

NHESP VERNAL POOL OBSERVATION REPORT

V1818

VERNAL POOL IDENTIFICATION

Town:

Wayland

Pool name:

Loker Conservation Land Vernal Pool #1

Potential Vernal Pool:

Not Answered

Geometry Type: Polygon
Coordinates(x,y): X Min: -71.3431116893612 Y Min: 42.3260575514334 X Max: -71.3412341430509 Y Max: 42.3271759670368

Coordinate Source: Not Answered

Other Coordinate Source: Not Answered

Accuracy: Not Answered

Vernal Pool Geometry:



Directions to Vernal Pool:

From Rt 30 take Loker access road to parking lot. Pool is located just North of the parking lot.

Date(s) of visit(s) to the Vernal Pool:

<i>Date</i>
Thursday, April 4, 2019
Saturday, April 6, 2019
Sunday, April 7, 2019

OBLIGATE SPECIES

Salamanders							
Species Name	Visit Date	Courting Adults	Spermatophores	Egg Masses	Larvae	Transforming Juveniles	Photos
Unidentified Mole Salamander	Saturday, April 6, 2019	Not Answered	Not Answered	3	Not Answered	Not Answered	EggMass4.jpg
Unidentified Mole Salamander	Thursday, April 4, 2019	Not Answered	1	Not Answered	Not Answered	Not Answered	Spermatophores.jpg

Frogs							
Species Name	Visit Date	Mated Pairs	Full Chorus	Egg Masses	Tadpoles	Transforming Juveniles	Photos
Wood Frog	Saturday, April 6, 2019	Not Answered	Not Answered	4	Not Answered	Not Answered	Eggmasses1and2.jpg Eggmass3.jpg
Wood Frog	Thursday, April 4, 2019	Not Answered	Not Answered	1	Not Answered	Not Answered	EggMass5.jpg

Fairy Shrimp	
Observation Date	Photos

FACULTATIVE SPECIES

<i>Species Name</i>	<i>Visit Date</i>	<i>Breeding Evidence Observed</i>	<i>Count</i>	<i>Photos</i>
Spring Peeper	Saturday, April 6, 2019	Full Breeding Choruses	Not Answered	
Spring Peeper	Sunday, April 7, 2019	Full Breeding Choruses	Not Answered	

DESCRIPTION AND SURROUNDINGS

Dimensions:

Approximate Length: 260 feet
Approximate Width: 174 feet
Approximate Maximum Depth: 6 feet

Describe distinctive features (roads, structures, boulders, foot trails, vegetation types, etc.) which are visible from or near the pool that would help someone recognize it:
It is just steps north of the parking lot at Loker Conservation Land. As you approach it, you will notice the dam on your left and the pond in front of you.

Origin of the pool:

- Natural depression
- Human-made pool / ditch
- Created wetland / pool
- Other

Describe: 1943 Topo map shows a stream leading to the pool/ likely was not as large until dammed in the 60's.

The pool's hydraperiod is most likely:

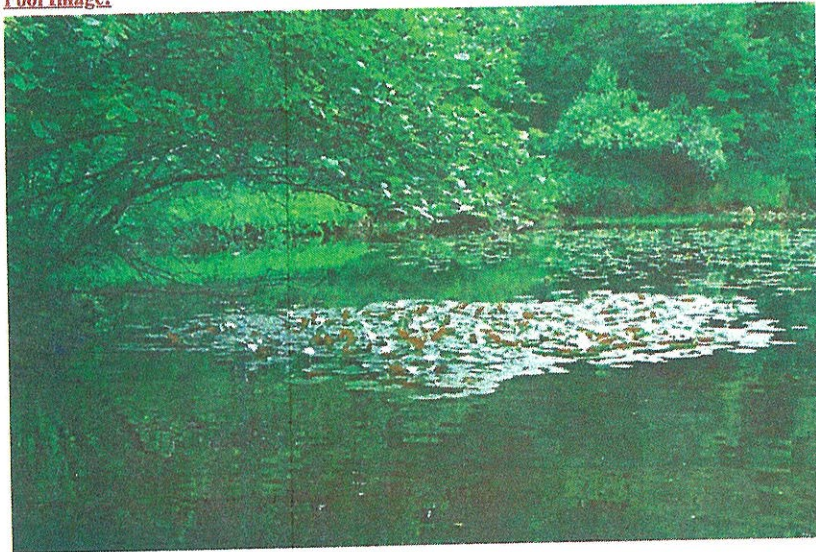
Permanent

Describe any inlet or outlets to / from the pool and their permanence (e.g., streams, culverts, etc):
There is a stream that enters from the north and goes under the aqueduct. It appears on topo maps to be a headstream.

