115 G & 115 F (E½) | 1:250,000 | CANADA | EDITION 1 | Refer to this map as: 115 G & F (E½) EDITION 1 ASE SERIES A 502 | 115 G & 115 F (E½)

MINERAL SHOWINGS LOCATION MAP

LEGEND :

LODE DEPOSITS

- MINERAL PRODUCER (PAST, PRESENT OR FUTURE)
- PROSPECT
- MINERAL OCCURRENCE (SMALL OR NO INFORMATION AVAILABLE)

COLOR CODE :

- GOLD
- SILVER
- COPPER
- LEAD
- ZINC
- TUNGSTEN
- MOLYBDENUM
- IRON
- BARITE
- NICKEL
- ASBESTOS

PLACER DEPOSITS

- GOLD
- TIN

THE DECLINATION OF THE COMPASS NEEDLE 1960
DÉCLINAISON MAGNÉTIQUE EN 1960

The declination of the compass needle is decreasing 2.7 minutes annually.
La déclinaison magnétique décroit de 2.7 minutes annuellement

inches 0 1 2 3 4 5
centimetres 0 1 2 3 4 5

YUKON GEOLOGICAL SURVEY

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

Produced and Printed by the SURVEYS AND MAPPING BRANCH, DEPARTMENT OF MINES AND TECHNICAL SURVEYS, 1961 from air photographs taken from 1947 to 1951.

Road: hard surface, all weather ... pavé, toute saison ... more than 2 lanes plus 2 lanes or more / 2 lanes / less than 2 lanes
loose surface, all weather ... de gravier, toute saison ... 2 lanes or more / less than 2 lanes / more than 2 lanes
wagon, cart track ... chemin de terre ... trail or portage ... sentier ou portage ... dry weather / période sèche
Railway, normal gauge ... Chemin de fer, écartement normal ... station / gare ... multiple track / voie multiple ... trestle / pont de bois ... single track / voie unique ... tunnel / tunnel
Depression contours ... Courbes de cuvette ... 2000
Spot elevation, in feet ... Repère de nivellement en pieds ... 2550
Power transmission line ... Ligne de transport d'énergie

KLUANE LAKE

YUKON TERRITORY

Scale 1:250,000 Échelle

Miles 5 0 5 10 15 20 Miles
Kilometres 5 0 5 10 15 20 25 30 Kilometres

Transverse Mercator Projection
North American Datum 1927
Contour Interval 500 feet
Elevations in feet above Mean Sea Level

Établie et imprimée par la DIRECTION DES LEVÉS ET DE LA CARTOGRAPHIE, MINISTÈRE DES MINES ET DES RELEVÉS TECHNIQUES, en 1961, d'après les photographies aériennes prises de 1947 à 1951.

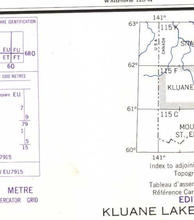
Projection Transverse de Mercator
Réseau géodésique nord-américain unifié 1927
Equidistance des courbes: 500 pieds
Elévations en pieds au-dessus du niveau moyen de la mer

Town ... Ville ... Stream intermittent or dry ... Cours d'eau intermittent ou à sec
Village or Settlement ... Village ou hameau ... C ... Intermittent lake ... Lac intermittent
Post office ... Bureau de poste ... P ... Rapids; falls ... Rapides; chutes
Church ... Eglise ... Marsh or swamp ... Marais ou marécage
School ... École ... L ... Lighthouse ... Phare
Boundary monument ... Borne frontière ... Airport ... Aéroport
Horizontal control point ... Point géodésique ... Debris covered ice ... Glace couverte de débris

GRID ZONE DESIGNATION 7V
100,000 M. SQUARE IDENTIFICATION: EU ET FU / 680 / 50 60

TO GIVE A REFERENCE TO NEAREST 1000 METRES
EXAMPLE — MINE
SQUARE. Read letters of 100,000 m. square EU
EASTING. Read number on grid line immediately to left of point. Estimate tenths of a square from this line eastward to point. 79
NORTHING. Read number on grid line immediately below point. Estimate tenths of a square from this line northward to point. 15
MILITARY GRID REFERENCE (to nearest 1,000 metres) EU7915
If nearing beyond 18° in any direction, prefix Grid Zone Designation as 7V EU7915

TEN THOUSAND METRE UNIVERSAL TRANSVERSE MERCATOR GRID ZONE 7



Index to adjoining sheets of National Topographic System
Tableau d'assemblage du Système de Référence Cartographique National

