



Sample No. _____ Date / / Evaluator(s) _____

PRE-FIELD DESKTOP INFORMATION

T.1.1 Wetland Identification	
Wetland ID _____ Source: <input type="checkbox"/> FWA <input type="checkbox"/> Site Plan <input type="checkbox"/> Other – describe: _____	
Bio-geoclimatic Classification: _____ NDT _____ Total Wetland Area (m ²): _____	
UTM Coordinate Wetland Center: Zone _____ Easting _____ Northing _____	
Hydrogeomorphic System: <input type="checkbox"/> Estuarine <input type="checkbox"/> Fluvial <input type="checkbox"/> Basins & Hollows <input type="checkbox"/> Seepage Slopes <input type="checkbox"/> Marine <input type="checkbox"/> Lacustrine <input type="checkbox"/> Ponds & Potholes	
Wetland is hydrologically connected to a Stream? Y <input type="checkbox"/> N <input type="checkbox"/>	
T.1.2. First Nations Information	
List First Nations territories that overlap with wetland/block: _____	
Has/have the relevant First Nation office(s) been informed about this assessment? Y <input type="checkbox"/> N <input type="checkbox"/>	
Has/have the relevant First Nation community(ies) been invited to join the assessment? Y <input type="checkbox"/> N <input type="checkbox"/>	

T.1.3. Opening Information (Complete this section if located within 2 RMA widths of a cut-block):	
District: _____ Opening ID: _____ Licensee: _____	
Forest License: _____ Block: _____ Harvest year: _____	
Harvest Location (Select all sides that apply): North <input type="checkbox"/> East <input type="checkbox"/> West <input type="checkbox"/> South <input type="checkbox"/>	
Wetland Riparian Class: <i>on Plans</i> (e.g., unclassified, W1 – W5): _____ <i>in Field</i> : _____	
Riparian Mgmt Area: _____ m Riparian Reserve Zone: _____ m Riparian Mgmt Zone: _____ m (pg. 13)	

T.1.4. Riparian/Buffer Retention Information (Do not factor road crossings into measurements):	
Length of perimeter within assessment polygon (m): _____	
Length along wetland perimeter with full retention (m): _____; with partial retention (m): _____	
Avg. width of full treed retention present (max 100m): _____; Avg. width of treed retention present on section represented by recent harvest (from wetland edge) (max 100m): _____	
Average treed retention on section represented by recent harvest (% of basal area): _____	

T.1.5. Description of dominant upland vegetation strata around perimeter of wetland. Consider a width of 0m – 100 m away from wetland perimeter.						
Upland Descriptor for Vegetation Strata and age	Disturbance(s) (e.g., Pinebeetle, road, cutblock)	Width (if >100 m mark >100 m)	Length along perimeter (m)	Fraction along wetland perimeter. (Entire perimeter should equal 1) (Fb)	Number of Transects	Location(s) of Transect(s) along perimeter section (Use Random Number Generator and record in meters clockwise from start of new vegetation type)



T.1.6. Other Developments	
Number of road crossings: in assessment polygon _____, in wetland ____ on any upstream tributaries of the wetland _____.	
% of watershed developed upstream _____	Main development: _____

PRE-FIELD DESKTOP INFORMATION CONTINUED

T.2. LANDSCAPE INDICATORS		NA		
14a	% of upland area from wetland edge modified by human activities (30 m wide if small wetland (0-5 ha) and 50 m wide if large (>5 ha)) (pg. 44)	_____	%	
14b	% of wetland's shoreline visible from any point on a road, pipeline or powerline within 300 m of small wetlands or 500 m of large wetlands (pg. 44)	_____	%	
14c	% of wetland perimeter with right-of-ways within 100 m impinging on wetland's perimeter (pg. 45)	_____	%	
14d	Percent coverage of mature and old forest within 2 kilometers of the wetland perimeter greater than the minimal target for coverage for the area's respective bio-geoclimatic zone and natural disturbance type. (pg. 46)	_____	%	
		Y	N	NA
15a	Do all mapped and unmapped streams at roads and ROWs appear to be in their original water courses? (pg. 47)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15b	% of contributing basin intercepted by roads or ROWs (pg. 48)	_____	%	

SUPPLEMENTARY INFORMATION

T.3. SUPPLEMENTARY MANAGEMENT OBSERVATIONS		Y	N	NA
Boundaries on site plan for wetland coincide with observations in field:		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Retention around other wetlands observed on block?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Four-wheel drive access blocked on roads within 100 m from wetland edge?		<input type="checkbox"/>	<input type="checkbox"/>	
If rangeland present, measures taken to reduce/block livestock access to wetland edge?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



FIELD SAMPLING INFORMATION

Entire Wetland Sampled Partial Wetland Sampled

For all samples, record:

Total Polygon Assessed (m²) (Wetland assessed + 10 m upland riparian): _____

10 m Riparian Area Upland of Wetland Assessed (m²): _____ Wetland Assessed Size (m²): _____

T.4.1. TRANSECT INFORMATION										
UTM Coordinates at Wetland Edge				Transect Bearing into Wetland (0-360°)	Transect is representing wetland influenced from upland strata area composed of: (e.g., cut-block, mature forest, etc.)	End Type ¹	Trans.Length (TL) (m)	Fraction (Fa) Fa = TL / TTL	Upland Fraction (Fb) From T. 1.5	Weighted Fraction WF= (Fa + Fb)/2
UTM Zone	Easting	Northing								
T1										
T2										
T3										
Total Transect Lengths (TTL) (m)								1	1	NA

¹ C= Channel, Ww = Shallow open water, Ow = open water, Ot = other, E = End of 50 m transect, M = middle of wetland, NA = Not Applicable.

