

Wildlife Habitat Protection Guidance

Appendix B: Detailed Wildlife Habitat Evaluation

Part 1, Summary Sheet

Important: When filling out forms on the computer, use only the tab key to move your cursor - do not use the return



Location (See below) Size of Area Being Impacted			9/16 Date	
mpact Areas (linear feet, sq	uare feet, or acres fo	or each of the imp		
Name	Waterbody/ Waterway	Wetland	Upland*	Total Area
1. Per. Stream Crossing	94 linear feet	10,485	0	10,485
2. Int. Stream Crossing	36 linear feet	0	0	0
3. Project RA Impacts			49,920	49,920
4.				
5.				
j.	-	· '		
*Riverfront Area/BLSF Attach Sketch map and/or p Narrative Description of Site				
see Wetland Permitting Su	mmary by EcoTec, a	ttached)		
	•			

C

thereafter, substantially reduce its capacity to provide important wildlife habitat functions.

Signature of Wildlife Specialist (per 310 CMR 10.60 (1) (b))

Paul Mcmanus, PWS

Typed or Printed Name



Wildlife Habitat Protection Guidance

Appendix B: Detailed Wildlife Habitat Evaluation

Part 2. Field Data Form (for each wetland or non-wetland resource area)

I.	General Info	ormation	·					
	189 Landham Road, Sudbury							
	=	Project Location (from NOI page 1)						
	Access (pere Impact Area (nu	ennial and intermittent st	reams)					
	September 1	'						
		Visit(s) and Data Collection						
	Partly cloudy	Partly cloudy, Weather Conditions During Site Visit (if snow cover, include depth)						
	Scott Morris	9/13/11						
		ting form per 310 CMR 10.60(1)(b)		Date this form was completed			
	•	tion on this data sheet is		absorvations unlo	·			
	THE MIOITIA	tion on this data sheet is	based on my o	observations unte	ss otherwise indicated			
	Signature 2	JULGU VI						
		· · · · · · · · · · · · · · · · · · ·						
II.	Site Descrip	ption (complete A or B	under Classif	ication - see inst	ructions for full description)			
A.	Classificatio	n			,			
1.	For Wetland	Resource Areas, compl	ete the followir	ng:	•			
		Paustrine			none .			
	System:			Subsystem:				
	Class:	Forested Wetland	Forested Wetland		Broad-leaved Deciduous			
	Hydrology/V	Vater Regime						
	☐ Perman	ently flooded	•	Saturated Saturat				
	☐ Intermittently exposed			☐ Temporarily flooded				
	☐ Semi-permanently flooded							
	☐ Seasonally flooded ☐ Artificially flo			ooded				
2.	For Riverfront or Bordering Land Subject to Flooding Resource Areas, complete the following. Use a terrestrial classification system such as one of the two listed below:							
	a. "Classification of the Natural Communities of Massachusetts (Draft)" by Patricia C. Swain and Jennifer B. Kearsley, MA DFW NHESP, Westborough, MA. July 2000. (Department of Fish & Game Website)							
	b. "New England Wildlife: Habitat, Natural History, and Distribution" by Richard M. DeGraaf and Deborah D. Rudis, USDA Forest Service, Northeastern Forest Experiment Station. General Technical Report NE-108. August 1992. 491 pages.							
	See Wetland	See Wetland permitting Summary by EcoTec						
	Community Na		200100					
	Vegetation Des	scription						
	Physical Descr	TOUGH						



Wildlife Habitat Protection Guidance

Appendix B: Detailed Wildlife Habitat Evaluation

3.	Inventory (Plant community)							
	% Cover:	10		70 Shrubs (< 20')	_ 5		5	
		rees (> cies that o nt species	20') comprise for the s	10% or more	Woody vines of the vegetative of	Mosses cover in eacl	Herbaceoા ૧ strata; "*" designa	
	Strata		Plant S	pecies	Strata		Plant Species	
	Tree		norway	spruce	Herbaceous		mowed grass	
			black w	valnut			jewelweed	
	Shrub		europe	an buckthorn			virginia creeper	
			silky do	gwood			goldenrod	
		······································	arrow-v	wood		·	joe-pye-weed	
				····			·	
C.	Inventory (Soil:	s)						
	Scarboro				very poorly o			
	Soil Survey Unit	ala la anala	and		Drainage Class		estrictive layer	
	mucky fine san		and		Depth	o inches to r	estrictive layer	
	0-6 inches	'''						
	Depth to Water Ta	ble		,				
III.	Important Hat	oitat Feati	ures (coi	mplete for all	resource areas)	•		
	If the following h	abitat char	acteristics	are present, de	escribe & quantify the	em on a sepa	rate sheet & attach.	
	Mildlife Feed							
	Wildlife Food							
	•	land/Aqua	tic Food	Plants (smartv	weeds, pondweeds	s, wild rice, b	oulrush, wild celery)	
	•	land/Aqua		Plants (smartv Present	weeds, pondweeds	s, wild rice, b	oulrush, wild celery)	
	Important Wet		⊠ F	Present			oulrush, wild celery)	
	Important Wet		⊠ F	Present	☐ Absent		oulrush, wild celery)	
	Important Wetl Abundant Important Upla Abundant	and/Wetlar	⊠ F nd Food I ⊠ F	Present Plants (hard m Present	☐ Absent	producers)	-	
	Important Wetl Abundant Important Upla Abundant	and/Wetlar	⊠ F nd Food I ⊠ F sbeds with	Present Plants (hard m Present	☐ Absent nast and fruit/berry ☐ Absent	producers)	-	
	Important Wetl Abundant Important Upla Abundant Shrub thickets	and/Wetlar or stream	⊠ F nd Food I ⊠ F sbeds with	Present Plants (hard m Present h abundant ea Present	☐ Absent nast and fruit/berry ☐ Absent nrthworms (Americ	producers)	-	