EDITION 1
KLUANE LAKE 115G & 115F (E½)

115 G & 115 F (E½)

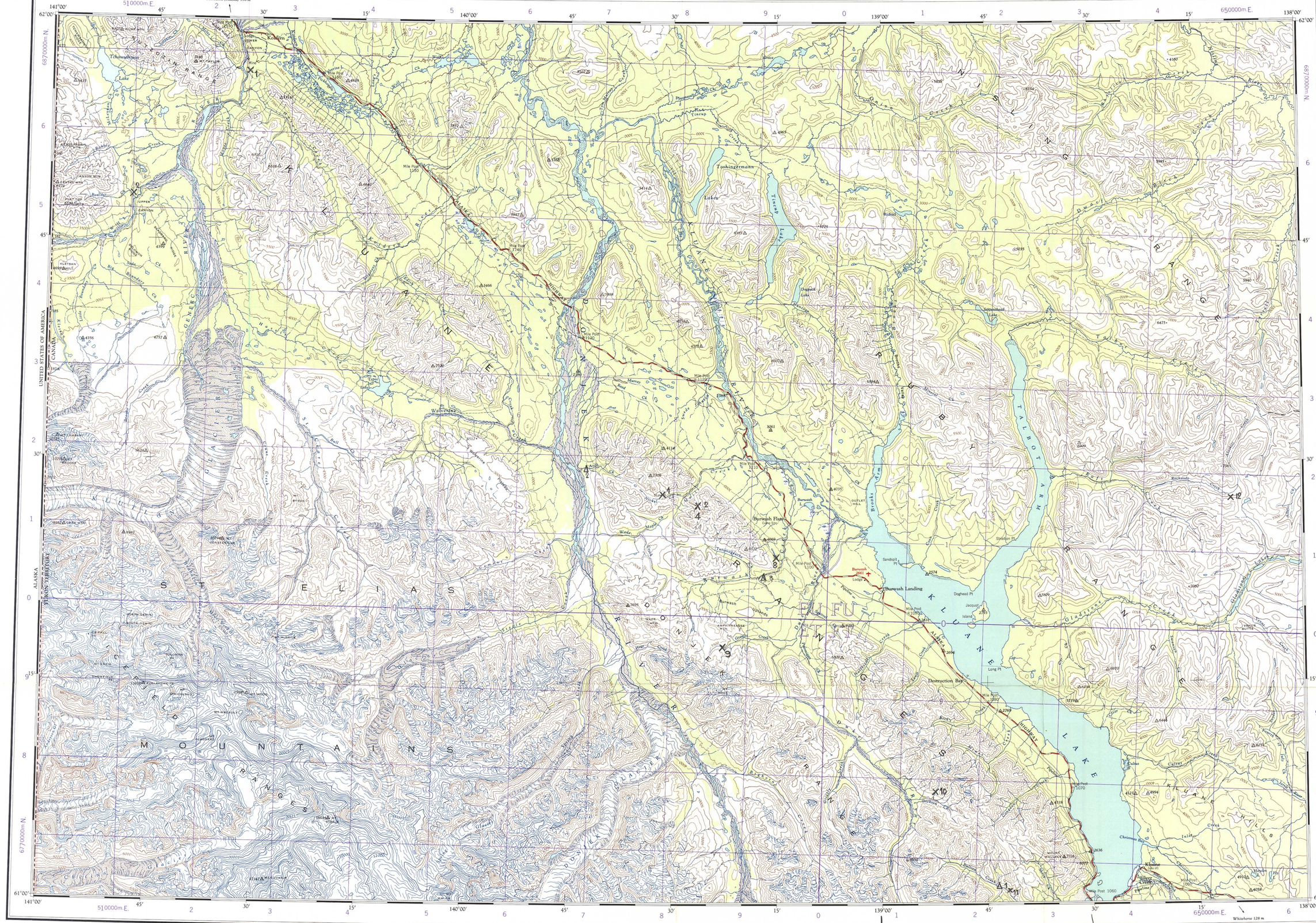
1:250,000

CANADA

EDITION 1

Refer to this map as: 115 G & F (E½) EDITION 1 ASE SERIES A 502

115 G & 115 F (E½)



115 G & 115 F (E½)

CANADA

1:250,000

EDITION 1

115 G & 115 F (E½)

See G3C map 19-1958

Fairbanks (Alaska) 356 m

Whitehorse 128 m

UNITED STATES OF AMERICA

ALASKA

YUKON TERRITORY

KLUANE LAKE

YUKON TERRITORY

Scale 1:250,000 Échelle

THE DECLINATION OF THE COMPASS NEEDLE 1960
DÉCLINAISON MAGNÉTIQUE EN 1960

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La déclinaison magnétique décroit de 2.7 minutes annuellement

