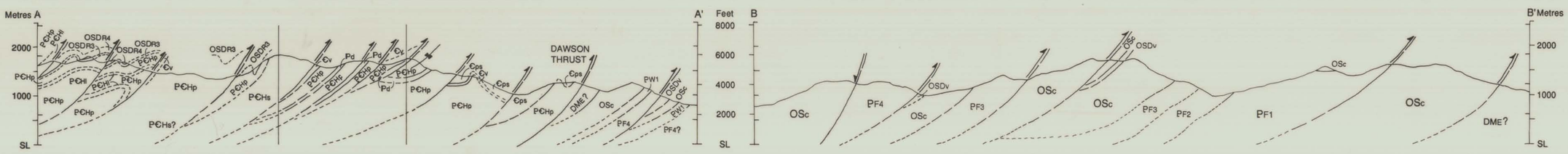


Canada

canada/yukon economic development agreement

Yukon Government

## LEGEND

### "OFFSHELF SEQUENCE" SOUTH OF DAWSON THRUST

**(?)JURASSIC, TRIASSIC AND (?)OLDER**

TJps — Recessive,grey-brown weathering black slate, lesser amounts of weakly calcareous, micaceous siltstone, silty shale, and minor cross-laminated, micaceous quartz sandstone.

**MISSISSIPPIAN**
KENO HILL QUARTZITE

Mq — Dark grey weathering, massive, to very thick bedded vitreous quartz arenite and minor black slate.

**(?)CAMBRIAN, (?)ORDOVICIAN, (?)SILURIAN, AND (?)DEVONIAN**

Pd — Dark green weathering diorite and massive greenstone sills; presumably feeders to Paleozoic volcanics.

**(?)ORDOVICIAN, (?)SILURIAN, AND (?)DEVONIAN**

OSDv — Dark green weathering mafic flows and hyaloclastic breccias. May include more than one age.

**ORDOVICIAN, (?)SILURIAN, AND (?)DEVONIAN**
ROAD RIVER GROUP

OSDR4 — Thick to very thick bedded bioturbated grey chert.

OSDR3 — Recessive, olive-green weathering slate, interbedded with variable amounts of brown weathering thin bedded chert, and minor silver-blue weathering siliceous shale.

**CAMBRIAN**

Cp — Recessive, drab, brown weathering dull grey and greenish grey thinly laminated siltstone and bioturbated shale.

Cpl — Buff weathering dark grey-brown shale, thin bedded buff sandy limestone, calcareous quartz sandstone, limestone conglomerate.

Cps — Dark grey and greenish grey phyllite, quartz sandstone and arenite.

Cv — Resistant, dark green mafic volcanic flows, tuffs and hyalocalstic breccias.

**LATE PROTEROZOIC AND LOWER CAMBRIAN**
HYLAND GROUP

PCHp — Maroon,green, and grey shale, with lesser amounts of quartz sandstone and quartzofeldspathic grit.

PCHl — Resistant light grey weathering limestone. Varies from thin bedded with green shale partings to thick bedded to massive. Black fetid limestone and thick beds of chert occur with the light grey limestone. Brown weathering sandy limestone.

PCHs — Dull grey-brown weathering quartzofeldspathic grit, quartz sandstone and arenite with lesser amounts of interbedded dark grey phyllite and minor maroon and green phyllite.

### "SHELF SEQUENCE" NORTH OF DAWSON THRUST

**DEVONIAN AND (?) MISSISSIPPIAN**
EARN GROUP

DME — Poorly exposed light brown to blue weathering chert, silver-blue siliceous shale, black shale, sandstone and minor chert grit.

**(?)CAMBRIAN, (?)ORDOVICIAN, (?)SILURIAN, AND (?)DEVONIAN**

Pd — Dark green weathering diorite and massive greenstone sills; presumably feeders to Paleozoic volcanics.

**(?)ORDOVICIAN, (?)SILURIAN, AND (?)DEVONIAN**

OSDv — Dark green weathering mafic flows and hyaloclastic breccias. May include more than one age.

ROAD RIVER GROUP

OSDR2 — Dark blue weathering, graptolitic, siliceous shale and chert. May include Devonian Earn Group.

