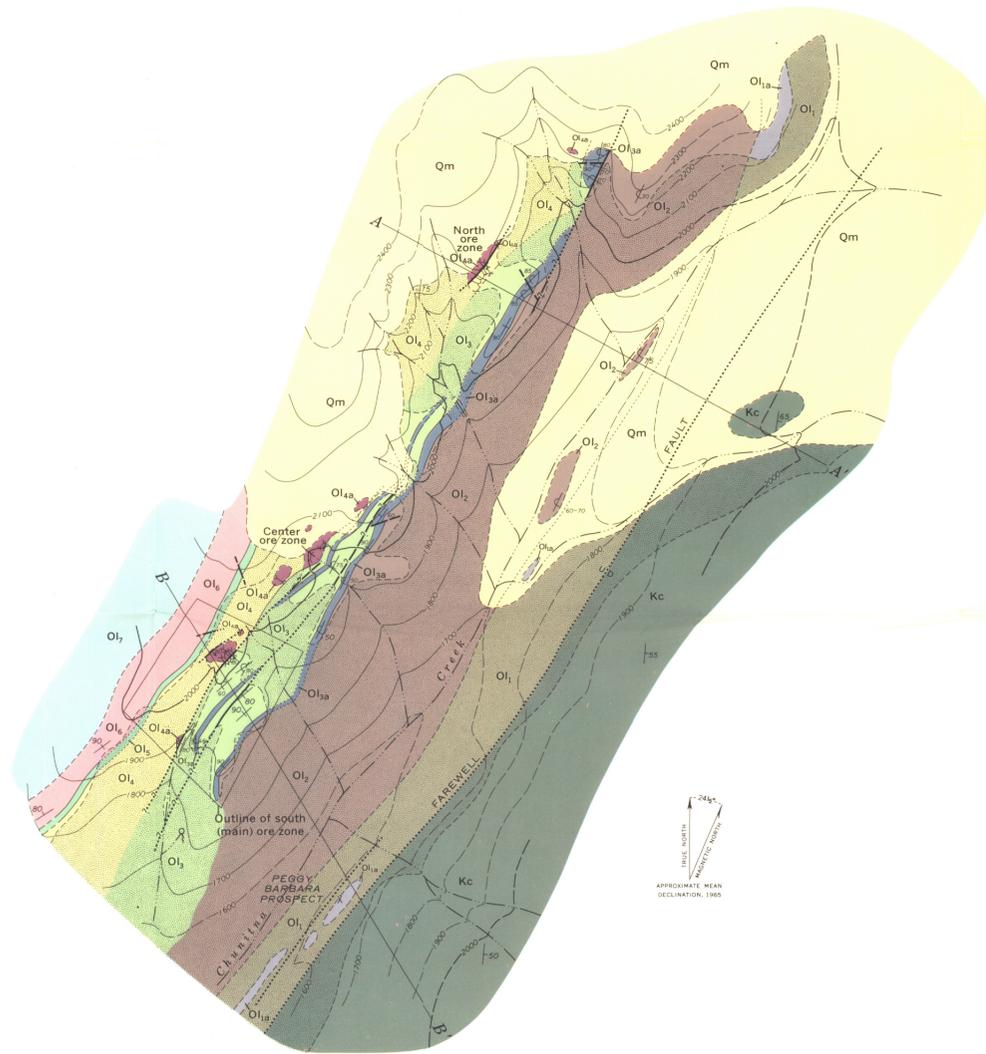
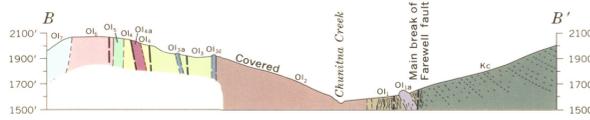
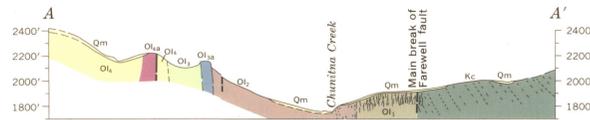


