



CAPITAL CONSTRUCTION 10-YEAR PLANNING NARRATIVE

Fiscal Years 2016 – 2026

Please complete one form to accompany your capital budget request.

1. **Agency:** Natural Resources

Department: Fish & Wildlife

Capital Funded Program: Fish Culture Stations

2. **Mission:** Please briefly describe the program's mission. Include high priority initiatives or goals from the agency strategic plan.
Conserve and restore Vermont's fish, wildlife and plant species to maintain the ecological integrity for the benefit of the public. Provide a diversity of fish and wildlife harvest opportunities within ecological limits.
3. **Goals and priorities: Describe** the Agency/Department's long-term goals and priorities for the capital budget. Priorities should be developed and reviewed at several levels: 1) Departmental or functional priorities; 2) Fiscal priorities; and 3) Executive priorities.
- Meet the management request for cultured fish on an annual basis as specified by the specific fisheries management plan – provide enough fish of the specified species, age, size, etc. to appropriate waters in an adequate timeframe
 - Hatcheries serve as an outreach destination with three main objectives (approx.. 14,000 visitors annually)
 - Increase visitation
 - Provide a quality experience for visitors to each facility.
 - Disseminate information regarding F&W themes; specifically...
 - F&W protects your fish and wildlife resources
 - the purchase of hunting and fishing licenses directly supports fish and wildlife restoration and management in Vermont
 - Hatchery reared fish increase angling opportunities and restore fisheries.
 - Provide technical assistance to private, VT fish growers regarding essential fish health and hatchery management practices to prevent the spread and introduction of harmful fish pathogens into Vermont waters.
4. **Internal and External Factors:** Describe key initiatives or challenges facing the agency/department/program in the next 10 years that may impact your capital needs. Include: what are the changes? Why are they occurring? When?
- Funding – With the rising operational costs associated with fish hatcheries, the fish hatcheries are always looking to invest in new means of raising fish more cost efficiently. Although many of these changes are cost effective in the long run, a significant capital investment is required initially.
 - Operational changes – With increased scrutiny on point source wastewater discharges, the fish hatchery program must adapt to meet related wastewater discharge permit conditions. This will most likely result in capital requests for funding to meet wastewater discharge standards.
5. **Assessment and projection of need:** Describe Capital needs and projects ions based upon current and projected statistics on capital inventories and upon State demographic and economic conditions. (Due to factors described in 4 or for any other reason).

The 2011 United State Fish and Wildlife Service National Survey of Hunting, Fishing, and Wildlife Associated Recreation coupled with the 2010 Vermont Angler Survey estimate that approximately \$31.6M is generated to the State of Vermont from fish hatcheries. With an annual operating and capital budget of less than \$4M, the fish hatchery program show approximately a 7:1 return on investment to the State of Vermont. As a result, support of the fish hatchery capital bill request is valid and cost effective. For additional supporting justification / documentation regarding economics / demographics refer to the 2011 National Survey of Hunting, Fishing, and Wildlife-Associated Recreation and Vermont Angler Survey.

6. Assessing Budgetary Impact: Describe the financial burden and funding opportunities of programs and of individual projects.

The requested FY16 and FY17 capital budget for the fish culture program totals 997,500 for a two year period. According to the 2011 National Survey on Hunting, Fishing, and Wildlife-Associated Recreation coupled with the 2010 Vermont Angler Survey, the Vermont fish hatcheries are estimated to contribute approximately \$31.6M to the State annually. This proves capital investments in the fish hatchery program are significantly cost beneficial to the State of Vermont.



CAPITAL CONSTRUCTION 10 YEAR PROJECT PROPOSAL

Fiscal Years 2016 - 2026

Available online at: <http://www.bgs.vermont.gov/formsandpublications> "Capital Construction".
(One form must be completed for each Capital Project)

1. Program Title: Fishing Opportunities

2. Program Mission that the Capital Investment Supports:

Conserve and restore Vermont's fish, wildlife and plant species to maintain the ecological integrity for the benefit of the public.
Provide a diversity of fish and wildlife harvest opportunities within ecological limits.

