

Addison County Regional Planning Commission

14 Seminary Street Middlebury, VT 05753 • www.acrpc.org • Phone: 802.388.3141

Barabara Noyes-Pulling
Rutland Regional Planning Commission
67 Merchant Row
Rutland, VT 05753

Subject: Arnold Bay Boat Launch and Public Access - Stormwater Retention Design
South Lake Champlain Clean Water Service Provider

Dear Barbara,

As an agent of the Town of Panton, the Addison County Regional Planning Commission (ACRPC) is submitting this application for funding under the Clean Water Initiative Program (CWSP). ACRPC is pursuing funding for 30% preliminary design and 100% final design for the Arnold Bay Boat Launch Stormwater Mitigation Project. ACRPC is requesting \$18,224.00, eighteen thousand two hundred and forty four dollars, for this work. If awarded, these funds will be used to hire a qualified consultant to develop the preliminary alternatives and final design. ACRPC staff will administer the bid process and develop landscape plans for the subsequent design phases.

The Town of Panton owns the Arnold Bay Boat Launch site, 1.7 acres with 600 feet of shoreline, located at the end of Adams Ferry Road. This location plays an important role in the community and in the State's history. Named in honor of Benedict Arnold, the bay is the site of his wrecked fleet after the battle of Valcour Island. Currently, this area is the "de-facto town swimming and fishing area" (Panton Town Plan, 2019) and includes a boat launch, dock, picnic area and parking. The Panton-Vergennes Water District plant, located adjacent to the project site, supplies the drinking water, sourced from the bay, to residents of Panton and Vergennes.

In 2021, a VT Department of Housing and Community Development Municipal Planning Grant funded the development of a master plan for the Arnold Bay Boat Launch and Environs. This project produced design concepts for improving the site, such as the delineation of an improved traffic access and parking locations, a system of bioretention areas, rain gardens and site grading to mitigate steep slopes and erosion. The plan inventoried native and invasive species, making recommendations for re-vegetation of native, riparian species of trees, shrubs and vascular plants. ***Attachment #1: Arnold Bay Boat Launch Site Plan_9_30_2022***

Pursuing CWSP funding to develop a stormwater retention design is a logical next step for this project. A system of physical and natural improvements will not only reduce pollutants from entering Lake Champlain, but work toward enhancing the site as a whole, ecologically and functionally. ACRPC is excited to put forward this project for consideration. Please reach out if you have any questions.

Sincerely,

Katie Raycroft-Meyer, Community Planner

Arnold Bay Boat Launch and Public Access - Stormwater Retention Design

South Lake Champlain CWSP Project Application

Project description

The Panton Town Plan shared a 2016 town survey showing that 58 % of respondents support making improvements at the Arnold Bay site. The plan indicates the desire to improve the shoreline area at Arnold Bay, emphasizing the need to improve water quality and public access to the shoreline — while protecting the shoreline from “incompatible development.” Conflicting uses at the site have impacted the ecological health of the riparian zone and the lake water quality. Addressing these water quality issues will be the first toward restoring the site and a cleaner Lake Champlain.

Project Scope

1. ACRPC and the Consultant team will kick off the project by meeting with the Town of Panton and all stakeholders. The initial master plan concept will be reviewed and serve as a basis for further design. Existing topographic survey and site documentation and data will be reviewed. **Attachment #2**
2. Field mapping of existing soils, hydrology and plants will be completed to inform the design process. Invasive plant species extents will also be mapped.
3. Preliminary Plans 30%:
 - a. Consultant to provide existing conditions/demolition site plan.
 - b. Consultant to provide proposed conditions showing improvements.
 - i. Extends of paving, grading, drainage, erosion control measures, stormwater treatment.
 - c. Consultant to prepare construction details and notes.
 - d. Preliminary VDHP review
4. Permitting
 - a. We anticipate the need to apply for a Shoreland Permit. This is in our project budget.
 - b. No other permits are anticipated. All work will be above Ordinary High Water of Lake Champlain.
5. Final Plans and Specifications:
 - a. On approval of permits and layout from the Town, final plans and technical specifications suitable for construction will be prepared.
 - b. Cost estimate of probable construction cost will be prepared.
 - c. Final VDHP review

This scope of work meets the project milestones from CWIP Funding Policy for: Stormwater Projects; Preliminary and Final Engineering Design.

