX TO ADJOINING GEOLOGICAL SURVEY OF CANADA MAPS