3. Project Title: Salisbury Hatchery Modernization & Discharge Requirements

4. Project Location: Salisbury Fish Culture Station

5. Project Description:

The Salisbury Fish Culture Station is a broodstock hatchery producing over 1.5 million fish eggs for the other state hatcheries fish production. Its protected well water supply makes it unique for this function. The retired broodstock are used in Vermont's trophy trout stocking program. The hatchery is an older station and listed on the National Historic Register. As such, the hatchery infrastructure is outdated and the original construction is over 81 years of age. The fish rearing units are outdated and poorly designed for uniform flow distribution and fish waste collection/disposal. The fish rearing units have concrete spalling, cracks and structural problems causing leakage. The facility's collection and treatment of fish wastes is detrimental to the fish and not efficient. The Water Quality Standards administered by the Vermont Department of Environmental Conservation are placing the intermittent stream the hatchery discharges water to (a tributary of Halnon Brook) on Vermont impaired waters list (303d). This action will "require" the hatchery to upgrade its waste treatment process and options to address effluent treatment integral to hatchery modernization. A "Facility Modernization and Discharge Requirements Feasibility Study" has been conducted. If the hatchery design and reconstruction can begin in July 2017 it is anticipated construction will be completed in December 2019. Pending future analysis if the hatchery is outside of proposed effluent permit limitations after modernization, then an additional level of nutrient removal can be constructed (approximate cost of \$4.4M).

PRIORITIZING CAPITAL PROJECTS: Projects shall be prioritized on the following criteria: Priority 1: critical; Priority 2: Prior Capital Allocation or Commitments; Priority 3: Strategic Investments and Priority 4: future investments. (Definitions are provided in the attached capital budget priority criteria).

6(a). Agency Ranking: **6(b). Department Ranking:** **6(c). Project Priority: 1**

7. Project Priority: (Define the Project according to the "Priority Criteria")

Priority 1 – Current legal liability requiring capital improvements:

The Water Quality Standards administered by the Vermont Department of Environmental Conservation are placing the intermittent stream the hatchery discharges water to (a tributary of Halnon Brook) on Vermont impaired waters list (303d). This action will "require" the hatchery to upgrade its waste treatment process and options to address effluent treatment integral to hatchery modernization.

8(a). Total Project Cost \$12.15M 8(b). FY 2016 Capital Request \$0 8(c). FY 2017 Capital Request \$0

8(d). Cost to Complete after FY 2017 \$12,150,000 9. Prior Allocations: \$0

10. Proposed Capital	Amount FY 2016	Amount FY 2017	Amount FY 2018 *Design*	Amount FY 2019 *Construction*	Amount FY 2020 *Construction*	Amount FY 2021	Anticipated Funding Need for FY'22-FY'26
Cost Allocation:							
Capital Funds	\$0	\$0	\$1,500,000	\$7,520,000	\$3,130,000	\$0	\$0
General Funds							
Other Sources (i.e., state or federal)							
Total Funds	\$0	\$0	\$1,500,000	\$7,520,000	\$3,130,000	\$0	\$0

11. Operating Cost Allocations & Source of Funds
(Information provided will be coordinated with the Department of Finance and Management):

	FY 2016	Source	FY 2017	Source	FY 2018	Source	FY 2019	Source	FY 2020	Source	FY 2021	Source
Personal Services	\$326k	Other	\$330k	Other	\$333k	Other	\$336k	Other	\$340k	Other	\$343k	Other
Operating	\$158k	Other	\$159k	Other	\$161k	Other	\$162k	Other	\$164k	Other	\$291k	Other
Anticipate Fee for Space Cost	0											
New Positions Required	0											

12. Describe Other Sources and Amount of Available Funds for Operating:

Other Source - Combination of federal and state funds

13. Effect on Program/Project if not funded:

Salisbury FCS will not meet discharge permit requirements.

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