Wildlife Habitat Protection Guidance

Appendix B: Detailed Wildlife Habitat Evaluation

Number of trees (live or dead) > 30" DBH:	0	
Number (or densi	ty) of Standing Dead Trees (ootential for cavities and	d perches):
0 6-12° dbh	0 12-18" dbh	0 18-24" dbh	0 ·
		10-24 UBII	> 24 UDII
	Cavities in trunks or limbs of:		
0 6-12" diameter (e.g., t	ree swallow, saw whet owl, screech	owl, bluebird, other songbird	s)
0	December 1		10. P. A. P. MARINE W. P.
12-18" diameter (e.g.,	hooded merganser, wood duck, cor	nmon goldeneye, mink)	
	oded merganser, wood duck, common	goldeneye, common merganse	er, barred owl, mink, raccoon, fisher)
Small mammal bu	urrows		
☐ Abundant	☐ Present		•
Cover/Perches/Ba	asking/Denning/Nesting Habi	tat	
□ Dense herba	ceous cover (voles, small ma	mmals, amphibians & r	eptiles)
	debris on the ground (small r	•	
	es, logs, tree roots or hummo	·	
	· · · · · · · · · · · · · · · · · · ·	•	•
	es, fallen logs, overhanging l ce (turtles, snakes, frogs, wad		
Rock piles, ci	revices, or hollow logs suitable	e for:	
otter	mink porcu	pine 🔲 bear	bobcat turkey vultu
	standing vegetation overhand isher, flycatchers, cedar waxv		ood visibility of open water (e.g
Depressions that	may serve as seasonal (verr	nal/autumnal) pools	
	☐ Present		
Standing water p	resent at least part of the gro	wing season, suitable fo	or use by
☐ Breeding am	phibians	☐ Non-breeding amphi	ibians (foraging, re-hydration)
☐ Turtles		Foraging waterfowl	
	nucks or mats, moss-covered		overhanging or directly adjace
-	☐ Present		



Wildlife Habitat Protection Guidance

Appendix B: Detailed Wildlife Habitat Evaluation

Part 2. Field Data Form (continued)

Important habitat characte	ristics (if present, describ	e and quantify t	<u>nem on a separate sheet)</u>
Medium to large (> 6"), fla for.spring & two-lined sala		over for stream	salamanders and nesting habita
	☐ Present		
Flat rocks and logs on bar salamanders and nesting			eds (cover for stream
	☐ Present		
Underwater banks of fine	silt and/or clay (beaver, n	nuskrat, otter)	
	☐ Present		
Undercut or overhanging I	oanks (small mammals, n	nink, weasels)	
	□ Present	☐ Absent	
Vertical sandy banks (ban	k swallow, kingfisher)	·	
	☐ Present	Absent	
Areas of ice-free open wa	ter in winter		
	Present	☐ Absent	
Mud flats			
	☐ Present		
Exposed areas of well-dra	ined, sandy soil suitable	for turtle nesting	
	☐ Present		
Wildlife dens/nests (if pres	sent, describe & quantify	them on the bac	k of this sheet)
Turtle nesting sites			
	☐ Present		
Bank swallow colony			
•	☐ Present		
Nest(s) present of	☐ Bald Eagle	☐ Osprey	Great Blue Heron
Dan(s) present of	□ Otter	□ Mink	□ Beaver



Massachusetts Department of Environmental Protection

Bureau of Resource Protection - Wetlands Program

Wildlife Habitat Protection Guidance

Appendix B: Detailed Wildlife Habitat Evaluation

Part 2. Field Data Form (continued)

