

DEVELOPMENT/RESTORATION FINAL REPORT

Sponsor Name: SPSSEG

RCO Project Number: 07-1822

Project Name: Big Cove Restoration

RCO Invoice Voucher Number: 8

Worksite Name: Big Cove

1. Reporting period: Contract Start: 12/13/2007 Project Completion: 12/31/2010

2. Provide a site plan identifying the development completed in this project [2 copies, no larger than 11" x 17" size or an electronic copy]. Please date the plans.

3. Provide a copy of long-term Stewardship Plan if applicable.

4. Did this project include elements as part of a mitigation plan? No ☒ Yes ☐ If yes, explain:

5. Type and number of facilities developed [be specific]:

Per the project plans and objectives, the earthen dam was removed. No "structures" or facilities were constructed, this was simply a removal project. Elevations were restored to near historical conditions (tidal) in the footprint of the removed dam. Riparian vegetation was installed on the new slope contours and around the tidal edge. Three log grade controls were placed in the stream to mediate large sediment deposition from upstream.

Sponsor Comments "Identify any changes from approved project scope":

The original scope called for 2 acres of estuary to be treated, with 1 acre of estuary to be created and 2 acres of invasive plant removal (these were all meant to be within the 2 acre area). The actual estuary restored was approximately 2,100 sq. ft. with an additional area of 1,000 sq. ft. of reed canary grass removed. Also, approximately 3,000 sq. ft. of riparian edge and upland slopes were planted with native shrubs. The discrepancy in scope can be attributed to the lack of funds available. This project never received the full amount needed, as it was lower in ranking during the year of award and thus received only the funds remaining behind higher ranked projects. The cost of working in perennially wet areas is very high and at the time of implementation the funds needed to remove fill in the estuary were simply not available. Therefore, the scope focused primarily on restoring estuary within the dam footprint. Further, the goal of creating 1 acre of estuary was erroneous because the proposed 2 acre restoration area would have included all former estuary area. However it should be noted that the area of immediate treatment only reflects the condition noticeable at this time. Additional estuary area is expected to become restored over time as sediment moves from the former impoundment and salt water pushes farther up the cove. This will take several years. Additional scope additions include: Three log grade controls were intentionally placed to slow sediment movement largely due to landowner concerns about large sediment loads on the adjacent shellfish beach; The placement of 15 rocks on the beach, parallel to the stream. The rocks were removed from the stream itself for use on the beach. This was a concession for the shellfish grower and was intended to add stability to the beach and prevent the stream from cutting towards the shellfish beds. This task was a necessary addition to get full permission from the beachfront landowner and was also agreed upon by the regulatory agencies.

I hereby certify that this project has been completed in accordance with the project agreement. Further, I certify the completed project is consistent with both the scope of the project as approved or (as amended) by the Recreation and Conservation Office

Sponsor Signature 

Telephone 360-412-0808 X104

Date 01/04/2011

Title: Project Manager