T.4.2. WETLAND PLOT INFORMATION					Soil	Water	Summary						
Transect	Plot ID	UTM Coordinates in wetland plots			Vegetation Zone Length (m)	Plot Location (C = Centre of veg. zone, E = End of zone)	Mineral or Humic / Organic Soil within 30 cm? (pg. 19)	Fibric or Mesic Organic Soil within 30 cm? (pg. 19)	Depth to water (cm) (Note: pos. is below surface, neg. is above surface)	pH	Temperature (Celsius)	Wetland Class (i.e. Wf = fen)	Wetland Plant Association (optional - if known) (e.g., Wf02)
		UTM Zone	Easting	Northing									
T_	P1												
T_	P2												
T_	P3												
T_	P4												
T_	P5												
T_	P6												
T_	P7												
T_	P8												
T_	P9												
T_	P10												
T_	P11												
T_	P12												
T_	P13												
T_	P14												
Question Indicator										13b	13b		



TRANSECT OBSERVATIONS UPLAND FROM WETLAND EDGE

T.5.1. WETLAND BUFFER INFORMATION							
Question Indicator		Transect Observations				% large non-homogenous patches outside transects but within upland area	Total = Sum of average % plus % from any non-homogenous large patches encountered
		T1	T2	T3	Transect Summary		
NA	Width (m) of retention treed upland from wetland (pg. 20) – Max 100 m				Weighted Average % (use Fb)*		
NA	% treed retention (basal area) upland from wetland (pg. 20)				Weighted Average % (use Fb)*		
3	% undesirable disturbance/increaser plants 10 m upland from wetland edge (pg. 22) – Tip: use Vegetation Plot Form to record details and tally percentages.				Weighted Average % (use Fb)*		
5a	% nonmerchantable conifers, understory deciduous trees, shrubs, and herbaceous vegetation retainment within 20 m upland from wetland edge (pg. 27)				Weighted Average % (use Fb)*		
					Weighted Average % (use Fb)*		
5b,5c,5d	% mature co-dominant windfirm conifers retained within riparian management zone (pg.27) RMZ width: ____m (pg. 13)				Weighted Average % (use Fb)*		
5b,5c,5d	% deciduous trees retained within riparian management zone (pg. 27) RMZ width: ____m (pg. 13)				Weighted Average % (use Fb)*		

*To calculate the weighted average, look up table on page 3 for Weighted Average (Fb), and use the following calculations:

Row 1 (____ x ____) + (____ x ____) + (____ x ____) = _____

Transect 1 (T1) width of treed retention (WTR) x T1 Fb + T2 WTR x T2 Fb + WTR x T3 Fb = Weighted Average

Row 2 (____ x ____) + (____ x ____) + (____ x ____) = _____

q3 (____ x ____) + (____ x ____) + (____ x ____) = _____

q5a (____ x ____) + (____ x ____) + (____ x ____) = _____

q5b, 5c, 5d (____ x ____) + (____ x ____) + (____ x ____) = _____

q5b, 5c, 5d (____ x ____) + (____ x ____) + (____ x ____) = _____

*Retrieve Fb from table 1.5.



Table 5.2. Windthrow upland 20 m of wetland with no RRZ; or upland 10 m of wetland with RRZ

Skip this question and mark NA if new windthrow from strata representing the recent harvest is not ob-served or very minimal.

NA

Question Indicator		Transect Observations			Weighted Average % use Fb	% large non-homogenous patches outside transects but within up-land areas	Total = Sum of average % plus % from any non-homogenous large patches encountered
		T1	T2	T3			
10a+b	# old windthrow (root wads still intact) (pg. 37) Note: If no windthrow is observed then record NA for all Q10 a+b cells				Eq. 7 (see below)		
10a+b	# new windthrow (live trees when thrown – snaps or root tipped)				Eq. 8 (see below)		
10a+b	# standing live trees				X		

eq. 1 _____ = (_____) ÷ (_____ + _____)
 T1%New W.T. = (T1New W.T.) ÷ (T1#standing trees + T1New W.T.)

eq. 2 _____ = (_____) ÷ (_____ + _____)
 T2%New W.T. = (T2New W.T.) ÷ (T2#standing trees + T2New W.T.)

eq. 3 _____ = (_____) ÷ (_____ + _____)
 T3%New W.T. = (T3New W.T.) ÷ (T3#standing trees + T3New W.T.)

eq. 4 _____ = (_____) ÷ (_____ + _____ + _____)
 T1%Old W.T. = (T1Old W.T.) ÷ (T1#standing trees + T1New W.T. + T1Old W.T.)

eq. 5 _____ = (_____) ÷ (_____ + _____ + _____)
 T2%Old W.T. = (T2Old W.T.) ÷ (T2#standing trees + T2New W.T. + T2Old W.T.)

eq. 6 _____ = (_____) ÷ (_____ + _____ + _____)
 T3%Old W.T. = (T3Old W.T.) ÷ (T3#standing trees + T3New W.T. + T3Old W.T.)

eq. 7 _____ = (_____ x _____) + (_____ x _____) + (_____ x _____)
 % Old W.T. = (eq.4 *T1Fb) + (eq.5 * T2Fb) + (eq.6.*T3Fb)

eq. 8 _____ = (_____ x _____) + (_____ x _____) + (_____ x _____)
 % New W.T. = (eq.1.*T1Fb) + (eq.2.*T2Fb) + (eq.3.*T3Fb)

Use workspace at the back of form to complete similar calculations if large homogenous patches of windthrow are observed.

