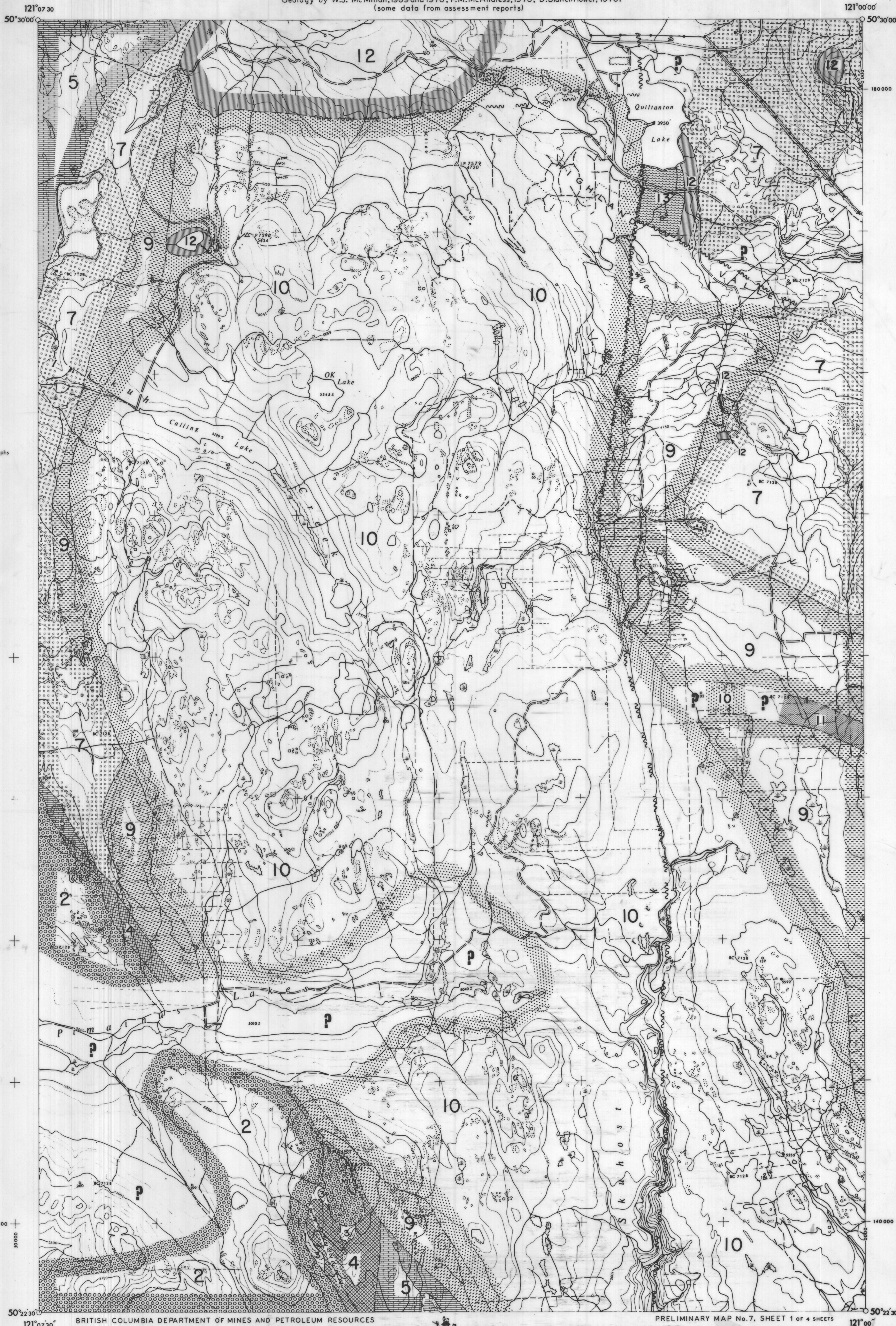


PRELIMINARY GEOLOGICAL MAP OF THE HIGHLAND VALLEY
 Geology by W.J. McMillan, 1969 and 1970; P.M. McAndless, 1970; D. Blanchflower, 1970.
 (some data from assessment reports)

