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June 14, 2016

Town of Mansfield
Inland Wetlands Agency
14 Park Place
Mansfield, CT 06226-2217

Re: WETLANDS ASSESSMENT-SUPPLEMENTAL: VERNAL POOL INVESTIGATION

Lodges at Storrs, Hunting Lodge Road, Mansfield, CT

REMA Job No.: 15-1860-MNS18

Dear Agency Members:

REMA ECOLOGICAL SERVICES, LLC (REMA) has continued to monitor the embedded the amphibian breeding habitat within Wetland A (i.e. vernal pool), particularly water depths (see attached photos). This was in part to respond to Item #8 in the May 12th, 2016, GEI application review memo. We have visited the vernal pool on four occasions between May 18th, and June 13th, 2016, and report the following:

- **May 18th**: Water depths average 5-6 inches; only about 40% of original pool remains inundated; several adult green frogs noted at pool
- **May 25th**: Water depths average 6-7 inches; many wood frog tadpoles observed in the deepest portion of the pool, in sunlight; no limbs observed emerging on tadpoles.
- **May 27th**: Same observations as above.
- **June 13th**: Water depths average 4-5 inches; neomorphs may have emerged, but none are observed in the perimeter of pool during brief walk through; green frogs still present.

Mansfield IWWC

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We note that some precipitation occurred during the aforementioned investigation period, but this was not measured in the field. It is estimated that 2.37 inches of precipitation were experienced at the subject property during the 27 day period (Bradley International Airport data).

Should you have any questions on the above, please contact us at our office.

Respectfully submitted,

REMA ECOLOGICAL SERVICES, LLC



Sigrun N. Gadwa, MS, PWS
Professional Wetland Scientist
Registered Soil Scientist



George T. Logan, MS, PWS, CE
Professional Wetland Scientist
Registered Soil Scientist, Certified Senior Ecologist

VIA E-MAIL & HAND-DELIVERY

Attachments: Photos 1 to 5



Photo 1: Wetland A (with embedded vernal pool habitat); on 5-25-16; southern section of VP where wood frog egg masses had been observed; facing southwesterly



Photo 2: Wetland A; vernal pool, near location of wood frog egg mass raft; northern section; 5-25-16; facing southwesterly

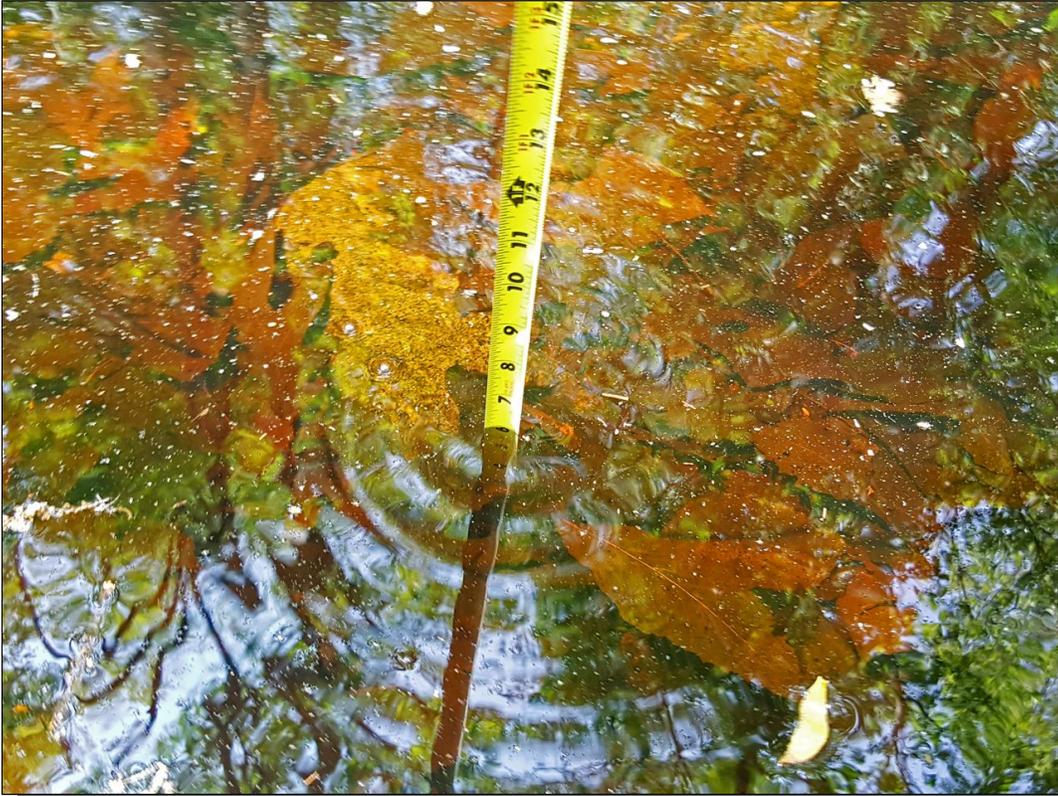


Photo 3: Wetland A (with embedded vernal pool habitat); on 5-25-16; average water depth is 6 to 7 inches; about 40% of original vernal pool holding water.



Photo 4: Wetland A; vernal pool, in a sunlight area with wood frog tadpoles; 5-25-16



Photo 5: On 6-13-16 vernal pool area is further reduced and water depths average 4-5 inches; facing northwesterly