CANADA

DEPARTMENT OF MINES AND RESOURCES

MINES, FORESTS AND SCIENTIFIC SERVICES BRANCH

GEOLOGICAL SURVEY OF CANADA

LEGEND

CENOZOIC

TERTIARY

POST-PALEOCENE (?)

16 — *Shale, sandstone, conglomerate, and coal*

CRETACEOUS OR TERTIARY

UPPER CRETACEOUS OR PALEOCENE

SUSTUT GROUP

15 — *SIFTON FORMATION: conglomerate; relation to 16 not known*

CRETACEOUS

LOWER CRETACEOUS

14 — *USLIKA FORMATION: conglomerate, minor argillite*

MESOZOIC

JURASSIC OR CRETACEOUS

UPPER JURASSIC OR LOWER CRETACEOUS

OMINECA INTRUSIONS (11, 12, 13)

13v — *Granodiorite, in part gneissic; quartz diorite, quartz monzonite, granite; minor syenite, diorite, and gabbro*

12 — *Diorite, in part gneissic; appinite, monzonite, gabbro; minor hornblendite, granodiorite. May be in part of same age as 9*

11 — *Hornblendite and pyroxenite. May be in part of same age as 9*

TRIASSIC AND JURASSIC

UPPER TRIASSIC AND LATER

TAKLA GROUP

10 — *Andesitic flows and breccias, basalt, tuff, agglomerate; shale, conglomerate, limestone*

PERMIAN (?) AND/OR LATER

POST-MIDDLE PERMIAN, PRE-UPPER TRIASSIC (?)

TREMBLEUR INTRUSIONS (?)

9 — *Pyroxenite, hornblendite; minor peridotite, dunite, and serpentine; 9a, gabbro and diorite. May be post-Takla*

PENNSYLVANIAN (?) AND PERMIAN

CACHE CREEK GROUP (6, 7)

7 — *Andesitic and basaltic flows, tuffs, and breccias; agglomerate; minor argillite, slate, and chert*

6 — *Argillite, slate, ribbon chert, greenstone; minor tuff, limestone*

POST-LOWER CAMBRIAN

8 — *Tuff, andesitic flows, argillite, sandstone, limestone, conglomerate*

CAMBRIAN

LOWER CAMBRIAN

INGENIKA GROUP (2, 3, 4)

PALAEOZOIC

4 — *Limestone, in part micaceous; interbedded with 2*

3 — *White quartzite; interbedded with 2*

2 — *Quartz-chlorite schist, sericite schist, quartzite, slate, phyllite, quartzitic conglomerate; minor limestone*

5 — *Feldspathic quartzite, granitoid gneiss, quartz-mica-feldspar schist; minor chloritoid schist, skarn; pegmatite (Metamorphosed and granitized equivalents of 2, 3, and 4)*

PROTEROZOIC

RUBY GROUP

1, 1A — *Quartz-mica schist, quartzite, garnetiferous schist 1A, feldspathic quartzite, granitoid gneiss, quartz-mica-feldspar schist, minor pegmatite (Metamorphosed and granitized equivalents of 1)*

A — *Granodiorite, aplite, dacite, feldspar porphyry, granite. Post-Lower Cambrian; may include rocks of several ages*

Heavily drift-covered area

Bedding (horizontal, inclined, vertical, overturned)

Anticlinal axis

Synclinal axis

Fault, fault zone, shear zone

Fossil locality — (F)

Mineral occurrence — × Au

Geology by J. E. Armstrong, 1945; E. F. Roots, 1946, 1947

Trail

Glacier — Gl.

Contours (Interval 500 Feet) — 5000

PROSPECTS AND MINERAL SHOWINGS

1 Ingenika group
2 Ferguson group
3 Onward group
4 Burden group
5 Swannell group
6 Porphyry Creek workings
7 Croydon group
8 Granite Basin group
9 Halquinn group
10 Red Dyke group
11 Jupiter group
12 Polaris group
13 Hope group
14 Stranger group
15 Chief Thomas showings
16 Elizabeth group
17 Matetlo copper showings
18 Pluto group
19 Thane group
20 Vega group
21 Ruby group
22 Beverley group
23 Weber group

MINERAL SYMBOLS

Gold . . . . . *Au*
Gold (placer) . . . . . *Au(P)*
Copper . . . . . *Cu*
Lead . . . . . *Pb*
Silver . . . . . *Ag*
Potasium nitrate and related salts . . . . . *K*
Coal . . . . . *C*

PRELIMINARY MAP 48-5A

AIKEN LAKE

CASSIAR DISTRICT

BRITISH COLUMBIA

Scale: 1 inch to 2 miles

2 1 0 2 4 6

SURVEYED BY THE TOPOGRAPHICAL SURVEY.
CARTOGRAPHY BY THE
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