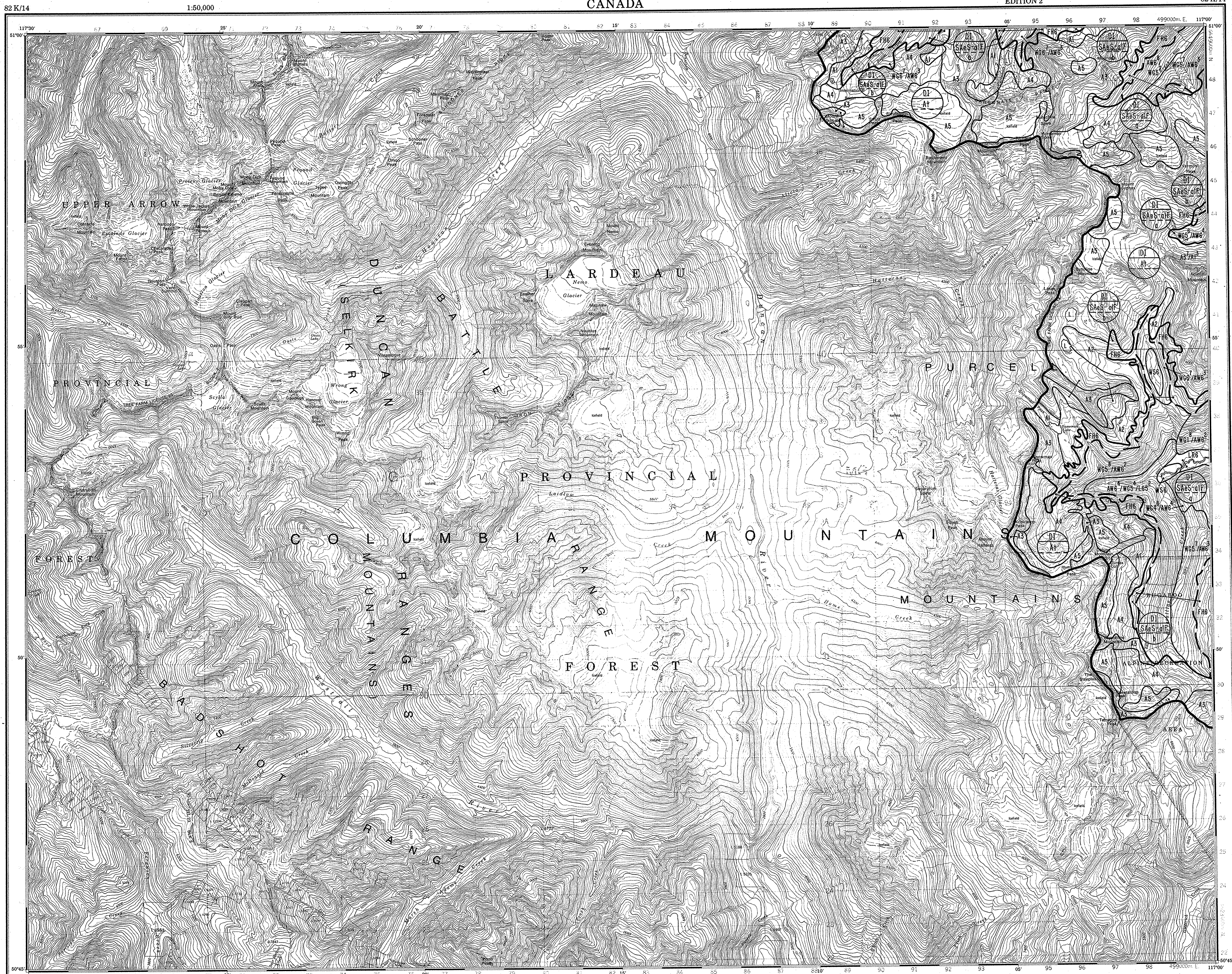


**PURCELL MOUNTAINS**  
1982-83, 82 K/14

CANADA

EDITION 2

82 K/14



**VEGETATION ZONATION AND VEGETATION LANDSCAPES**  
for the Purcell Biophysical Area

**1. Explanatory Notes**

This vegetation map depicts Vegetation Zones, Subzones, and Vegetation Landscape Units.

A **Vegetation Zone** is an area in which broad regional climate and physiographic patterns determine the distinctive vegetation patterns of an area. A **Vegetation Subzone** is an area of the landscape for which similar habitats are present (similar altitudes, aspect, vegetation). A **Vegetation Landscape Unit** is an area within a zone defined on the basis of characteristic vegetation, all forms of the dominant vegetation, or vegetation landscape. An area that is relatively homogeneous with respect to soils, surficial materials, climate and geographical position. Vegetation landscape units are stages which have similar disturbance history.

Vegetation is mapped at a scale of 1:50,000 for part of the national Topographic Series (D63) numbered 802, that is the part east of the ridge of the Purcell Mountains.

An expanded legend is available for the study area (see 9).

**2. Map Boundaries**

--- Vegetation Zone  
--- Vegetation Subzone  
--- Vegetation Landscape Unit

**3. Examples of Map Symbols**

a) Vegetation Zone, Subzone and Subzone

b) Vegetation Landscape Unit

**4. Composite Units**

Composite units are used where two or three types of landscape units are so distributed that they cannot be designated as separate units at the scale of mapping.