inches
centimetres

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YUKON GEOLOGICAL SURVEY

Produced and Printed by the SURVEYS AND MAPPING BRANCH, DEPARTMENT OF MINES AND TECHNICAL SURVEYS, 1961 from air photographs taken from 1947 to 1951.

Copies may be obtained from the Map Distribution Office, Department of Mines and Technical Surveys, Ottawa, at 25 cents each.

Transverse Mercator Projection
North American Datum 1927
Contour Interval 500 feet
Elevations in feet above Mean Sea Level

Projection Transverse de Mercator
Réseau géodésique nord-américain unifié 1927
Equidistance des courbes: 500 pieds
Elévations en pieds au-dessus du niveau moyen de la mer

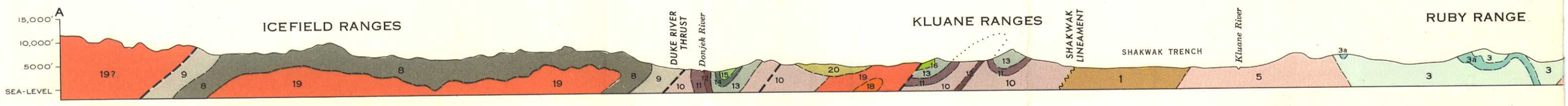
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Ces cartes sont en vente au Bureau de distribution des cartes, ministère des Mines et des Relevés techniques, Ottawa. Prix de l'exemplaire: 25 cents.

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KLUANE LAKE 115G & 115F (E½)

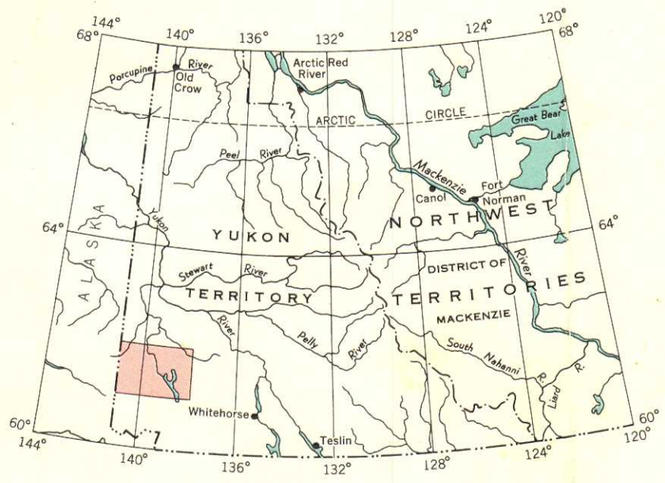
GEOLOGICAL SURVEY OF CANADA
DEPARTMENT OF MINES AND TECHNICAL SURVEYS



Sections along lines A-B, C-D



Published, 1966
Copies of this map may be obtained from the
Director, Geological Survey of Canada, Ottawa



INDEX MAP

MAP 1177A

GEOLOGY

KLUANE LAKE

YUKON TERRITORY

Scale 1:253,440
(1 inch to 4 miles)

