

October 10, 2023

Paul E. Cusson 651 Orchard Street. Suite- 308 New Bedford, MA 02744

Re: Vernal Pool Narrative

County Street, Lakeville, MA

(Map: 34, 35, Block 1, 2, Lots: 1, 2, 2A, 3, 4, 5, 12, 17)

Dear Paul Cusson,

Goddard Consulting, LLC, (Goddard) is pleased to submit this Vernal Pool Narrative on behalf of Outback Engineering (the Applicant), to provide a Vernal Pool Narrative for the property addressed as County Street in Lakeville, MA (Map: 34, 35, Block 1, 2, Lots: 1, 2, 2A, 3, 4, 5, 12, 17)

Attachments

- Orthophoto of the Locus Site, Goddard Consulting, LLC 2/6/2023
- Conceptual Layout Plan with Flagged Wetlands "Rocky Woods" Subdivision in Lakeville, MA, Outback Engineering, Inc 9/25/2023
- Natural Heritage Vernal Pool Observation Form CVP 2684
- Natural Heritage Vernal Pool Observation Form CVP 2685
- Natural Heritage Vernal Pool Observation Form CVP 2686
- Natural Heritage Vernal Pool Observation Form CVP 2687

Mapped Certified Vernal Pools

Four Certified Vernal Pools are mapped on the site by Natural Heritage Endangered Species Program within the limit of work on the Conceptual Layout Plan (reference Conceptual Layout Plan with Flagged Wetlands "Rocky Woods" Subdivision in Lakeville, MA). In the Western portion of the site, adjacent to 51 Freetown Street in Lakeville, Pool #2687 was certified on July 10, 2001, for obligate species. In the center of the site, within Bordering Vegetated Wetland, pool #2686 was certified for obligate species on July 10, 2001. North of Pool #2686, Pool 2685 was certified for obligate species on July 10, 2001. Finally, in the northeast of the site, Pool #2684 was certified for obligate species on July 10, 2001. Reference attached Natural Heritage Vernal Pool Observation Forms for details regarding the certification.

Mapped Potential Vernal Pools

Two potential vernal pools are mapped on the site by Natural Heritage Endangered Species Program. Potential vernal pool #11984 is located in the northeastern portion of the site adjacent to Route 140. Potential vernal pool #11985 is located in the same location as Certified Vernal Pool #2686.

Wetland and Vernal Pool Delineation

During the months of March, April and May of 2023, the wetland resource areas on locus site were flagged. Wetland resources include Bordering Vegetated Wetlands (BVW), Isolated Vegetated Wetlands (IVW), a perennial stream, and vernal pools. Four of the Certified Vernal Pools were located and the boundaries of the pools flagged on-site. Series VPV1- VPV24 delineated the boundary of certified pool #2686. Series VPW1-VPW20 delineated the boundary of pool #2685. Certified vernal pool #2687 is within wetland flagged with flag series GCA and GCC. Certified vernal pool #2684 is within flagged wetland flag series GCK. The boundary of Pool #2684 was flagged

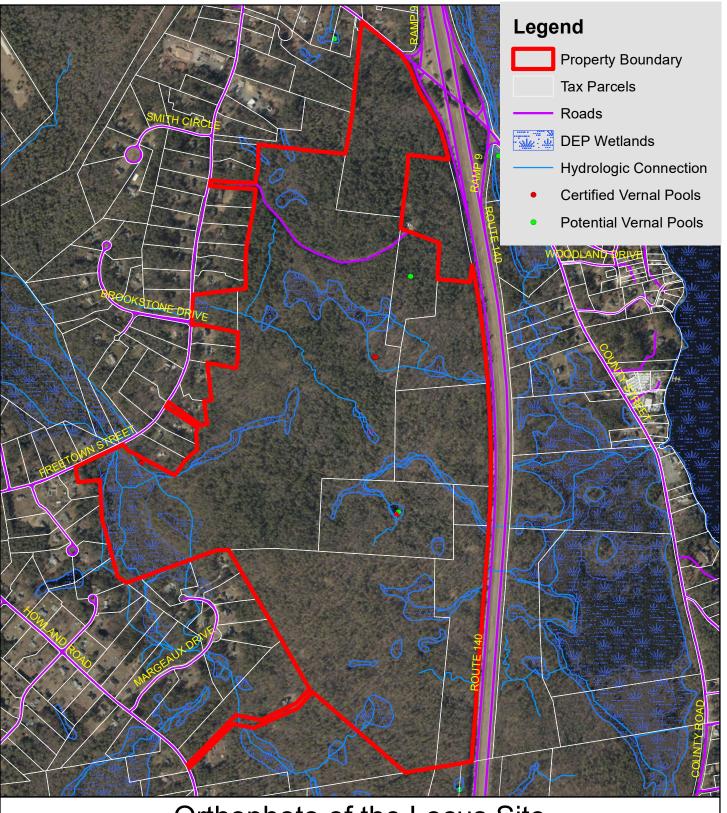


with wetland flag series GCY1-GCY24. The boundary of Pool #2687 was flagged with wetland flag series GCZ1-GCZ10.

