Vernal Pool Monitoring

Visit #:
'e
Pool
escribe below)
(describe below)

Presence of inlet or outlet / channel with water:

Does the pool have an inlet/outlet or a channel with water flowing into or out of the pool? You may have to walk around the entire pool to answer this question.

Please check one of the following:	
Yes, there is a channel and there is water flowing in it right now.	
Yes, there is a channel but it is dry right now.	
No, there is no channel.	
Not sure	
Pool Photos: Please take a photo of the pool from each side of the pool for a total of four photos. Please also take some photos of the habitat surrounding the pool.	
Pool photo numbers:	

Section 2:

Surrounding Habitat: (within 100 feet of pool)

(Circle all that apply) Deciduous Forest	Coniferous Forest	Mixed Forest	Other
(Circle all that apply) Upland - dry to moist, hig	gher ground	Lowland - wet, low, flat	or level ground
Briefly describe in words	s and draw a sketch	of the habitat of the ar	ea around the pool.
List types of plants and a	animals in the surro	unding habitat you or the	e group identified:
Any human activities or r If yes, describe here.	non-natural disturbo	nces in the surrounding l	habitat? Yes/No

Section 3:

Pool Size, Depth, and Temperature:

Length	feet (measure at n	naximum length)		
Width	feet (measure	at maximum width)	
Maximum Depth		_ record unit of	measurement (inches, cm, or feet)
•	ere the deepest part of nd record the deepest w	•	several pool dep	oth measurements near the
Water Temperature	: (°F)		-	
	mperature readings alon the average water temp	•	e pool. Record	them below, calculate the
Water temperature i	reading 1 (at edge of poo	ol):		
Water temperature i	reading 2 (at center of p	oool):		
Water temperature i	reading 3 (at other edge	of pool):		
Water Level at time	e of survey (circle on	e below)		
Full/nearly full	Partially full	Less than	half full	Dry/mostly dry
Pool Substrat	e / Soils (wł	nen pool is	s dry) (o	ptional):
Soil pH:				
Soil moisture (circle	one): Wet	Moist	Dry	
Substrate / soil typ	e (circle ALL that c	apply):		
Silt - Clay	Sand	Gravel	Unknown	
Muck - Peat	Loam	Bedrock	Oth	ner (describe below)

Section 4:

Pool Vegetation:

Are trees present in	or along the	pool? (Only trees w	vith trunks a	t least 4 inche	es wide)
Yes, insid	e the pool.					
Yes, but o	only along the	edge of t	he pool.			
No trees	are present	in or along	the edge	of the poo	l.	
Approximate # of	trees inside	the pool: _		_ Along	edge of po	ol:
How much of the poo	l is covered	by the fo	llowing ty	pes of veg	getation?	
Estimate using the fol	lowing catego	ories: 0%	1-9%	10-25%	26-50%	>50%
Floating plants (flo	ating in wate	r or on sur	face): _			
Emergent plants (s	ticking up ou	t of the wo	ıter):			
Shrubs (woody shr	ubs and tree	s with trun	ks < 4 incl	hes wide):		_
Tree canopy over p	oool (when tre	ees are full	y leafed (out):		
Additional cover for	animals (circ	le all that o	apply):			
Leaf Litter	Logs	Branch	es/twigs	^	Noss	Algae
Submergent Plants	(fully subme	rged in the	e water)	Other ((describe be	elow)

Pool Disturbance:

Do you see any human disturbance or invasive plants in or along the edge of the pool? Yes / No (circle one) If yes, describe here.

Section 5:

Sketch of Pool	•
----------------	---

Sketch the pool including labels and detail as necessary to show its features.

Indicator Species and Additional Species:

List animal species observed or collected. Put a *star by those species that are vernal pool *indicator* species (fairy shrimp, wood frog, spotted salamander, blue-spotted salamander, fingernail clams). Photograph species if possible.

Create a detailed sketch of at least one of the species collected and label your drawing with the correct name. If you have time, use the back of this sheet to sketch and label more of the species collected.