*Retrieve Fb from table 1.5

Sample No. _____

CONTINUOUS FEATURES 10m UPLAND OF THE WETLAND EDGE

T.5.3. Bare Ground Hydrologically Connected to Wetland			
7b	If the transport of sediment from upland surrounding areas is observed to enter the wetland (within or outside of transects) then estimate the % bare and compacted ground hydrologically connected upslope of polygon (pg. 31)	Tally (m ²) of hydrologically connected areas	% (m ² total/ m ² polygon)

T.6. FORM VIGOR AND RECRUITMENT OF BUFFER FEATURES								
Using the table below, estimate the percent (%) of layers and features that are observed or have been 100% lost due to a disturbance. Additionally, using Yes or No answers, determine if layers and features show good form, recruitment, and vigor. This estimation is based only on the upland portion of the polygon. (Q4c+d, pg. 25)								
Layer	Check if present OR evidence of 100% lost	NA	Remaining after a disturbance (%)	Form (Y/N)	Vigor (Y/N)	Recruitment (Y/N)		
Snags	<input type="checkbox"/>	<input type="checkbox"/>			NA			
Over-story Trees	<input type="checkbox"/>	<input type="checkbox"/>						
Under-story Trees	<input type="checkbox"/>	<input type="checkbox"/>						
Tall Shrubs	<input type="checkbox"/>	<input type="checkbox"/>						
Low Shrubs	<input type="checkbox"/>	<input type="checkbox"/>						
Herbs	<input type="checkbox"/>	<input type="checkbox"/>						
Gaps	<input type="checkbox"/>	<input type="checkbox"/>			NA			
Mosses	<input type="checkbox"/>	<input type="checkbox"/>						
Lichens	<input type="checkbox"/>	<input type="checkbox"/>						
CWD	<input type="checkbox"/>	<input type="checkbox"/>			NA			
			Total (Sum of %'s)	Total possible number of Yes answers				
						Actual number of Yes answers		
			Average (%) (Q4c)	% of cells with Yes answers (Q4d)				

Sample No. _____

**TRANSECT OBSERVATIONS: BOTH WITHIN WETLAND
AND 10 M UPLAND PORTION FROM WETLAND EDGE**

T.7.1. FULL POLYGON ASSESSMENT OBSERVATIONS							
Question Indicator	Transect summary info in both wetland and 10 m upland from wetland edge	T1	T2	T3	Transect Summary	Large non-homogeneous patches outside transects but within assessment polygon (% of poly)	Total = Transect summary plus large patches
1	% vegetation cover (pg. 21)				Weighted Average % use WF*		
2a	% cover invasive species (pg. 49)				Weighted Average % use WF*		
5e	% live woody vegetation removal in the wetland (other than browsing) (pg. 28)				Weighted Average % use WF*		
7a	% bare ground (pg. 30)				Weighted Average % use WF*		
9a	% Dead or Decadent trees of all trees (pg. 35)				Weighted Average % use WF*		
9c	Old (O) or New(N) Coarse Woody Debris (>7.5 cm diameter) – that crosses transect % old to new (pg. 36) Note: <i>Talley O and N within each transect for CWD that intersects with rotary tape.</i>				Weighted Average % use WF*		
10c	# of wildlife trees no longer functioning as wildlife trees				Sum		
<p>*To calculate the weighted average, look up table on page 3 for Weighted Fractions (WF), and use the following calculations:</p> <p>q1 (_____ x _____) + (_____ x _____) + (_____ x _____) = _____ <i>(T1%veg.cover.*T1WF) + (T2%veg.cover.*T2WF) + (T3%veg.cover.*T3WF) = Weighted Average</i></p> <p>q2a (_____ x _____) + (_____ x _____) + (_____ x _____) = _____</p> <p>q5e (_____ x _____) + (_____ x _____) + (_____ x _____) = _____</p> <p>q7a (_____ x _____) + (_____ x _____) + (_____ x _____) = _____</p> <p>q9a (_____ x _____) + (_____ x _____) + (_____ x _____) = _____</p> <p>q9c (_____ x _____) + (_____ x _____) + (_____ x _____) = _____</p>							

*Retrieve WF from table T.4.1.



T.7.2. Select the density distribution code of Invasive Species that approximates their extent. Q2b (pg. 22) or mark NA

Code 1 <input type="checkbox"/>	Code 2 <input type="checkbox"/>	Code 3 <input type="checkbox"/>	Code 4 <input type="checkbox"/>	Code 5 <input type="checkbox"/>	Code 6 <input type="checkbox"/>	Code 7 <input type="checkbox"/>	Code 8 <input type="checkbox"/>	Code 9 <input type="checkbox"/>
Rare individual, a single occurrence	Few sporadically occurring individuals	Single patch or clump of a species	Several sporadically occurring individuals	A few patches or clumps of a species	Several well spaced patches or clumps of a species	Continuous uniform occurrence of well spaced individuals	Continuous occurrence of a species with a few gaps in the distribution	Continuous dense occurrence of a species