Sincerely, Goddard Consulting, LLC

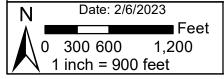
Tom Schutz, WPIT, WSA Wetland Scientist

CC: Mass Housing, 160 Federal Street #2, Boston, MA 02110



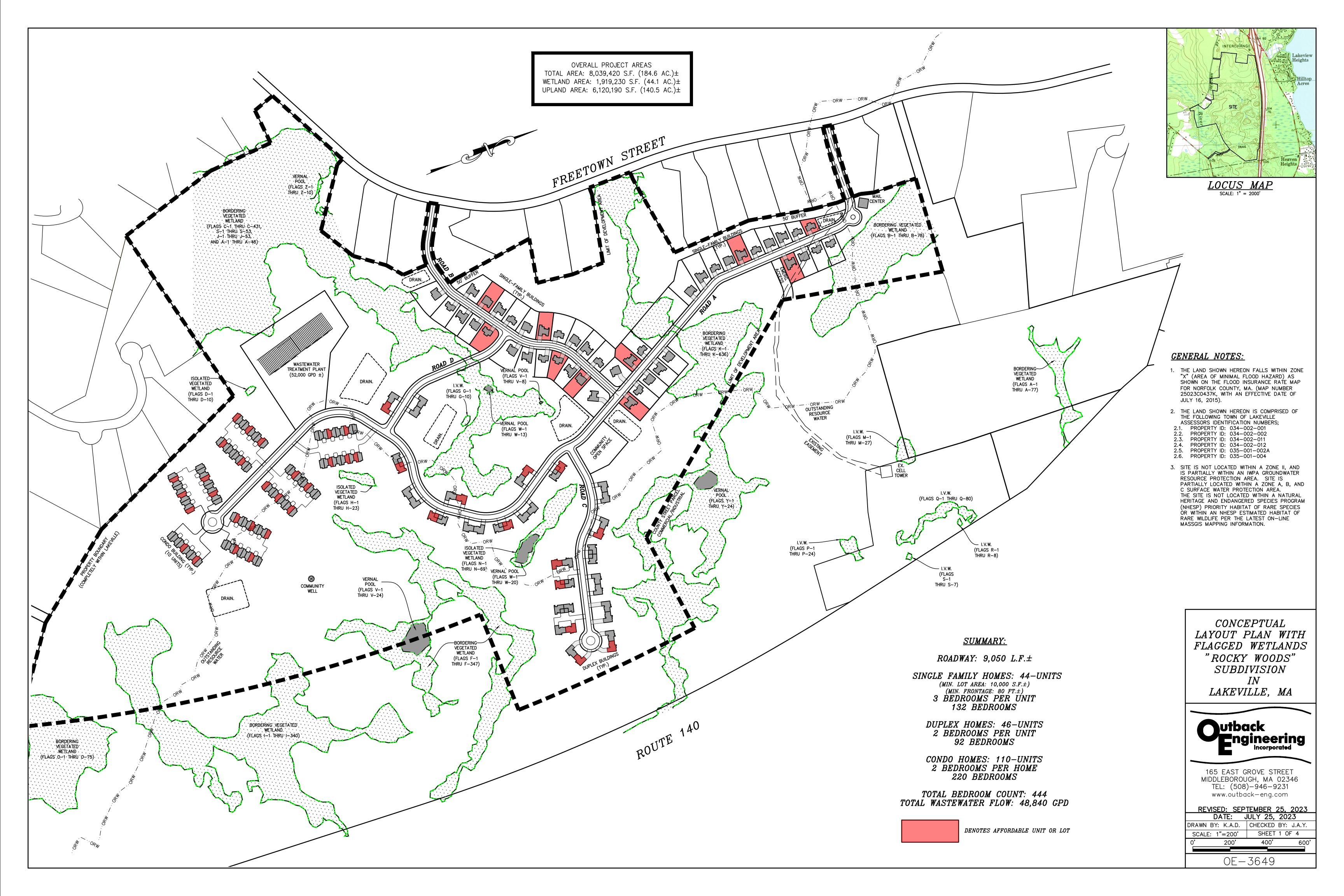
Orthophoto of the Locus Site Country Street - Lakeville, MA

(Map: 34, 35, Block: 1, 2, Lots: 1, 2, 2A, 3, 4, 5, 12, 17)



GIS Data Source: "Office of Geographic Information (MassGIS), Commonwealth of Massachusetts, MassIT"

GODDARD CONSULTING
Strategic Wetland Permitting





Natural Heritage & Endangered Species Program Massachusetts Division of Fisheries and Wildlife Vernal Pool Field Observation Form (For use with Guidelines for Certification of Vernal Pool Habitat)

CVP2684

For office use only.

1. Pool location	on			Addmess		THE REAL PROPERTY.	Instructions
Town Laber	ille		County P	lymorth	en en	CERTIFICATIO	MPLETE INFORMATION ABOUT ON, REFER TO GUIDELINES FOR ON OF VERNAL POOL HABITAT.
USGS Quadra			psett Pond	SERIE SERIE	ies 7.5' X 7.5'	PROVIDE REQUESTED I	E ALL OF THE INFORMATION IN BOXES 1-6. IF MORE SPACE O, ATTACH ADDITIONAL PAGES
WRITTEN DIRECTIONS REMANDIAN RE	INCLUDE ALL DOCUMENTAT AREA PROVID INCOMPLETE WILL BE RETI THE FOLL	L REQUIRED PHOTOGRAPHS AND TION. SIGN THE FORM IN THE DEED ON THE REVERSE SIDE. OR UNSIGNED SUBMISSIONS TURNED.					
BE BE	- WELL	+ swamp.				EACH OF THE	E NUMBERED BOXES.
MUST B MUST B	201bnuor	ing bns in	ed to Lo	Idilosan		LEGEND "7.5 RIGHT HAND O	7.5 X 7.5 SERIES HAS THE MINUTE SERIES" IN THE UPPER CORNER ALONG WITH THE NAME. THE 7.5 X 15 MINUTE
				(USE ADDITIONAL PAR	AGES, IF NECESSARY.)	SERIES IS SO HAND CORNER	R AND HAS THE QUADRANGLE
2. Observation Last date pool observations	served 5/8	First date	te pool/species	observed .	5/8/01	NAME IN THE WRITTEN 2 INDICA THAT THE POC COMPONENTS	LOWER RIGHT CORNER. DIRECTIONS MUST BE INCLUDED. ATE THE FIRST AND LAST DATES OOL OR ITS BIOLOGICAL WERE OBSERVED.
3 A. Evidence	COURTING	spermatophores	EGG	SALAMANDER	TRANSFORMING	TION BY OBLIG	A AND B ARE FOR CERTIFICA- GATE SPECIES. PART C IS ADDITIONAL INFORMATION
* = RARE SPECIES SPOTTED SALAMANDER	ADULTS	SPERMATOFILE	MASSES	LARVAE	JUVENILES	(APPRECIATED THE FACULTAT	D) OR FOR CERTIFICATION BY TIVE SPECIES. IF CERTIFYING BY
SALAMANDER * BLUE-SPOTTED	10		5/8/41			OBLIGATE SPE OF THE POOL	ECIES, PROVIDE A PHOTOGRAPH HOLDING WATER AND AT LEAST
SALAMANDER	45-3		UNION BUILDINGS			ONE PHOTOGR CHORUSING) C	RAPH (OR AUDIO TAPE FOR OF BREEDING ACTIVITY.
* SALAMANDER MARBLED	7.11 Billion 39	- 440	the stars			FOR CERT	TIFICATION BY FACULTATIVE DVIDE PHOTOGRAPHS OF THE
SALAMANDER	THAPATA		(36)	JASH, JASH		POOL HOLDING (OR TAPES) OF	G WATER AND PHOTOGRAPHS OF THE FACULTATIVE SPECIES AS
UNIDENTIFIED MOLE SALAMANDER	7-7	M SYNT NO	N-III	g dalar y so so		PHOTOGRAPH	ADDITIONALLY, PROVIDE A OF THE POOL WHEN DRY OR
And the second second	BREEDING CHORUS	MATED PAIRS	EGG MASSES	FROG TADPOLES	TRANSFORMING JUVENILES	OTHERWISE PR	ROVE THAT IT HAS NO FISH.
WOOD FROG					00.1	3 B. E	vidence: fairy
* SPADEFOOT TOAD						shrimp	
3 C. Evidence	e: faculta	ative organ	nisms Indi	cate date of ob		Park	0
* = RARE SPECIES	DATE OBSERVED	ACTIVITY OB		Sale date of oc.	servation.	DATE	ACTIVITY OBSERVED
BREEDING SPRING PEEPERS	OBSERVES		3002	PAINTE	ED TURTLES	OBSERVED	1 of a mount
BREEDING GRAY TREEFROGS					NG TURTLES		
BREEDING	CONTROL S			PREDACE	EOUS DIVING		WI .
GREEN FROGS BREEDING LEOPARD FROGS		-	A SERVICE	BEETLE	SCORPIONS		mrs U was
BREEDING -	naghridus i				SCORPIONS IFLY NYMPHS	100	1
BREEDING	and boy	101136			FLY NYMPHS		
AMERICAN TOADS BREEDING	hemourous	132					
FOWLER'S TOADS			101771-017	III TO THE REAL PROPERTY.	GIG BEETLE		
* SALAMANDERS RED-SPOTTED	A Alexander	1991	and the selection	LAF	ARVAE	a Berta moral de la	heles
NEWT (ADULTS)	dug grate	<u> </u>			DDISFLY ARVAE		
* SPOTTED TURTLES		la la	ALLE		ECHES		To moladuo
* WOOD TURTLES	us I the	1001 L			(FRESHWATER)		
* BLANDINGS TURTLES	,				AIR-BREATHING		