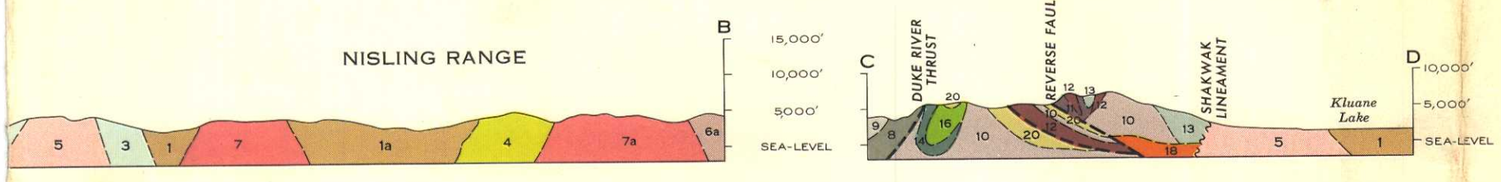
Miles 4 0 4 8 12 Miles

Kilometres 6 0 6 12 18 Kilometres

inches
0 1 2
0 1 2 3 4 5
centimetres

YUKON GEOLOGICAL SURVEY

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115 G, and 115 F E



LEGEND

FORMATIONS OF THE ST. ELIAS MOUNTAINS

CENOZOIC

TERTIARY

PALEOCENE AND LATER

23 — **23a,** *porphyritic latite, trachyte, rhyolite;* **23b,** *gabbro*

ST. CLARE GROUP

21,22 — **21,** *Red-brown basalt and andesite, massive or vesicular agglomerate, breccia, tuff*
22, *Volcanic-boulder gravel and volcanic conglomerate, minor tuff, sandstone, shale, lava*

PALEOCENE OR EOCENE

20 — *AMPHITHEATRE FORMATION: sandstone, sand, conglomerate, gravel, shale, coal*

CRETACEOUS AND (?) TERTIARY

19 — *Icefield Ranges intrusions: alaskite, granite, granodiorite, porphyritic rhyolite; intimately mixed with 17*

CRETACEOUS AND (?) EARLIER

18 — *Kluane Ranges intrusions: hornblende-biotite granodiorite, quartz diorite, diorite*

17 — *Migmatized volcanic rock, hornfels, quartz-mica schist, augen gneiss, marble; minor granitic rock. May be in part Palaeozoic*

MESOZOIC

JURASSIC AND CRETACEOUS
UPPER JURASSIC AND LOWER CRETACEOUS
DEZADEASH GROUP

16 — *Argillite, greywacke and conglomerate with graded bedding, thin limestone bands; banded hornfels near intrusions*

TRIASSIC
UPPER TRIASSIC
MUSH LAKE GROUP

15 — *Thin bedded shaly limestone, calcareous and silty shale*

14 — *Limestone, commonly brecciated; gypsum*

13 — *Basalt and andesite, mainly amygdaloidal, purple and green; minor interbedded shale, argillite, greywacke, silty limestone, chert, conglomerate. May be in part pre-Upper Triassic.*

PERMIAN AND/OR TRIASSIC

12 — *Peridotite, gabbro; minor banded chert*

PERMIAN AND (?) EARLIER
LOWER PERMIAN AND (?) EARLIER
CACHE CREEK GROUP

11 — *Argillite, sandstone, grit, conglomerate, limestone, chert;* **11a,** *limestone*

10 — *Propylitic basic lava, banded cherty tuff, volcanic breccia, chlorite schist; minor greywacke, argillite, limestone. May include some 9 and 13*

DEVONIAN AND/OR MISSISSIPPIAN

9 — *Greenstone, schistose greywacke, quartzite, slate, phyllite; minor sheared conglomerate, marble. May include some of 16*

DEVONIAN
MIDDLE AND UPPER DEVONIAN
KASKAWULSH GROUP

8 — *Marble, argillite; minor phyllite, greenstone*

PALAEOZOIC

FORMATIONS OF YUKON PLATEAU

MESOZOIC AND (?) CENOZOIC

MESOZOIC AND (?) EARLY TERTIARY

7 — *Nisling Range alaskite' (includes Rockslide Creek Stock): alaskite, granite, quartz monzonite; minor rhyolite;* **7a,** *rhyolite, fine-grained granite*

6 — *'Nisling Range granodiorite': biotite-hornblende granodiorite; granogabbro, quartz monzonite;* **6a,** *includes many rhyolite dykes*

5 — *Ruby Range batholith (includes granitic rocks in southeast corner): biotite-hornblende granodiorite, quartz monzonite, quartz diorite; minor granodiorite-gneiss*

TRIASSIC AND (?) LATER

4 — *Porphyritic basalt, andesite, latite, rhyolite; related tuff and breccia*

PRE-MESOZOIC (MAINLY)

YUKON COMPLEX

3 | 3b | 3a — *Quartz-chlorite-sericite schist, epidote-actinolite greenschist, quartzite, slate, quartz-mica schist, limestone;* **3a,** *recrystallized limestone;* **3b,** *dunite*

2 — *Quartz-sericite-chlorite schist; minor quartzite*

1 — *Quartz-biotite schist, in places carrying garnet; quartz-feldspar-biotite gneiss, amphibolite; minor recrystallized limestone;* **1a,** *contains many rhyolite dykes and sills*

Drift-covered area
Bedding (horizontal, inclined, vertical)
Schistosity, gneissosity (horizontal, inclined, vertical)
Fault (assumed)
Thrust fault (teeth in direction of dip; assumed)
Anticline (normal, overturned)
Syncline
Fossil locality Ⓕ
Former placer operation (gold)
Mineral occurrence
Mining property adit (1, Canalask Nickel Mines; 2, Hudson Bay Mining and Smelting Co.).