Topography from planetable survey by C. M. Taylor and C. L. Sainsbury, 1959



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MAIN PROSPECT AREA
CONTOUR INTERVAL 100 FEET
DATUM IS MEAN SEA LEVEL

EXPLANATION

Unconsolidated deposits
Include regolith, thin glacial moraine, and tundra. Shown by stipple overprint on KC through OI units of map of main prospect area

Qm

Morainal deposits

Include both ground moraine and outwash gravels of two distinct glacial stages and moderately reworked moraine where sufficiently thick to completely mantle bedrock

Tm

Mafic dike rock
Showing dip. Includes diabase and silica-carbonate rock derived from alteration of diabase. Fault dashes show that dikes were injected along faults

TKg

Granite
Medium-grained biotite granite

Kc

Conglomerate

Pebble conglomerate, with high percentage of vein-quartz pebbles, and interbedded red-weathering siltstone. Grain size decreases upward; uppermost part includes abundant beds of coarse sandstone. May be correlative with Cantwell Formation

SI

Limestone and dolomite
At base consists of gray limestone in beds averaging more than 18 inches thick and weathering gray white. Fossils include corals and stromatopora. Grades upward to massive cliff-forming gray-white to pinkish dense fine-grained dolomite and limestone. Fossils include branching bryozoa and stromatopora. Dolomite has distinct sugary texture

UNCONFORMITY(?) OR FAULT

O₇

Unit 7
Dense fine-grained gray-black to black platy limestone with thin argillaceous and sandy beds. Weathers gray white

O₆

Unit 6
Interbedded sandy shale with limestone lenses, thin-bedded, laminated sandstone partly calcareous, and platy limestone

O₅

Unit 5
Gray-black to black thin-bedded siliceous siltstone and chert

O_{4a}
O₄

Unit 4
Thin-bedded limestone, argillaceous limestone, and minor gray-black shale. O_{4a}, dolomitized and (or) silicified limestone

O_{3a}
O₃

Unit 3
Thin-bedded fine-grained quartzofeldspathic sandstone, usually calcareous; thin-bedded penconemporaneously deformed argillaceous limestone; and minor green chert and red and black shale

O_{2a}
O₂

Unit 2
Includes thin-bedded grayish-black fine-grained limestone, argillaceous limestone, and dark calcareous shale in thin interbeds about 1 inch in thickness; some limestone beds contain clear quartz fragments. Weathers to limonitic color and gives red soil

O_{1a}
O₁

Unit 1
Deformed thin-bedded calcareous sandstone, sandy limestone, and argillaceous limestone. O_{1a}, deformed and shattered dense fine-grained gray-black limestone cut by quartz and calcite veinlets

O₁

Limestone and argillaceous limestone

Middle(?) Ordovician

At base includes thin-bedded calcareous sandstone, sandy limestone, argillaceous limestone, shale and thin units of dense gray-black limestone. Grades upward through interbedded gray-black platy limestone, argillaceous limestone and sandy limestone into thick section of dense, fine-grained platy limestone with discoidal lenses of sandy or cherty limestone less than 1 inch thick. At top, beds average 3 inches thick. Stippling indicates rocks are thermally metamorphosed; triangles indicate rock is breccia consisting of silicified and (or) dolomitized limestone or marble containing deep-red limonite and, locally, tectonic boulders of mafic dike rock. Entire sequence of rocks probably is correlative with part of the Tatina Group of Ordovician and Silurian(?) age described by Brooks (1911, p. 69-73)

ORDOVICIAN

Contact
Dashed where gradational or inferred; dotted where concealed

Fault
Showing dip. Dashed where approximately located; short dashed where inferred; dotted where concealed; queried where probable or doubtful. U, upthrown side; D, downthrown side

Syncline
Showing approximate trace of axial plane and direction of plunge of axis. Short dashed where inferred; dotted where concealed

Anticline
Showing approximate trace of axial plane and direction of plunge of axis. Short dashed where inferred; dotted where concealed

Inclined Vertical Overturned Amount of dip unknown
Strike and dip of beds

Horizontal beds

Cinnabar prospect
Placer cinnabar

Prospect trench or pit

Open Closed
Trench or pit in bedrock

Mineral spring