Although the following information is not required for certification, it is useful to NHESP to possibly better protect the vernal pool, its habitat and species. Optional information Instructions (continued) 4. INDICATE THE PHOTOGRAPHS BEING Property owner IT IS STRONGLY RECOMMENDED THAT LANDOWNER PERMISSION BE OBTAINED PRIOR TO COLLECTING CERTIFICATION DOCUMENTATION. SUBMITTED. LABEL, DATE, AND SIGN ALL PHOTOS. 5. MARK THE POOL CLEARLY ON ALL MAPS. THE POOL MUST BE CLEARLY DISTINGUISHED FROM Name OTHER WETLANDS AND BE RELOCATEABLE BY OTHERS. PROVIDE ANY MAPS THAT WOULD HELP SOMEONE UNFAMILIAR WITH THE AREA LOCATE THE Address VERNAL POOL IN THE FIELD. 6. THE FORM MUST BE SIGNED. UNSIGNED SUBMISSIONS WILL BE RETURNED WITHOUT FURTHER ACTION. OPTIONAL INFORMATION: PROPERTY OWNER. PROVIDE INFORMATION Town _ State ____ ZIP ABOUT PROPERTY OWNER(S), IF KNOWN. IT IS RECOMMENDED THAT YOU SEEK PROPERTY OWNER PERMISSION PRIOR TO CERTIFICATION ACTIVITIES. Rare wetland 🗓 🗷 Were any rare state-listed species observed RARE SPECIES. A PHOTOGRAPH IS NECESSARY USING THIS POOL? FOR DOCUMENTATION OF RARE SPECIES HABITAT. species DESCRIPTION. PROVIDE ANY INFORMATION Y IS A PHOTOGRAPH OF THE RARE SPECIES INCLUDED WITH THAT WILL DISTINGUISH THE POOL FROM OTHER THIS FILING? WETLANDS (BOULDERS, DEBRIS, TREE SPECIES. Description of pool and surroundings 4. Photographs MUST BE LABELED. DIMENSIONS: APPROXIMATE LENGTH 15m APPROXIMATE WIDTH 16m DATED, AND SIGNED. POOL HOLDING WATER APPROXIMATE DEPTH 0.25 ~ OBLIGATE +/OR FACULTATIVE SPECIES DESCRIBE DISTINCTIVE FEATURES (ROADS, STRUCTURES, BOULDERS, ETC.) WHICH ARE DRY POOL (REQUIRED FOR EVIDENCE 3C) VISIBLE FROM OR NEAR THE POOL. Associated with a larger Red Muple Swamp & 5. Maps submitted intermelent stream compren, Forested Campy 90% USGS TOPOGRAPHIC MAP (REQUIRED) and continuous Sphagnum layer. AND ONE OR MORE OF THE FOLLOWING: AERIAL PHOTOGRAPH DISTANCES/COMPASS DIRECTIONS PROFESSIONAL SURVEY ARE THERE OTHER DISTINCTIVE FEATURES ABOUT THIS POOL (VEGETATION TYPES, ABANDONED VEHICLES, FOOT TRAILS, ETC.) THAT WOULD HELP SOMEONE RECOGNIZE IT? LARGE SCALE TOPO OTHER between tock outcoops (relief tealines not OPTIONAL EXTRA INFORMATION adequately shown on topo map. SKETCH MAP OF AREA ASSESSOR'S MAP GPS LONGITUDE/LATITUDE COORDINATES

6.	Observer information & signature
	Name Brian Reid
,	Address Po Box 1221
	Town Aymorth State MA ZIP 02362
	Telephone
	e-mail
I her	reby certify under the pains and penalties of perjury that the information ained in this report is true and complete to the best of my knowledge.
Signa	ature

NAL 79704 W70, 96248

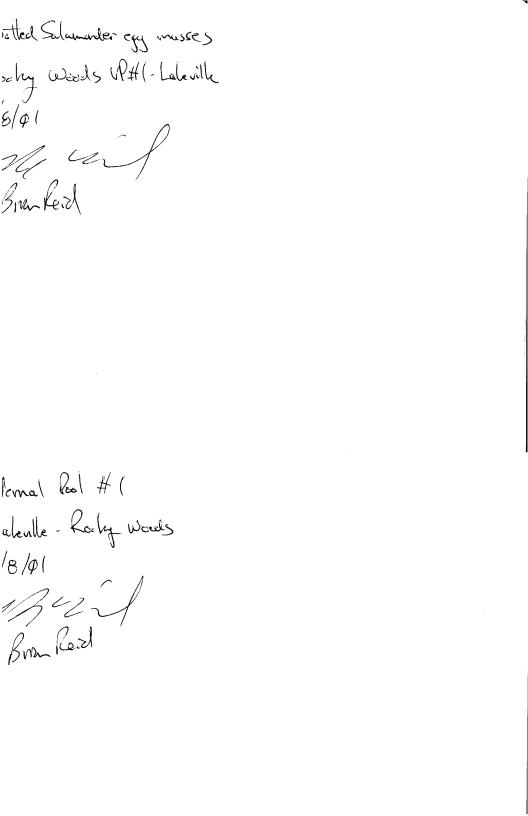
SEND COMPLETED FORM AND SUPPORTING DOCUMENTATION TO:

NH&ESP
VERNAL POOL CERTIFICATION
MA DIVISION OF FISHERIES & WILDLIFE
ROUTE 135
WESTBOROUGH, MA 01581

All submissions and supporting documents will be retained by the Natural Heritage & Endangered Species Program. Information submitted on this form and other documents is part of the public record and is available to interested parties under the State Documents Request Law.









* BLANDINGS TURTLES

Natural Heritage & Endangered Species Program Massachusetts Division of Fisheries and Wildlife

CVP2685

Vernal Pool Field Observation Form

(For use with Guidelines for Certification of Vernal Pool Habitat)

For office use only.

