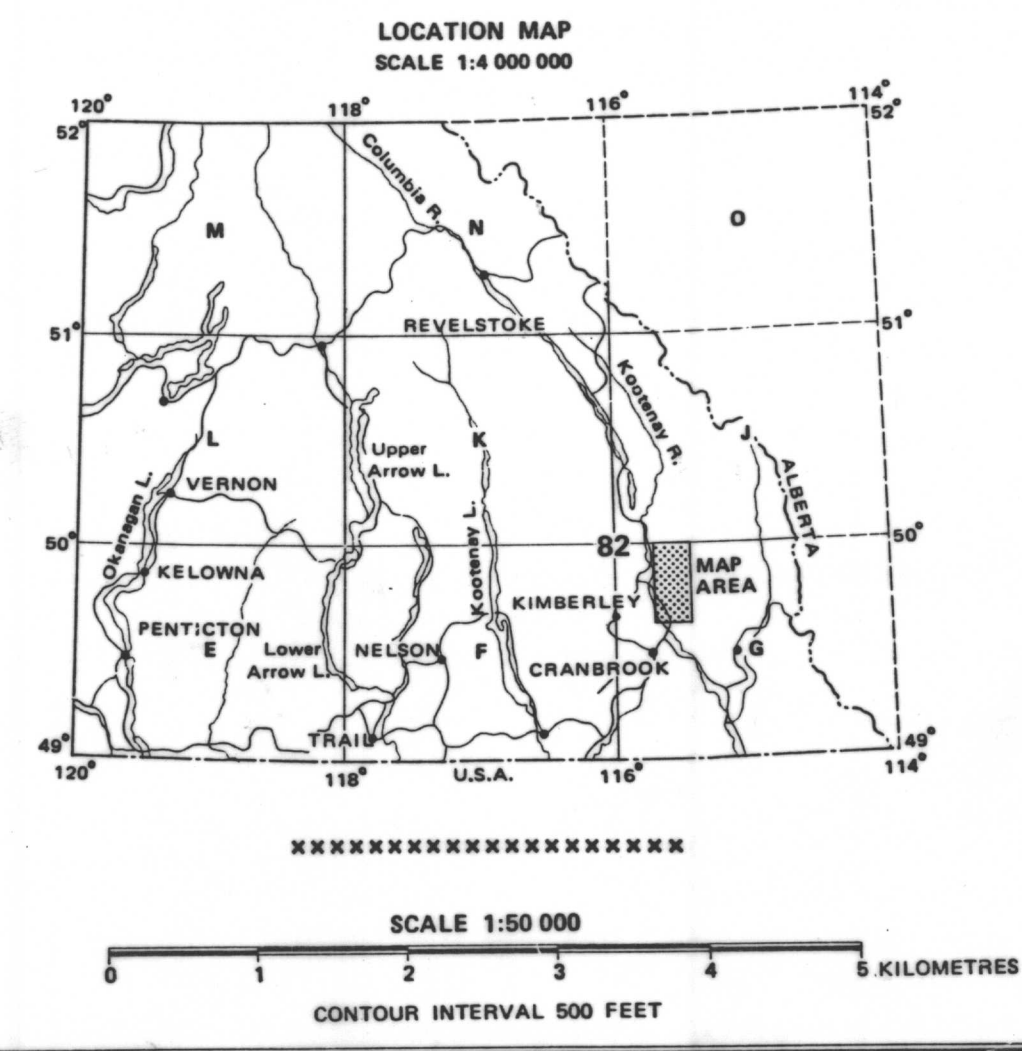
  
 Province of British Columbia  
 Ministry of Energy, Mines and Petroleum Resources  
**PRELIMINARY MAP 36**  
**GEOLOGY OF THE ESTELLA-KOOTENAY KING AREA**  
**HUGHES RANGE**  
**SOUTHEASTERN BRITISH COLUMBIA**  
 (NTS 820/11, 12, 13, 14)  
 GEOLOGY BY TRYGVE HÖY, 1976-1978

