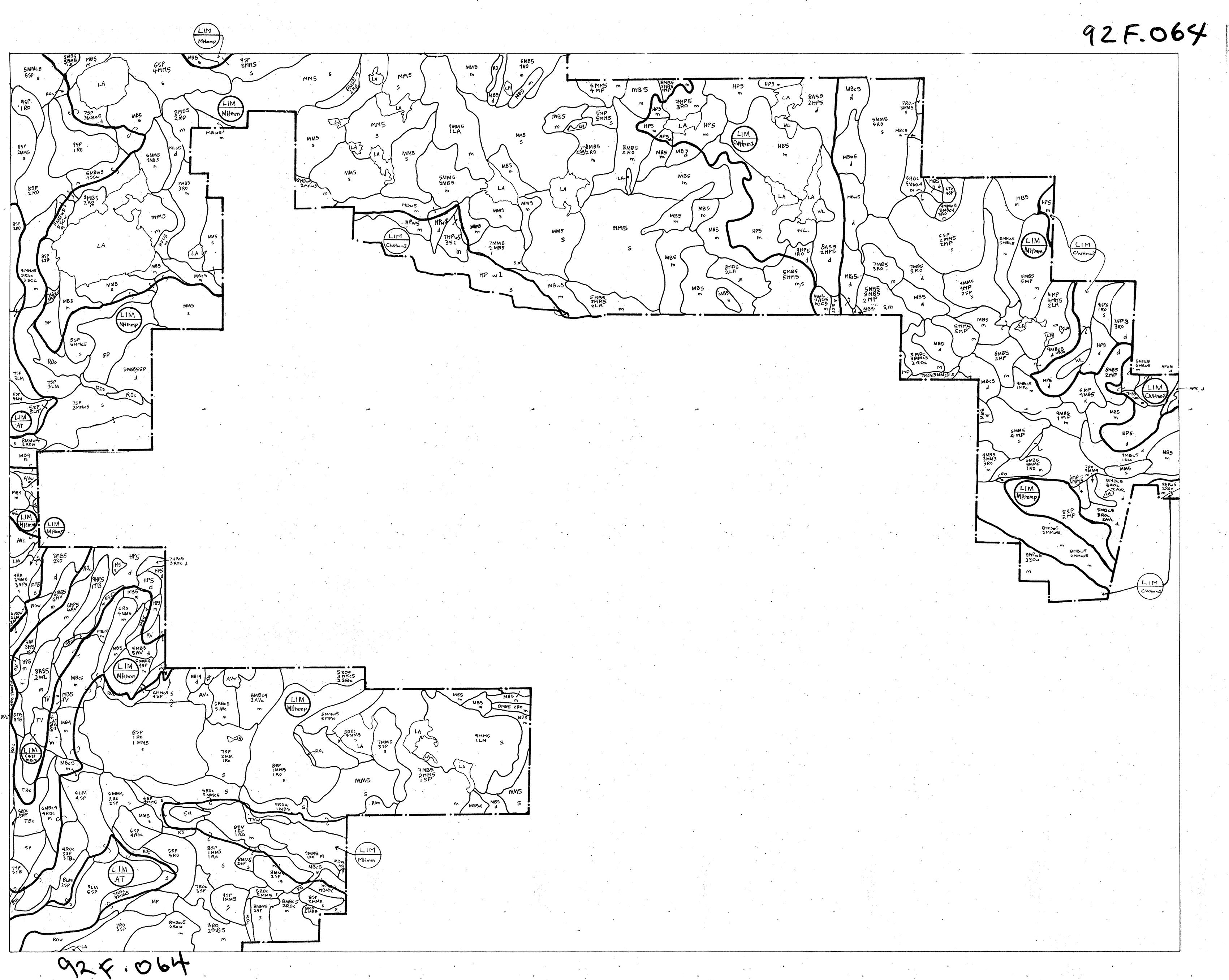
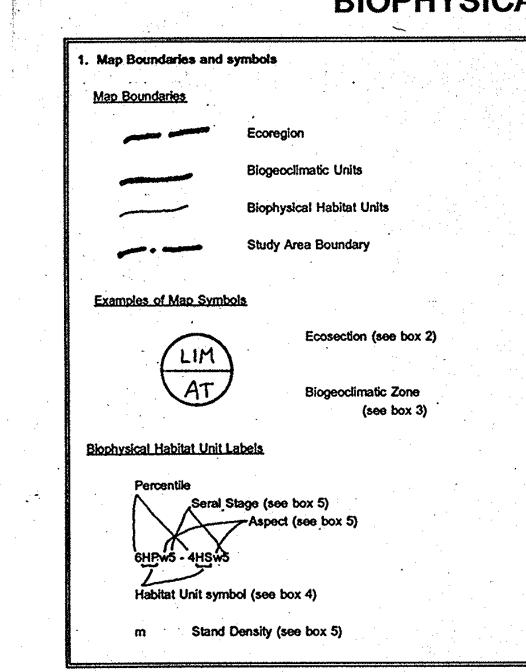
STRATHCONA PROVINCIAL PARK 1993, 92F .064



## STRATHCONA PROVINCIAL PARK **BIOPHYSICAL HABITAT**



acroclimatic p	re large, subregional a process or interacting p terized by all plant come al, 1989).	rocesses over a larg	je physiographic
Map Symbol	Ecosection	Ecoregion	Ecoprovince
LIM	Leeward Island Mountains	Eastern Vancouver is	Georgia Depression
NIM	Northern Island Mountains	Western Vancouver Is	Coast and Mountains

Vancouver Island Ranges to the Nanaimo Lowlands. Northern Island Mountains Ecosection. This ecosection is an area

of low to rolling topography with high precipitation located at the north end of Vancouver Island.