MINERAL OCCURRENCES

Coal	C	*Molybdenum*	Mo
Copper	Cu	*Nickel*	Ni
Fluorite	fl	*Platinum*	Pt
Gypsum	gyp	*Tungsten*	W

Geology by J. E. Muller, 1950-53, 1956-57; R. L. Christie, 1953

To accompany GSC Memoir 340 by J. E. Muller

Geological cartography by the Geological Survey of Canada, 1965

Mean magnetic declination, 29°42' E, decreasing 3.5' annually. Readings vary from 28°50' E in the SW corner to 30°42' E in the NE corner of the map-area

LEGEND

Road, all weather
Road, dry weather
Cart track
Trail or portage
International boundary
Boundary monument
Horizontal control point
Post Office P
Glacier
Intermittent stream
Marsh
Dry river bed
Sand or mud
Debris-covered ice
Contours (interval 500 feet) 3500
Height in feet above mean sea-level 7150.

Base-map compiled and drawn by the Surveys and Mapping Branch, 1961

inches
0 1 2
0 1 2 3 4 5
centimetres

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YUKON GEOLOGICAL SURVEY

Printed by the Surveys and Mapping Branch

115 G & 115 F (E½)

1:250,000

CANADA

EDITION 1

Refer to this map as: 115 G & F (E½) EDITION 1 ASE SERIES A 502

115 G & 115 F (E½)

MAP

PROPOSED VICT OEX CAMP JULY 1 G-PEARSE

GEOLOGICAL SURVEY OF CANADA
DEPARTMENT OF MINES AND TECHNICAL SURVEYS

LEGEND

FORMATIONS OF THE ST. ELIAS MOUNTAINS

CENOZOIC

TERTIARY
PALEOCENE AND LATER

23 — **23a**, *porphyritic latite, trachyte, rhyolite;* **23b**, *gabbro*

ST. CLARE GROUP

21,22 — **21**, *Red-brown basalt and andesite, massive or vesicular agglomerate, breccia, tuff*
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PALEOCENE OR EOCENE

20 — *AMPHITHEATRE FORMATION: sandstone, sand, conglomerate, gravel, shale, coal*

CRETACEOUS AND(?) TERTIARY

19 — *Icefield Ranges intrusions: alaskite, granite, granodiorite, porphyritic rhyolite; intimately mixed with 17*

CRETACEOUS AND(?) EARLIER

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MESOZOIC

JURASSIC AND CRETACEOUS
UPPER JURASSIC AND LOWER CRETACEOUS
DEZADEASH GROUP

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TRIASSIC
UPPER TRIASSIC
MUSH LAKE GROUP

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PERMIAN AND (?) EARLIER
LOWER PERMIAN AND(?) EARLIER
CACHE CREEK GROUP

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PALAEOZOIC

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DEVONIAN AND/OR MISSISSIPPIAN

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DEVONIAN
MIDDLE AND UPPER DEVONIAN
KASKAWULSH GROUP

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FORMATIONS OF YUKON PLATEAU

MESOZOIC AND(?) CENOZOIC

MESOZOIC AND(?) EARLY TERTIARY

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TRIASSIC AND(?) LATER

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PRE-MESOZOIC (MAINLY)

YUKON COMPLEX

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Drift-covered area
Bedding (horizontal, inclined, vertical)
Schistosity, gneissosity (horizontal, inclined, vertical)
Fault (assumed)
Thrust fault (teeth in direction of dip; assumed)
Anticline (normal, overturned)
Syncline
Fossil locality
Former placer operation (gold)
Mineral occurrence
Mining property sold (1, Canalask Nickel Mines; 2, Hudson Bay Mining and Smelting Co.),

