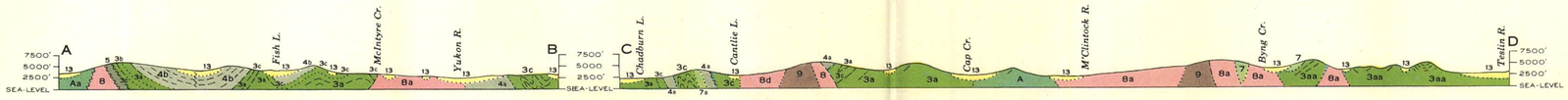
GEOLOGICAL SURVEY OF CANADA
DEPARTMENT OF MINES AND TECHNICAL SURVEYS

CYPRUS MINES CORPORATION



Sections along lines A-B and C-D

SHEET 105 D

LEGEND

CENOZOIC

QUATERNARY

- **13** — *Alluvium, glacial deposits, volcanic ash, loess*
- **12** — *MILES CANYON BASALT:* basalt, minor pyroclastic rocks

TERTIARY OR EARLIER

- **11** — *Granite porphyry, rhyolite*

MESOZOIC

SKUKUM GROUP

- **10** — *Andesite, basalt, rhyolite, and trachyte breccias, tuffs, and flows, 'granitic agglomerate'; minor greywacke*
- **9** — *Pink quartz monzonite*

CRETACEOUS

COAST INTRUSIONS

- **8** — *Granodiorite, granite, quartz monzonite, quartz diorite, and allied rocks;* **8a**, *hornblende-biotite-oligoclase granodiorite;* **8b**, *leucocratic granite, biotite granite;* **8c**, *biotite-hornblende quartz diorite;* **8d**, *hornblende diorite;* **8e**, *gneissic 'porphyritic' granodiorite;* **8f**, *shattered granodiorite and 'granitic breccia';* **8g**, *pegmatitic syenite*

HUTSHI GROUP

- **7** — *Basalt, andesite, quartz latite, and rhyolite flows, breccias, and tuffs; conglomerate; minor greywacke and argillite;* **7a**, *basalt dyke;* **7b**, *altered volcanic rocks probably belonging to Hutshi group*
- **6** — *Peridotite, dunite, serpentinite, pyroxenite*

JURASSIC (?) AND CRETACEOUS
UPPER JURASSIC (?) AND LOWER CRETACEOUS

- **5** — *TANTALUS FORMATION:* arkose, siltstone, conglomerate, argillite, coal

JURASSIC
LOWER JURASSIC AND LATER
LABERGE GROUP

- **4** — **4a**, *greywacke, arkose, quartzite, conglomerate, siltstone, argillite, hornfels;* **4b**, *mainly conglomerate*

TRIASSIC
UPPER TRIASSIC
LEWES RIVER GROUP

- **3** — **3a**, *greywacke, siltstone, argillite, conglomerate, and tuffaceous equivalents;* **3aa**, *includes Jurassic rocks;* **3b**, *andesite, basalt flows and associated pyroclastic rocks;* **3c**, *limestone, limestone breccia;* **3d**, *metamorphosed rocks probably belonging to Lewes River group*

PALÆOZOIC

PENNSYLVANIAN (?) AND PERMIAN
TAKU GROUP

- **2** — **2a**, *mainly chert;* **2b**, *greenstone flows and pyroclastic rocks;* **2c**, *limestone, limestone breccia;* **2d**, *metamorphosed volcanic rocks, probably belonging to Taku group;* **2ds**, *metamorphosed volcanic rocks containing numerous serpentine bodies*

PRECAMBRIAN AND LATER

YUKON GROUP

- **1** — **1a**, *Quartz-mica, quartz-chlorite, and mica schists; quartzite, micaceous quartzite, gneiss, and amphibolite;* **1b**, *feldspathic gneiss, gneissic granitic rocks, lit-par-lit gneiss;* **1c**, *crystalline limestone*

