

Sensitive and Terrestrial Ecosystems Labels



Sensitive Ecosystems Inventory of the Sunshine Coast and Adjacent Islands



Table with 4 columns: Polygon Number, SE Class, SE Subclass, and Site Unit Name. Lists various ecosystem polygons and their classifications.

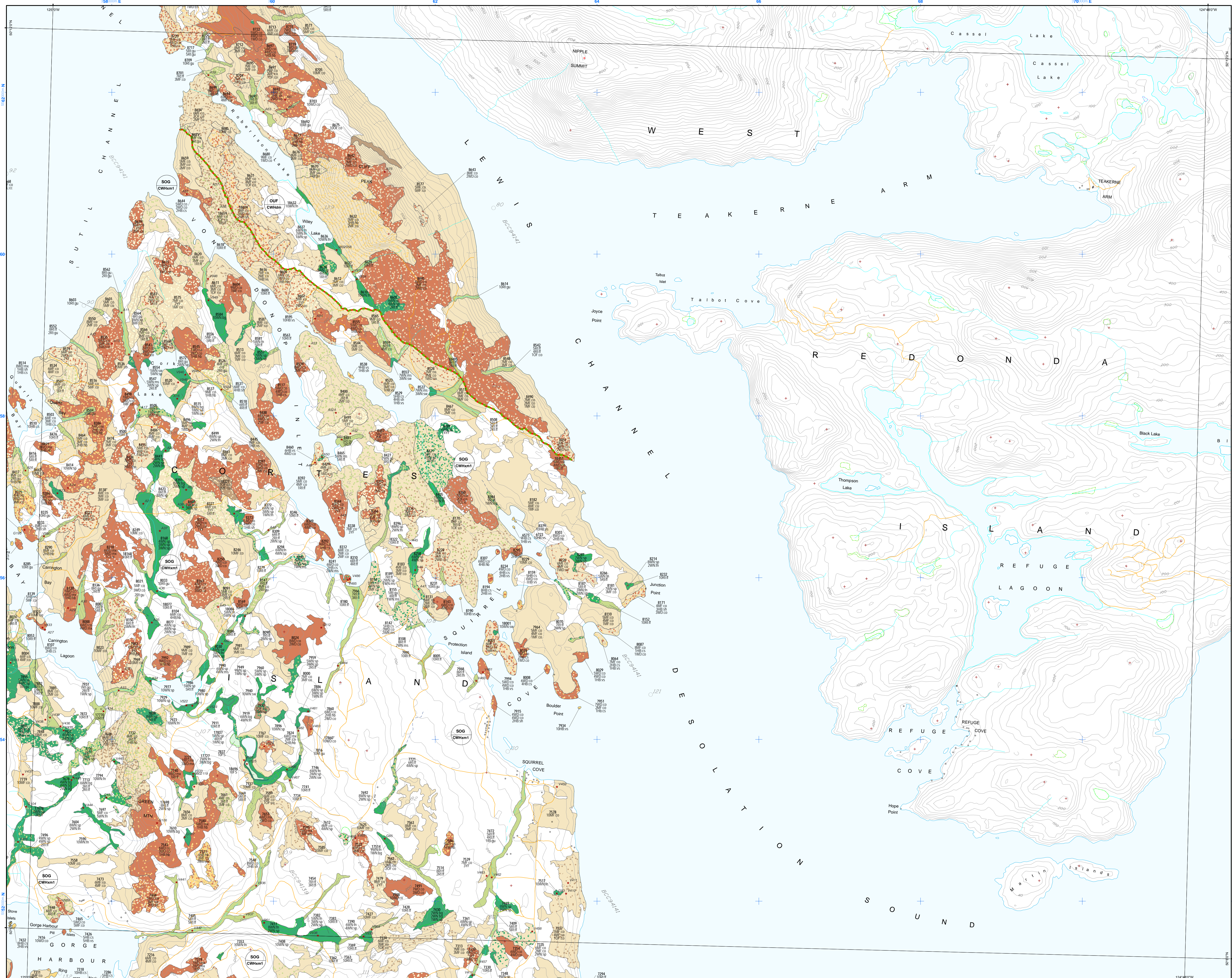


Table titled 'Sensitive and Terrestrial Ecosystems Label' and 'Terrestrial Ecosystem Map Codes and Site Unit Names'. Contains detailed codes and descriptions for different ecosystem types.