92/6h



- LEGEND**
- POST-INTRUSIVE ROCKS**
- 13 Pebble conglomerate, carbonaceous siltstone, argillite
 - 12 Kamloops Group
- INTRUSIVE ROCKS**
- 11 Post-Bethsaida porphyries
 - 10 Bethsaida phase
 - 9 Bethlehem-Bethsaida transitional contact zone
 - 8 Porphyry dyke, area with numerous porphyry dykes
 - 7 Bethlehem phase
 - Country rock cut by numerous dykes of Bethlehem phase
 - 6 Leray granodiorite
 - Country rocks cut by numerous dykes of Leray granodiorite
- Highland Valley phase**
- 5 Chataway variety
 - 4 Guichon variety
 - 3 Guichon-Hybrid transitional contact zone
 - 2 Hybrid phase
- PRE-INTRUSIVE ROCKS**
- 1 Nicola volcanic rocks

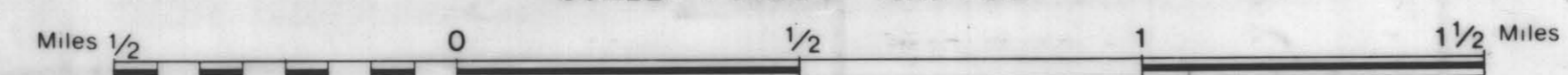
- SYMBOLS**
- Roads; paved highway, two-wheel drive, four-wheel drive
 - Trench; interpreted from air photographs
 - Cut line; visible on air photographs
 - Stream, intermittent
 - Outline of outcrop
 - Outcrop seen but not traversed; composition inferred
 - Outcrop from assessment report; composition inferred
 - Breccia zone
 - Fault; proven, inferred
- Virtually all intrusive contacts shown are gradational.

BRITISH COLUMBIA DEPARTMENT OF MINES AND PETROLEUM RESOURCES PRELIMINARY MAP No. 7, SHEET 1 of 4 SHEETS

HIGHLAND VALLEY PROJECT
 KAMLOOPS DIVISION OF YALE LAND DISTRICT
 BRITISH COLUMBIA
 SCALE: 1 INCH = 1320 FEET

Air photography: B.C. Gov't. 1965
 Updated: B.C. Gov't. 1969
 Field surveys: G. New B.C.L.S. 1969
 Culture check: 1969

Copies of this map may be obtained from the Mineralogical Branch
 Department of Mines and Petroleum Resources
 Victoria, B.C.
 \$1.00 per sheet



CONTOUR INTERVAL 50 FEET
 Elevations in feet above Mean Sea Level
 POLYCONIC PROJECTION
 Origin 50°-121°

92/6h

PRELIMINARY GEOLOGICAL MAP OF THE HIGHLAND VALLEY
Geology by W.J. Mc Millan, 1969 and 1970; P.M. Mc Andless, 1970; D. Blanchflower, 1970.
(some data from assessment reports)

121°00'00"
50°30'00"