Superscript numbers show the relative percentages, in tenths, of each landscape unit.

**5. Vegetation Regions**

MAP SYMBOL	REGION
	Interior Region (R1)
	Interior West Belt Region (R2)

**6. Vegetation Zones and Subzones**

MAP SYMBOL	ZONE	SUBZONE
	Interior Rocky Mountain Douglas-fir zone (Z1)	
	Interior western spruce zone (Z2)	
	Subalpine Engelmann spruce zone (Z3)	
	Alpine fir zone (Z4)	
	Subalpine Douglas-fir zone (Z5)	
	Interior western hemlock zone (Z6)	
	Subalpine spruce zone (Z7)	
	Alpine spruce zone (Z8)	
	Subalpine fir zone (Z9)	
	Alpine spruce zone (Z10)	

**7. Vegetation Landscapes and Stages**

**7a. VEGETATION LANDSCAPES**

Vegetation Landscapes of the Interior Rocky Mountain Douglas-fir zone: L1, L2, L3, L4, L5, L6, L7, L8, L9, L10, L11, L12, L13, L14, L15, L16, L17, L18, L19, L20, L21, L22, L23, L24, L25, L26, L27, L28, L29, L30, L31, L32, L33, L34, L35, L36, L37, L38, L39, L40, L41, L42, L43, L44, L45, L46, L47, L48, L49, L50.

**7b. VEGETATION STAGES**

Vegetation Landscapes of the Interior Rocky Mountain Douglas-fir zone: S1, S2, S3, S4, S5, S6, S7, S8, S9, S10, S11, S12, S13, S14, S15, S16, S17, S18, S19, S20, S21, S22, S23, S24, S25, S26, S27, S28, S29, S30, S31, S32, S33, S34, S35, S36, S37, S38, S39, S40, S41, S42, S43, S44, S45, S46, S47, S48, S49, S50.

**8. Sources of Information**

- British Columbia Ministry of Forests
  - Forest Cover Map
  - Upper Kootenay R.F.S. (1981)
  - Eastman R.F.S. (1981)
  - Crabtree R.F.S. (1981)
  - Wilderness R.F.S. (1981)
- Individual sample volume statements - 20 plots
- Research Branch Data - Kootenay Region vegetation and soil survey - 45 plots
- Kootenay National Park
  - Forest Cover Map - 1981
  - Vegetation and soil survey - 95 plots
- Crabtree Forest Industries Ltd.
  - Tree Data Collection - Forest cover map - 1981
  - Vegetation and soil survey - 35 plots (survey by Planting Consultants)
- Planting Consultants
  - Map of Columbia River Watershed - 1982
- British Columbia Ministry of Environment
  - Soil Inventory Map 1974-1975
  - Vegetation Survey - 70 plots - 1981
- Canada Department of Energy, Mines and Resources
  - 80 aerial air photographs - August 1970, June 1976

**9. For Further Information**

**9a. References**

Lee, E. C. 1982. Explanatory legend for the Purcell Study Area. British Columbia Ministry of Environment, Victoria, British Columbia.

Additional vegetation data and more detailed information is available from:

British Columbia Ministry of Forests  
 British Columbia Ministry of Environment  
 Agriculture and Agri-Food Canada  
 Ministry of Forests, British Columbia  
 Ministry of Environment, British Columbia  
 Ministry of Forests, British Columbia

**9b. Additional vegetation maps and reports are available from:**

NRS - B.C.  
 Survey and Resource Mapping Branch  
 British Columbia Ministry of Environment  
 Agriculture and Agri-Food Canada  
 Victoria, British Columbia  
 0261 267 - 2682

**10. Credits**

Prepared by: E. C. Lee

Year of Field Mapping: 1982 - 1983

Drafted by: Cartography Unit, Survey and Resource Mapping Branch, Ministry of Environment, Victoria, British Columbia

Base drafted: 1983

Revision Dates:

Base Map Provided by: Survey and Resource Mapping Branch, Ministry of Environment, Victoria, British Columbia

**11. Observation and Sample Plot Distribution**

Produced by the SURVEY AND MAPPING BRANCH, DEPARTMENT OF ENERGY, MINES AND RESOURCES, CANADA

WESTFALL RIVER  
KOOTENAY LAND DISTRICT  
BRITISH COLUMBIA  
Scale 1:50,000 Echelle

CONVERSION SCALE FOR ELEVATIONS  
Metres 0 20 40 60 80 100 200 400 600 800 1000 1200 1400 1600 1800 2000  
Feet 0 70 140 210 280 350 700 1400 2100 2800 3500 4200 4900 5600 6300 7000

ESCHELLE DE CONVERSION DES ÉLEVATIONS  
Mètres 0 20 40 60 80 100 200 400 600 800 1000 1200 1400 1600 1800 2000  
Pieds 0 70 140 210 280 350 700 1400 2100 2800 3500 4200 4900 5600 6300 7000

CONTOUR INTERVAL: 300 FEET / ÉCHELLE DES COURTES: 300 MÈTRES

FOR COMPLETE REFERENCE SEE REVERSE SIDE / POUR UN LIÈRE COMPLÈTE DES DONNÉES, VOIR AU VERSO

82K/14

Purcell Biophysical 82K/14