1. Pool location	1. Pool location Instructions							
Town Laberille County Phynorth CERTIFICATION, REFER TO GUIDELINES FOR								
CERTIFICATION OF VERNAL POOL HABITAT.								
USGS Quadrangle name Assampsett Pond Series 7.5' X 7.5' PROVIDE ALL OF THE INFORMATION REQUESTED IN BOXES 1-6. IF MORE SPACE IS REQUIRED, ATTACH ADDITIONAL PAGES.								
Written directions to pool: Pool is located south of cost path Signature and include all required photographs and documentation. Sign the form in the								
Whying Bo	00 m e	ast of Fre	etun St	Tec	+ (as	shown an	AREA PROVI	DED ON THE REVERSE SIDE.
								LLOWING INSTRUCTIONS REFER TO E NUMBERED BOXES.
## # # 2								7.5 X 7.5 SERIES HAS THE 5 MINUTE SERIES" IN THE UPPER
SHE WAS THE SHE							RIGHT HAND	CORNER ALONG WITH THE E NAME. THE 7.5 X 15 MINUTE
				(L	JSE ADDITIONAL PAG	ES, IF NECESSARY.)	SERIES IS S	D LABELED IN THE UPPER RIGHT ER AND HAS THE QUADRANGLE
2. Observation	a datas						NAME IN THE	E LOWER RIGHT CORNER. N DIRECTIONS MUST BE INCLUDED.
	1		e pool/specie	es c		5/8/01	1 1	ATE THE FIRST AND LAST DATES
Last date pool obs	erved $\frac{5}{8}$	3/0	date species	ob	served .	5/8/QL	THAT THE PO	DOL OR ITS BIOLOGICAL S WERE OBSERVED.
3 A. Evidence	: obligat	e amphib	ians Indic	ate	date of obse	rvation.		T A AND B ARE FOR CERTIFICA-
* = RARE SPECIES	COURTING ADULTS	SPERMATOPHORES	EGG MASSES		SALAMANDER LARVAE	TRANSFORMING JUVENILES	EITHER FOR	IGATE SPECIES. PART C IS ADDITIONAL INFORMATION ED) OR FOR CERTIFICATION BY
SPOTTED SALAMANDER			5/8/01				THE FACULTA	ATIVE SPECIES. IF CERTIFYING BY PECIES, PROVIDE A PHOTOGRAPH
* BLUE-SPOTTED * SALAMANDER			0/0/41				OF THE POO	L HOLDING WATER AND AT LEAST
* JEFFERSON				+			CHORUSING)	GRAPH (OR AUDIO TAPE FOR OF BREEDING ACTIVITY.
SALAMANDER				+			SPECIES, PR	RTIFICATION BY FACULTATIVE OVIDE PHOTOGRAPHS OF THE
* SALAMANDER UNIDENTIFIED MOLE	• •			-			(OR TAPES)	NG WATER AND PHOTOGRAPHS OF THE FACULTATIVE SPECIES AS
SALAMANDER							PHOTOGRAPH	Additionally, provide a f of the pool when dry or
	BREEDING CHORUS	MATED PAIRS	EGG MASSES		FROG TADPOLES	TRANSFORMING JUVENILES	ļ 	PROVE THAT IT HAS NO FISH.
WOOD FROG							3 _, B _. E	Evidence: fairy
* SPADEFOOT TOAD							Shrimp	
3 C. Evidence	· facultai	tive organ	niomo					
S.C. Evidence	DATE	T		dica ∃	te date of ob	servation.	DATE	Γ
* = RARE SPECIES BREEDING	OBSERVED	ACTIVITY C	DBSERVED	-			OBSERVED	ACTIVITY OBSERVED
SPRING PEEPERS					PAINTE	D TURTLES		١,
BREEDING GRAY TREEFROGS					SNAPPIN	IG TURTLES		
BREEDING GREEN FROGS						OUS DIVING E LARVAE		
BREEDING LEOPARD FROGS					WATER SCORPIONS			
BREEDING PICKERAL FROGS					DRAGONE	LY NYMPHS		:
BREEDING AMERICAN TOADS					DAMSELF	LY NYMPHS		
BREEDING FOWLER'S TOADS					DOBSON	LY LARVAE		
* BREEDING FOUR-TOED SALAMANDERS						SIG BEETLE RVAE		
RED-SPOTTED NEWT (ADULTS)						DISFLY RVAE		
* SPOTTED TURTLES					LEE	CHES		
* WOOD TURTLES				1	FINGERNAIL	(FRESHWATER)		

AMPHIBIOUS AIR-BREATHING SNAILS

Although the following information is not required for certification, it is useful to NHESP to possibly better protect the vernal pool, its habitat and species. Optional information Instructions (continued) 4. INDICATE THE PHOTOGRAPHS BEING IT IS STRONGLY RECOMMENDED THAT LANDOWNER PERMISSION BE OBTAINED PRIOR TO COLLECTING CERTIFICATION DOCUMENTATION. Property owner SUBMITTED. LABEL, DATE, AND SIGN ALL PHOTOS. 5. MARK THE POOL CLEARLY ON ALL MAPS. THE POOL MUST BE CLEARLY DISTINGUISHED FROM Name OTHER WETLANDS AND BE RELOCATEABLE BY OTHERS. PROVIDE ANY MAPS THAT WOULD HELP SOMEONE UNFAMILIAR WITH THE AREA LOCATE THE Address VERNAL POOL IN THE FIELD. 6. THE FORM MUST BE SIGNED. UNSIGNED SUBMISSIONS WILL BE RETURNED WITHOUT FURTHER ACTION. OPTIONAL INFORMATION: PROPERTY OWNER. PROVIDE INFORMATION Town ABOUT PROPERTY OWNER(S), IF KNOWN. IT IS RECOMMENDED THAT YOU SEEK PROPERTY OWNER PERMISSION PRIOR TO CERTIFICATION ACTIVITIES. Rare wetland Y K Were any rare state-listed species observed RARE SPECIES. A PHOTOGRAPH IS NECESSARY USING THIS POOL? FOR DOCUMENTATION OF RARE SPECIES HABITAT. species DESCRIPTION. PROVIDE ANY INFORMATION Is a PHOTOGRAPH OF THE RARE SPECIES INCLUDED WITH THIS FILING? THAT WILL DISTINGUISH THE POOL FROM OTHER WETLANDS (BOULDERS, DEBRIS, TREE SPECIES, Description of pool and surroundings 4. Photographs MUST BE LABELED. DIMENSIONS: APPROXIMATE LENGTH 40m APPROXIMATE WIDTH 2m DATED, AND SIGNED. N N POOL HOLDING WATER APPROXIMATE DEPTH 0,3m OBLIGATE +/OR FACULTATIVE SPECIES DESCRIBE DISTINCTIVE FEATURES (ROADS, STRUCTURES, BOULDERS, ETC.) WHICH ARE DRY POOL (REQUIRED FOR EVIDENCE 3C) VISIBLE FROM OR NEAR THE POOL. Deeper, open canapy wo border weather tran cart puth, Maps submitted USGS TOPOGRAPHIC MAP (REQUIRED) AND ONE OR MORE OF THE FOLLOWING: AERIAL PHOTOGRAPH DISTANCES/COMPASS DIRECTIONS PROFESSIONAL SURVEY ARE THERE OTHER DISTINCTIVE FEATURES ABOUT THIS POOL (VEGETATION TYPES, ABANDONED VEHICLES, FOOT TRAILS, ETC.) THAT WOULD HELP SOMEONE RECOGNIZE IT? Logg in LARGE SCALE TOPO OTHER OPTIONAL EXTRA INFORMATION SKETCH MAP OF AREA ASSESSOR'S MAP GPS LONGITUDE/LATITUDE COORDINATES NAI, 79485 W70.96342 K SEND COMPLETED FORM AND SUPPORTING DOCUMENTATION TO: NH&ESP VERNAL POOL CERTIFICATION MA DIVISION OF FISHERIES & WILDLIFE **ROUTE 135**