- LEGEND**
- CRETACEOUS**
- ..... QUARTZ MONZONITE, SYENITE
- CAMBRIAN**
- Cc CRANBROOK FORMATION: QUARTZITE
  - CJ JUBILEE FORMATION: DOLOMITE, CALCITE MARBLE
- HADRYANIAN**
- PCT TOBY FORMATION: CONGLOMERATE, SILTSTONE, ARGILLITE
- HADRYANIAN/HELIKIAN**
- PURCELL SUPERGROUP**
- ..... PURCELL SILLS AND DYKES
  - R ROOSVILLE FORMATION: GREEN SILTSTONE AND ARGILLITE; MINOR STROMATOLITIC DOLOMITE AND DOLIC LIMESTONE
  - P PHILLIPS FORMATION: RED TO PURPLE ARGILLITE AND SILTSTONE
  - G GATEWAY FORMATION: SILTSTONE, ARGILLITE; DOLOMITE, LIMESTONE
  - G1 SILTSTONE, ARGILLITE
  - G2 DOLOMITE, LIMESTONE, SILTSTONE
  - S SHEPPARD FORMATION: DOLOMITE; MASSIVE, STROMATOLITIC, OOLITIC; SILTSTONE, QUARTZITE
  - SI DOMINANTLY SILTSTONE
  - E PURCELL LAVA: INTERLAYERED SILTSTONE, ARGILLITE, AND ANDESITIC LAVA
  - ..... LAVA FLOWS
  - S.U. SILTSTONE UNIT: GREEN SILTSTONE AND ARGILLITE
  - K KITCHENER FORMATION: DOLOMITE, SILTY DOLOMITE, LIGHT GREEN SILTSTONE; MINOR LIMESTONE
  - KI INTERLAYERED SILTSTONE AND DOLOMITE
  - C CRESTON FORMATION: GREEN AND PURPLE ARGILLITE AND SILTSTONE, WHITE AND GREEN QUARTZITE; MINOR DARK ARGILLITE
- ALDRIDGE FORMATION**
- A3 DARK GREY FINELY LAMINATED ARGILLITE; MINOR SILTSTONE
  - A3I DARK GREY ARGILLITE WITH LENTICULAR BEDDING
  - A2 QUARTZITE, SILTSTONE; INTERLAYERED WITH DARK ARGILLITE
  - A1 FINELY LAMINATED ARGILLITE, SILTSTONE; MINOR DOLOMITE, QUARTZITE
  - f MEDIUM TO DARK GREY SILTSTONE, ARGILLITE
  - th THICK-BEDDED QUARTZITE; MINOR CONGLOMERATE
  - d BUFF-COLOURED DOLOMITIC SILTSTONE, DOLOMITIC ARGILLITE; ABUNDANT LENTICULAR BEDDING AND RIPPLE CROSS-BEDDING
  - c GREY SILTSTONE, ARGILLITE; TAN SILTSTONE, BLACK GRAPHITIC ARGILLITE
  - b SILTY DOLOMITE, DOLOMITIC SILTSTONE, MINOR LIMESTONE
  - g GREY TO BLACK SILTSTONE AND ARGILLITE
  - F FORT STEELE FORMATION: WHITE CROSS-BEDDED QUARTZITE, MUD-CRACKED SILTSTONE, ARGILLITE

- SYMBOLS**
- ..... GEOLOGICAL CONTACT: DEFINED, APPROXIMATE, ASSUMED
  - ..... FAULT: DEFINED, APPROXIMATE, ASSUMED
  - ..... ANTICLINE - AXIAL SURFACE
  - ..... BEDDING (S<sub>1</sub>): VERTICAL, INCLINED, OVERTURNED
  - ..... FOLIATION, CLEAVAGE (S<sub>2</sub>)
  - ..... LINEATION (S<sub>3</sub> - S<sub>4</sub> INTERSECTION)
  - ..... FOLD AXIS
  - ..... MINERAL DEPOSIT
  - ..... LIMITS OF OUTCROP (OR MAPPING)
  - ..... ROAD: HARD SURFACE, LOOSE SURFACE
  - ..... CART TRACK; TRAIL
  - ..... RAILROAD
  - ..... SOURCES OF INFORMATION



PM 36  
181