T.7.3. Continuous observations: snag and coarse woody debris within wetland and 10 m upland

Softwood						Hardwood					
Dead						Dead Fallen	Dead			Dead Fallen	
Hard →			Spongy	→ Soft			Not Sampled	Hard →	Spongy	→ Soft	Not Sampled
3	4	5	6 2/3 original height	7 1/2 original height	8 1/3 original height	9	3	4	5	6	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Check all decay classes of snags observed within 10 m upland of the wetland edge											
Check all Diameter Sizes observed: 0 < 10 cm <input type="checkbox"/> ; 10 < 20 cm <input type="checkbox"/> ; 20 < 30 cm <input type="checkbox"/> ; 30 < 40 cm <input type="checkbox"/> ; 40 < 50 cm <input type="checkbox"/> ; 50 cm + <input type="checkbox"/>											
9b: # decay classes of standing dead trees: _____						# Diameter Size Classes of standing dead trees: _____					
	Class 1		Class 2		Class 3		Class 4		Class 5		
Wood Texture	Hard		Sap rot (but still hard, thumb nail penetrates)		Advanced decay (spongy/large piece)		Extensive decay (crumbly-mushy)		Small pieces, soft portions		
Portion on Ground	Elevated on support points		Elevated but sagging slightly		Sagging or broken		Fully settled on ground		Partly sunken		
Branches	Hard branches with twigs		Soft branches		Branches/stubs absent		Absent		Absent		
Bark	Firm		Loose		Trace		Absent		Absent		
Wood Appearance	Fresh/recent		Colour fading		Fading colour		Light or brown		Reddish brown		
Wood Strength	Supports person		May not support person		Breaks easily, Pieces snap		Collapses with weight, Pieces do not snap		Feels firm like ground		
Invasive Roots	None		None		In sapwood		In heartwood		In heartwood		
Check all decay classes of CWD observed: <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>											
Check all Diameter Sizes observed: 0 < 10 cm <input type="checkbox"/> ; 10 < 20 cm <input type="checkbox"/> ; 20 < 30 cm <input type="checkbox"/> ; 30 < 40 cm <input type="checkbox"/> ; 40 < 50 cm <input type="checkbox"/> ; 50 cm + <input type="checkbox"/>											
9d: # decay classes of coarse woody debris: _____						# Diameter Size Classes of coarse woody debris: _____					

Sample No. _____

CONTINUOUS OBSERVATIONS FOR VEGETATION

T.7.4. ADDITIONAL VEGETATION INDICATORS WITHIN WETLAND AND 10 M UPLAND		%/#	NA
4e	% of impact affecting the long term trajectory of the climax plant community		
6a	# plants with heavy browse (pg. 28)		<input type="checkbox"/>
6b	Maximum % grazed of available grazing area in polygon (pg. 29)		<input type="checkbox"/>
6c	% seedlings/saplings of palatable species. To indicate recruitment (pg. 29)		<input type="checkbox"/>

FEATURES WITHIN WETLAND

T.8. FORM, VIGOR, AND RECRUITMENT WITHIN WETLAND							
Using the table below, estimate the percent (%) of all observed layers or those 100% lost due to a disturbance. Additionally, using Yes or No answers, determine if all expected layers and components show good form, recruitment, and vigor. This estimation is based only on the wetland portion of the polygon. (Q4a+b)							
Layer/ Feature	Typical Associated Wetland Class	Check if present OR evidence of 100% lost	NA	Remaining after a disturbance (%)	Form (Y/N)	Vigor (Y/N)	Recruitment (Y/N)
Snags	Wb, Ws	<input type="checkbox"/>	<input type="checkbox"/>			NA	
Over-story Trees	Wb, Ws	<input type="checkbox"/>	<input type="checkbox"/>				
Under-story Trees	Wb, Ws	<input type="checkbox"/>	<input type="checkbox"/>				
Tall Shrubs	Wb, Ws	<input type="checkbox"/>	<input type="checkbox"/>				
Low Shrubs	Wb, Ws, Wf	<input type="checkbox"/>	<input type="checkbox"/>				
Herbs – Terrestrial/ Emergent	Wb, Ws, Wf, Wm, Ww	<input type="checkbox"/>	<input type="checkbox"/>				
Herbs – Aquatic	Wm, Wf, Ws	<input type="checkbox"/>	<input type="checkbox"/>			NA	
Elevated Microsites	Wb, Wf, Ws	<input type="checkbox"/>	<input type="checkbox"/>				
Mosses/ Lichens	Wb, Wf, Ws	<input type="checkbox"/>	<input type="checkbox"/>				
CWD	Wb, Ws	<input type="checkbox"/>	<input type="checkbox"/>				
Open Water Pools (>4m ²)	Wb, Wf, Wm, Ws	<input type="checkbox"/>	<input type="checkbox"/>			NA	
				Total (Sum of %'s)	Total possible number of Yes answers		
					Actual number of Yes answers		
				Average (%) (Q4c)	% of cells with Yes answers (Q4d)		

*Depending on the site you are evaluating, certain structural features may not be relevant. Wetland Class(es) listed in the 2nd column might be more common for the features. Features for wetland classes not listed are generally less common for those classes. Put NA for features not observed at the site or where the evaluator is not confident if the layer is missing due to disturbance. Note: Wb = bog, Wf = fen, Wm = marsh, Ws = swamp, Ww = shallow open water



