

LEGEND

Note: Weighted legend blocks indicate map-units that appear on this map

CENOZOIC

- QUATERNARY**
- 25 Unconsolidated glacial and alluvial deposits
- TERTIARY**
- 24 Dark grey and brown andesite and basalt, commonly porphyritic; minor shale, sandstone, and conglomerate

- TERTIARY (?)**
- 23 Quartz porphyry

- CRETACEOUS (?) AND TERTIARY**
- UPPER CRETACEOUS (?) AND LATER**
- 22 22a, poorly consolidated, brown, buff, and grey, arkosic and micaceous sandstone, light and dark shale, poorly sorted conglomerate; minor lignite and agglomerate; 22b, brown weathering, thin-bedded, brown chert-grain sandstone, siltstone, shale, and fine chert-pebble conglomerate

- CRETACEOUS (?)**
- 21 21a, fine- to coarse-grained, uneven textured, biotite granodiorite and biotite quartz monzonite; 21b, mainly hornblende and hornblende/biotite syenite, commonly porphyritic (potassium feldspar phenocrysts), uneven textured, mostly medium grained, locally fine or coarse grained; minor diorite

- 20 Orange to brown weathering diorite and gabbro; altered equivalents

- JURASSIC**
- MIDDLE JURASSIC**
- 19 Brown weathering, thin-bedded, brown siltstone, commonly limy; minor black shale and sandstone

- TRIASSIC**
- UPPER TRIASSIC**
- 18 Black weathering, platy, black limy shale and limestone; thin bands of grey to buff weathering limestone

- PRE-MIDDLE JURASSIC**
- 17 Grey and blue-grey, massive quartzite; minor slate and phyllite, commonly graphitic, argillaceous quartzite; 17a, thin-bedded and phyllitic quartzite, graphitic and chloritic slate and phyllite; minor limestone and massive quartzite

- PERMIAN**
- 16 White, light grey, and dark grey chert, cherty limestone, and limestone

- POST DEVONIAN (?)**
- 14 Dark grey argillite, slate, and phyllite, commonly graphitic, thin-bedded dark grey quartzite, platy to phyllitic quartzite; minor phyllite and limy quartzite

- CARBONIFEROUS TO PERMIAN**
- 15 Buff weathering, dark grey, thin- to medium-bedded limestone; minor black shale, chert, and chert-pebble conglomerate; 15a, dark shale, argillaceous limestone, and thin-bedded brown sandstone; minor chert-pebble conglomerate; 15b, black and silvery weathering shale and slate; minor platy, buff weathering grey limestone, impure sandstone

- DEVONIAN TO CARBONIFEROUS**
- MIDDLE DEVONIAN TO CARBONIFEROUS**
- 13 Black shale, argillite, and slate, black platy limestone, chert; minor chert-pebble conglomerate and quartzite; 13a, brown weathering fine chert-pebble conglomerate and chert-grain sandstone

- DEVONIAN**
- LOWER MIDDLE DEVONIAN**
- 11 Limestone, dark grey, brown and black, massive to thin-bedded, very fine grained, buff grey weathering

- SILURIAN (?) TO MIDDLE DEVONIAN**
- 12 Dark grey weathering, black, thin-bedded, platy limestone, commonly argillaceous and locally siliceous, and interbedded black chert

- CAMBRIAN, ORDOVICIAN, AND SILURIAN**
- 8 Grey and buff weathering dolomite and limestone, mostly medium to thick bedded; minor platy black argillaceous limestone and dolomite (may include some 10 and 11); 8a, grey to dark grey weathering, dark volcanic rocks, many partly serpentinized, brown weathering grey-green limy tuff and argillite, and thin-bedded brown limestone

- ORDOVICIAN AND SILURIAN**
- 9 Mainly interbedded black chert and black argillite, also grey-green, olive green, and grey chert and grey-green argillite, minor quartzite, and chert-pebble conglomerate

- CAMBRIAN**
- MIDDLE (?) AND UPPER CAMBRIAN**
- 7 Buff, brown, and grey weathering, thin- to medium-bedded, limestone, and grey weathering thin- to thick-bedded, dolomite; minor brown and green shale and orange weathering dolomite

- LOWER (?) CAMBRIAN TO ORDOVICIAN (?)**
- 6 Grey weathering, brown to buff limestone and conglomerate; 6a, grey weathering, medium- to thick-bedded limestone and dolomite (may include some Precambrian)

- CAMBRIAN (?)**
- 5 Mainly brick red, thick-bedded to massive sandstone and red to buff massive conglomerate; minor red shale; local andesitic or basaltic flows and sills

- PRECAMBRIAN AND/OR LATER**
- 4 Dark brown and green to light grey weathering dark green volcanic rocks, commonly with calcite filled vesicles, breccias, tuff, and agglomerate; minor interbedded shale, chert, siltstone, and limestone; 4a, dark brown to dark green weathering dark green volcanic rocks, commonly with calcite filled vesicles, breccia, tuff, and agglomerate. Interbedded with 2b and may be older; 4b, dark green, fine-grained andesite

- PRECAMBRIAN AND/OR CAMBRIAN**
- 3 Mainly buff, brown, and rusty weathering, gritty quartzite, sandstone and quartz-pebble conglomerate; black, maroon and green shales, and slates; schistose quartzite, quartz chlorite schist, quartz-mica schist and phyllite; minor limestone and black chert 3a, thin- to medium-bedded, dark grey limestone