6. Observer information & signature
Name Brown Revel
Address PO Box 1221
Town Plymouth State MA ZIP 02362
Telephone
e-mail
I hereby certify under the pains and penalties of perjury that the information contained in this report is true and complete to the best of my knowledge.
Signature

WESTBOROUGH, MA 01581

All submissions and supporting documents will be retained by the Natural Heritage & Endangered Species Program. Information submitted on this form and other documents is part of the public record and is available to interested parties under the State Documents Request Law.





emal bel #2 aly woods. Lakville /e/p 1 4al ian Reid ted Salamenter Egg Mass my Weals UPH2 - Laberille 5/01 mail m leid



Spotled Salamander eggmass Rocky Woods P#2-Lakertle 5/8/01 Man Reid



Natural Heritage & Endangered Species Program Massachusetts Division of Fisheries and Wildlife

CVP2686

Vernal Pool Field Observation Form

7	(7/99)	. (For use with Guid	elines for Certifi	cation of Verna	l Pool Habitat)	- James		For office use only.
THIS INFORMATION WUST BE SUBMITTED	Pool location Town Laber USGS Quadran Written Directions	n The gle name /	Assawompsi	County P	ymorti Series	s 7.5' X 7.5' s 7.5' X 15' dans ape	PROVERED STATES OF THE STATES	COMPLETE IN TION, REFER ITION OF VER ITION. SIGNATION. SIGNATION OF VICTOR	ICTIONS FORMATION ABOUT TO GUIDELINES FOR NAL POOL HABITAT. HE INFORMATION 1-6. IF MORE SPACE ADDITIONAL PAGES. DO PHOTOGRAPHS AND N THE FORM IN THE E REVERSE SIDE. SINED SUBMISSIONS ISTRUCTIONS REFER TO ED BOXES. 5. SERIES HAS THE SERIES" IN THE UPPER LLONG WITH THE
	First date pool/species observed 2 Indicate the first and last dates 1 ast date pool observed 5 8 0 Last date species observed That the pool or its biological						IN THE UPPER RIGHT S THE QUADRANGLE IGHT CORNER. NS MUST BE INCLUDED. IRST AND LAST DATES BIOLOGICAL		
	3 A Fyidence: obligate amphibians, Indicate data of obscapation. 3. Part A and B are for certifica-							ARE FOR CERTIFICA-	
	RARE SPECIES SPOTTED SALAMANDER BLUE-SPOTTED SALAMANDER	COURTING ADULTS	SPERMATOPHORES	EGG MASSES	SALAMANDER LARVAE	TRANSFORMING JUVENILES	EITHER FO (APPRECIA THE FACU OBLIGATE OF THE PO	OR ADDITIONA (TED) OR FOR LTATIVE SPEC SPECIES, PRI DOL HOLDING	CIES. PART C IS L INFORMATION R CERTIFICATION BY CIES. IF CERTIFYING BY OVIDE A PHOTOGRAPH WATER AND AT LEAST AUDIO TAPE FOR
*	JEFFERSON SALAMANDER MARBLED SALAMANDER	in naszradni	0.000	KINH (STARS)	The state of		ONE PHOTOGRAPH (OR AUDIO TAPE FOR CHORUSING) OF BREEDING ACTIVITY. FOR CERTIFICATION BY FACULTATIVE SPECIES, PROVIDE PHOTOGRAPHS OF THE POOL HOLDING WATER AND PHOTOGRAPHS		
U	NIDENTIFIED MOLE SALAMANDER						REQUIRED PHOTOGRA	ADDITIONA APH OF THE F	CULTATIVE SPECIES AS LLY, PROVIDE A POOL WHEN DRY OR T IT HAS NO FISH.
		BREEDING CHORUS	MATED PAIRS	EGG MASSES	FROG TADPOLES	TRANSFORMING JUVENILES	2.0	F. ide.	W.A. 6-1
	WOOD FROG			5/8/91			shrim	Evider	nce: fairy
* :	SPADEFOOT TOAD			SI CONTACT			DATE OBSE	•	
	C. Evidence	: faculta	tive organ		cate date of ob	oservation.	DATE		CTIVITY OBSERVED.

* = RARE SPECIES	DATE OBSERVED	ACTIVITY OBSERVED		DATE OBSERVED	ACTIVITY OBSERVED
BREEDING SPRING PEEPERS	ES JAKET	al l	PAINTED TURTLES	kel to	A. Ivi
BREEDING GRAY TREEFROGS	391		SNAPPING TURTLES		
BREEDING GREEN FROGS	Supareavy	I LOUGH OF	PREDACEOUS DIVING BEETLE LARVAE		Name of the State
BREEDING LEOPARD FROGS			WATER SCORPIONS		
BREEDING PICKERAL FROGS	arda sediberda	112	DRAGONFLY NYMPHS	- 10.2 - 1	A Property of
BREEDING AMERICAN TOADS	arthyd benia	list.	DAMSELFLY NYMPHS		(V-)
BREEDING FOWLER'S TOADS	beragnain	2	DOBSONFLY LARVAE		
* BREEDING FOUR-TOED SALAMANDERS	nedo bus in	rot sketon to	WHIRLIGIG BEETLE LARVAE	a tere auni a	payer out of conten
RED-SPOTTED NEWT (ADULTS)	dugiem to h	6u	CADDISFLY LARVAE		
* SPOTTED TURTLES		To last war	LEECHES		7
* WOOD TURTLES	unal Trans	12/1/	FINGERNAIL (FRESHWATER) CLAMS		
* BLANDINGS TURTLES			AMPHIBIOUS AIR-BREATHING SNAILS		