MINERAL OCCURRENCES

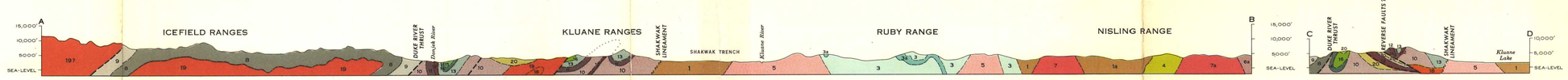
Coal	C	*Molybdenum*	Mo
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Gypsum	gyp	*Tungsten*	W

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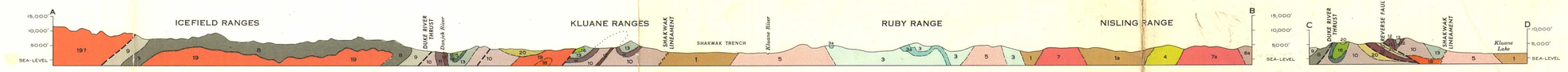


Sections along lines A-B, C-D

115 G, and 115 F E



GEOLOGICAL SURVEY OF CANADA
DEPARTMENT OF MINES AND TECHNICAL SURVEYS



Sections along lines A-B, C-D

115 G, and 115 F E

LEGEND

FORMATIONS OF THE ST. ELIAS MOUNTAINS

CENOZOIC

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PALEOCENE AND LATER

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FORMATIONS OF YUKON PLATEAU

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PRE-MESOZOIC MAINLY?

YUKON COMPLEX

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Kluane Lake 115-G

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Bedding (horizontal, inclined, vertical)
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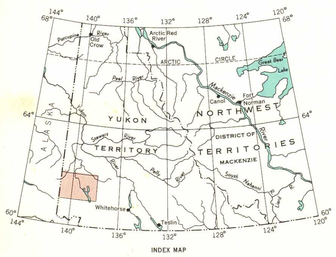
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INDEX MAP

MAP 1177A

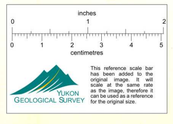
GEOLOGY

KLUANE LAKE

YUKON TERRITORY

Scale 1:253,440
(1 inch to 4 miles)

Miles 4 0 4 8 12 Miles
Kilometres 6 0 6 12 18 Kilometres



115-G

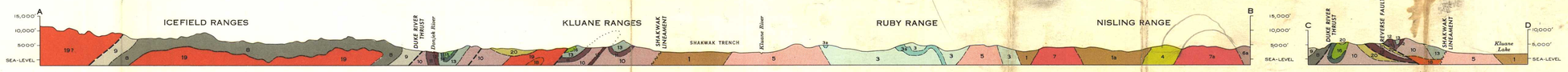
LEGEND

Road, all weather
Road, dry weather
Cart track
Trail or portage
International boundary
Boundary monument
Horizontal control point
Post Office
Glacier
Intermittent stream
Marsh
Dry river bed
Sand or mud
Debris-covered ice
Contours (interval 500 feet)
Height in feet above mean sea-level

Base-map compiled and drawn by the Surveys and Mapping Branch, 1961

Printed by the Surveys and Mapping Branch

GEOLOGICAL SURVEY OF CANADA
DEPARTMENT OF MINES AND TECHNICAL SURVEYS



Sections along lines A-B, C-D

115G, and 115F E

LEGEND

FORMATIONS OF THE ST. ELIAS MOUNTAINS

CENOZOIC

TERTIARY

PALAEOCENE AND LATER

23 — **23a**, *porphyritic latite, trachyte, rhyolite;* **23b**, *gabbro*

ST. CLARE GROUP

21,22 — **21**, *Red-brown basalt and andesite, massive or vesicular agglomerate, breccia, tuff.* **22**, *Volcanic-boulder gravel and volcanic conglomerate, minor tuff, sandstone, shale, lava*

PALAEOCENE OR EOCENE

20 — *AMPHITHEATRE FORMATION: sandstone, sand, conglomerate, gravel, shale, coal*

CRETACEOUS AND(?) TERTIARY

19 — *Icefield Ranges intrusions: alaskite, granite, granodiorite, porphyritic rhyolite; intimately mixed with 17*

CRETACEOUS AND(?) EARLIER

18 — *Kluane Ranges intrusions: hornblende-biotite granodiorite, quartz diorite, diorite*

17 — *Migmatized volcanic rock, hornfels, quartz-mica schist, augen gneiss, marble; minor granitic rock. May be in part Palaeozoic*

MESOZOIC

JURASSIC AND CRETACEOUS
UPPER JURASSIC AND LOWER CRETACEOUS
DEZADEASH GROUP

16 — *Argillite, greywacke and conglomerate with graded bedding, thin limestone bands; banded hornfels near intrusions*

