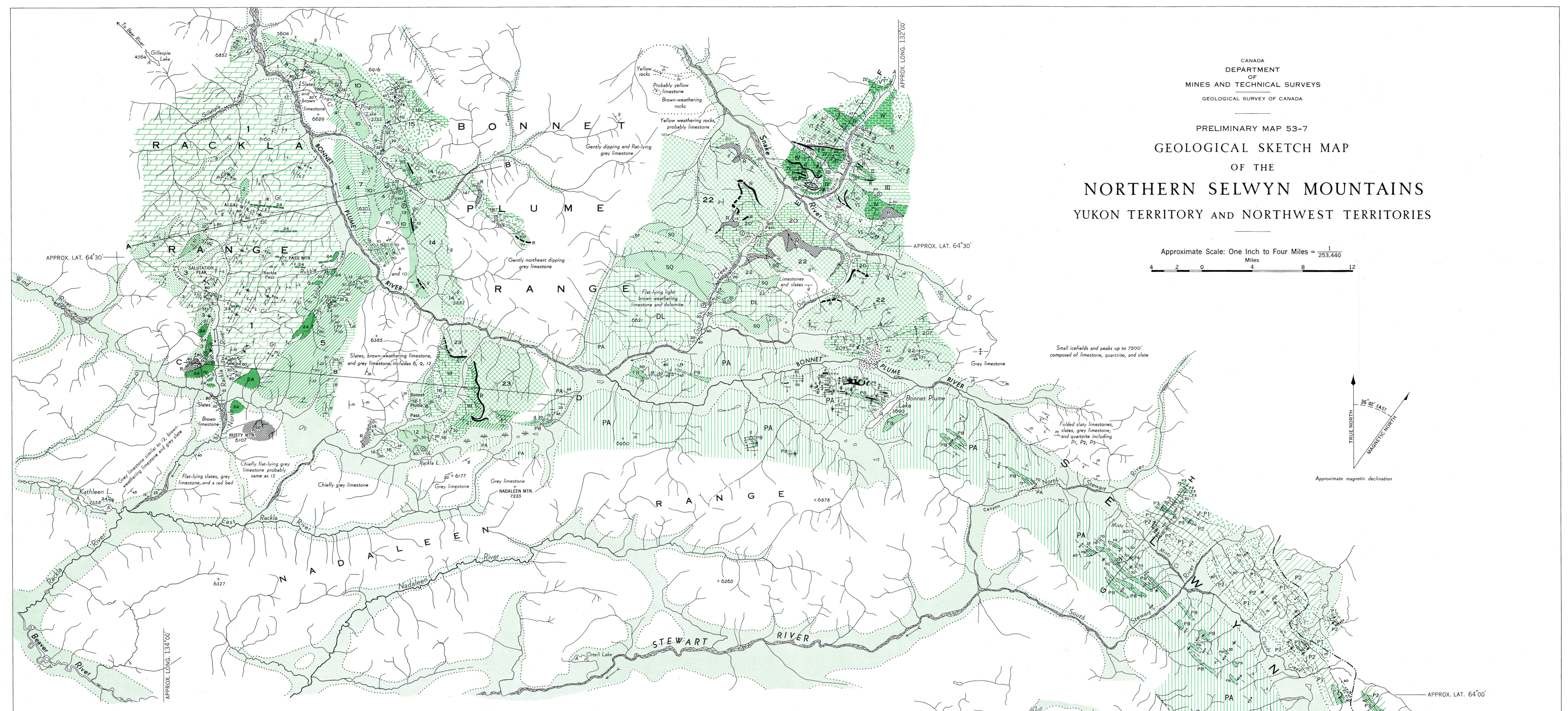
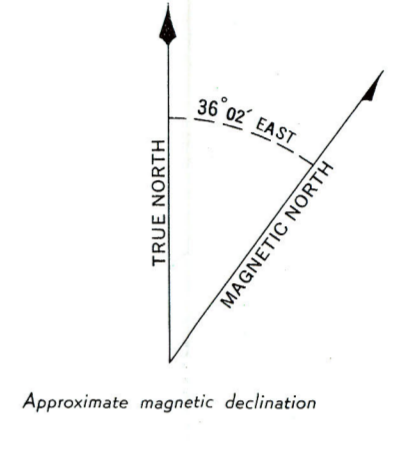
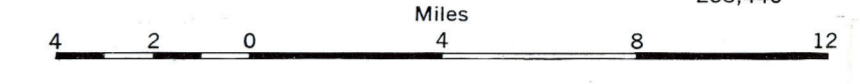


DIAGRAMMATIC CROSS-SECTIONS ALONG LINES A-B, C-D, E-F, AND G-H

CANADA  
DEPARTMENT  
OF  
MINES AND TECHNICAL SURVEYS  
GEOLOGICAL SURVEY OF CANADA

PRELIMINARY MAP 53-7  
GEOLOGICAL SKETCH MAP  
OF THE  
NORTHERN SELWYN MOUNTAINS  
YUKON TERRITORY AND NORTHWEST TERRITORIES