T.9. PHYSICAL AND HYDROLOGICAL ALTERATION INDICATORS				
		Tally of occurrences (m ²)	Total	%
8a	% total polygon altered. Include compacted ground (pg. 32)			
8b	severity of physical alteration ¹ (pg. 33)	<input type="checkbox"/> severe <input type="checkbox"/> moderate <input type="checkbox"/> slight <input type="checkbox"/> no alteration		
			Y	N
				NA
11a	Are hydrologic changes minor or non-existent?		<input type="checkbox"/>	<input type="checkbox"/>
11b	Are recent dead trees or shrubs absent from the wetland edge that would indicate a rise in water level? (pg. 39)		<input type="checkbox"/>	<input type="checkbox"/>
11c	Upland plant or tree species are not encroaching, and the wetland is not shrinking (pg. 39)		<input type="checkbox"/>	<input type="checkbox"/>
11d	If the wetland has a defined stream channel through it, any stream channel incisement is minor or non-existent (i.e., minor impacts to adjacent vegetation) (pg. 40)		<input type="checkbox"/>	<input type="checkbox"/>
11e	Natural surface or subsurface areas are not altered by disturbance. If drainage tiles, ditches, dikes, gullies are present they are having a minor to non-existent impact to vegetation in the wetland. (pg. 40)		<input type="checkbox"/>	<input type="checkbox"/>
12a	If an outlet structure is present, is it structurally stable (i.e. not eroding at the outlet)? (pg. 41)		<input type="checkbox"/>	<input type="checkbox"/>
12b	If the wetland has a channel, active downcutting is absent?		<input type="checkbox"/>	<input type="checkbox"/>
12c	% of the streambank or shoreline is structurally altered (interface of open water and vegetation communities) (pg. 41)		_____ %	<input type="checkbox"/>
12d	% streambank with deep binding rootmass? (Lotic (moving water) only) (pg. 42)		_____ %	<input type="checkbox"/>
13a	Does the wetland lack any signs of excessive nutrient loading such as algae mats, blooms, fish kills?		<input type="checkbox"/>	<input type="checkbox"/>
13b	Do basic water quality parameters (smell, colour, pH, turbidity, temperature) appear to be within a reasonable range of natural variation?		<input type="checkbox"/>	<input type="checkbox"/>

¹**No alteration:** No human-caused physical alteration observed on the polygon;

Slight: Physical site integrity is near natural. Alteration (including recovery from any past severe alterations) is apparent, but reflects minimal impact to plant communities and hydrological function in the altered areas (e.g., the plant community is little changed from that on nearby sites lacking physical alteration, any changes to microtopography are slight and they are well vegetated with appropriate species);

Moderate: As compared with nearby unaltered sites, human-caused physical alteration on the polygon (including recovery from any past severe alterations) has noticeably altered the physical site integrity to the point that plant communities and hydrological function on the altered areas show visible impact. The plant community differs noticeably (by having introduced or missing components) from nearby sites that are on similar landscape position and that lack physical alterations. Changes to the microtopography of the soil profile is moderate in depth. Such alteration is either becoming re-vegetated with appropriate species or is well covered with a mix of less desirable and appropriate species;

Severe: Human-caused physical site alteration on the polygon has compromised the physical integrity of the altered areas (even if only a small area is altered). Old alterations have not recovered and are still affecting the vegetation or hydrological functions (e.g., the plant community differs radically from nearby sites in similar position that lack physical alterations, reflecting altered hydrologic and/or soil conditions). Disruption of the microtopography of the soil profile is severe in depth of disturbance. Alterations remain mostly bare of plant cover, are no longer supporting wetland habitat, or are becoming vegetated with invasive or undesirable species.