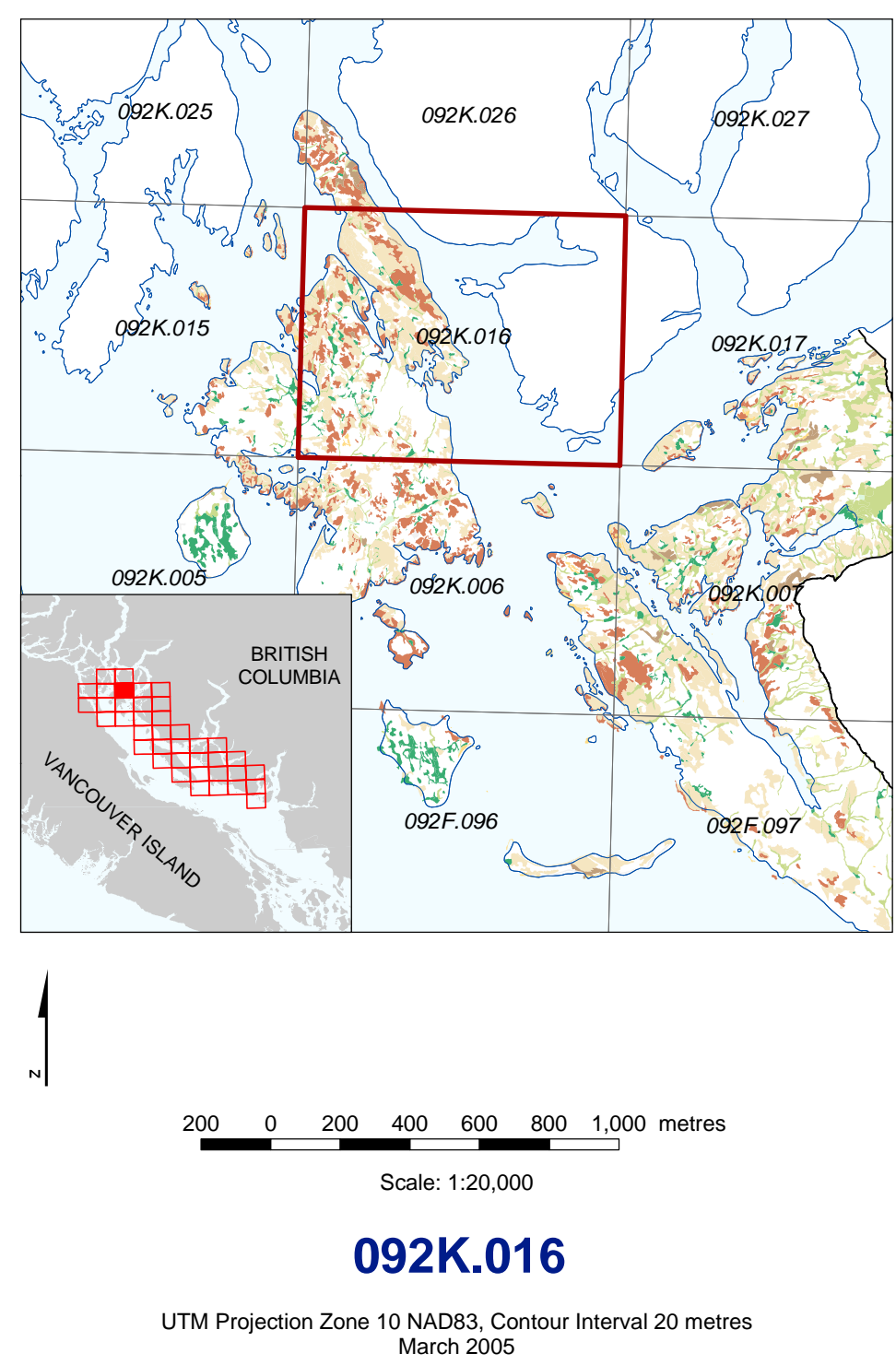
What is a Sensitive Ecosystem? For the purpose of this study, an ecosystem is considered to be a portion of the landscape with relatively uniform dominant vegetation.