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



LEGEND

- |  |  |  |
|--|--|--|
| <p><b>CENOZOIC</b></p> <p><b>QUATERNARY PLEISTOCENE AND RECENT</b></p> <ul style="list-style-type: none"> <li>Glacial drift, alluvium</li> </ul> <p><b>DEVONIAN (?) OR LATER</b></p> <ul style="list-style-type: none"> <li>24 Diarite</li> <li>22, 23 Grey and cream-coloured limestone</li> <li>19 Grey slate, conglomerate</li> <li>18-20 Grey limestone containing algae</li> <li>15-17 Quartzite, slate, iron formation</li> <li>14 Chert-bearing grey limestone</li> <li>13 Interbedded dark slate and limestone</li> </ul> <p><b>SILURIAN OR DEVONIAN</b></p> <ul style="list-style-type: none"> <li>10-12 Grey limestone</li> <li>7-9 Yellow and brown-weathering grey limestone</li> <li>4-6 Grey, maroon, and green slate, sandstone, and conglomerate</li> </ul> <p><b>CAMBRIAN AND EARLIER (?)</b></p> <ul style="list-style-type: none"> <li>3 Dark slate, quartzite</li> <li>2 Grey limestone</li> <li>1 Reddish brown weathering dolomite and sandy dolomite, containing algae; some grey limestone</li> </ul> <p>See Note 1</p> <ul style="list-style-type: none"> <li>DL Grey and brown weathering cream-coloured dolomite and limestone</li> <li>SL Interbedded brown slate and quartzite</li> </ul> <p><b>Red beds (slate, shale, limestone, sandstone, and conglomerate)</b></p> | <p><b>AREA EAST OF SNAKE RIVER AND SELWYN VALLEY</b></p> <p><b>QUATERNARY PLEISTOCENE AND RECENT</b></p> <ul style="list-style-type: none"> <li>Glacial drift, alluvium</li> </ul> <p><b>POST-CAMBRIAN</b></p> <ul style="list-style-type: none"> <li>VI Dark grey and light grey limestone</li> <li>IV Quartzite, conglomerate</li> <li>IV Light brown weathering cream-coloured limestone</li> </ul> <p><b>CAMBRIAN</b></p> <ul style="list-style-type: none"> <li>III Brown-banded slate and sandstone</li> </ul> <p><b>CAMBRIAN AND EARLIER (?)</b></p> <ul style="list-style-type: none"> <li>I Brown-weathering quartzite</li> <li>III Dark grey limestone</li> <li>II Light brown weathering, grey and brown slaty limestone and slate</li> <li>DI Brown and white quartzite</li> </ul> <p>See Note 2</p> <ul style="list-style-type: none"> <li>PA Grey and green slate, quartzite</li> <li>PB Grey limestone</li> </ul> <p><b>Red beds (slate, shale, limestone, sandstone, and conglomerate)</b></p> | <p><b>ROGUE RIVER AREA AND WEST OF SELWYN VALLEY</b></p> <p><b>QUATERNARY PLEISTOCENE AND RECENT</b></p> <ul style="list-style-type: none"> <li>Glacial drift, alluvium</li> </ul> <p><b>TERTIARY (?)</b></p> <ul style="list-style-type: none"> <li>Granitic rocks; Ds, quartz diorite; Ds, syenite</li> </ul> <p><b>POST-SILURIAN (?)</b></p> <ul style="list-style-type: none"> <li>Basalt, pyroclastic rocks</li> </ul> <p><b>PALAEZOIC</b></p> <ul style="list-style-type: none"> <li>B Grey and green slate, greywacke, conglomerate, and chert</li> </ul> <p><b>ORDOVICIAN (?) OR SILURIAN</b></p> <ul style="list-style-type: none"> <li>Interbedded chert and slate; includes some greywacke and conglomerate, probably of B</li> </ul> <p><b>NOTES</b></p> <p>Note 1. The age of DL and SQ and their relations to rocks of known age are uncertain</p> <p>Note 2. P1, P2, and P3 are probably of Palaeozoic age, but their relations to rocks of known age could not be determined</p> <p>Note 3. PA and PB are probably of early Palaeozoic age</p> <p>See Note 3</p> <ul style="list-style-type: none"> <li>PA Grey and green slate, quartzite</li> <li>PB Grey limestone</li> </ul> <p><b>Red beds, slate</b></p> |
|--|--|--|

- Area of rusty halo around granitic stocks
- Bedding (horizontal, inclined, vertical, overturned, dip unknown)
- Bedding (dip greater than 45°, dip 25°-45°, dip less than 25° estimated)
- Slaty cleavage (inclined, vertical)
- Fault (located, approximate, assumed)
- Fault (solid circle indicates downthrow side)
- Anticline (axis (arrow indicates direction of plunge of axis))
- Synclinal axis (arrow indicates direction of plunge of axis)
- Recumbent anticline
- Direction of ice-movement
- Landslide
- Fossil collection
- Mineral occurrence (iron, tungsten)

Geology by J. O. Wheeler, 1952

- Cabin
- Lakes known to be suitable for aircraft use
- Barred stream
- Sand or gravel
- Marsh
- Glacier
- Height in feet above mean sea-level

Drainage map from vertical air photographs without ground control

Cartography by the Geological Cartography Division, 1954

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

Geographical names subject to revision

