



LEGEND

DEVIATION AND CARBONIFEROUS

EARN GROUP

DME Resessive, light brown weathering chert, shaly blue siliceous shale, black shale, sandstone, and minor chert. Massive, coarse grained limestone. angular unconformity on Ogilvie Formations and unit Odi.

DEVONIAN

EARLY DEVONIAN

Do Oculite Formation: massive light grey thick bedded light grey argillaceous limestone.

SILURIAN AND (?)DEVONIAN

SD Resessive, fossiliferous, light grey limestone.

SILURIAN

Sv Dark green mafic volcanic rocks. Includes light full, hydroclastic breccia.

MIDDLE OR LATE PALEOZOIC

Ri Resistant, dark weathering shales, gabbro sills and dikes. Intrudes Road River Group on both sides of the Dawson Fault.

ORDOVICIAN, SILURIAN AND DEVONIAN

Odi Dark blue weathering, granitic siliceous shale and chert. Calcarenite black shale, and light grey shaly laminated limestone in northernmost exposures. May locally include Earn Group.

(?)CAMBRIAN, ORDOVICIAN AND (?)SILURIAN

Csc Massive, tabular-forming bluish-grey weathering dolomite. angular unconformity on all older units.

JURASSIC, TRIASSIC AND OLDER?

Tjps Resessive grey brown weathering black shale, lesser amounts of massive calcareous micaceous siltstone, silty shale, and minor cross-laminated, micaceous sandstone. stratigraphic relations unknown.

MISSISSIPPIAN

Mq KEND HILL QUARTZITE: dark grey weathering, massive to very thick bedded, shaly quartz arenite and minor black shale. stratigraphic relations unknown.

ORDOVICIAN AND (?)SILURIAN

ROAD RIVER GROUP

OSi Resessive, light grey weathering limestone. Varies from thin bedded with green shale coatings through thick bedded to massive. Interbedded with black siltstone and chert. unconformity on Narchotha Formation, Gul Lake Formation and unit Odi.

ORDOVICIAN AND (?)DEVONIAN

ROAD RIVER GROUP

DDa Olive green weathering slate, interbedded with variable amounts of brown weathering thin bedded chert, and minor silver blue weathering siliceous black shale. angular unconformity with Narchotha Formation, disconformable? on unit Odi.

ORDOVICIAN

ROAD RIVER GROUP

Oa Resistant, thick to very thick bedded tabular bedded grey chert. angular unconformity with Narchotha Formation, disconformable? on unit Odi.

CAMBRIAN AND ORDOVICIAN (COv - COu)

COu Green and grey siliceous shale and interbedded grey green chert with minor limestone. Probably equivalent to Hahlothe Formation and lower part of unit Odi. angular unconformity with all older units.

COv DEMPISTER VOLCANICS: Resistant dark greenish grey weathering mafic volcanic flows, tuffs and hydroclastic breccias. angular unconformity with Gul Lake and Narchotha Formations; locally conformable on Gul Lake Formation.

CAMBRIAN

Cd Resistant dark weathering shales, gabbro sills and dikes. Intrudes Cambrian and Proterozoic strata south of Dawson Thrust.

CAMBRIAN AND MIDDLE? CAMBRIAN

Cg GUL LAKE FORMATION: massive, shaly brown weathering olive grey and greenish grey shaly laminated siltstone and localised shale. COv, well-bedded brown weathering limestone, shales, calcarenite sandstone, calcareous siltstone. COv - quartz arenite, mafic volcanic, limestone, shale. COv - resistant dark greenish grey weathering mafic volcanic flows, tuffs and hydroclastic breccias. disconformable? on Narchotha Formation.

PROTEROZOIC AND CAMBRIAN

UPPER PROTEROZOIC AND LOWER CAMBRIAN

HYLAND GROUP (Py - Pcn)

Pcn NARCHOHA FORMATION: massive, medium, green and grey shales, with lesser amounts of sandstone, quartz arenite, and quartzite/siltstone gneiss. disconformable? on Narchotha Formation.

PROTEROZOIC

UPPER PROTEROZOIC

Py YUSEZU FORMATION: dull grey brown weathering quartzite/siltstone gneiss and sandstone with lesser amounts of interbedded dark grey phyllite and minor mafic and green shale, siltstone, shale(?) - brown weathering sandy limestone, limestone.