Phosphorus Reduction:

Addison	Bridport	Bristol	Cornwall	Ferrisburgh	Goshen	Leicester
Lincoln	Middlebury	Monkton	New Haven	Orwell	Panton	Ripton
Salisbury	Shoreham	Starksboro	Vergennes	Waltham	Weybridge	Whiting



The DEC STP calculator returned an estimated phosphorus reduction of 3.04 kg/year. We calculated the drainage area using the ANR Atlas' watershed delineation tool, with an estimation for impervious areas made using satellite imagery. This drainage area is primarily clay soil, however, there is no option for clay soil in the calculator, so we chose the least infiltrative option (HSG-C Sandy Clay Loam). Using the storage volume equation provided by DEC, design plan estimates for bioretention area, accepted averages for rain gardens in clay soil (.25 ft ponding and 1.5 ft soil depth), and a general void ratio of gravel (33%), we determined a storage volume of 800 cubic feet. **Attachment #3, Attachment #4**

This estimate relies on a fair number of assumptions. The calculation only determines the P reduction of proposed bioretention areas indicated on the preliminary plan (attachment #2) and does not include any other possible stormwater management practices such as regrading and the retention wall across the site. Consideration of these other practices will imply a higher phosphorus reduction than what the initial calculation has determined.

Co benefits

There are many potential Co benefits of a successful CWIP for the Arnold Bay Boat Launch. This Stormwater Improvement Project allows for a unique opportunity for a re-envisioned natural area, highlighting recreation, the interconnectivity of humans and the environment, cultural and educational opportunities and clean water. It is one of the few public places to access Lake Champlain in Addison County and the deepest boat launch in the region. Below is a list of perceived Co-benefits of the project.

1. Climate Resilience
 - a. Carbon sequestration: revegetation of native plants, creation of rain gardens
 - b. Protects public lands: public access to Lake Champlain
2. Ecosystem Improvement
 - a. Habitat improvements: riparian habitat, remove invasives from native ecosystems, increase species diversity.
 - b. Promotes biodiversity.
3. Ecosystem Improvement
 - a. Reduces runoff and erosion to local water bodies.
4. Environmental Justice and Local Support
 - a. Community benefit- access to the lake and protection of local drinking water.
5. Recreation and Community involvement
 - a. Increases outdoor recreation opportunities, good public access, community engagement opportunities, aesthetics and green space.
6. Community and Partner Support
 - a. Community involvement in planning.

***Cost Benefit Equation (TBD)**

Addison	Bridport	Bristol	Cornwall	Ferrisburgh	Goshen	Leicester
Lincoln	Middlebury	Monkton	New Haven	Orwell	Panton	Ripton
Salisbury	Shoreham	Starksboro	Vergennes	Waltham	Weybridge	Whiting



Town of Panton
Arnold Bay Improvements

Gray cells auto-calculate, do not edit. Enter white cells only.

