

**Figure 4: MAPS Habitat Structure Assessment (HSA) form H1 – Example of completed form for dominant habitat type**

Location code: H A L F Station code: H A F R Date: (m/d/y) 07/23/ 2003 Surveyed by: Jane Intern, John Helper 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: Sycamore, Tulip Poplar, Sweetgum Forest

Successional stage of habitat type (circle one): L – late | M – mid | E – early National Vegetation Classification Standard Formation: IB2Nd

Percentage of station comprised of this habitat type (from station map): 62 % National Vegetation Classification Standard Alliance : 14

Pattern code of this habitat type (1-12): 5 Average height of: Tree canopy 20 m, Shrubs 2.0 m, Herbaceous vegetation 1.2 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	80	12	5	1 %	99 %	0 %		Platanus occidentalis, Liriodendron tulipifera, Liquidambar sp.
Midstory: 5 -15m	40	11	8	5 %	95 %	0 %		P. occidentalis, L. tulipifera, Ostrya virginica, Acer rubrum
Understory: 0.5 - 5 m	40	8	14	2 %	85 %	12 %	1 %	Rosa floribunda, Spice bush
Ground cover*: <0.5m Live vegetation	15 %	7	15	Woody 5 %	Nonvascular 2 %	Forbs & ferns 70 %	Grass-like 23 %	Nettle, grass, R. floribunda
Dead vegetation	72 %	10	leaves	twigs	branches	old logs	recent treefall	Mostly dead leaves
Total non-vegetative	13 %	NA see text p.13	rock	stones or gravel	dirt or sand	water	human-made	Mostly water & duff

Non-vegetative Features	Estimate %	Pattern 1-12	Circle one or more features of cover type					Comment
Running water	1 %	6	seep/trickle canal	very small brook (<0.5m)	small stream (0.5-2.0m)	large stream (2.0-5.0m)	river (>5m)	Permanently flowing
			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	Shallow marshy area, After spring runoff
Human-made Corridors	___ %	___	paved	gravel	dirt	mown	boardwalk	
			road	track	break	path	other	
Human-made Structure	___ %	___	building	fence	bridge	powerline	tower	
			culvert	dam	channel	wall	other	

General description of habitat type including habitat age:	Feature	Options
Side of a riparian corridor containing a few > 100 year-old Sycamore trees. Lies on well-drained (mostly) Calcareous substrate.	Drainage:	<u>well-drained</u>   poorly drained
	Slope:	<u>flat</u>   gentle   undulating   steep
	Geography:	bottomland   <u>hillside</u>   ridgetop   plain
	Ridges:	<u>none</u>   single   two   >2
Number of snags(>1m tall, >10cm diam.): <u>0</u>   <5   5-15   >15	Aspect:	none   <u>N</u>   <u>E</u>   <u>S</u>   <u>W</u>   All
Management / Disturbance history: None since cleared in 1945. Lower portions heavily flooded by '83 hurricane.	Logging:	<u>clear-cut</u>   selective   strip
	Disturbance:	fire   wind   <u>flood</u>   drained   icestorm
	Other:	<u>write here</u>

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%