



# Form H1: MAPS Habitat Structure Assessment (HSA) form

Location code: \_\_\_\_\_ Station code: \_\_\_\_\_ Date: (m/d/y) \_\_/\_\_/ **2009** Surveyed by: \_\_\_\_\_ Survey (circle one): single | consensus

Habitat dominance code (as shown on station map; circle one): A – dominant | B – sub-dominant | C – minor 1 | D – minor 2 | E – minor 3

Describe habitat type: \_\_\_\_\_

Successional stage of habitat type (circle one): L – late | M – mid | E – early National Vegetation Classification Standard Formation: \_\_\_\_\_

Percentage of station comprised of this habitat type (from station map): \_\_\_\_\_ % National Vegetation Classification Standard Alliance : \_\_\_\_\_

Pattern code of this habitat type (1-12): \_\_\_\_\_ Average height of: Tree canopy \_\_\_\_\_ m, Shrubs \_\_\_\_\_ m, Herbaceous vegetation \_\_\_\_\_ m

Vegetative Layers	Cover <sup>1</sup> <5, 10, 20,... see below...90, >95	Pattern 1-12	Number of Species	Vegetation types within each layer <i>Estimated percentages must add up to 100%</i>				Main species <i>e.g. Vaccinium ovatum, Poa pretensis Quercus rubra, Q. alba, Pinus contorta</i>
				Conifer	Broad	Forbs & ferns	Grass-like	
Upperstory: >15m				%	%	%		
Midstory: 5 -15m				%	%	%		
Understory: 0.5 - 5m				%	%	%	%	
Ground cover*: <0.5m				Woody	Nonvascular	Forbs & ferns	Grass-like	
Live vegetation	%			%	%	%	%	
Dead vegetation	%		leaves	twigs	branches	old logs	recent treefall	
Total non-vegetative	%	NA see text p.13	rock	stones or gravel	dirt or sand	water	human-made	

Non-vegetative Features	Estimate %	Pattern 1-12	Circle one or more features of cover type				Comment	
Running water	%		seep/trickle canal	very small brook (<0.5m)	small stream (0.5-2.0m)	large stream (2.0-5.0m)	river (>5m)	
Standing water	%		pond/lake <50m <sup>2</sup>   >50m <sup>2</sup>	for livestock <50m <sup>2</sup>   >50m <sup>2</sup>	marsh/bog <50m <sup>2</sup>   >50m <sup>2</sup>	seasonal occasional	permanent other	
Human-made Corridors	%		paved road	gravel track	dirt break	mown path	boardwalk other	
Human-made Structure	%		building culvert	fence dam	bridge channel	powerline wall	tower other	

General description of habitat type including habitat age:		Feature	Options
		Drainage:	well-drained   poorly-drained
		Slope:	flat   gentle   undulating   steep
		Geography:	bottomland   hillside   ridgetop   plain
		Ridges:	none   single   two   >2
Number of snags (>1m tall, >10cm diam.): 0   <5   5-15   >15		Aspect:	none   N   E   S   W   All
Management / Disturbance history:		Year(s) occurred:	Logging: clear-cut   selective   strip
		Year(s) occurred:	Disturbance: fire   wind   flood   drained   icestorm
		Year(s) occurred:	Other: write here

Percentage cover midpoints	<5	10	20	30	40	50	60	70	80	90	>95	
Percentage cover range	0	5	15	25	35	45	55	65	75	85	95	100

\* Ground Cover (Live vegetation, Dead vegetation, and Total non-vegetative) must total 100%