SUB-GRANT ADMINISTRATION AND PROJECT MANAGEMENT EXPENSES						
Consultant (TBD)	Tasks/Responsibilities	Hours	Hourly Rate (incl Fringe)	Total Salary Expense	Match*	Amount requested
Staff	Project Mgmt. design review and	15	\$150.00	\$2,250.00	Do not write in this space.	
Staff	Resouce review, planing, permitting	40	\$95.00	\$3,800.00		
Staff	Site design and permitting	35	\$90.00	\$3,150.00		
Staff	survey, plan production	40	\$85.00	\$3,400.00		
Personnel Subtotal				\$12,600.00		
Indirect Costs		Indirect Rate	Cost related to Indirect rate	Total Indirect cost	Match*	Amount Requested
		18%	\$12,600.00	\$2,268.00	Do not write in this space	
Indirect Subtotal				\$2,268.00		
Anticipated Travel	Purpose	Miles	Mileage Rate	Total Travel Expense	Match*	Amount Requested
site visits (3)	initial, interim check, final review	141	\$0.63	\$88.13	Do not write in this space.	
Client meeting (2)	coord. mtg. w/town	94	\$0.63	\$58.75		
Travel Subtotal				\$146.88		
NA						
Supplies/Other	Description/Use	# of Units	Unit Cost	Total Supplies Expense	Match*	Amount Requested
standard copies	reports and permit materials	100	\$0.10	\$10.00	Do not write in this space.	
Full size plan copies (24 x 36)	plan production	0	\$3.00	\$0.00		
		0	\$0.00	\$0.00		
Supplies & Other Subtotal				\$10.00		
TOTAL GRANTEE ADMINISTRATION AND PROJECT MANAGEMENT EXPENSES				\$15,024.88		\$15,024.88
					* Enter match amount for Total Grantee Expenses in F26 above. Must be 50% for MS4 projects.	
ACRPC Administration	Tasks/ Responsibilities	Hours	Hourly Rate (incl Fringe)	Total Salary Expense	Match*	Amount Requested
		40	\$80.00	\$3,200.00	Do not write in this space.	
		0	\$0.00	\$0.00		
		0	\$0.00	\$0.00		
Contractual Subtotal				\$3,200.00		
Equipment Rental	Description/Use	# of Units	Unit Cost	Total Contract. Expense	Match*	Amount Requested
		0	\$0.00	\$0.00	Do not write in this space.	
		0	\$0.00	\$0.00		
Rental Subtotal				\$0.00		
Supplies/Other	Description/Use	# of Units	Unit Cost	Total Supplies Expense	Match*	Amount Requested
		0	\$0.00	\$0.00	Do not write in this space.	
		0	\$0.00	\$0.00		
		0	\$0.00	\$0.00		
		0	\$0.00	\$0.00		
Supplies & Other Subtotal				\$0.00		
TOTAL PROJECT IMPLEMENTATION				\$3,200.00		\$3,200.00
					* Enter match amount for Total Project Implementation in F47 above. Must be 50% for MS4 projects.	
Project Total				\$18,224.88	\$0.00	\$18,224.88
Notes:						

- | | | | | | | |
|-----------|------------|------------|-----------|-------------|-----------|-----------|
| Addison | Bridport | Bristol | Cornwall | Ferrisburgh | Goshen | Leicester |
| Lincoln | Middlebury | Monkton | New Haven | Orwell | Panton | Ripton |
| Salisbury | Shoreham | Starksboro | Vergennes | Waltham | Weybridge | Whiting |



Screening Form

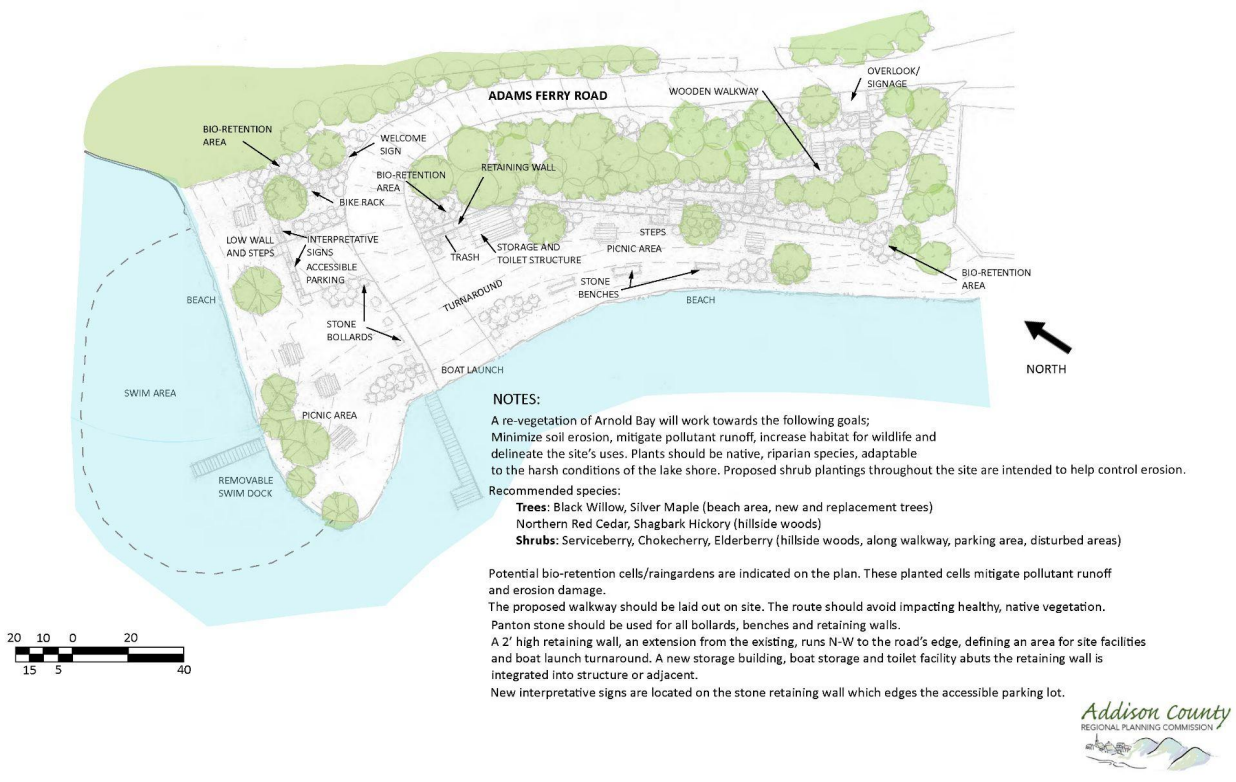
ACRPC has submitted a screening form to the DEC for this project and is waiting for approval.
See attached form. **Attached #6**

