

CNWI BC Rapid Plot Form (2024)

INSTRUCTIONS

- The minimum wetland size to complete this form is a 30m x 30m area.
- Use the offline maps to place GPS point at least 15m away from the edge of wetland.
- Complete in a 30m x 30m plot that contains one wetland class and one surface cover (use Field Keys).
- “*” indicates the question is required.

GENERAL

1. Date / Time *		2. Project Area Name *	
3. Plot ID: (e.g. 001) *		4. Other Site ID	
5. Organization *		6. Surveyors *	
7. Weather		Lat / Long:	
8. Quantitative Plot? * i.e. were soil/veg forms completed?	Yes / No	If not quantitative, what kind of qualitative plot? *	Ground / Air-based
General Site Comments:			

PHOTOS

9. Describe 360 photo, drone photos and/or direction photos (N/E/S/W)	
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LANDSCAPE

10. Is wetland on a slope?	No slope	Yes - shallow (0-3%)	Yes - gentle (4-9%)
	Yes - moderate (10-15%)	Yes - steep slope (16%+)	Unsure
11. Is permafrost present?	Present	Absent	Unsure
12. Nutrient regime	Rich (>5.5 pH)	Poor (<5.5 pH)	Unsure
13. pH reading		14. pH method	Strip, water meter, soil meter

WATER

15. Water on surface? (in pond or puddle)	Yes	No	Unsure
16. Depth of water on surface? (cm)			
17. Hydrological System * Circle all that are affecting water flows to the wetland	Marine	Estuary	Riverine (flowing water)
	Palustrine (basin)	Lacustrine (stagnant water)	Lacustrine (stagnant reservoir water)
	Non-wetland	None apply (e.g. high elevation sloping bog)	
18. Hydroperiod? * Circle one	Ephemeral	Seasonal	Permanent
	Temporary	Semi-Permanent	Not applicable
19. Tidal? *	Yes	No	Unsure
20. Salinity? *	Fresh	Brackish	Saline
21. Salinity measurement (record unit)			
22. Raised from the adjacent terrain & no surface water connection? (i.e. true bog)	Yes	No	Unsure

VEGETATION

23. Surface cover (in 30 m plot)? * circle the first one that matches your plot. See Key.	a. Tree >25%	b. Shrub >25%	c. Woody >25%	d. Herbaceous >25%
	e. Bryophytes >25%	f. Aquatic veg >25%	g. Eelgrass >1shoot/m ²	h. Macro algae >25%
	i. Sediment >25%	j. Bedrock >25%	k. Water >25%	l. Snow/Ice >25%
	m. Anthropogenic	n. Other	Notes:	



VEGETATION (CNT)

24. Woody Veg *	a. Type:		>75% conifer		>75% broadleaf		Mixed	
	b. Height:		<2m		2-5m		5-10m	
			10-25m		>25m			
	c. Canopy cover:		<1%		1-10%		10-25%	
			25-50%		50-75%		75-100%	
25. Herbaceous Veg Type *	Forbs >50%	Graminoids >50%	Aquatic >50%	Ferns >50%	Mixed			
26. Bryophyte Type *	Moss >50%		Lichens >50%			Mixed		
27. List vegetation species present								

SOIL

28. Soil Type * Circle one	Organic fibric / mesic	Top O horizon >40 cm deep, fibric/mesic texture – Von Post 1-6
	Organic humic	Top O horizon >40 cm deep, humic texture – Von Post 7-10
	Organic	Top O horizon >40 cm deep, any texture
	Shallow organic on bedrock	Top O horizon <40 cm deep, any texture, underlain by bedrock (coastal bogs)
	Organic soil over water	Top O horizon >40cm deep, underlain by water layer ('floating')
	Mineral soil (hydric)	Top O horizon <40cm deep. Showing strong signs of anerobic conditions in the upper 40 cm (e.g. gleying/mottling).
	Young mineral soil (hydric)	Top O horizon <40m deep. Showing poor signs of anerobic conditions in the upper 40 cm (e.g. gleying/mottling) due to rapid drainage disturbed soils. Must show obvious signs of wetland hydrology and wetland vegetation.
	Non-wetland soil	A soil not affected by water for enough time in the growing season to show signs of hydric soil activity (e.g. sufficient organic matter accumulation, mottling, gleying, etc.)
	Non-soil	A ground substrate that does not fit any of the above soil definitions – e.g., bedrock, ash, ice, anthropogenic.
	Soils not assessed (i.e. plot is qualitative and cannot make an educated guess).	

CANADIAN WETLAND CLASSIFICATION

29. What is the Canadian Wetland Class? *See Key.	Shallow Open Water	Marsh	Swamp
	Fen	Bog	Non-wetland
30. Confidence in the Canadian Wetland Class? *	Low	Medium	High
31. BC Site Association / Site Series (e.g. Wm5, Wb01, etc. and notes)			
32. Red / Blue listed BC ecosystem?	Yes	No	Unsure

IMPACTS AND DISTURBANCE

33. Is the wetland impacted or disturbed? *	Yes	No	Unsure
34. Describe Disturbance (and perhaps required restoration interventions)			