Although the following information is not required for certification, it is useful to NHESP to possibly better protect the vernal pool, its habitat and species. Optional information Instructions (continued) 4. INDICATE THE PHOTOGRAPHS BEING IT IS STRONGLY RECOMMENDED THAT LANDOWNER PERMISSION BE OBTAINED PRIOR TO COLLECTING CERTIFICATION DOCUMENTATION. Property owner SUBMITTED. LABEL, DATE, AND SIGN ALL PHOTOS. 5. MARK THE POOL CLEARLY ON ALL MAPS. THE POOL MUST BE CLEARLY DISTINGUISHED FROM Name OTHER WETLANDS AND BE RELOCATEABLE BY OTHERS. PROVIDE ANY MAPS THAT WOULD HELP SOMEONE UNFAMILIAR WITH THE AREA LOCATE THE Address VERNAL POOL IN THE FIELD. 6. THE FORM MUST BE SIGNED. UNSIGNED SUBMISSIONS WILL BE RETURNED WITHOUT FURTHER ACTION. OPTIONAL INFORMATION: PROPERTY OWNER. PROVIDE INFORMATION State ____ZIP ABOUT PROPERTY OWNER(S), IF KNOWN. IT IS RECOMMENDED THAT YOU SEEK PROPERTY OWNER PERMISSION PRIOR TO CERTIFICATION ACTIVITIES. Rare wetland WERE ANY RARE STATE-LISTED SPECIES OBSERVED USING THIS POOL? RARE SPECIES. A PHOTOGRAPH IS NECESSARY FOR DOCUMENTATION OF RARE SPECIES HABITAT. species DESCRIPTION. PROVIDE ANY INFORMATION Is a photograph of the RARE SPECIES INCLUDED WITH THIS FILING? THAT WILL DISTINGUISH THE POOL FROM OTHER WETLANDS (BOULDERS, DEBRIS, TREE SPECIES, ETC.). Description of pool and surroundings MUST BE LABELED. DIMENSIONS: APPROXIMATE LENGTH 16m APPROXIMATE WIDTH 25m 4. Photographs DATED, AND SIGNED. POOL HOLDING WATER APPROXIMATE DEPTH OBLIGATE +/OR FACULTATIVE SPECIES DESCRIBE DISTINCTIVE FEATURES (ROADS, STRUCTURES, BOULDERS, ETC.) WHICH ARE DRY POOL (REQUIRED FOR EVIDENCE 3C) VISIBLE FROM OR NEAR THE POOL. Deep pool, partly open canolog 5. Maps submitted USGS TOPOGRAPHIC MAP (REQUIRED) AND ONE OR MORE OF THE FOLLOWING: AERIAL PHOTOGRAPH DISTANCES/COMPASS DIRECTIONS PROFESSIONAL SURVEY ARE THERE OTHER DISTINCTIVE FEATURES ABOUT THIS POOL (VEGETATION TYPES, ABANDONED VEHICLES, FOOT TRAILS, ETC.) THAT WOULD HELP SOMEONE RECOGNIZE IT? LARGE SCALE TOPO OTHER____ OPTIONAL EXTRA INFORMATION

6. Observer information & signature
Name Branleid
Address Po Box 12)
Town Plymath State MA ZIP 02362
Telephone
e-mail
I hereby certify under the pains and penalties of perjury that the information contained in this report is true and complete to the best of my knowledge.
Signature Date 4/1/0/

SKETCH MAP OF AREA ASSESSOR'S MAP

GPS LONGITUDE/LATITUDE COORDINATES N41,79224 W70.96199

SEND COMPLETED FORM AND SUPPORTING DOCUMENTATION TO:

NH&ESP
VERNAL POOL CERTIFICATION
MA DIVISION OF FISHERIES & WILDLIFE
ROUTE 135
WESTBOROUGH, MA 01581

All submissions and supporting documents will be retained by the Natural Heritage & Endangered Species Program. Information submitted on this form and other documents is part of the public record and is available to interested parties under the State Documents Request Law.





imal Poel #3 sely woods - Laleville Mil 3 Non Reid local Frog Egg Mass by Wards UP#3. Labreille wind moleiel





Wood Fog agg mass Kochy Woods NFH3-Lateville 5/8/01 mal Bru Reid bod Frag Egg Mess sely works VP#3-Laborille Mul man Reid



Natural Heritage & Endangered Species Program Massachusetts Division of Fisheries and Wildlife Vernal Pool Field Observation Form (For use with Guidelines for Certification of Vernal Pool Habitat)

PVP CVP2687

For office use only.

	12 (1700) (101 das with Quaetines for Certification of Fernal 1 on Habitat							
1.	Pool location	on					Instructions	
	Town Luke	ville	FOR COMPLETE INFORMATION ABOUT CERTIFICATION, REFER TO GUIDELINES FOR CERTIFICATION OF VERNAL POOL HABITAT.					
TION	USGS Quadrangle name Assumpted Series 7.5' X 7.5' Written directions to pool: On edge of swamp associated with Color Swamp River 50 m SE of Free from Sweet The following instructions refer to							
RMA							EACH OF THE NUMBERED BOXES.	
	QUADRANGLE NAME. THE 7.5 X 15 MINUTE SERIES IS SO LABELED IN THE UPPER RIGHT							
		HAND CORNER AND HAS THE QUADRANGLE NAME IN THE LOWER RIGHT CORNER.						
2.	Observation	n datas				1 1	WRITTEN DIRECTIONS MUST BE INCLUDED.	
۷.	Observation	n dates	. First date	pool/species	observed .	5/8/01	2 INDICATE THE FIRST AND LAST DATES THAT	
l ı	ast date pool obse	erved $5/8$	7	date species o		5/8/01	THE POOL OR ITS BIOLOGICAL COMPONENTS WERE OBSERVED.	
							3. PART A AND B ARE FOR CERTIFICATION	
3	A. Evidence	e: obligat	te amphib	ians Indica	te date of obse	ervation	BY OBLIGATE SPECIES. PART C IS EITHER FOR	
•	= RARE SPECIES	COURTING ADULTS	SPERMATOPHORES	EGG MASSES (2+)	SALAMANDER LARVAE	TRANSFORMING JUVENILES	ADDITIONAL INFORMATION (APPRECIATED) OR FOR CERTIFICATION BY THE FACULTATIVE SPECIES. IF	
	SPOTTED	ADDETO		11:	CARVAE	JOVENILES	CERTIFYING BY OBLIGATE SPECIES, PROVIDE A PHOTOGRAPH OF THE POOL HOLDING WATER AND	
	SALAMANDER O/8/Q AT LEAST ONE PHOTOGRAPH (OR AUDIO TAF						AT LEAST ONE PHOTOGRAPH (OR AUDIO TAPE FOR	
*	SALAMANDER						CHORUSING) OF BREEDING ACTIVITY. FOR CERTIFICATION BY FACULTATIVE SPECIES,	
*	JEFFERSON SALAMANDER						PROVIDE PHOTOGRAPHS OF THE POOL HOLDING WATER AND PHOTOGRAPHS (OR TAPES) OF THE	
*	MARBLED SALAMANDER						FACULTATIVE SPECIES AS REQUIRED. ADDITION- ALLY, PROVIDE A PHOTOGRAPH OF THE POOL	
	UNIDENTIFIED MOLE SALAMANDER						WHEN DRY OR OTHERWISE PROVE THAT IT HAS NO FISH.	
		BREEDING						
		CHORUS	MATED PAIRS	EGG MASSES (2+)	FROG TADPOLES	TRANSFORMING JUVENILES		
	WOOD FROG						3 B. Evidence: fairy	
*	SPADEFOOT TOAD						shrimp DATE OBSERVED	
2 /	Cuidosaa	. f f -	4:	•				
3 (o. ⊏viaence	. racuita	tive orgar	IISMS Two	or more must	be documented	. Indicate date of observation.	
*	= RARE SPECIES	DATE	ACTIVITY OF	BSERVED			DATE ACTIVITY ORSERVED	