Supporting Documentation

1. *Arnold Bay Boat Launch Site Plan_9_30_2022*
2. *Preliminary Plan and Survey*
3. *Phosphorus reduction calculations*
4. *ANR Drainage Area for P calculation*
5. *CWSP Budget estimate*
6. *CWIP Eligibility Screening Form*
7. *Letter of Support*

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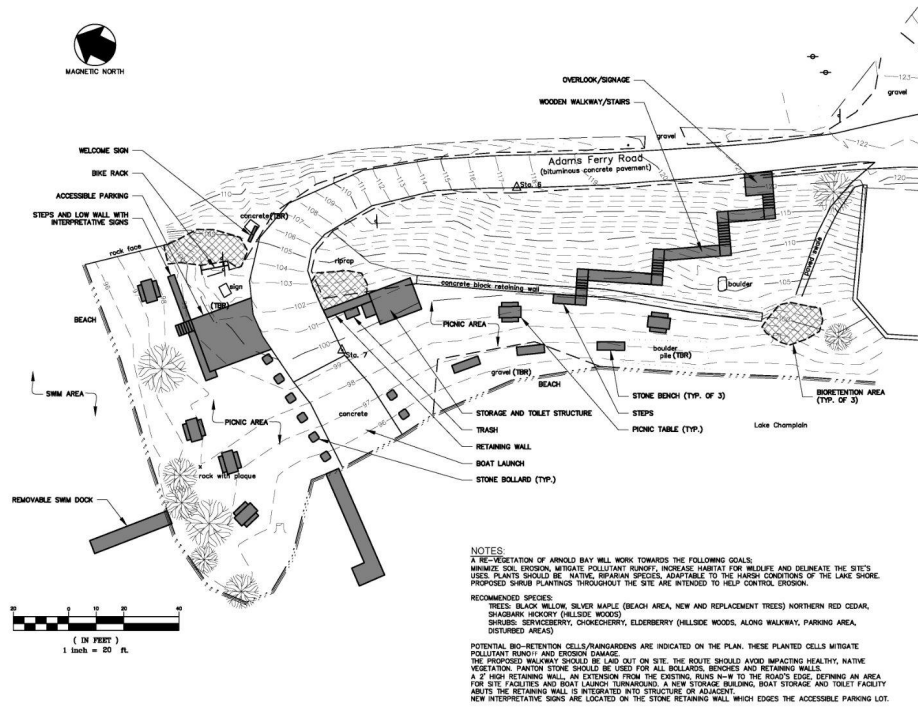
ARNOLD BAY BOAT LAUNCH MASTER PLAN ■ PANTON, VERMONT

A 2021 VT Department of Housing and Community Development Municipal Planning Grant 9-30-2022

Attachment #1

- | | | | | | | |
|-----------|------------|------------|-----------|-------------|-----------|-----------|
| Addison | Bridport | Bristol | Cornwall | Ferrisburgh | Goshen | Leicester |
| Lincoln | Middlebury | Monkton | New Haven | Orwell | Panton | Ripton |
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ARNOLD BAY BOAT LAUNCH MASTER PLAN - PANTON, VERMONT

Attachment #2

Addison	Bridport	Bristol	Cornwall	Ferrisburgh	Goshen	Leicester
Lincoln	Middlebury	Monkton	New Haven	Orwell	Panton	Ripton
Salisbury	Shoreham	Starksboro	Vergennes	Waltham	Weybridge	Whiting