Land use in vicinity of pool (approximately 100 ft from pool edge - check all that apply):

- upland forest
- forested wetlands
- emergent marsh / scrub-shrub wetland
- agricultural / grassland / meadow
- residential / commercial
- other blacktop

Pool Image:



OTHER OBSERVATION INFO

Associated Survey:

No

Property Owners

<i>Name</i>	<i>Address</i>	<i>Town</i>	<i>State</i>	<i>Zip</i>	<i>Parcel</i>	<i>Comment</i>
Town of Wayland Conservation Department	41 Cochituate Road	Wayland	MA	01778	8861	Town of Wayland Conservation Department Land

Observer Information:

First Name: John

Last Name: Sax

Address 1: 203 Willow Brook Drive

Address 2: Not Answered

Town: Wayland

State: MA

Zip: 01778

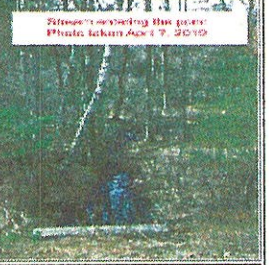
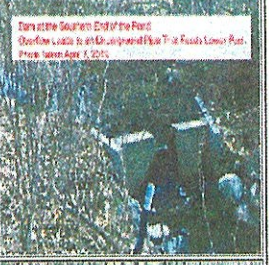
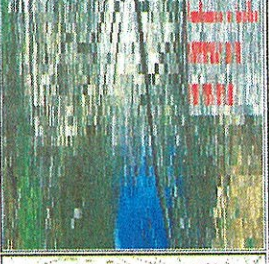
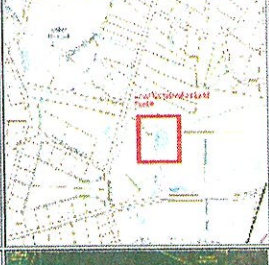
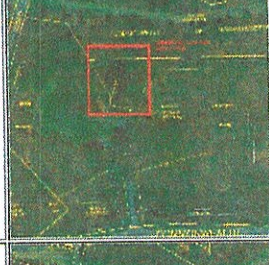
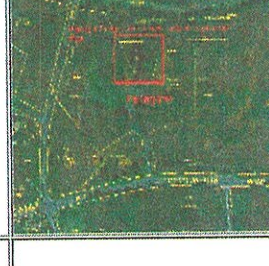
Telephone: 781 248 4006

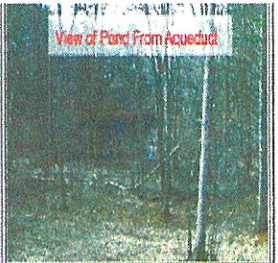

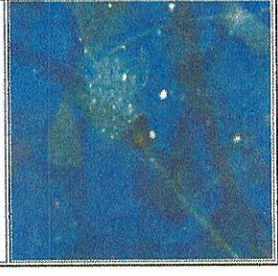
Email: saxgame@comcast.net

OBSERVER COMMENTS

<i>Observation Date</i>	<i>Comment</i>
Sunday, April 7, 2019	Most of the activity seems to be located on the western edge of the pool. We did not venture far as the water is deep. We focused on what we could see from land.

PHOTOS/DOCUMENTS

Title	Filename	Type	Description	Thumbnail
streamentering the pond.jpg	streamentering the pond.jpg	Photo		 <p>Stream entering the pond Photo taken Apr 4, 2019</p>
Dam.jpg	Dam.jpg	Photo		 <p>Dam at the Southern End of the Pond Over the Lake to the Gravel Pond to the Road Lower Pond Photo taken Apr 4, 2019</p>
LokerConservationLandVernalPool#1PanoramicView.jpg	LokerConservationLandVernalPool#1PanoramicView.jpg	Photo		
LokerConservationLandVernalPool#1TopoMap.jpg	LokerConservationLandVernalPool#1TopoMap.jpg	Photo		
LokerConservationLandVernalPool#1Orthophoto.jpg	LokerConservationLandVernalPool#1Orthophoto.jpg	Photo		
3rd mapforvernalpoolcertification.jpg	3rd mapforvernalpoolcertification.jpg	Photo		
ViewofPondFromTheAqueduct.jpg	ViewofPondFromTheAqueduct.jpg	Photo		