WM	Windward Island Mountains Econol Islands, islands and mo	
	Vancouver Island.	

Sitka spruce - salmonberry, high floodplain Black cottonwood - red-osier dogwood, medium floodplain Habitat Units of the CWHvm1 and 2 Western hemlock - cladina, shallow soils

Western hemiock - salal, dry Western hemlock - blueberry, mesic Amabilis fir - foamflower, rich mesic Amabilis fir - salmonberry, moist Western redcedar - goldthread, depression (vm2 only) Black Cottonwood - red-osier dogwood, medium floodplain

Sedge/grass estuary (vm1 only) Mountain hemlock - blueberry, meslc Mountain hemiock - deer cabbage, wet depression

Mountain hemlock - blueberry forest

Yellow cedar - hellebore

slide-composite vegetation

A biogeoclimatic unit is an area characterized by a distinct climatic climax or zonal ecosystem association. A subzone consists of unique sequences of geographically related ecosystems influenced by one type of regional climate (Utzig, et al. 1983).

> COASTAL WESTERN HEMLOCK - western very dry maritime subzone occurs at lower elevations along the east side of Vancouver Island. Characterized by warm, dry summers and moist, mild winters with relatively little snowfall. Growing seasons are long and feature water

CWHmm1 & 2 COASTAL WESTERN HEMLOCK - moist maritime subzone mm1: Submontane The submontane variant occurs on the leeward side of the Vancouver Island Ranges above the CWHxm subzone and below 650m. Climatic conditions are intermediate between CWHxm and CWHvm subzones with moist, mild winters and cool but relatively dry summers.

mm2 - Montane The montane variant occurs at higher elevations on the leeward side of the Vancouver Island Ranges between 650 and 1000m. Compared to CWHmm1 this subzone has cooler temperatures, shorter growing seasons and heavier snowfall, with snowpacks persisting throughout the winter.

CWHvm1 & 2 COASTAL WESTERN HEMLOCK - very wet maritime vm1 - Submontane The submontane variant occurs below 600m on the windward slopes of Strathcona Park. This subzone has a wet, humid climate with cool summers and mild winters featuring relatively little snow. Growing seasons are long. Precipitation is high but can vary considerably.

The montane variant occurs at higher elevations (600 -1000m), above the CWHvm1. It grades into the MH zone above. Characterized by a wet, humid climate with cool, short summers and cool winters featuring substantial

> MOUNTAIN HEMLOCK - moist maritime subzone occurs at high elevations (1000 - 1300m). It has long, moist, cold winters and short, cool moist summers. Frozen soils are rare due to insulating snowpack, but growing season frosts are common. Total snowfall is great, resulting in substantial snowpacks that can persist into July. MOUNTAIN HEMLOCK PARKLAND - moist maritime

characterized by low growing season temperatures and a very short frost-free period.

parkland subzone occurs above the MHmm (1300m). The climate is harsher than in the MHmm. If trees occur at all they are in isolated clumps and irregular small patches. ALPINE TUNDRA zone occurs on high mountains throughout B.C. In Strathcona Park it occurs above 1650m. The harsh alpine climate is cold, windy, and snowy, and is

5. Successional Stage/Aspect/Stand Density FOREST SUCCESSIONAL STAGES Shrub-Herb Pole-Sapling Young Forest Mature Forest cool aspect slopes facing approximately 280° - 135° dense canopy: greater than 65% cover moderate canopy: 25 - 65% cover sparse: less than 25% cover

8. Survey and Credits

107, 237; BC80072: 4-50, 106-187, 226-260, 264-291, 296-297; BC80073: 10-36, 43-66, 71-86, 101-103, 261-262, 288-291; BC80093: 123-162; BC80095: 18-53, 59-86, 226-250, 257-277; BC80096: 143-159, 166-177; BC81010: 164, 165; BC81072; 168-172; BC84026; 107-115, 167-173; BC84028; 22-28, 209, 210, 213-218; BC84031: 28-37

Fieldwork: Minimal field checking was undertaken from July 19 to August 8, 1993. Less than 0.5% of the polygons were fieldchecked. Mapped by: Madrone Consultants Ltd. 1994

In 1993 BC Parks (South Coast) initiated the Strathcona Provincial Park project to provide habitat mapping for effective vegetation and wildlife management.

The project area is over 230,000 hectares in size and is located in the central portion of Vancouver Island straddling the Vancouver Island Mountains. Three ecosections, eight biogeoclimatic zones and 65 biophysical habitat units fall within the study area. Mapping is at a scale of 1:20,000 for BCGS map sheets 92E.100, 92F.041, 042, 043, 044, 051, 052, 053, 054, 061, 062, 063, 064, 065, 071, 072, 073, 074, 081, 082, 091, 092, 92K.001, and 92L.010.