**(?)CAMBRIAN, ORDOVICIAN, AND (?)SILURIAN**

OSc — Massive, light bluish grey weathering dolomite.

angular unconformity

**LATE PROTEROZOIC**
WINDERMERE SUPERGROUP

PW1 — Orange to dark grey weatherng diamictite comprised of angular to rounded clasts of quartzite and grey dolomite up to 30 cm across, but generally pebble-sized or smaller, suspended in a matrix of orange weathering dolomite, silty dolomite and lesser grey shale. Some interbeds of orange weathering thinly laminated rythmites.

angular unconformity

(?)MIDDLE OR LATE PROTEROZOIC
FIFTEEN MILE GROUP

PF4 — Resistant, light creamy grey weathering, well bedded dolomite. Stromatolites, oolites, and lenses of grey to black chert common.

PF3 — Dark brown to rusty weathering thinly laminated to thick bedded quartzite, dark grey to greenish grey shale, quartz sandstone, minor orange dolomite. In southern thrust panel, abundant conglomerate with clasts of both Gillespie and Fifteenmile Groups in a buff dolomite matrix.

PF2 — Buff weathering thin bedded, cream weathering limestone, thick bedded, cream weathering dolomite.

PF1 — Lower member: Maroon , green, and brown weathering shale interbedded with thin to thick beds of maroon quartz sandstone. Middle member: Massive grey weathering orthoquartzite. Upper member: maroon shale.

angular unconformity

MIDDLE PROTEROZOIC

Pd — Massive diorite sills and dykes. Only intrude the Wernecke Supergroup.

WERNECKE SUPERGROUP
QUARTET GROUP

PQ — Black shale, siltstone and sandstone. Finely laminated brown and green weathering silty shale near top of sequence.

### SYMBOLS

- Limit of outcrop
- Geological boundary (defined, approximate, assumed, covered)
- Bedding (inclined, horizontal, tops unknown)
- Foliation(inclined, vertical)
- Minor fold axis showing directionof plunge
- Anticline
- Syncline
- Thrust fault (defined, approximate, assumed, covered)
- Normal fault (defined, approximate)
- Gossan — G×
- Fossil locality — Ⓕ

**MINERAL OCCURRENCES***

* 22. SHINE (work target)

*These mineral occurrences are described in YUKON MINFILE. Symbols are from YuKon Exploration 1989.

**This map accompanies the following map and report:**
Abbott, G., 1993. Geological map of map area(116A/10), southeastern Ogilvie Mountains, Yukon Territory. Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, Open File 1993-7 (G).

Abbott, G. 1993. Revised stratigraphyu and new exploration targets in the Hart River Area, southern Ogilvie Mountains. In: Yukon Exploration and Geology, 1992, Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, p. 19-28.

**Recommended citation:**
Abbott, G. and Roots, C. F., 1993. Geological map of Two Beaver map area (116A/11), southeastern Ogilvie Moutains, Yukon Territory. Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, Open File 1993-7 (G)

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Copies of this map, Yukon MINFILE, and Yukon Exploration and Geology may be obtained from the Canada Map Office, Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, 200 Range Road, Whitehorse, Yukon, Y1A 3V1 (Ph. 403-667-3204).

The 1972 MAGNETIC BEARING is 35°12' (626 mils) EAST of GRID NORTH

ANNUAL CHANGE DECREASING 4.2'

GRID NORTH is 2°02' (36 mils) WEST of TRUE NORTH for centre of map

# TWO BEAVER LAKE

## YUKON TERRITORY

Scale 1:50,000 Échelle

Miles 1 0 1 2 3 Milles
Metres 1000 0 1000 2000 3000 4000 Mètres
Yards 1000 0 1000 2000 3000 4000 Yards

CONVERSION SCALE FOR ELEVATIONS
ÉCHELLE DE CONVERSION DES ÉLÉVATIONS

Metres 30 20 10 0 50 100 150 200 250 300 Mètres
Feet 100 50 0 100 200 300 400 500 600 700 800 900 1000 Pieds

PRODUCED BY SURVEYS AND MAPPING BRANCH, DEPARTMENT OF ENERGY, MINES AND RESOURCES, OTTAWA, 1970
CONTOUR INTERVAL 100 FEET

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THIS MAP WAS COMPARED WITH SATELLITE IMAGERY OBTAINED IN 1981 AND FOUND TO BE UP-TO-DATE IN ALL MAJOR FEATURES

| | | |
|---|---|---|
| 116 A/13 | 116 A/14 | 116 A/15 |
| 116 A/12 | 116 A/11 | 116 A/10 |
| 116 A/5 | 116 A/6 | 116 A/7 |

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

**Open File 1993-8(G)**

**GEOLOGICAL MAP OF TWO BEAVER LAKE MAP AREA (116A/11), SOUTHEASTERN OGILVIE MOUNTAINS, YUKON TERRITORY**

by
Grant Abbott
Exploration and Geological Services Division
and
Charlie Roots
Geological Survey of Canada