



# DEWDROP-TRANQUILLE RIVER

## Vegetation Zonation and Vegetation Landscapes

### 1. Explanatory Notes

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

A **Vegetation Region** is an area in which broad regional climate and physiography determine the definitive vegetation patterns of an area. A **Vegetation Section** is a subdivision of a Region that displays recognizably different zonation patterns resulting from variations in climate within the Region. A **Vegetation Zone** is an area in which the dominant vegetation of climate stands on similar soils and terrain is similar. A **Vegetation Subzone** is an area within a Zone defined on the basis of climate-related successional trends of the dominant vegetation. A **Vegetation Landscape** is an area that is relatively homogeneous with respect to soils, surficial materials, climate and successional trends. Vegetation Landscapes are divided into stages which have similar disturbance history.

Vegetation is mapped at a scale of 1:50 000 for part of the National Topographic Series (NTS) mapsheet 92/NE.

Reports and an expanded legend are available for the study area (see Box 9).

### 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 tons, of each landscape unit.

WS1/NS1  
60% of unit 40% of unit

### 2. Map Boundaries

— Vegetation Zone  
— Vegetation Subzone  
— Vegetation Landscape Unit

### 3. Examples of Map Symbols

a) Vegetation Region, Section, Zone, and Subzone (see Box 5 and 6)

Region — Section  
Zone — Subzone

b) Vegetation Landscape Unit

Vegetation Landscape — Stage (see Box 7B)  
LP 3a

### 5. Vegetation Region and Section

MAP SYMBOL	REGION	SECTION
DI-1	Dry Interior Region (DI)	
DI-1		Ashcroft Section (1)

### 6. Vegetation Zones and Subzones

MAP SYMBOL	ZONE	SUBZONE
DI-1 IBG	Interior Bunch Grass Zone (IBG)	
DI-1 ID	Interior Rocky Mountain Douglas-fir Zone (ID)	
DI-1 ID a		Ponderosa Pine Subzone (a)
DI-1 ID b		Lodgepole Pine Subzone (b)
DI-1 EAS-SP	Subalpine Engelmann Spruce - Alpine Fir Zone (EAS-SP)	
DI-1 EAS-SP c		Rocky Mountain Douglas-fir - Lodgepole Pine Subzone (c)

### 7. Vegetation Landscapes and Stages

#### 7A. VEGETATION LANDSCAPES

MAP SYMBOL	VEGETATION LANDSCAPE
BM	Western birch - Rocky Mountain maple
CD	Black cottonwood - red-osier dogwood
CF	Cultivated fields
NS	Needle-and-thread grass - big sagebrush
PJ	Ponderosa pine - Rocky Mountain Juniper
RW	Common rabbitbrush - bluebunch wheat grass
SC	Common saskatoon - choke cherry
SS	Big sagebrush - prairie sagebrush
WS	Bluebunch wheat grass - big sagebrush

#### Vegetation Landscapes of the Interior Bunch Grass Zone

CS	Black cottonwood - white spruce
DJ	Rocky Mountain Douglas-fir - Rocky Mountain Juniper
DS	Rocky Mountain Douglas-fir - common salsuginella
PC	Ponderosa pine - snowbush ceanothus
PF	Ponderosa pine - rough fescue
PR	Ponderosa pine - common rabbitbrush
PS	Ponderosa pine - big sagebrush
PW	Ponderosa pine - bluebunch wheat grass
SP	Saline pond

#### Vegetation Landscapes of the Interior Rocky Mountain Douglas-fir Zone: Lodgepole Pine Subzone

AP	Trembling aspen - pine grass
AS	Trembling aspen - white spruce
BA	Paper birch - trembling aspen
CF	Cultivated fields
CM	Cattail marsh
CS	Black cottonwood - white spruce
DC	Rocky Mountain Douglas-fir - redstem ceanothus
DM	Rocky Mountain Douglas-fir - moss
DW	Rocky Mountain Douglas-fir - bluebunch wheat grass
LP	Lodgepole pine - pine grass
LS	Lodgepole pine - spruce
SF	Sedge fen

#### Vegetation Landscapes of the Subalpine Engelmann Spruce - Alpine Fir Zone: Rocky Mountain Douglas-fir - Lodgepole Pine Subzone

LD	Lodgepole pine - Rocky Mountain Douglas-fir
LG	Lodgepole pine - grouseberry
LL	Lodgepole pine - arctic lupine
SB	Sedges - glandular birch

#### 7B. SUCCESSIONAL STAGES

1	pioneer seral
2a	recent disturbance with veteran Rocky Mountain Douglas-fir tree cover
2b	young seral
3	young seral
4	young seral with veteran Rocky Mountain Douglas-fir tree cover
5	maturing seral
6	overmature seral
7	climax

### 8. Sources of Information

a) British Columbia Ministry of Forests  
1) Forest Cover Map  
Kamloops P.S.T.D. - 92/NE

b) British Columbia Ministry of Environment, Terrestrial Studies Branch  
1) Vegetation and soil survey (1981) - 75 plots  
11) Soil and Terrain maps (1982) - 1:50 000

c) British Columbia Ministry of Environment, Surveys and Mapping Branch  
1) 1:50 000 aerial photographs (1976)

### 9. For Further Information

a) References

Blower, D., E. C. Lea, D. J. Low, T. Vold and R. J. Williams (in preparation). Dewdrop - Tranquille River Biophysical Inventory of Wildlife Habitat for Management Purposes: Volume 1) Wildlife Interpretations. British Columbia Ministry of Environment.

Lea, E. C. 1983. Explanatory Legend for Dewdrop - Tranquille River Vegetation Map. British Columbia Ministry of Environment.

Lea, E. C., T. Vold and R. J. Williams (in preparation). Dewdrop - Tranquille River Biophysical Inventory of Wildlife Habitat for Management Purposes: Volume 2) Climate, Soils/Terrain and Vegetation Data Report. British Columbia Ministry of Environment.

Taylor, R. L. and B. McBryde. 1977. Vascular Plants of British Columbia: A Descriptive Resource Inventory. Technical Bulletin No. 4. The Botanical Garden, University of British Columbia, U. B. C. Press, Vancouver, British Columbia, 754 pp.

Surveys and Resource Mapping Branch (in preparation). Vegetation Mapping Methodology Manual. Victoria, British Columbia.

b) Additional vegetation data and more detailed information is available from:  
Head, Vegetation Unit  
Surveys and Resource Mapping Branch  
British Columbia Ministry of Environment  
Parliament Buildings  
Victoria, British Columbia  
VBV 134  
(604) 387 - 4441

c) Additional vegetation maps and reports are available from:  
Map Library  
Planting and Resource Management Division  
British Columbia Ministry of Environment  
Parliament Buildings  
Victoria, British Columbia  
VBV 134  
(604) 387 - 6995

### 10. Credits

Mapped by: E. C. Lea

Date of field mapping: 1982

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Surveys and Resource Mapping Branch,  
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Kamloops, British Columbia

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Base map provided by: Surveys and Resource Mapping Branch,  
Ministry of Environment,  
Victoria, British Columbia

### 11. Observation and Sample Plot Distribution

— Fall and track routes travelled  
• observation and soil plots  
— Study area boundary