TRIASSIC
UPPER TRIASSIC
MUSH LAKE GROUP

15 — *Thin bedded shaly limestone, calcareous and silty shale*

14 — *Limestone, commonly brecciated; gypsum*

13 — *Basalt and andesite, mainly amygdaloidal, purple and green; minor interbedded shale, argillite, greywacke, silty limestone, chert, conglomerate. May be in part pre-Upper Triassic.*

PERMIAN AND/OR TRIASSIC

12 — *Peridotite, gabbro; minor banded chert*

PALAEOZOIC

PERMIAN AND (?) EARLIER
LOWER PERMIAN AND(?) EARLIER
CACHE CREEK GROUP

11 — *Argillite, sandstone, grit, conglomerate, limestone, chert;* **11a**, *limestone*

10 — *Propylitic basic lava, banded cherty tuff, volcanic breccia, chlorite schist; minor greywacke, argillite, limestone. May include some 9 and 13*

DEVONIAN AND/OR MISSISSIPPIAN

9 — *Greenstone, schistose greywacke, quartzite, slate, phyllite; minor sheared conglomerate, marble. May include some of 16*

DEVONIAN
MIDDLE AND UPPER DEVONIAN
KASKAWULSH GROUP

8 — *Marble, argillite; minor phyllite, greenstone*

FORMATIONS OF YUKON PLATEAU

MESOZOIC AND(?) CENOZOIC

MESOZOIC AND (?) EARLY TERTIARY

7 — *Nisling Range alaskite (includes Rockslide Creek Stock): alaskite, granite, quartz monzonite; minor rhyolite;* **7a**, *rhyolite, fine-grained granite*

6 — *'Nisling Range granodiorite': biotite-hornblende granodiorite; granogabbro, quartz monzonite;* **6a**, *includes many rhyolite dykes*

5 — *Ruby Range batholith (includes granitic rocks in southeast corner): biotite-hornblende granodiorite, quartz monzonite, quartz diorite; minor granodiorite-gneiss*

TRIASSIC AND (?) LATER

4 — *Porphyritic basalt, andesite, latite, rhyolite; related tuff and breccia*

PRE-MESOZOIC MAINLY

YUKON COMPLEX

3 (3b, 3a) — *Quartz-chlorite-sericite schist, epidote-actinolite greenschist, quartzite, slate, quartz-mica schist, limestone;* **3a**, *recrystallized limestone;* **3b**, *dunite*

2 — *Quartz-sericite-chlorite schist; minor quartzite*

1 — *Quartz-biotite schist, in places carrying garnet; quartz-feldspar-biotite gneiss, amphibolite; minor recrystallized limestone;* **1a**, *contains many rhyolite dykes and sills*

Drift-covered area
Bedding (horizontal, inclined, vertical)
Schistosity, gneissosity (horizontal, inclined, vertical)
Fault (assumed)
Thrust fault (teeth in direction of dip; assumed)
Anticline (normal, overturned)
Syncline
Fossil locality
Former placer operation (gold)
Mineral occurrence
Mining property adit (1. Canalask Nickel Mines; 2. Hudson Bay Mining and Smelting Co.)

MINERAL OCCURRENCES

Coal	C	*Molybdenum*	Mo
Copper	Cu	*Nickel*	Ni
Fluorite	fl	*Platinum*	Pt
Gypsum	gyp	*Tungsten*	W

Geology by J. E. Muller, 1950-53, 1956-57; R. L. Christie, 1953

To accompany GSC Memoir 340 by J. E. Muller

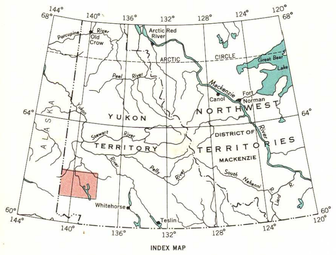
Geological cartography by the Geological Survey of Canada, 1965

Mean magnetic declination, 29°42' E, decreasing 3.5' annually. Readings vary from 28°50' E in the SW corner to 30°42' E in the NE corner of the map-area



Published, 1966
Copies of this map may be obtained from the Director, Geological Survey of Canada, Ottawa

Printed by the Surveys and Mapping Branch



INDEX MAP

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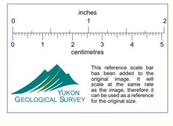
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