- Geological boundary (defined, approximate and assumed) . . . . .
- Bedding (horizontal, inclined, vertical) . . . . .
- Bedding, tops unknown (dip known) . . . . .
- Bedding, estimated attitudes, may in part be of foliation; horizontal, inclined (dip: g, gentle; m, medium; s, steep) . . . . .
- Foliation (horizontal, inclined, vertical) . . . . .
- Fault (defined, approximate, assumed) . . . . .
- Thrust fault (teeth in direction of dip; defined, approximate or assumed) . . . . .
- Anticline (defined, approximate) . . . . .
- Anticline and syncline (overturned) . . . . .
- Syncline (defined, approximate) . . . . .
- Fossil locality . . . . .
- Mineral prospect or occurrence . . . . . X Fe

**MINERAL SYMBOLS**

Antimony . . . . . Sb	Lead . . . . . Pb
Asbestos . . . . . asb	Silver . . . . . Ag
Gold placer . . . . . Au	Zinc . . . . . Zn
Iron . . . . . Fe	

Geology by L. H. Green and J. A. Roddick. 1961

Cartography by the Geological Survey of Canada, 1962

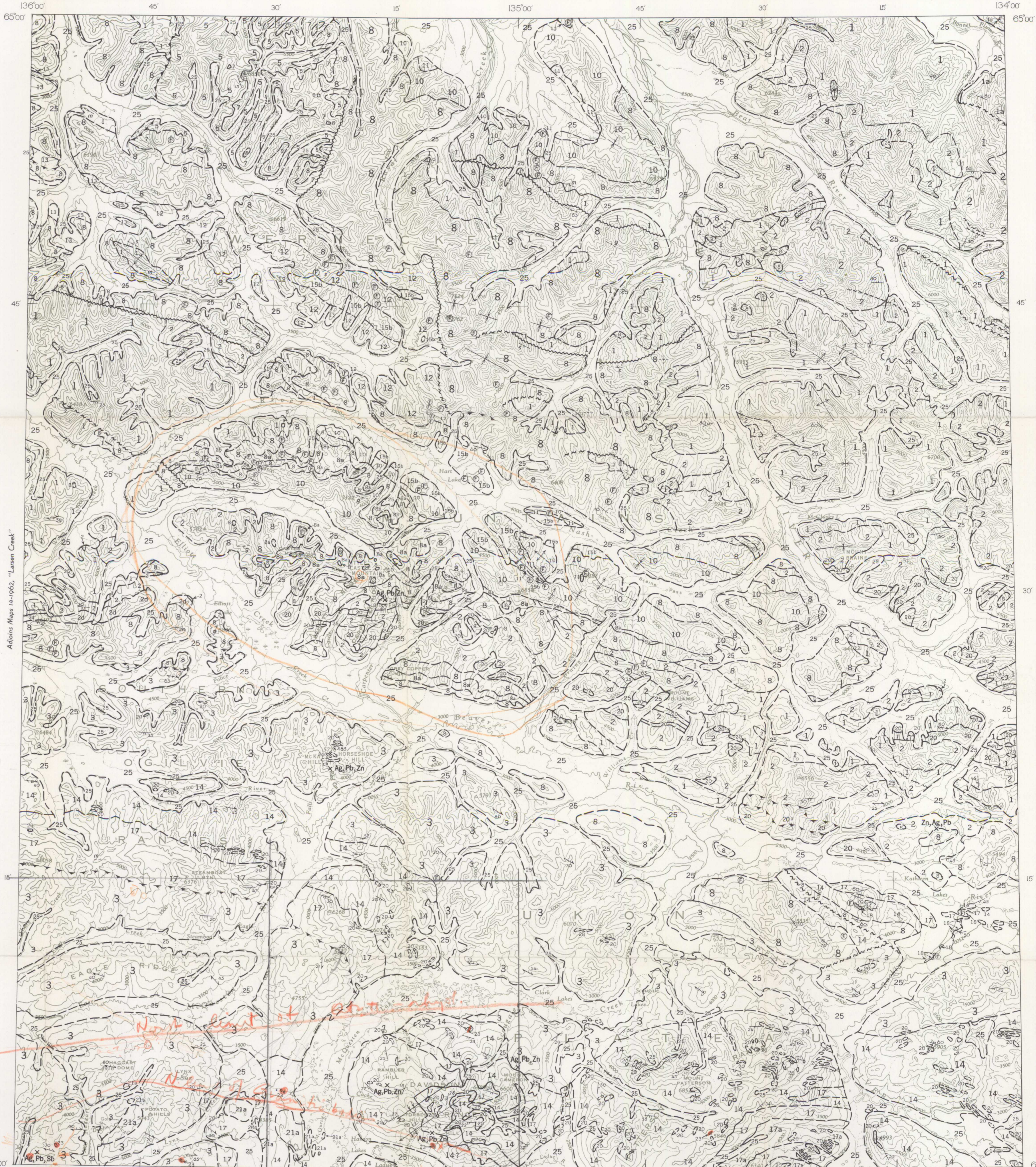
Mean magnetic declination, 34° 21' East, decreasing 4.5' annually. Readings vary from 33° 44' E in the SW corner to 35° 09' E in the NE corner of the map area



GEOLOGICAL SURVEY OF CANADA  
DEPARTMENT OF MINES AND TECHNICAL SURVEYS

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PRELIMINARY SERIES



Adkins Map 11-1962, "Lassen Creek"

15-1962  
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LEGEND

Horizontal control point . . . . .

Intermittent stream . . . . .

Marsh . . . . .

Contours (interval 500 feet) . . . . .

Height in feet above mean sea-level . . . . .

Base-map by the Surveys and Mapping Branch, 1958

Geographical names subject to revision

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MAP 15-1962  
NASH CREEK  
YUKON TERRITORY

INDEX MAP

Scale: One Inch to Four Miles = 1/253,440 Miles

4 2 0 4 8 12

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