1		
* = RARE SPECIES	DATE OBSERVED	ACTIVITY OBSERVED
BREEDING SPRING PEEPERS		
BREEDING GRAY TREEFROGS		
BREEDING GREEN FROGS		
BREEDING LEOPARD FROGS		
BREEDING PICKEREL FROGS		
BREEDING AMERICAN TOADS		
BREEDING FOWLER'S TOADS		
* BREEDING FOUR-TOED SALAMANDERS		·
RED-SPOTTED NEWT (ADULTS)		
* SPOTTED TURTLES		
★ WOOD TURTLES		
* BLANDINGS TURTLES		

	OBSERVED	ACTIVITY OBSERVED
PAINTED TURTLES		
SNAPPING TURTLES		
PREDACEOUS DIVING BEETLE LARVAE		
WATER SCORPIONS		
DRAGONFLY NYMPHS		
DAMSELFLY NYMPHS		
DOBSONFLY LARVAE		,
WHIRLIGIG BEETLE LARVAE		
CADDISFLY LARVAE		
LEECHES		
FINGERNAIL (FRESHWATER) CLAMS		
AMPHIBIOUS AIR-BREATHING		

Instructions (continued)

- 4. INDICATE THE PHOTOGRAPHS BEING SUBMITTED, LABEL, DATE, AND SIGN ALL PHOTOS.
- 5. MARK THE POOL CLEARLY ON ALL MAPS. THE POOL MUST BE CLEARLY DISTINGUISHED FROM OTHER WETLANDS AND BE LOCATABLE BY OTHERS. PROVIDE ANY MAPS THAT WOULD HELP SOMEONE UNFAMILIAR WITH THE AREA LOCATE THE VERNAL POOL IN THE FIELD.
- 6. THE FORM MUST BE SIGNED. UNSIGNED SUBMISSIONS WILL BE RETURNED WITHOUT FURTHER ACTION.

OPTIONAL INFORMATION:

PROPERTY OWNER. PROVIDE INFORMATION ABOUT PROPERTY OWNER(S), IF KNOWN. IT IS RECOMMENDED THAT YOU SEEK PROPERTY OWNER PERMISSION PRIOR. TO CERTIFICATION ACTIVITIES.

RARE SPECIES. A PHOTOGRAPH IS NECESSARY FOR DOCUMENTATION OF RARE SPECIES HABITAT.

DESCRIPTION. PROVIDE ANY INFORMATION THAT WILL DISTINGUISH THE POOL FROM OTHER WETLANDS (BOULDERS, DEBRIS, TREE SPECIES, ETC.).

4.	Photographs
----	-------------

MUST BE LABELED. DATED, AND SIGNED.

POOL HOLDING WATER

OBLIGATE +/OR FACULTATIVE SPECIES

DRY POOL (REQUIRED FOR EVIDENCE 3C)

5. Maps submitted

USGS TOPOGRAPHIC MAP (REQUIRED)

AND ONE OR MORE OF THE FOLLOWING:

AERIAL PHOTOGRAPH

SKETCH MAP WITH COMPASS DIRECTIONS AND

DISTANCES FROM LAND MARKS

PROFESSIONAL SURVEY

LARGE SCALE TOPO

OPTIONAL EXTRA INFORMATION

SKETCH MAP OF AREA

ASSESSOR'S MAP

GPS LONGITUDE/LATITUDE COORDINATES

6. Observer information & signature

NA1, 79224 W70,96149

Optional information

Although the following information is not required for certification, it is useful to NHESP to possibly better protect the vernal pool, its habitat and species.

Property owner		IT IS STRONGLY RECOMMENDED THAT LANDOWNER PERMISSION HE OBTAINED PRIOR TO COLLECTING CERTIFICATION DOCUMENTATION.			
Name					
Address		A CONTRACTOR OF THE PROPERTY O			
Town		State ZIP			
Rare wetland	YX	WERE ANY RARE STATE-LISTED SPECIES OBSERVED USING THIS POOL?			
species	M	Is a PHOTOGRAPH OF THE RARE SPECIES INCLUDED WITH THIS FILING?			

Description of pool and surroundings

DIMENSIONS: APPROXIMATE LENGTH 10 APPROXIMATE WIDTH 5 M

APPROXIMATE DEPTH O.I.

DESCRIBE DISTINCTIVE FFATURES (ROADS, STRUCTURES, BOULDERS, ETC.) WHICH ARE VISIBLE

Pooled area at base of slape in seepage swamp, trewent ported areas nearby. Open campy & dense show laren

ARE THERE OTHER DISTINCTIVE FEATURES ABOUT THIS POOL (VEGETATION TYPES, ABANDONED VEHICLES, FOOT TRAILS, ETC.) THAT WOULD HELP SOMEONE RECOGNIZE IT? 50m SE of Freekun

Street.

Name	Bran Reid		
Address	Po Box 122	XI	
Town	Plyments	State MA	ZIP 0236 2
Telephone	<u> </u>		- 17-
o mail			

hereby certify under the pains and penalties of perjury that the information contained in this report is true and complete to the best of my knowledge.

M M Date 4/1/01

SEND COMPLETED FORM AND SUPPORTING DOCUMENTATION TO:

NH&ESP

VERNAL POOL CERTIFICATION MA DIVISION OF FISHERIES & WILDLIFE Route 135 WESTBOROUGH, MA 01581

All submissions and supporting documents will be retained by the Natural Heritage & Endangered Species Program. Information submitted on this form and other documents is part of the public record and is available to interested parties under the State Documents Request Law.





Spotted Salamonder Egg Musses Roby Woods UP#4-Laberille

18/01 mn Bran lest



ivision of isheries & Wildlife

Wayne F. MacCallum, Director

VERNAL POOL CERTIFICATION FORM

Certified Vernal Pool: 2684

Town: LAKEVILLE

Date Certified: 2001-07-10

Directions: 2001-05-08: FROM FREETOWN STREET, TURN EAST ALONG THE DIRT ROAD. FOLLOW THE DIRT ROAD 600 METERS TO THE CELL PHONE TOWER AND THEN SOUTH FOR 100 METERS TO AN INTERMITTENT STREAM. FOLLOW THE

STREAM WEST AND THEN SOUTH FOR ABOUT 100 METERS TO THE POOLED

AREA IN THE SWAMP.