HEALTH ASSESSMENT CHECKLIST

VEGETATION

Question 1. Vegetative cover is sufficient to perform various ecological functions?	Y <input type="checkbox"/>	N <input type="checkbox"/>		Reference Table
a) Is vegetative cover of the entire polygon (i.e., wetland portion of polygon AND upland portion of polygon representing 10 m from wetland edge that is within the assessment area) greater than 85%?	<input type="checkbox"/>	<input type="checkbox"/>		T.7.1.
Question 2. Is the presence of Invasive and/or Noxious Species minimal to non-existent in the entire polygon?	Y <input type="checkbox"/>	N <input type="checkbox"/>	NA <input type="checkbox"/>	Reference Table
a) Is Invasive and/or Noxious Plant Canopy Cover less than 5% of the entire polygon?	<input type="checkbox"/>	<input type="checkbox"/>		T.7.1.
b) Is the distribution of Invasive and/or Noxious Plants less than Code 4in the entire polygon?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	T.7.2.
<i>If there are any "No" answers, mark the "No" box for Question 2. Otherwise mark "Yes"</i>				
Question 3. Have the number of undesirable disturbance-increaser species been limited to a satisfactory level?	Y <input type="checkbox"/>	N <input type="checkbox"/>		Reference Table
a) Is the coverage of disturbance-caused undesirable species (e.g., domestic grasses, dandelions, pineapple weed, buttercups, etc.) less than 25% of total area in the riparian upland area 10 m from wetland edge?	<input type="checkbox"/>	<input type="checkbox"/>		T.5.1.
Question 4. Is the vegetation of the entire polygon generally characteristic of what the healthy unmanaged wetland and riparian plant communities are normally?	Y <input type="checkbox"/>	N <input type="checkbox"/>		Reference Table
a) Is greater than 85% of the layers and features in the wetland portion of the polygon intact?	<input type="checkbox"/>	<input type="checkbox"/>		T.8.
b) Does greater than 85% of all expected layers and components show good recruitment, form, and vigor in the wetland?	<input type="checkbox"/>	<input type="checkbox"/>		T.8.
c) Is greater than 75% of the layers and features in the 10 m upland portion of the polygon intact?	<input type="checkbox"/>	<input type="checkbox"/>		T.6.
d) Does greater than 75% of all expected layers and components show good recruitment, form and vigor in the upland portion of the polygon?	<input type="checkbox"/>	<input type="checkbox"/>		T.6.
e) Is the % of the long-term trajectory of the vegetation community altered less than 15% for the entire polygon?	<input type="checkbox"/>	<input type="checkbox"/>		T.7.4.
<i>**For yes/no consider both natural and human caused impacts. For value, record % for human-caused only.</i>				
<i>If there are any "No" answers, mark the "No" box for Question 4. Otherwise mark "Yes"</i>				
Question 5. Has sufficient vegetation been retained to minimize windthrow, maintain adequate screening, visual cover and an LWD supply?	Y <input type="checkbox"/>	N <input type="checkbox"/>	NA <input type="checkbox"/>	Reference Table
a) On all wetlands, have most (apx. 75%) non-merchantable conifers, understorey deciduous trees, shrubs and herbaceous vegetation been retained within 20m upland of the wetland edge?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	T.5.1.
b) For wetlands in the CDF, PP, BG, CWHxm, dm, ds and IDFxh, xw, xm biogeoclimatic units, have all wildlife trees, 70% of the mature co-dominant windfirm conifers within the RMZ, and all deciduous trees within 10m of: the RRZ or W/L edge been retained?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	T.5.1.
c) For wetlands in the ESSF, MS,ICH, MH, CWHvm, mm, ms, ws and IDFdm, dk1, dk2 biogeoclimatic units, have all wildlife trees, 40% of the mature co-dominant windfirm conifers within the RMZ, and all deciduous trees within 10m of: the RRZ or W/L edge been maintained	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	T.5.1.
d) For wetlands in the SWB, SBS, SBPS, BWBS, CWHvh and IDFfw, mw, dk3, dk4 biogeoclimatic units, have all wildlife trees, 10% of the mature co-dominant windfirm conifers, within the RMZ and 30% of deciduous trees within 10m of: the RRZ or W/L edge been retained?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	T.5.1.
e) Is the wetland free of woody vegetation removal?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
<i>If there are any "No" answers, mark the "No" box for Question 5. Otherwise mark "Yes"</i>				

Sample No. _____

Question 6. Is heavy browse and grazing absent in assessment polygon?	Y <input type="checkbox"/>	N <input type="checkbox"/>	NA <input type="checkbox"/>	Reference Table
a) Is heavy browse absent? Heavy browse is browse down to second-year wood over most (> 50% of the branches) of the plant.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	T.7.4.
b) Is 90% or more of the available grazing area free of heavy grazing?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	T.7.4.
c) Do seedlings or saplings of palatable tree and shrub species make up more than 5% of those species in the entire polygon?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

If there are any "No" answers, mark the "No" box for Question 6. Otherwise mark "Yes"

TIP: Check N if even one plant has been heavily browsed.

SOILS

Question 7. Has bare ground been minimized in the entire polygon?	Y <input type="checkbox"/>	N <input type="checkbox"/>	NA <input type="checkbox"/>	Reference Table
a) Is there less than 1% bare ground in the entire polygon?	<input type="checkbox"/>	<input type="checkbox"/>		T.7.1.
b) Is the amount of bare soil within and/or hydrologically connected to the entire polygon less than 5%?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	T.5.3.

If there are any "No" answers, mark the "No" box for Question 7. Otherwise mark "Yes"

MORPHOLOGY

Question 8. Has physical alteration been minimized with no noticeable impacts to vegetative communities and hydrologic function?	Y <input type="checkbox"/>	N <input type="checkbox"/>		Reference Table
a) Is less than 10% of the entire polygon physically altered?	<input type="checkbox"/>	<input type="checkbox"/>		T.9.
b) Is the severity of the physical alteration slight or non-existent?	<input type="checkbox"/>	<input type="checkbox"/>		T.9.

If both questions have "No" answers, mark the "No" box for Question 8. Otherwise mark "Yes"

Question 9. Are wetland woody debris processes intact 10 m upland of the wetland?	Y <input type="checkbox"/>	N <input type="checkbox"/>	NA <input type="checkbox"/>	Reference Table
a) Does the number or density of standing dead trees (snags) in the upland area and forested wetland areas (i.e., forested bogs and swamps), appear within the range of natural variability and do not consist of more than 25% of the total standing trees? (do not count dead trees due to catastrophic events such as wildfire).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	T.7.1.
b) Are the standing dead trees composed of different diameter and decay classes?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	T.7.3.
c) Is more than half of the coarse woody debris present old, stable and well incorporated into the wetland, with no evidence of recent movement?	<input type="checkbox"/>	<input type="checkbox"/>		T.7.1.
d) Does the coarse woody debris present show distinct multiple modes with regard to diameter and decay?	<input type="checkbox"/>	<input type="checkbox"/>		T.7.3.