MIDDLE AND (?)UPPER PROTEROZOIC

Pnc Rockish weathering, massive to thick bedded cream colored dolomite. Hard(?) massive pervasive, with veins and veins of reddish weathering carbonate.

Ppb Orange weathering silty dolomite and limestone.

Epa Black, pale greenish brown, green and maroon phyllite, dark greenish grey massive to fine laminated granitoid and siliceous. angular unconformity on Hart River volcanics, Hart River sills and Gillespie Lake Group.

MIDDLE PROTEROZOIC (Pp - Pv)

Pv HART RIVER VOLCANICS: mafic volcanic flows, generally massive and fine-grained, locally pillowed.

Pg HART RIVER BELLS: Resistant dark weathering shales, gabbro sills and dikes. Only intrude Wainwright Supergroup.

LOWER PROTEROZOIC

WERNECKE SUPERGROUP (Po - Pp)

Pp GILLESPIE LAKE GROUP: orange weathering thin bedded to shaly laminated silty dolomite and limestone. Pci - black shale.

Po QUARTZ GROUP: black shale, siltstone, and sandstone. Finely laminated brown and green weathering silty shale near top of unit.

SYMBOLS

Geological contact (defined, approximate, assumed/covered).....

Fault or vein fault, displacement unknown (defined, approximate, assumed/covered).....

Thin fault seen on hanging wall (defined, approximate, assumed/covered).....

Normal fault-dot on downthrown side (defined, approximate, assumed/covered).....

Fold axial trace (upright anticline, syncline, overturned anticline, syncline).....

Limit of outcrop.....

Bedding (shown upright, overturned, unknown).....

Foliation (line tick indicates earliest phase of deformation, line without tick indicates subsequent phase of deformation).....

Line of cross-section.....

Stratigraphic section (measured, estimated).....

Isotopic age determinations (see accompanying report).....

RECOMMENDED CITATION

ABBOTT, J.G., 1997. Geology of Two Beaver Lake map area, eastern Ogilvie Mountains, Yukon Territory (NTS 116 A/11). Exploration and Geological Services Division, Indian and Northern Affairs Canada, Map 1997-3, scale 1:50,000.

This map incorporates ABBOTT, J.G., 1997. Geology of the upper Hart River area, eastern Ogilvie Mountains, Yukon Territory (116 A/11). Exploration and Geological Services Division, Indian and Northern Affairs Canada, Bulletin 9.

Digital cartography and drafting by Wil van Randen, Yukon Geology Program.

Any revision of additional geological information known to the user would be welcomed by the Yukon Geology Program.

Copies of this map, the accompanying report and Yukon Mapfile may be purchased from Geoscience Information and Sales, Exploration and Geological Services Division, Indian and Northern Affairs Canada, Room 105-300 Main St., Whitehorse, Yukon, Y1A 2S6. PH: 867-667-3264, Fax: 867-667-3267.

State the map in a date area to prevent the colour from fading.

Map last revised November, 1997.

MINERAL OCCURRENCES

(From Yukon Mapfile)

SYMBOL	MINFILE NO.	NAME	TYPE
★	116A-02	SHINE	work target

TWO BEAVER LAKE
YUKON TERRITORY
SCALE 1:50 000

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ONE THOUSAND METRE
Universal Transverse Mercator Grid
ZONE 8

CONTOUR INTERVAL 100 FEET
Elevations in Feet above Mean Sea Level
North American Datum 1927
Transverse Mercator Projection.

116 A/13	116 A/11	116 A/15
116 A/12	116 A/11 THIS MAP	116 A/10
116 A/5	116 A/6	116 A/7

Yukon Geology Program
Mapfile No. 116 A/11
Mapfile Name: Two Beaver Lake
Mapfile Date: 1997-11-11
Mapfile Scale: 1:50,000
Mapfile Projection: UTM
Mapfile Zone: 8

Indian and Northern Affairs Canada
Exploration and Geological Services Division
Yukon Region

Geoscience Map 1997-3

**Geology of Two Beaver Lake map area
eastern Ogilvie Mountains, Yukon
(NTS 116 A/11)**

by
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Canadian Geoscience Development Agreement
Geoscience Office