- **A** — *Volcanic rocks of uncertain age;* **Aa**, *metamorphosed volcanic rocks*

Bedding (horizontal, inclined, vertical, overturned)
Bedding (dip known, top of bed unknown)
Schistosity, gneissosity (inclined, vertical)
Slaty cleavage (inclined, vertical)
Fault (defined, approximate, assumed)
Anticlinal axis (arrow indicates direction of plunge)
Synclinal axis (arrow indicates direction of plunge)
Fossil locality 23
Mine 15
Mineral occurrence 16
Placer deposit x

SYMBOLS FOR METALS AND MINERALS

Antimony	Sb	*Gold*	Au
Coal	Coal	*Lead*	Pb
Copper	Cu	*Silver*	Ag
Fluorite	fl	*Zinc*	Zn

Geology by J. G. Fyles, 1946; J. R. Johnston, 1947; and J. O. Wheeler, 1948–1951

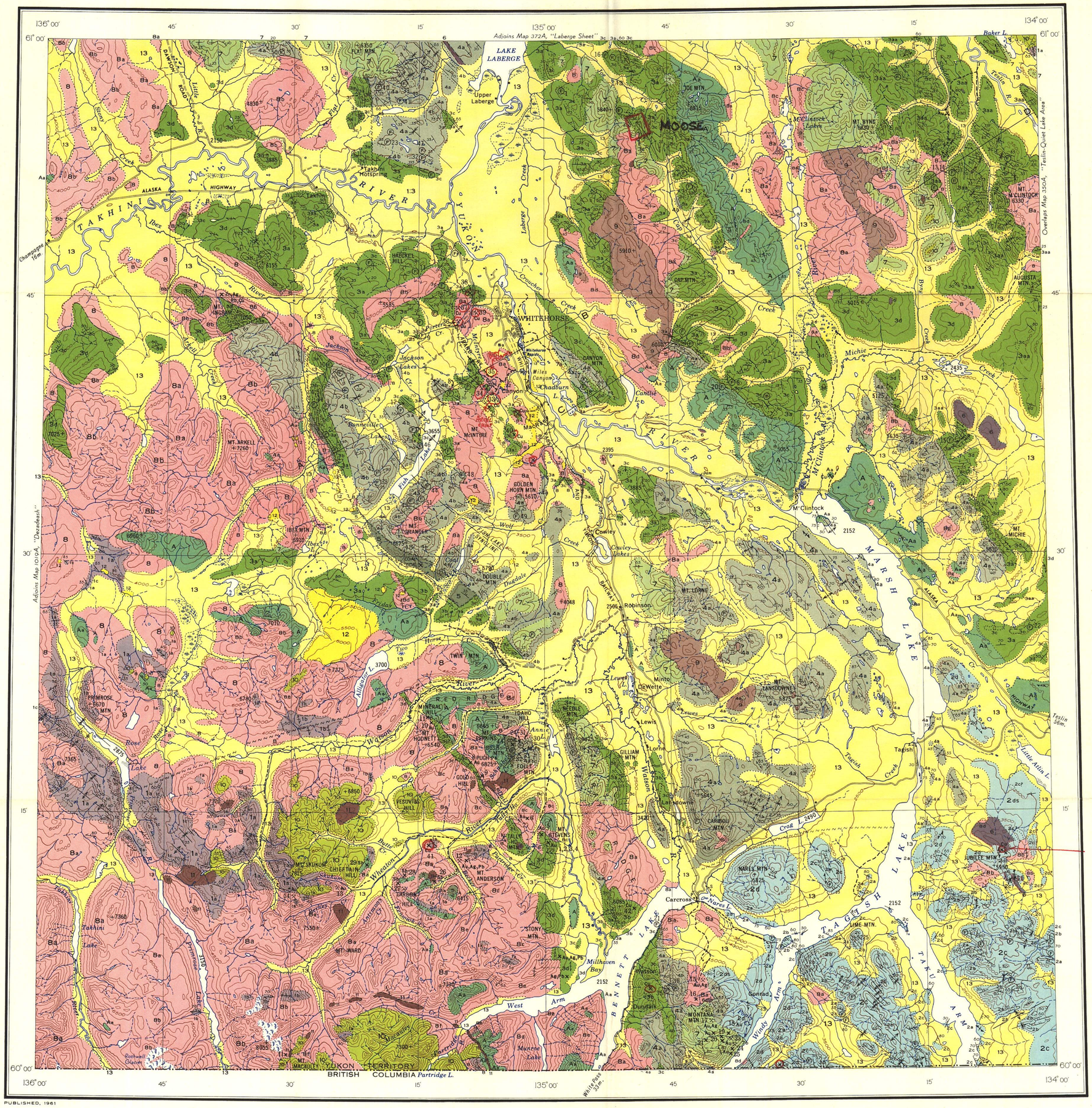
To accompany G.S.C. Memoir 312 by J. O. Wheeler