If there are 2 or more "No" answers, mark the "No" box for Question 9. Otherwise mark "Yes"

Question 10. Has vegetation around the wetland been adequately protected from windthrow?	Y <input type="checkbox"/>	N <input type="checkbox"/>	NA <input type="checkbox"/>	Reference Table
a) Is the incidence of post-treatment windthrow 20 m upland around small (0-5 ha) wetlands with no RRZ less than 10% of the living stems over and above what occurs naturally in the area? If there is an RRZ then mark NA, and answer 10b.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	T.5.2.
b) Is the incidence of post-treatment windthrow in the RRZ of the riparian area around large (> 5 ha) wetlands or small wetlands (0-5 ha) with a RRZ less than 5% of the living stems present over and above what occurs naturally in the area? If there is no RRZ then mark NA, and answer 10a.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	T.5.2.
c) Are wildlife trees (e.g. nest sites, bear dens) still standing, or if not, still functioning as wildlife trees?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	T.5.2.
<i>If there are any "No" answers, mark the "No" box for Question 10. Otherwise mark "Yes"</i>				

HYDROLOGY

Question 11. Is vegetation in the wetland and its riparian area free of any impacts due to changes in the hydrologic regime?	Y <input type="checkbox"/>	N <input type="checkbox"/>	NA <input type="checkbox"/>	Reference Table
a) Are hydrologic changes minor or non-existent?	<input type="checkbox"/>	<input type="checkbox"/>		T.9.
b) Are recent dead trees or shrubs absent from the wetland edge that would indicate a change in water level?	<input type="checkbox"/>	<input type="checkbox"/>		T.9.
c) Is the wetland free of progressively younger age class plants or trees extending into the wetland from the drier edges of the wetland or adjacent upland area?	<input type="checkbox"/>	<input type="checkbox"/>		T.9.
d) If the wetland has a defined stream flowing through it, is any incisement by the channel having a minor to non-existent effect on the wetland vegetation?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	T.9.
e) If any drainage tiles, ditches, dikes or gullies are present by the wetland, are they having only a minor to non-existent impact on the wetland vegetation?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	T.9.
<i>If there are any "No" answers, mark the "No" box for Question 11. Otherwise mark "Yes"</i>				
Question 12. Is there an absence of significant threats to water levels in the wetland?	Y <input type="checkbox"/>	N <input type="checkbox"/>	NA <input type="checkbox"/>	Reference Table
a) If present, is the outlet structure stable and allows water to pass securely? Mark Yes if outlet structure lacks animal burrows, erosion, leakage.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	T.9.
b) If the wetland has a channel, there is no presence of active head-cuts below or within the wetland (i.e., locations of active downcutting in channel)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	T.9.
c) Is less than 15 % of the shoreline of the wetland or any stream channels flowing through the wetland disturbed in any way?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	T.9.
d) If the wetland has a stream channel, does the channel bank have vegetation with greater than 65 % deep binding rootmass?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	T.9.
<i>If there are any "No" answers, mark the "No" box for Question 12. Otherwise mark "Yes"</i>				

Sample No. _____

WATER QUALITY

Question 13. Does the water quality of the wetland appear to be within reasonable range of natural variation?	Y <input type="checkbox"/>	N <input type="checkbox"/>	Reference Table
a) Does the wetland lack any signs of excessive nutrient loading such as algae mats, blooms, fish kills?	<input type="checkbox"/>	<input type="checkbox"/>	T.9.
b) Do basic water quality parameters (smell, colour, pH, turbidity, temperature) appear to be within a reasonable range of natural variation?	<input type="checkbox"/>	<input type="checkbox"/>	T.9.

If there are any "No" answers, mark the "No" box for Question 13. Otherwise mark "Yes"

LANDSCAPE

Question 14: Is the riparian and upland habitat beside the wetland of adequate size and quality to mitigate impacts on critical activities (movements, feeding, breeding) by the area's desired wildlife (e.g., grizzly, ungulates, martin, raptors, woodpeckers, songbirds, waterfowl, reptiles, amphibians, etc.)?	Y <input type="checkbox"/>	N <input type="checkbox"/>	NA <input type="checkbox"/>	Reference Table
a) Does 75% or more of the wetland have a riparian area around it that has not been modified by human activities, 30 m wide in the case of small wetlands (0-5 ha), or 50 m wide for large (> 5 ha) wetlands?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	T.2.
b) Is 10% or less of the wetland's shoreline visible from any point on a road, pipeline or powerline within 300 m of small wetlands, or 500 m of large wetlands?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	T.2.
c) Do right-of-ways within 100 m of the wetland impinge on no more than 10% of the wetland's perimeter?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	T.2.
d) Is the percent cover of mature and old forest within 2 kilometers of the wetland perimeter greater than the minimal target for the area's respective bio-geoclimatic zone and natural disturbance type?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	T.2.

If there are more than one "No" answers, mark the "No" box for Question 14. Otherwise mark "Yes"

Question 15. Are surface and subsurface flows to the wetland intact?	Y <input type="checkbox"/>	N <input type="checkbox"/>	NA <input type="checkbox"/>	Reference Table
a) Do all mapped and unmapped streams at roads and ROWs appear to be in their original water courses?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
b) Is less than 25% of contributing basin intercepted by roads or ROWs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	T.2.