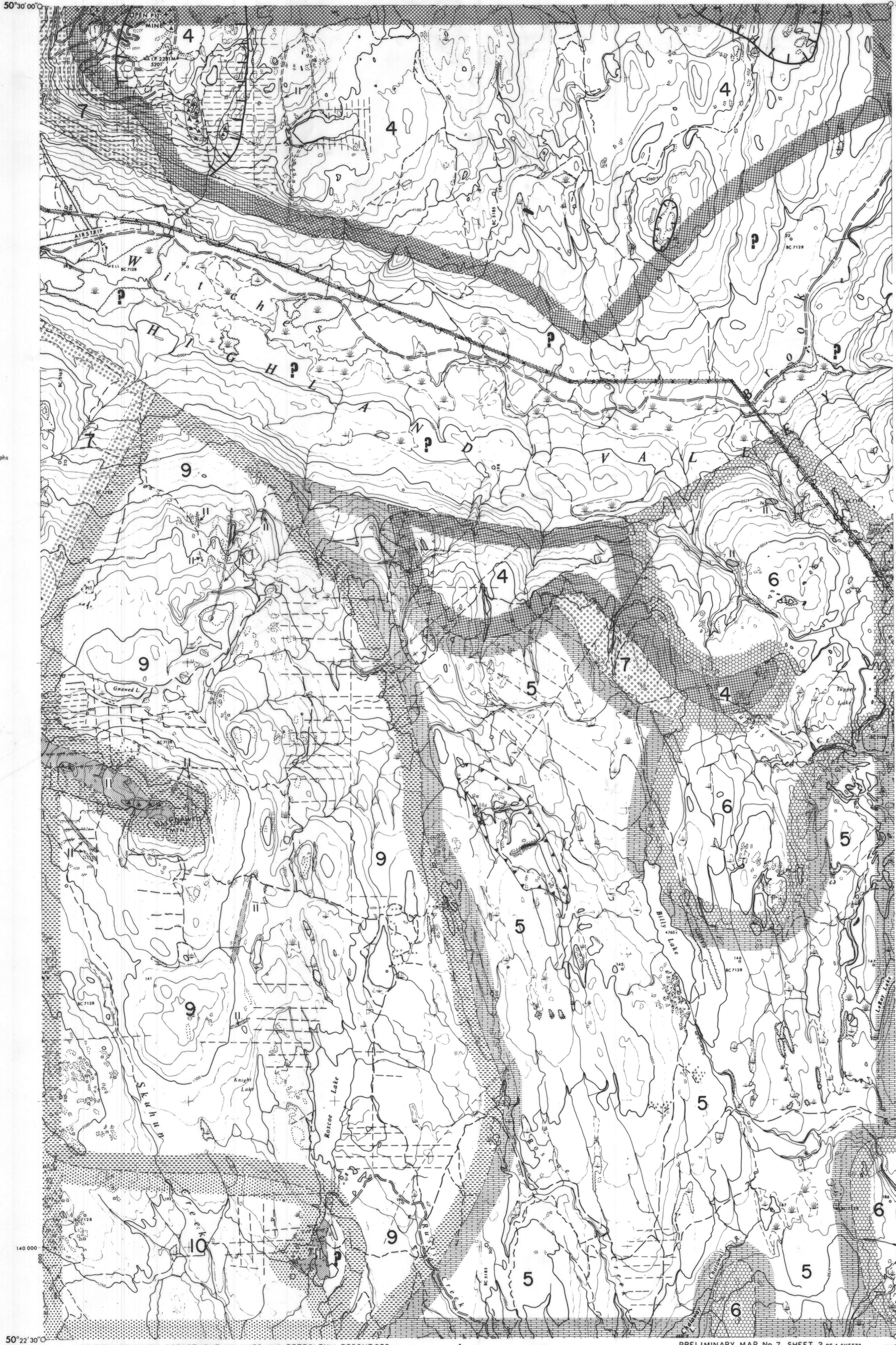
120°52'30"
50°30'00"

- LEGEND**
- POST-INTRUSIVE ROCKS**
- 13 Pebble conglomerate, carbonaceous siltstone, argillite
 - 12 Kamloops Group
- INTRUSIVE ROCKS**
- 11 Post-Bethsaida porphyries
 - 10 Bethsaida phase
 - 9 Bethlehem-Bethsaida transitional contact zone
 - 8 Porphyry dyke, area with numerous porphyry dykes
 - 7 Bethlehem phase
 - Country rock cut by numerous dykes of Bethlehem phase
 - 6 Leroy granodiorite
 - Country rocks cut by numerous dykes of Leroy granodiorite
 - Highland Valley phase
 - 5 Chataway variety
 - 4 Guichon variety
 - 3 Guichon-Hybrid transitional contact zone
 - 2 Hybrid phase
- PRE-INTRUSIVE ROCKS**
- 1 Nicola volcanic rocks