Approximate magnetic declination 31° 16' East

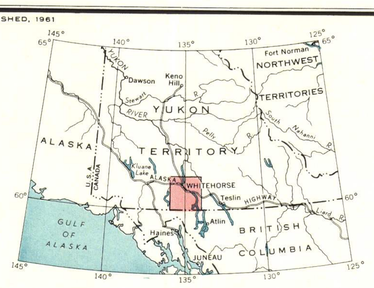
Base-map compiled by the Topographical Survey, 1947

Cartography by the Geological Survey of Canada, 1960

Air photographs covering this map-area may be obtained through the National Air Photographic Library, Topographical Survey, Ottawa, Ontario



PUBLISHED, 1961



INDEX MAP

MAP 1093A

GEOLOGY

WHITEHORSE

YUKON TERRITORY

Scale: One Inch to Four Miles = $\frac{1}{253,440}$

Miles 4 2 0 4 8 12

COPIES OF THIS MAP MAY BE OBTAINED FROM THE DIRECTOR, GEOLOGICAL SURVEY OF CANADA, OTTAWA

inches 0 1 2
centimetres 0 1 2 3 4 5

This reference scale bar has been added to the original image. It will scale at the same rate as the image, therefore it can be used as a reference for the original size.

YUKON GEOLOGICAL SURVEY

INDEX TO MINING PROPERTIES

Gold-Silver

1 Hawk Eye group
2 Acme claim
3 Midnight group
4 Hidden Ore group
5 Buffalo Hump group
6 Wheaton Mountain claims
7 Tally-Ho group
8 Gold Reef claim
9 Dail Creek claims
10 Lucky Boy claim
11 Legal Tender claim
12 Mount Anderson claims
13 Mount Reid claims
14 Mascot group
15 Big Thing mine
16 Jean claim
17 Montana mine
18 Joe Petty claim
19 Uranus claim
20 Thistle claim
21 Aurora claim
22 M and M claim
23 Vault mine
24 Venus mine
25 Dail and Fleming groups

Antimony-Silver

26 Becker-Cochran claims
27 Fleming claims
28 Goddell's claims
29 Chieftain Hill claims

Silver-Lead

30 Idaho Hill claims
31 Export group
32 Cariboo group

Copper

33 Arctic Chief mine
34 Grafter mine
35 Best Chance claim
36 Pueblo mine
37 War-Eagle claim
38 Anaconda claim
39 Copper King mine
40 Valerie mine
41 Fleming group
42 College Green claim

Coal

43 Whitehorse coal
44 Mount Bush coal

REFERENCE

Main highway
Other roads
Trail
Building
School ..... S
Post Office ..... P
Provincial boundary
Intermittent stream
Marsh
Sand or gravel
Glacier
Contours (interval 500 feet)
Contours (position approximate)
Height in feet above mean sea-level 2490

013525