Rationale Ecologically significant lands and important wildlife habitats are fast disappearing through the landscape surrounding the Strait of Georgia. Intense development pressures fuelled by population and economic growth have fragmented and degraded many terrestrial ecosystems. A high proportion of these ecosystems are now designated as 'at risk'.

Methodology The mapping methods are based on the Vancouver Island SEI project and the Resources Information Standards Committee (RISC) Standard for Terrestrial Ecosystem Mapping (TEM) in BC. Ecosystem categories include six Sensitive Ecosystem (SE) classes, two Important Ecosystem classes, and one Other Ecosystem class.

Plan and implement all development activities in a manner that will not adversely affect or disturb the sensitive ecosystem. Consult a qualified professional to interpret the ecological inventory data and work to incorporate designs that maintain the functions and values of the natural ecosystem.

A property owner: learn more about the natural values of your land, including the location of any sensitive ecosystems. Find out how to protect, maintain, and enhance those values. Consider using conservation covenants or other measures to ensure that the natural features you value are protected in perpetuity.



Sensitive Ecosystems

Sensitive ecosystems are fragile and/or rare, or are ecologically important because of the diversity of species they support.

- Old Forest (OF): Conifer-dominated dry to moist forest types, structural stage 7 (see table), generally >50yrs. Subclasses: co (conifer dominated) - greater than 75% coniferous species.
Woodland (WD): Dry open forests, generally between 10 and 30% tree cover, can be conifer dominated or mixed conifer and shrubs. Subclasses: co (conifer dominated) - greater than 75% coniferous species.
Herbaceous (HB): Non-forested ecosystems less than 10% tree cover, generally with shallow soils and often with banded outcroppings. Subclasses: hb (herbaceous) - central concept of the category, non-forested, less than 10% tree cover.
Riparian (RI): Areas adjacent to water bodies (rivers, lakes, ocean, wetlands) which are influenced by factors such as erosion, sedimentation, flooding and/or subterranean irrigation due to proximity to the water body. Subclasses: ri (low bench floodplain) - flooded at least every other year for moderate periods of growing season.
Wetland (WN): Areas that are saturated or inundated with water for long enough periods of time to develop vegetation and biological activity adapted to wet environments. Subclasses: wn (nutrient poor wetland on organic soils) - nutrient poor wetland on organic soils (sphagnum peat), water sedge prairie from precipitation may be tree or shrub dominated.
Cliffs (CL): Very steep slopes, often exposed bedrock, may include steep sided sand cliffs, habitat for rare species. Subclasses: cc (coniferous cliffs), ic (mixed cliffs).
Other Important Ecosystems: Other important ecosystems have high biodiversity values.
Mature Forests (MF): Usually conifer-dominated, occasionally deciduous, dry to moist forest types, structural stage 6, generally >50yrs - >20% of buffering sensitive ecosystems. Subclasses: co (conifer dominated) - greater than 75% coniferous species.
Seasonally Flooded Agricultural Fields (FS): Annually flooded cultivated fields or hay fields; important migrating and wintering waterfowl habitat.
Other Mapped Ecosystems: Other mapped ecosystems occur in mosaic with sensitive ecosystems and are not possible to delineate separately at the mapping scale.
Young Forests (YF): Limited to areas of young forest dispersed among sensitive and other important ecosystems.
Polygon Label: Indicates a field sample was completed but was not mapped.
Ecosystem Components: The cartographic product uses Dot Density to indicate where more than one ecosystem class is mapped in a polygon. The number of dots indicates the proportion of the polygon represented by the 2nd and 3rd ecosystem; the colour of the dots indicates the 2nd and 3rd ecosystem class.
Biogeoclimatic Units: CDM1 Coastal Douglas-fir Moist Maritime Subzone, CWH1 Coastal Western Hemlock Moist Maritime Subzone, CWH2 Coastal Western Hemlock Dry Maritime Subzone, CWH3 Coastal Western Hemlock Submontane Very Wet Maritime Variant.
Ecosystems: GEL Georgia Lowlands Ecosystem, SOG Strait of Georgia Ecosystem, QJF Outer Fjordland Ecosystem, SPR Southern Pacific Ranges Ecosystem.
Map Symbols: Polygon Boundary, Biogeoclimatic Boundary, Ecosystem Boundary, Field Area Boundary, Road, 20m contour, Additional streams, Intermittent/Seasonal Stream, Drainage Route, Field sample point, Flight line, Air photo centre.