(Detailed petrologic descriptions are given by Northcote, 1969, British Columbia Department of Mines and Petroleum Resources, Bulletin No. 56)

- SYMBOLS**
- Roads, paved highway, two-wheel drive, four-wheel drive
 - Trench; interpreted from air photographs
 - Cut line; visible on air photographs
 - Stream, intermittent
 - Outline of outcrop
 - Outcrop seen but not traversed, composition inferred
 - Outcrop from assessment report; composition inferred
 - Breccia zone
 - Fault; proven, inferred

Virtually all intrusive contacts shown are gradational.



121°00'00"
50°22'30"

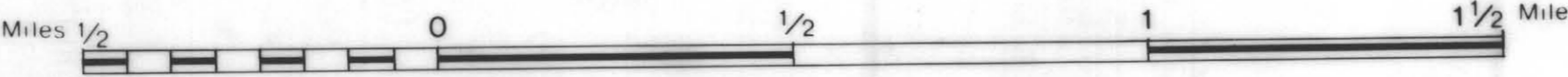
BRITISH COLUMBIA DEPARTMENT OF MINES AND PETROLEUM RESOURCES

PRELIMINARY MAP No. 7, SHEET 2 of 4 SHEETS

120°52'30"
50°22'30"

Air photography: B.C. Gov't. 1965
Updated: B.C. Gov't. 1969
Field surveys: G. New B.C.L.S. 1969
Culture check: 1969

HIGHLAND VALLEY PROJECT
KAMLOOPS DIVISION OF YALE LAND DISTRICT
BRITISH COLUMBIA
SCALE: 1 INCH = 1320 FEET



CONTOUR INTERVAL 50 FEET
Elevations in feet above Mean Sea Level
POLYCONIC PROJECTION
Origin 50°-121°

Copies of this map may be obtained from the
Mineralogical Branch
Department of Mines and Petroleum Resources
Victoria, B.C.
\$ 1.00 per sheet

121°00'00"
 50°37'30"

120°52'30"
 50°37'30"