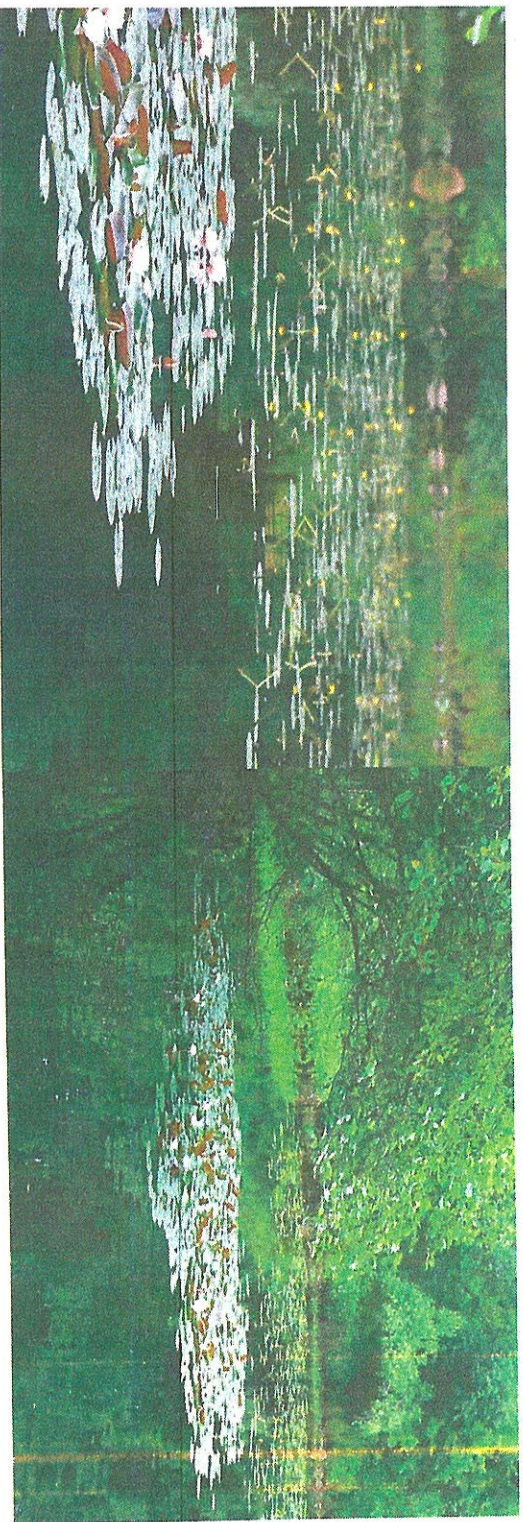
			
egg mass 6.jpg	egg mass 6.jpg	Photo	
egg mass 7.jpg	egg mass 7.jpg	Photo	

Loker Conservation Land Vernal Pool Number 1

Reported to NHESP on April 7, 2019



Loker Conservation Land Vernal Pool #1
Panoramic View of the Pool
Photo Taken April 8, 2019



Location



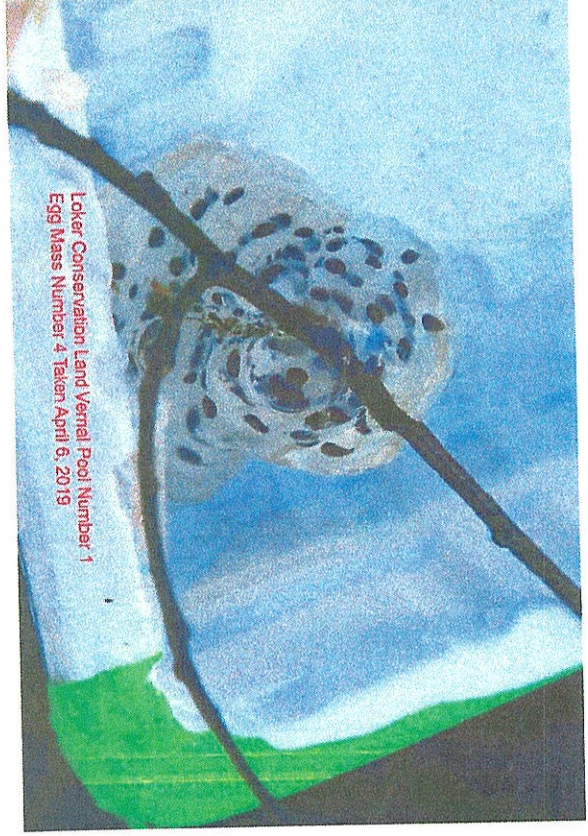
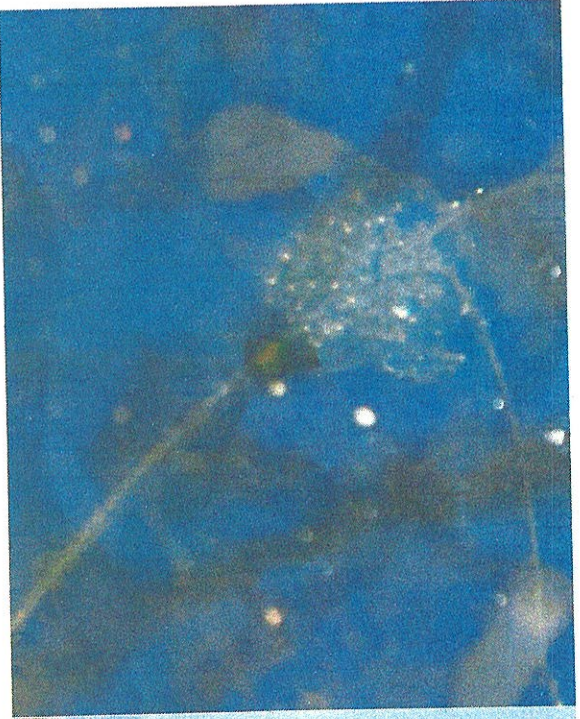
Proof of Obligate Species:

