



Michigan Vernal Pools Project

Volunteer Vernal Pool Monitoring Form

QC Date:	
QC Initials:	
Date Entered:	

http://mnfi.anr.msu.edu/vernalpools/ - Contact MNFI at (517) 284-6200

4) 01										
1a) Observer Information Visit 1 Visit 2	☐ Visit 3	Time: from Al	M PM to AM PM							
Name(s): Date:										
1b) Property Information Ownership? Public	Private Landowner/	Manager Name:								
Site name:	Address:									
Plot#	City:	State:	Zip:							
2a) Vernal Pool Location Was pool mapped as a Potential Vernal Pool (PVP)?										
Pool ID #: New Pool ID #:	Enter coordinates in Dec	imal Degrees (e.q. Latitude: 44.76	4322 Longitude: -72.654222)							
Township/Range/Section/1/4 info:	Latitude: Longitude:									
County:	For verification of PVP's location please enter names and coordinates for the nearest crossroads.									
Method for locating pool? ☐ In the Field	Record as Decimal Degrees as shown above. Latitude: Longitude:									
GPS Topo Map Google Earth Air Photo	Crossroad names:									
	crossroad names.									
2b) Brief Site Directions to Pool **										
** Written site directions to pool (This should include: (1) description of a log	ical starting point: (2) the dist	ance from the starting point to pool:	(3) the direction of travel: and (4) distinctive							
landmarks and water bodies.): For example 'Enter Robinhood Park on the trails stone wall.'										
	□ N-+ C····· Dool	Dhata Niveshava								
3a) Pool Type Is this a Vernal Pool? ☐ Yes ☐ No	_	Photo Numbers:								
Open Pool Sparsely Vegetated Pool		Shrubby Pool								
Forested Pool Marsh Pool		Other (describe):								
3b) Presence of Inlet or Outlet										
Is this pool isolated or connected to a part of another water fe			mergent/shrubby wetland							
Yes, pool is isolated No, pool is connected to: (check	· —		l wetland 🔲 vernal pool							
If inlet/outlet is present, indicate type: permanent te	. , _	now none								
3c) Surrounding Habitat (within 100 feet of pool) (chec										
Upland Deciduous Forest Lowland Deciduous Forest		Powerline right-of-way	Other:							
Upland Coniferous Forest Lowland Coniferous Forest	Agriculture	Light development (<25	_							
Upland Mixed Forest Lowland Mixed Forest	☐ Road/driveway	☐ Intensive development (
☐ Floodplain ☐ Grassland or open	paved	\square Minor logging (> or = 70	-							
Emergent Wetland (marsh, bog)	☐ dirt/gravel	Major logging (< or = 70	0% canopy remaining)							
4a) Approximate Maximum Pool Depth 4d	Approximate Size	of Pool (at maximum cap	acity - at widest and longest points)							
☐ Ankle-deep (<6") ☐ Hip-deep (2-3 ft) Wi	dth:	feet								
☐ Shin-deep (6-12") ☐ Chest-deep (3-4 ft) Le	ngth:	feet								
☐ Knee-deep (12-24") ☐ Deeper than 4 ft Siz	re determined by: 🔲 F	Pacing Measuring	Using GPS							
4b) Water Level at Time of Survey (check one) 4e) Substrate (when dry - check ALL that apply)										
☐ Full/Nearly full 75-100% ☐ Less than half 25-49% ☐	Leaf litter	Sand - Gravel	Unknown							
Partially full 50-74% Dry/mostly dry 0-24%	Bedrock	☐ Muck - Peat	Other:							
4c) Water temperature (*F):	Loam	Silt - Clay								

No Yes, within pool basin Yes, but only at the edge for frees only within the pool basin Yes, but only at the edge for frees only within the pool basin live and/or dead/snage Shrubs Submergent vegetation for frees only within the pool (check one): Shagnum moss Emergent vegetation (grasses, cattalis) Branches, twigs Sphagnum moss Emergent vegetation (grasses, cattalis) Shagnum moss Emergent vegetation (grasses, cattalis) Shagnum moss Emergent vegetation (grasses, cattalis) Shagnum moss Emergent vegetation (grasses, cattalis) Shrubs Other: Leaf litter Shrubs Shrubs Shrubs Other: Leaf litter Shrubs Shrubs Shrubs Shrubs Shrubs Shrubs Shrubs Other: Leaf litter Shrubs	4f) Vegetation in Po	ol						pool that can provide egg	
No Yes, within pool basin es, but only at the edge Shrubs Submergent vegetation	Are trees (trees = or > 4" in diameter) present in the basin? (check one)					attachment sites and offer concealment to adults and/or			
for frees only within the pool basin? live and/or dead/snags Branches, twigs Logs or large woody debris % Cover within the pool (check one): Sphagnum moss Emergent vegetation (grasses, cattalis) Floating vegetation: 0% 1 to 9% 10 to 25% 26 to 50% >50% Allgae Other:	☐ No ☐ Yes, within pool basin ☐ Yes, but only at the edge							norgant vagatation	
% Cover within the pool (check one):	# of trees only within the	ne pool basin?	☐ live a	and/or 🗌 dea	d/snags				
Floating vegetation: 0% 1 to 9% 10 to 25% 26 to 50% >50% Algae Other: Emergent vegetation: 0% 1 to 9% 10 to 25% 26 to 50% >50% Leaf litter Shrubs: 0% 1 to 9% 10 to 25% 26 to 50% >50% Tree canopy over pool basin (when leaves are fully out): 0% 10 to 25% 26 to 50% >50% 4g) Pool Disturbance (in pool, immediately adjacent or along shore of pool - check all that apply) Dumping - Refuse Filling Invasive Species Present Ottching - Oraining Sediment Purple loosestrife Garlic mustard Agricultural runoff Vehicle ruts Reed canary grass Other: Cultivation - Livestock Presence of rock pile or other anthropogenic disturbance No disturbances 5) Indicator Species and Additional Species (if other species are observed please list below in blank fields under Fingernail Clams) **Trovide a photograph of each indicator species (adults, juveniles/larvae, or egg masses) observed. Photos of species observed are required. **Species Observed Adults Tadpoles/Larvae Number Estimated Counted Photo of yes Notes/Photo ID# **Wood Frog Notes/Photo ID# **Booted Salamander Number Estimated Counted Photo of yes Notes/Photo ID# **Bringemail Clams Number Estimated Counted Photo of yes Notes/Photo ID# **Bringemail Clams Number Estimated Counted Presented Salamander Number Pre	% Cover within the poo	ol (check one):						,	
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Shrubs: 0%	_			_	_			:	
Tree canopy over pool basin (when leaves are fully out):						Leaf litter			
Agy Pool Disturbance (in pool, immediately adjacent or along shore of pool - check all that apply) Dumping - Refuse			_	_	9% □ 10) to 25% 🔲 26 to	50% □ >50%		
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Cultivation - Livestock		<u>—</u>							
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Fairy Shrimp Fingernail Clams Fingernail Clams	_								
Fingernail Clams	Blue-spotted Salamander								
Fingernail Clams	Fairy Shrimp								
Were any of the following observed? (check ALL that apply) Fish: (indicate all lengths observed) < 3" > 3" Green frogs: tadpoles adults Bullfrogs: tadpoles adults Other: Comments: Draw diagram of pool (include landmarks, location of indicated species,									
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	☐ Bullfrogs: ☐ tadpole	s adults	☐ Other	:					
north arrow and area surveyed if entire pool was not surveyed):	Comments:								
					north arr	ow and area surve	eyed if entire po	ol was not surveyed):	