

**Table 1 – Summary of Land Cover Mapping**

Proposed land cover classes Biodiversity Atlas	Landcover of Canada Class Index <sup>1</sup>	Provincial <sup>2</sup>	Metro Vancouver <sup>3</sup>	City of Richmond <sup>4</sup>	City of Pitt <sup>5</sup> Meadows	TerrAdapt <sup>6</sup>	Sensitive Ecosystem Inventory
Urban and built up  Additional tree over road classification?	Urban and built up	Developed land	Buildings Paved Other Built	Unvegetated	Urban Modified	Developed high intensity Developed medium-low intensity Major road.	-
Barren lands  Anthropogenic – gravel road, quarries versus Natural – rock outcrops What about forest slash?	Barren lands	Exposed land, rock/rubble	Barren soil	Sparse vegetation	Sparsely vegetated	Barren	Cliffs – coastal cliffs, inland cliffs
Needleleaf forest	Temperate or sub polar needleleaf forest	Coniferous forest	Coniferous	Forest – attributes of structure and condition applied	Old forest, Mature forest, Young forest, Woodland	Coniferous forest	Old forest – conifer dominated Mature forest – conifer dominated, mixed conifer and deciduous Young forest Woodland – conifer dominated, mixed conifer and deciduous
Broadleaf deciduous forest	Temperate or sub polar broadleaf deciduous forest	Broadleaf forest	Deciduous			Deciduous forest	
Mixed Forest  At 3 m this classification may not be needed	Mixed forest	Mixed forest	-			-	
Shrubland	Temperate or sub polar Shrubland	Shrubland	Shrub	Shrubland	-	Mesic shrub Xeric shrub	-
Herbland	-	Herbland	Modified grass/herb-parks, lawns, golfcourses Natural grass /herb-alpine meadows, near shore grassland GO meadows.	Herbaceous	-	Mesic grass/forb Xeric grass/forb	Herbaceous – herbaceous, coastal herbaceous, vegetated shoreline, spit, dunes, shrub component.
Grassland  Managed grassland? Natural grassland?	Temperate or sub polar grassland	Grassland		Lawns/gardens	Parks	Pasture Fallow	-
-	-	-	Non-photosynthetic vegetation	-	-	-	-
Cropland	Cropland	Annual cropland Perennial cropland	-	Agricultural fields	Old field Agriculture Rural	Mesic rowcrops Orchard Xeric rowcrops	Seasonally flooded agricultural fields
Water	Water	Water	Water	-	Riparian Fresh water	Water	Riparian – low bench floodplain, medium bench floodplain, high bench floodplain, fringe, gully riparian, river
Wetland	Wetland	Wetland	-	Larger wetlands	Wetland	Emergent wetland Woody wetland	Wetland – bog, fen, marsh, swamp, shallow water, wet meadow
Snow and ice	Snow and ice	Snow/ice	Clouds/Ice	-	-	Snow and ice	-

<sup>1</sup> Land Cover Canada - [https://drive.google.com/file/d/1TvOzdLO\\_N86HfsiJQtnE3BdfAFL1s0ux/view](https://drive.google.com/file/d/1TvOzdLO_N86HfsiJQtnE3BdfAFL1s0ux/view)

<sup>2</sup> Provincial - GeoBase Land Cover 1:250,000, 2014

<sup>3</sup> Metro Vancouver - <https://gisportal.metrovancouver.org/portal/apps/sites/#/open-data-portal/datasets/19be85b54b4d4b2094bc659a9161e1d4/about>

<sup>4</sup> Richmond - [https://www.richmond.ca/\\_\\_shared/assets/Ecological\\_Network\\_Management\\_Strategy42545.pdf](https://www.richmond.ca/__shared/assets/Ecological_Network_Management_Strategy42545.pdf)

<sup>5</sup> City of Pitt Meadow - [https://www.pittmeadows.ca/sites/default/files/docs/city\\_of\\_pitt\\_meadows\\_environmental\\_inventory\\_and\\_management\\_strategy.pdf](https://www.pittmeadows.ca/sites/default/files/docs/city_of_pitt_meadows_environmental_inventory_and_management_strategy.pdf)

<sup>6</sup> TerrAdapt -

[https://terradapt.org/regions/Cascadia/visualisations/map?view=map&state\\_version=1&init\\_time=1706223031610&scope=monitor&theme=landscape&layer=landcover&sub\\_layer=landcover\\_class&overlay=null&baseLayer=Terrain&map\\_opacity=0.7&map\\_speed=500&map\\_primary\\_layer=null&map\\_secondary\\_layer=null&dashboard\\_region=null&dashboard\\_region\\_id=null&dashboard\\_region\\_id\\_friendly=null&dashboard\\_start\\_year=null&dashboard\\_end\\_year=null&start\\_year=2022&end\\_year=null](https://terradapt.org/regions/Cascadia/visualisations/map?view=map&state_version=1&init_time=1706223031610&scope=monitor&theme=landscape&layer=landcover&sub_layer=landcover_class&overlay=null&baseLayer=Terrain&map_opacity=0.7&map_speed=500&map_primary_layer=null&map_secondary_layer=null&dashboard_region=null&dashboard_region_id=null&dashboard_region_id_friendly=null&dashboard_start_year=null&dashboard_end_year=null&start_year=2022&end_year=null)