Wicked Awesome Puddles Vernal Pool Fundamentals

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Aerial Photo Survey of Potential Vernal Pools

pring 200



A Field Guide to the animals of Vernal Pools



Leo P. Kenney Matchew R. Burne Most Images courtesy of the Vernal Pool Association www.vernalpool.org



































Evaluating vernal pools typically means getting in the pool!

Equipment: •Boois •Net •Polarized glasses •Camera.









All the salamanders feed upon insects, which they devour in great numbers, and hence their utility cannot be questioned." - D.H. Storer, 1839





























Vernal Pool Association

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The very pools, now, soon after the ice has melted, so transparent and of glassy smootkiness and full of animal and vegetable life, are interesting and

beautiful objects.

— Henry D. Thoreau, 16 April, 1855

Protecting Vernal Pools: First Step Finding them all

- Certified Vernal Pools
- Potential Vernal Pools
- Site visits







Vernal Pool Certification

Obligate Species Method

Facultative Species Method

Document pool with water Document breeding evidence of obligate species

Document pool with water and dry (prove lack of fish) Document breeding evidence of at least two facultative species

Obligate Species Method

Courting adults

Egg masses

Larvae















Map of PVPs in Massachusetts *N~30,000*

K. And



Vernal pools may be protected even if they are not certified.

Commission's Discretionary Authority

10.53: General Provisions

 If the issuing authority determines that a resource area is significant to an interest *(ie, a functional value)* identified in [the Act] for which no presumption is stated ... the issuing authority shall impose such conditions as are necessary to contribute to the protection of such interests.



Hypothetical Project Proposal

- × 1

































ATTENTION THIS ROAD WILL BE CLOSED

FOR TWO NIGHTS IN MARCH OR APRIL FOR SALAMANDER AND FROG MIGRATION



Thank you

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