Land Ownership Information (If Supplied):

Mans	submitted	with	certification	and	attached	to:	this	form
MIAUS	Submitted	** 1 1 11	cei uncauon	anu	attachcu	w	LHIS	10111

V	USGS topographic map showing location if the vernal pool
	Assessor's map (or other property map) showing location of pool
	Compass bearings and distances to the pool from permanent landmarks
✓	Aerial photograph/80 or 100 scale topographic map showing location of the poo
	Professional survey showing location of the pool
	Sketch map or description of the immediate vicinity of the pool

Documented Biological Indicators Accepted by NHESP

	Wood Frog (Obligate Amphibian)
V	Mole Salamander (Obligate Amphibian)
\Box	Fairy Shrimp (Obligate Invertebrate)
	Facultative Amphibian
	Facultative Invertebrate
	Facultatuve Reptile

The NHESP has not been notified of the presence of rare state-listed wildlife species in this vernal pool habitat

Vernal pools may be protected under the following regulations:

- Massachusetts Wetlands Protection Act Regulations (310 CMR 10.00)
- Massachusetts Surface Water Quality Standards Regulations (314 CMR 4.00)
- Title V (Subsurface Sewage Disposal) Regulations (30 CMR 15.00)
- Forest Cutting Practices Act Regulations (304 CMR 11.00)



Natural Heritage & Endangered Species Program



ision of isheries & Wildlife

Wayne F. MacCallum, Director

VERNAL POOL CERTIFICATION FORM

Certified Vernal Pool: 2685

Town: LAKEVILLE

Date Certified: 2001-07-10

Directions: 2001-05-08: FOLLOW FREETOWN STREET SOUTH AND TURN LEFT ONTO THE CARTPATH. THE POOL IS LOCATED SOUTH OF THE CART PATH ABOUT 800 METERS FROM FREETOWN STREET. REFER TO THE SUBMITTED MAPS FOR

THE EXACT LOCATION OF THE POOL.

Land Ownership Information (If Supplied):

Maps submitted	with	certification	and	attac	hed	l to 1	this	form
----------------	------	---------------	-----	-------	-----	--------	------	------

V	USGS topographic map showing location if the vernal pool
	Assessor's map (or other property map) showing location of pool
	Compass bearings and distances to the pool from permanent landmarks
✓	Aerial photograph/80 or 100 scale topographic map showing location of the poo
	Professional survey showing location of the pool
	Sketch map or description of the immediate vicinity of the pool

Documented Biological Indicators Accepted by NHESP

Wood Frog (Obligate Amphibian)
Mole Salamander (Obligate Amphibian)
Fairy Shrimp (Obligate Invertebrate)
Facultative Amphibian
Facultative Invertebrate
Facultatuve Reptile

The NHESP has not been notified of the presence of rare state-listed wildlife species in this vernal pool habitat

Vernal pools may be protected under the following regulations:

- Massachusetts Wetlands Protection Act Regulations (310 CMR 10.00)
- Massachusetts Surface Water Quality Standards Regulations (314 CMR 4.00)
- Title V (Subsurface Sewage Disposal) Regulations (30 CMR 15.00)
- Forest Cutting Practices Act Regulations (304 CMR 11.00)



Natural Heritage & Endangered Species Program



ision ot ries & Wildlife

Wayne F. MacCallum, Director

VERNAL POOL CERTIFICATION FORM

Certified Vernal Pool: 2686

Town: LAKEVILLE

Date Certified: 2001-07-10

Directions: 2001-05-08: FOLLOW FREETOWN STREET SOUTH AND TURN LEFT ONTO THE CARTPATH. FOLLOW THE CARTPATH FOR ABOUT 800 METERS TO ONE VERNAL POOL (CVP #2685) AND THEN TURN SOUTH. WALK DOWNSLOPE FOR 150 METERS AND THEN FOLLOW THE INTERMITTENT STREAM THAT RUNS

BETWEEN THE ROCK OUTCROPS TO THE POOL.

Land Ownership Information (If Supplied):

Maps submitted with certification and attached to this t	10111
--	-------

Y	USGS topographic map showing location if the vernal pool
	Assessor's map (or other property map) showing location of pool
	Compass bearings and distances to the pool from permanent landmarks
~	Aerial photograph/80 or 100 scale topographic map showing location of the pool
	Professional survey showing location of the pool
	Sketch map or description of the immediate vicinity of the pool

Documented Biological Indicators Accepted by NHESP

~	Wood Frog (Obligate Amphibian)
	Mole Salamander (Obligate Amphibian)
	Fairy Shrimp (Obligate Invertebrate)
	Facultative Amphibian
	Facultative Invertebrate
	Facultatuve Reptile

The NHESP has not been notified of the presence of rare state-listed wildlife species in this vernal pool habitat

Vernal pools may be protected under the following regulations:

- Massachusetts Wetlands Protection Act Regulations (310 CMR 10.00)
- Massachusetts Surface Water Quality Standards Regulations (314 CMR 4.00)
- Title V (Subsurface Sewage Disposal) Regulations (30 CMR 15.00)
- Forest Cutting Practices Act Regulations (304 CMR 11.00)



Natural Heritage & Endangered Species Program



ision ot ries & Wildlife

Wayne F. MacCallum, Director

VERNAL POOL CERTIFICATION FORM

Certified Vernal Pool: 2687

Town: LAKEVILLE

Date Certified: 2001-07-10

Directions: 2001-05-08: THE POOL IS LOCATED AT THE EDGE OF THE SWAMP ASSOCIATED WITH CEDAR SWAMP RIVER ABOUT 50 METERS SOUTHEAST OF FREETOWN STREET. REFER TO THE SUBMITTED MAPS FOR THE EXACT LOCATION OF THE

POOL.

Land Ownership Information (If Supplied):

Mans sub	mitted	with	certification	and	attached	to this	form
----------	--------	------	---------------	-----	----------	---------	------

USGS topographic map showing location if the vernal pool
Assessor's map (or other property map) showing location of pool
Compass bearings and distances to the pool from permanent landmarks
Aerial photograph/80 or 100 scale topographic map showing location of the pool
Professional survey showing location of the pool
Sketch map or description of the immediate vicinity of the pool

Documented Biological Indicators Accepted by NHESP

	Wood Frog (Obligate Amphibian)
✓	Mole Salamander (Obligate Amphibian)
	Fairy Shrimp (Obligate Invertebrate)
	Facultative Amphibian
	Facultative Invertebrate
	Facultatuve Reptile

The NHESP has not been notified of the presence of rare state-listed wildlife species in this vernal pool habitat

Vernal pools may be protected under the following regulations:

- Massachusetts Wetlands Protection Act Regulations (310 CMR 10.00)
- Massachusetts Surface Water Quality Standards Regulations (314 CMR 4.00)
- Title V (Subsurface Sewage Disposal) Regulations (30 CMR 15.00)
- Forest Cutting Practices Act Regulations (304 CMR 11.00)



Natural Heritage & Endangered Species Program