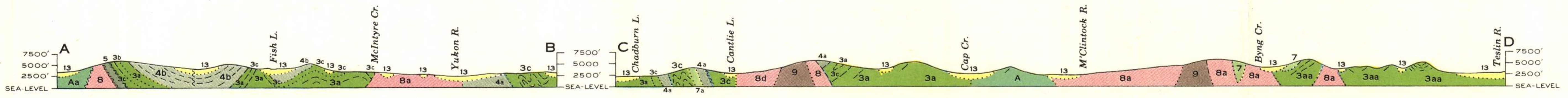
GEOLOGICAL SURVEY OF CANADA
DEPARTMENT OF MINES AND TECHNICAL SURVEYS



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*

SKUKUM GROUP

10 — *Andesite, basalt, rhyolite, and trachyte breccias, tuffs, and flows, 'granitic agglomerate'; minor greywacke*

9 — *Pink quartz monzonite*

MESOZOIC

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

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

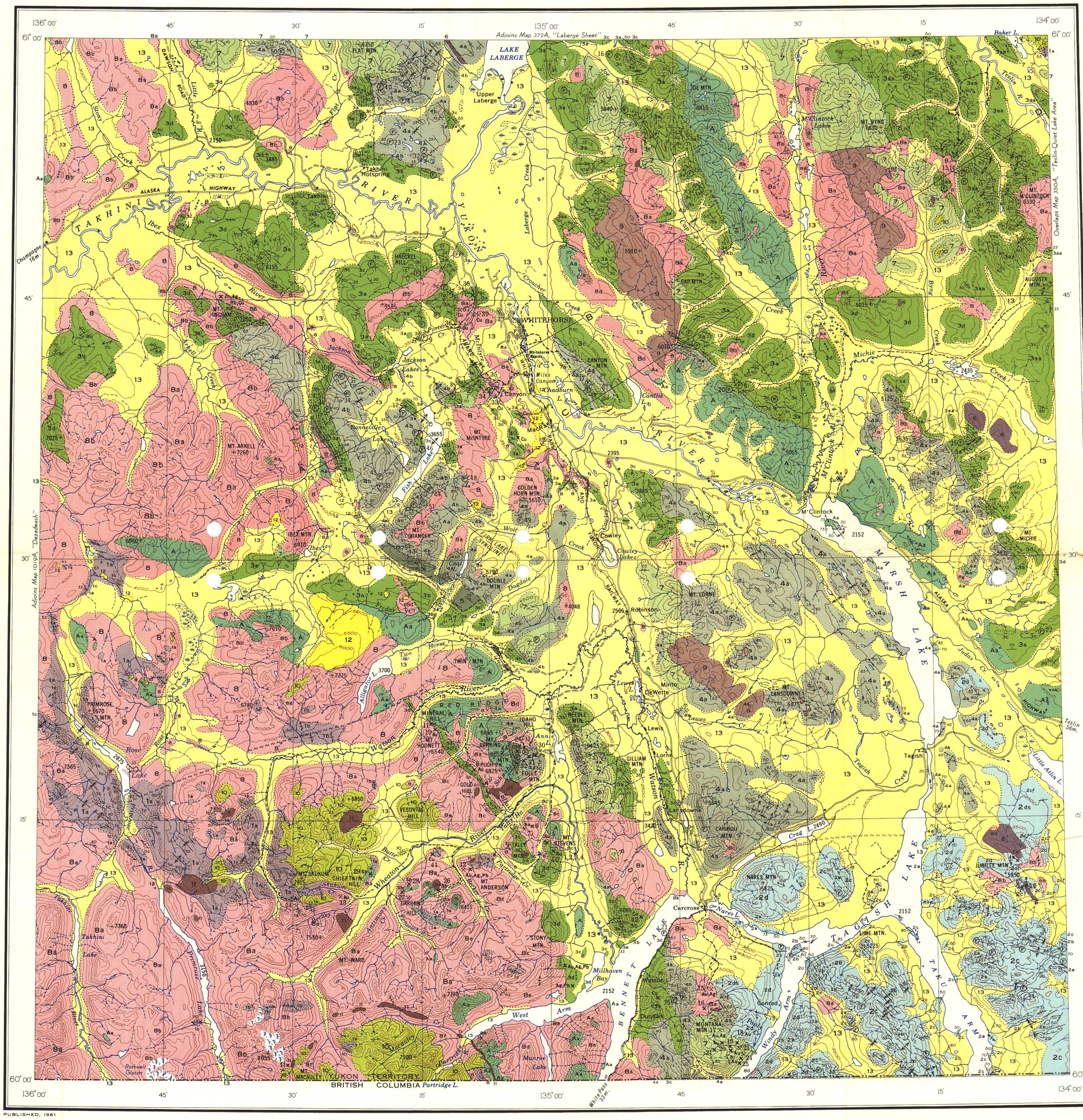
To accompany G.S.C. Memoir 312 by J. O. Wheeler

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 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 cl[illegible]
22 M and M claim
23 Vault mine
24 Venus mine
25 Dail and F[illegible]ing groups

Antimony-[illegible]ver
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

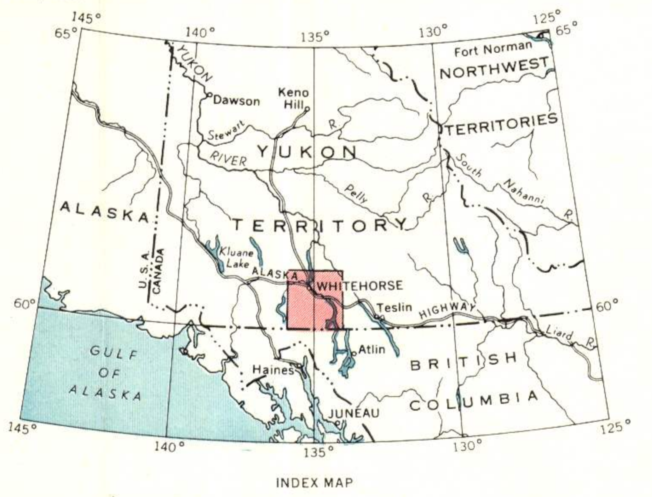
Copper
33 Arctic Chief mine
34 Grafter mine
35 Best Chance claim
36 Pueblo mine
37 War-Eagle claim
38 Anaconda claim
39 Copper King mine
40 Valerie mine
41 Fleming group
42 College Green claim

Coal
43 Whitehorse coal
44 Mount Bush coal

MAY 26/1966

Po DIKES 2-30 FT
MASS SULPH IN
WIDTH OF 1000 FT
IN MOST E. DIKE
DISSEM CUPY.
JOHNNY JOHNS &
BARRY O'NEIL
- ENGINEER CAMPBELL OF SOWSEY EXAMINED 1956
0.6% Cu.
- LIMESTONES ETC IN AREA.
- OLD CROWN GRANTS 1900 - IN AREA
- NOW OPEN - JOHNNY JOHNS.
- DEAL TAKE BARRY IN ON FINDERS FEE BASIS
- O'NEIL SAMPLE RAN SILVER
- CHECK FOR SCHEELITE
- SAY JUNE - EARLY AS POSSIBLE.
- CAN SEE IT FROM AIR.

EOC



inches
0 1 2
0 1 2 3 4 5
centimetres

YUKON GEOLOGICAL SURVEY

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.

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

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