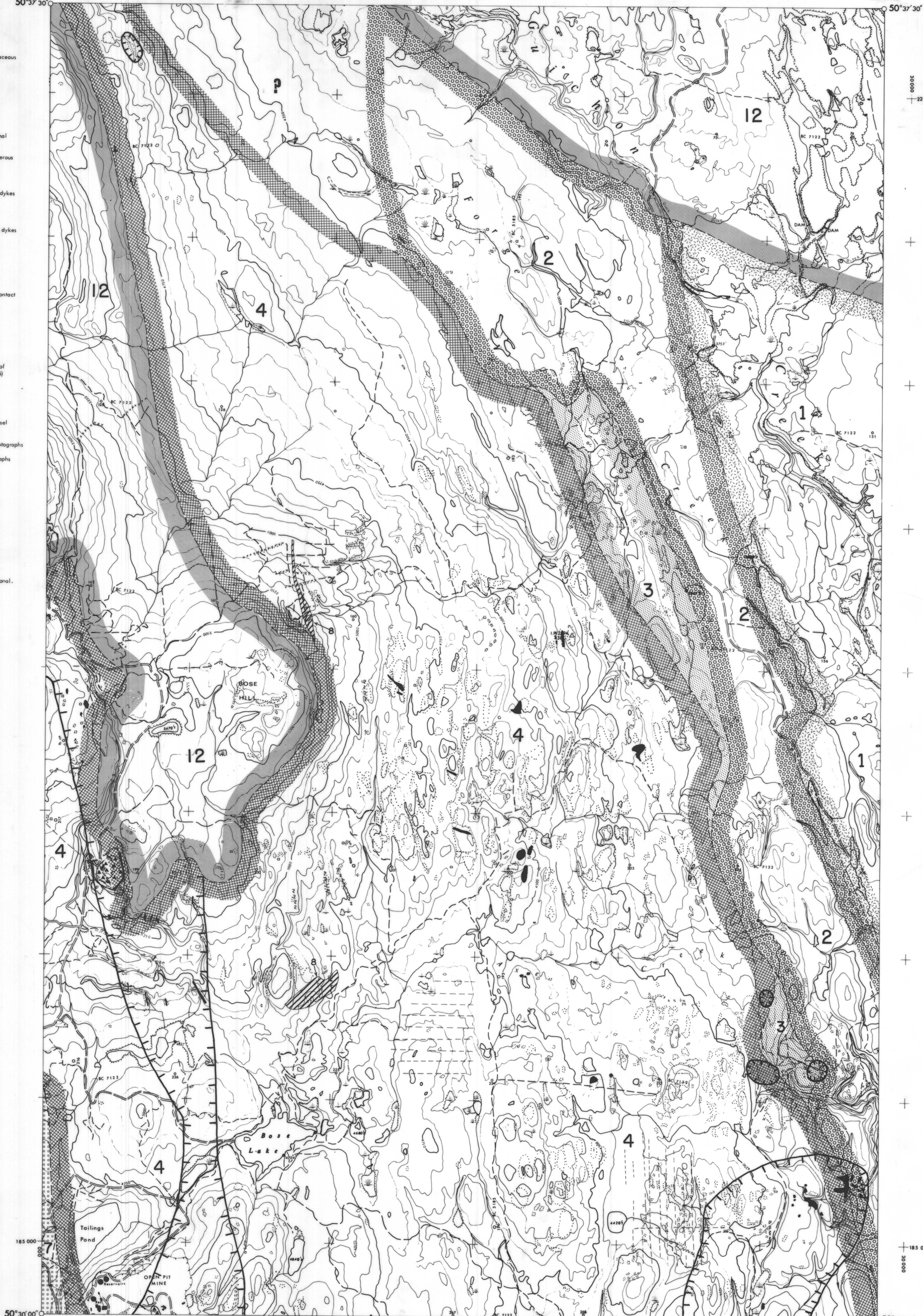
- LEGEND**
- POST-INTRUSIVE ROCKS**
- 13 Pebble conglomerate, carbonaceous siltstone, argillite
 - 12 Kamloops Group
- INTRUSIVE ROCKS**
- 11 Post-Bethsaida porphyries
 - 10 Bethsaida phase
 - 9 Bethlehem-Bethsaida transitional contact zone
 - 8 Porphyry dyke, area with numerous porphyry dykes
 - 7 Bethlehem phase
 - 6 Country rock cut by numerous dykes of Bethlehem phase
 - 6 Leroy granodiorite
 - 6 Country rocks cut by numerous dykes of Leroy granodiorite
- Highland Valley phase**
- 5 Chataway variety
 - 4 Guichon variety
 - 3 Guichon-Hybrid transitional contact zone
 - 2 Hybrid phase
- PRE-INTRUSIVE ROCKS**
- 1 Nicola volcanic rocks

(Detailed petrologic descriptions are given by Northote, 1969, British Columbia Department of Mines and Petroleum Resources, Bulletin No. 56)

SYMBOLS

- /// Roads; paved highway, two-wheel drive, four-wheel drive
- x x x x Trench; interpreted from air photographs
- - - - - Cut line; visible on air photographs
- - - - - Stream, intermittent
- Outline of outcrop
- Outcrop seen but not traversed, composition inferred
- a Outcrop from assessment report; composition inferred
- ▲ Breccia zone
- ||||| Fault; proven, inferred

Virtually all intrusive contacts shown are gradational.