If there are any "No" answers, mark the "No" box for Question 15. Otherwise mark "Yes"

Sample No. _____

SUMMARY WETLAND ASSESSMENT HEALTH FORM				Y	N	NA
Question 1. Vegetative Cover of the Polygon > 85%?				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Question 2. Invasive Plant Species are not well established and not threatening the site?				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Question 3. Coverage of disturbance-caused undesirable species <25%?				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Question 4. Is the wetland vegetation generally characteristic of what the healthy unmanaged wetland plant communities are normally?				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Question 5. Has sufficient vegetation been retained to reduce windthrow, maintain adequate screening, visual cover and an LWD supply?				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Question 6. Is heavy browse and grazing absent?				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Question 7. % Bare and compacted ground from a disturbance is less than 5%				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Question 8. Less than 15% of wetland polygon is physically altered with noticeable impacts to vegetative communities and hydrologic function?				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Question 9. Are wetland woody debris processes intact?				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Question 10. Has the vegetation retained in the RMA been sufficiently protected from windthrow?				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Question 11. Is vegetation in the wetland and its riparian area free of any impacts due to changes in the hydrologic regime?				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Question 12. Is there an absence of significant threats to water levels in the wetland?				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Question 13. Does the water quality of the wetland appear to be within reasonable range of natural variation?				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Question 14: Wetland is well connected with adjacent habitat?				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Question 15. Are surface and subsurface flows to the wetland intact?				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
# of "No" Answers: _____ Conclusion on Functioning Condition: <input type="checkbox"/> 0 to 2 No's = Properly Functioning <input type="checkbox"/> 3 to 4 No's = Functioning, but at risk <input type="checkbox"/> 5 to 6 No's = Functioning, but at high risk <input type="checkbox"/> >6 No's = Not Properly Functioning						

"No" answer questions	Causes of "No" Answers						
	Current Logging	Old Logging	Animals	Roads	Other Impacts	Natural Impacts	Upstream Factors
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

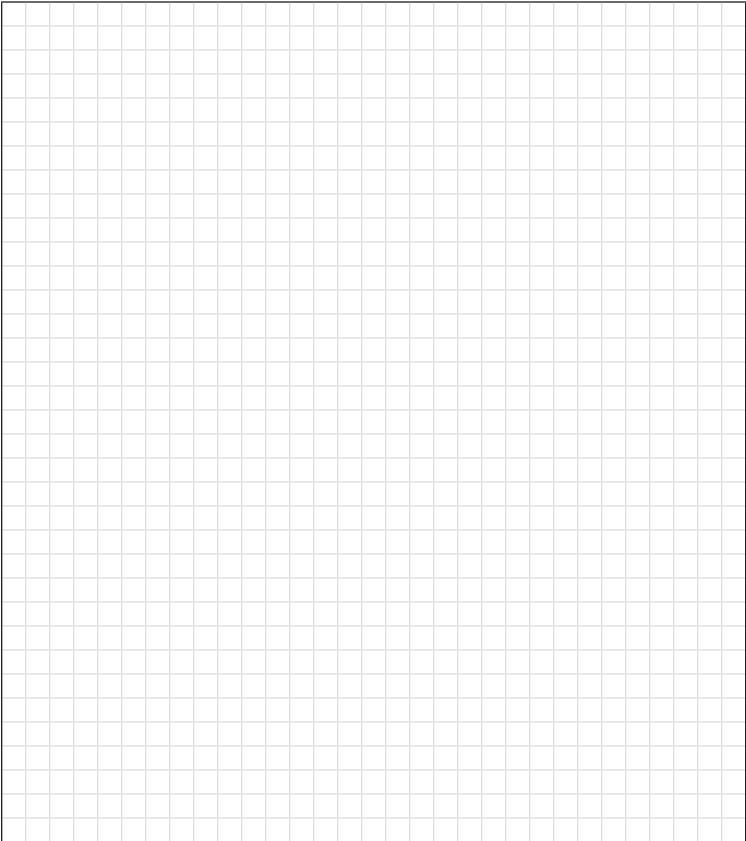


Specific Causes of "No" Answers. Record "1" where the cause of a "No" answer lies within the wetland/riparian polygon, "2" where the cause is outside the polygon, and "3" where the cause is both within and outside the polygon

Causes of "No" Answers (Check the Questions with "No" answers)		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
OLD LOGGING	Low retention	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Falling & yarding	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Machine disturbance	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Windthrow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Mass wasting	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Stream diversions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Road/debris blockages	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Forest structure issues	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
CURRENT LOGGING	Low retention	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Falling & yarding	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Machine disturbance	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Windthrow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Mass wasting	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Stream diversions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Road/debris blockages	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Forest structure issues	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
ROADS, TRAILS	Encroachment on RMA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Running surface erosion	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Other ROW erosion	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Mass wasting	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Crossing structure	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Drainage alteration	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ANIMAL DISTURBANCE	Livestock	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Beavers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Other ungulates	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
NATURAL IMPACTS	High sediment levels	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Fire	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Insects	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Diseases	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Wind	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Mass wasting	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Floods	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
OTHER IMPACTS	Non-logging roads, trails	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Utility corridors	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Recreation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Agriculture	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Mining	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Urban, industry	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
UNKNOWN	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Sample No. _____

SITE MAP (Please draw the wetland site as accurately as possible or include markups on digital map):



On map mark boundary of wetland assessed, major changes in wetland vegetation, locations of transects (T#) and plots (P#), direction of surface water flow, outlets, inlets, approx. scale

Comments about Boundary selected: _____
