

9. CPA SUMMARY PROJECT FORM

[CPC Use Only: Date Received _____ By: _____
Assigned CPC #2016 - _____]

This form may be copied. Please type or print clearly, answer all questions, use "N/A" if not applicable. Use additional paper as needed.

- 1. a.) Applicant Name: Last Luening First James
and Organization(s) (if appropriate) _____
- b.) Regional Project: Yes or No? No If Yes, Town/Organization: _____

2. Submission Date: 11/9/2016

3. Applicant Address: St 711 Martins Pond Rd.
City/ State: Groton MA ZIP: 01450

4. Ph. # 585-545-8344 Email: luening@verizon.net

5. CPA Purpose. Check all that apply:
Community Housing (Affordable Housing:) Historic Preservation: Open Space:
Recreation

6. Project Location/Address: Baddacook Pond, Groton MA 01450

7. Project Name: Baddacook Pond Environmental Restoration

8. Community Preservation Plan Objectives - use codes from **Section 5** to indicate all that apply:
53. Open space and recreation Resources OSRP 1.2 Maintain and improve water quality

9. Project basic description: _____

The Baddacook Pond Environmental Restoration project addresses environmental degradation in Baddacook Pond. Due to minimal maintenance, significant portions of the pond are being lost to the accumulation of bio-mass. Even larger areas are choked with non-native invasive weeds. Baddacook Pond is the largest concentraton of water for the Baddacook well Zone 2 recharge area which must be maintained, especially for drought conditions such as the one we are currently experiencing. These areas also create a danger to recreational swimmers and boaters.

The goal of the project would be two fold. 1) To restore portions of Baddacook Pond that have filled with biomass by using hydroraking. 2) To implement aggressive mechanical weed harvesting to reduce available plant starch which will help control invasive weed infestation.

This would be a three year program which would include an evaluation of the effectiveness each year.

9. Continued - Project basic description: _____

Three year plan

Year 1

Hydroraking (5 acres)	\$65,000 (with DPW disposal support)
Aggressive Weed Harvesting	\$66,000
Survey and Report	\$ 6,000
Subtotal...	\$137,000

Year 2

Hydroraking (5 acres)	\$65,000 (with DPW disposal support)
Weed Harvesting	\$30,500
Survey and Report	\$ 6,000
Subtotal...	\$101,500

Year 3

Hydroraking (5 acres)	\$65,000 (with DPW disposal support)
Weed Harvesting	\$30,500
Survey and Report	\$ 6,000
Subtotal...	\$101,500

Management reserve \$30,000 (for unforeseen costs)

Total Cost... \$370,000

Note: The is a initial budgetary estimate for preliminary evaluation only

10. Applicant Signature: James Luering Date: 11/9/2016

Co Applicant Signature: _____ Date: _____

Co Applicant Signature: _____ Date: _____