Spermatophores from mole salamanders



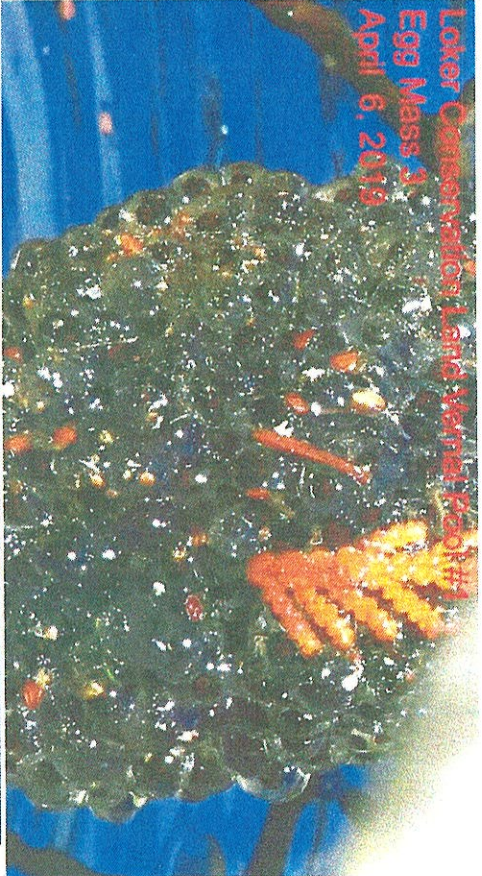
Lobster Conservation Land Kennel Pool Number 1
Spermatophores
Photo Taken Nov 4, 2019

Egg Masses/Mole Salamander

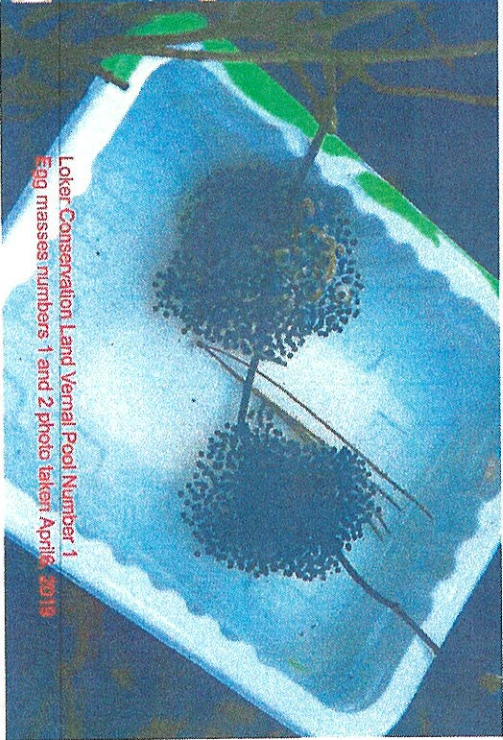


Laker Conservation Land Vernal Pool Number 1
Egg Mass Number 4 Taken April 6, 2019

Egg Masses/Wood Frogs



Loker Conservation Land Vernal Pool #20114
Egg Mass 3
April 6, 2019



Loker Conservation Land Vernal Pool Number 1
Egg Mass Number 5
Photo taken April 4, 2019

Loker Conservation Land Vernal Pool Number 1
Egg masses numbers 1 and 2 photo taken April 6, 2019

Facultative Species

Spring Peepers

Audio evidence will be played into the Record.