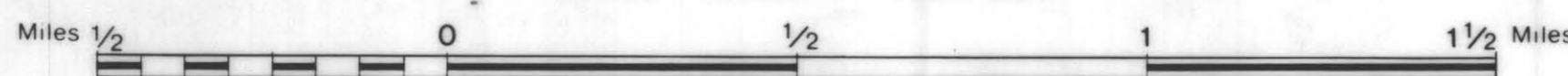


121°00'00" BRITISH COLUMBIA DEPARTMENT OF MINES AND PETROLEUM RESOURCES PRELIMINARY MAP No. 7, SHEET 3 of 4 SHEETS 120°52'30"

HIGHLAND VALLEY PROJECT
 KAMLOOPS DIVISION OF YALE LAND DISTRICT
 BRITISH COLUMBIA
 SCALE: 1 INCH = 1320 FEET

Air photography: B.C. Gov't. 1965
 Updated: B.C. Gov't. 1969
 Field surveys: G. New B.C.L.S. 1969
 Culture check: 1969

Copies of this map may be obtained from the
 Mineralogical Branch
 Department of Mines and Petroleum Resources
 Victoria, B.C.
 \$1.00 per sheet



CONTOUR INTERVAL 50 FEET
 Elevations in feet above Mean Sea Level
 POLYGONIC PROJECTION
 Origin 50°-121°

121° 07' 30" W
 50° 37' 30" N

121° 00' 00" W
 50° 37' 30" N

- LEGEND**
- POST-INTRUSIVE ROCKS**
- 13 Pebble conglomerate, carbonaceous siltstone, argillite
 - 12 Kamloops Group
- INTRUSIVE ROCKS**
- 11 Post-Bethsaida porphyries
 - 10 Bethsaida phase
 - 9 Bethlehem-Bethsaida transitional contact zone
 - 8 Porphyry dyke, area with numerous porphyry dykes
 - 7 Bethlehem phase
 - Country rock cut by numerous dykes of Bethlehem phase
 - 6 Leroy granodiorite
 - Country rocks cut by numerous dykes of Leroy granodiorite
 - Highland Valley phase
 - 5 Chataway variety
 - 4 Guichon variety
 - 3 Guichon-Hybrid transitional contact zone
 - 2 Hybrid phase
- PRE-INTRUSIVE ROCKS**
- 1 Nicola volcanic rocks
- (Detailed petrologic descriptions are given by Northcote, 1969, British Columbia Department of Mines and Petroleum Resources, Bulletin No. 56)
- SYMBOLS**
- Roads; paved highway, two-wheel drive, four-wheel drive
 - Trench; interpreted from air photographs
 - Cut line; visible on air photographs
 - Stream, intermittent
 - Outline of outcrop
 - Outcrop seen but not traversed, composition inferred
 - Outcrop from assessment report; composition inferred
 - Breccia zone
 - Fault; proven, inferred
- Virtually all intrusive contacts shown are gradational.



50° 30' 00" N
 121° 07' 30" W

50° 30' 00" N
 121° 00' 00" W

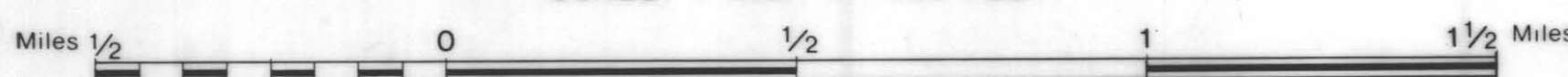
BRITISH COLUMBIA DEPARTMENT OF MINES AND PETROLEUM RESOURCES

PRELIMINARY MAP No. 7, SHEET 4 OF 4 SHEETS

HIGHLAND VALLEY PROJECT
 KAMLOOPS DIVISION OF YALE LAND DISTRICT
 BRITISH COLUMBIA
 SCALE: 1 INCH = 1320 FEET

Air photography: B.C. Gov't. 1965
 Updated: B.C. Gov't. 1969
 Field surveys: G. New B.C.L.S. 1969
 Culture check: 1969

Copies of this map may be obtained from the
 Mineralogical Branch
 Department of Mines and Petroleum Resources
 Victoria, B.C.
 \$1.00 per sheet



CONTOUR INTERVAL 50 FEET
 Elevations in feet above Mean Sea Level
 POLYGONIC PROJECTION
 Origin 50°-121°