	Project area is within:	•	
	☐ 100' of beaver, mink or otter den, bank swallow	colony or turtle nesting area	•
	200' of Great Blue Heron or osprey nest(s)		
	☐ 1400' of a Bald Eagle nest ¹		
	Emergent Wetlands (if present, describe & quantify to	them on a separate sheet)	
	Emergent wetland vegetation at least seasonally floogreen heron, black-crowned night heron, king rail, V	~ ~ ~	n (wood duck,
	Flooded > 5 cm	Present	
	Flooded > 25 cm (pied-billed grebe)	Present	
	Persistent emergent wetland vegetation at least sea (mallard, American bittern, sora, common snipe, red		
	Flooded > 5 cm	☐ Present	
	Flooded > 25 cm (least bittern, common moorhen)	☐ Present	
	Cattail emergent wetland vegetation at least season	ally flooded during the growing	season
	Flooded > 5 cm (marsh wren)	☐ Present	
	Flooded > 25 cm (least bittern, common moorhen)	Present	
	Fine-leafed emergent vegetation (grasses and sedg season (common snipe, spotted sandpiper, sedge w		during the growing
	Flooded > 5 cm	☐ Present	Absent
,	Flooded > 25 cm (least bittern, common moorhen)	☐ Present	
IV.	Landscape Context	·	
A.	Habitat Continuity (if present, describe the landscatimportance for area-sensitive species)	pe context on a separate sheet	and its
	Is the impact area part of an emergent marsh at least	1.0 acre in size?	⊠ No
	(marsh and waterbirds)	2.0 acres in size?	⊠ No
		5.0 acres in size?	⊠ No
		10.0 acres in size? Yes	⊠ No

Detailed Wildlife Habitat Evaluation • Page 6 of 8

^{1 1400} feet is the distance used by NHESP for evaluating potential disturbance impacts on eagle nests under MESA. Keep in mind, however, that this doesn't give jurisdiction within 1400' of an eagle's nest; it only identifies it on the checklist so that adverse effects can be avoided if work in a resource area is within 1400 feet. detlhab.doc • 10/07



Wildlife Habitat Protection Guidance

Appendix B: Detailed Wildlife Habitat Evaluation

Pa	art 2. Field Data Form (continued)					•
	Is the impact area part of a wetland complex at least	2.5 acres in size?	\boxtimes	Yes		No
	(turtles, frogs, waterfowl, mammals)	5.0 acres in size?	\boxtimes	Yes		No
		10.0 acres in size?	\boxtimes	Yes		No
		25.0 acres in size?	\boxtimes	Yes		No
	For upland resource areas is the impact area part of	contiguous forested	hab	oitat at least		
	(forest interior nesting birds)	50 acres in size?	\boxtimes	Yes		No
		100 acres in size?	\boxtimes	Yes		No
		250 acres in size?	\boxtimes	Yes		No
		500 acres in size?		Yes	\boxtimes	No
	(grassland nesting birds)	> 1.0 acre in size?		Yes	\boxtimes	No
	(special habitat such as gallery floodplain forest, alder thicket, etc.)	> 1.0 acre in size?		Yes	\boxtimes	No
B.	Connectivity with adjoining natural habitats					
	☐ No direct connections to adjacent areas of wildli	fe habitat (little conn	ectiv	vity function)		
	Connectors numerous or impact area is embedding connectivity function)	ded in a large area of	nat	ural habitat (limit	ed
	Impact area contributes to a limited number of c important for connectivity function)	onnectors to adjacer	nt ar	eas of habita	ıt (sc	mewhat
	Impact area serves as part of a sole connector t connectivity function)	o adjacent areas of t	nabit	tat (importan	t for	
	Impact area serves as <i>only</i> connector to adjace function)	nt areas of habitat (v	ery i	mportant for	con	nectivity
۷.	Habitat Degradation (describe degradation and wil	dlife impacts on the I	oack	of the sheet	:)	
	Evidence of significant chemical contamination					
	Evidence of significant levels of dumping					
	Evidence of significant erosion or sedimentation	problems				
	Significant invasion of exotic plants (e.g., purple	loosestrife, Phragm	ites,	glossy buck	thorr	٦)
	☐ Disturbance from roads or highways	Other human d	istur	bance		
	☐ Is the site the only resource area in the vicinity of	of an otherwise deve	ope	d area		
	Note: These are not the only important habitat features they should be no			d on a site. If	the	wildlife



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Part 2. Field Data Form (continued)

VI. Quantification Table for Important Habitat Characteristics

Habitat Characteristic	Amount Impacted in Impact Area	Current (entire site)	Post-Construction (entire site)
Example: standing dead trees 6-12" dbh	4	12	8
Bank of Stream with overhanging	45 linear feet	Common 2,240+/- I.ft	Common (negligible impact)