Stormwater Treatment Practice Calculator

Identification

Date	7/14/2023
WPD ID	
STP Name	

Loading Information

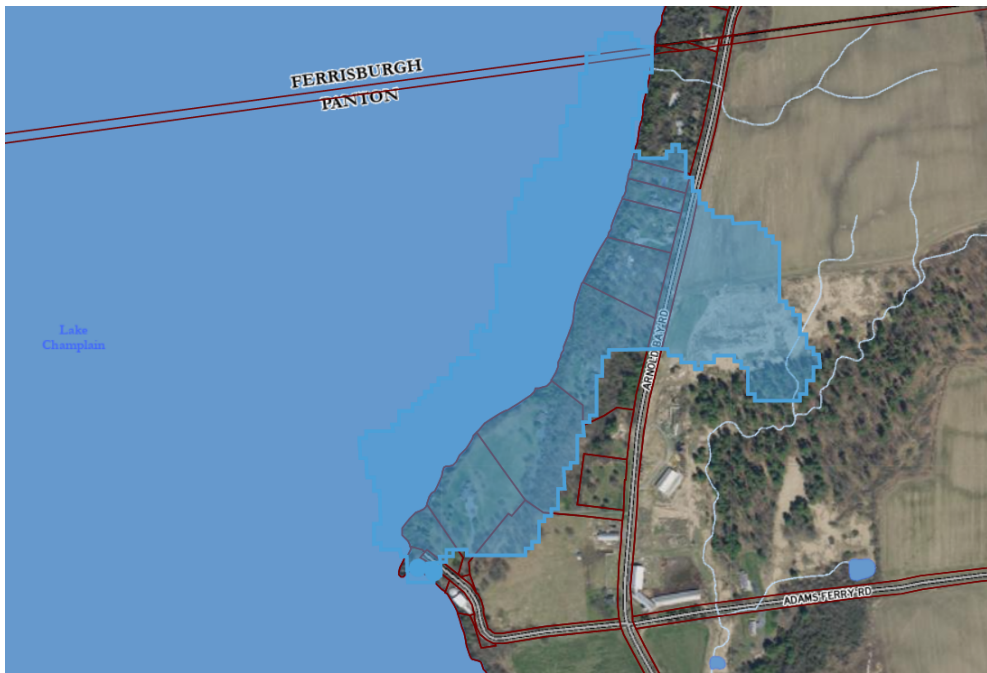
Drainage Area	3 - Port Henry Direct Drainage	
Impervious Area	3	acres
Pervious Area	19.75	acres

STP Information

STP Type	Rain Garden Bioretention (no underdrains)	
Storage Volume	800	ft ³
Infiltration Rate	0.17 (Sandy Clay Loam, HSG - C) in/hr	
Filter Course Depth		in

Estimated Phosphorus Reduction

Load	13.66	kg/year
STP Capacity	0.06	in
Efficiency	22.29	%
Reduction	3.04	kg/year



Attachment #4

- | | | | | | | |
|-----------|------------|------------|-----------|-------------|-----------|-----------|
| Addison | Bridport | Bristol | Cornwall | Ferrisburgh | Goshen | Leicester |
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Town of Panton Chartered 1761

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TOWN OF PANTON LETTER OF SUPPORT

Physical and natural improvements to the Arnold Bay Boat Launch area are a high priority for the Town of Panton. It sits on the shore of Lake Champlain and routinely experiences excess stormwater runoff from the site's steep grade, particularly the paved road (Adams Ferry Road) that leads to the boat launch and the lake. The bay also supplies the town's water district plant with drinking water to town residents.

A thorough hydrologic analysis is needed to reduce the loading of phosphorus into the lake at the 1.7 acre and 600-foot shoreline site. It is our hope that such an analysis would look at the site's topography, existing uses, and phosphorus reduction potential and result in suggested nature-based solutions and stormwater retention methods to reduce soil erosion and reduce pollutants from getting into Arnold Bay.

A recent VT Department of Housing and Community Development Municipal Planning Grant in 2022 done for the town resulted in some initial concepts for improving the boat launch site that included bio-retention areas and rain gardens, a more delineated new traffic flow and parking system, and re-vegetation of native, riparian species of trees and shrubs.

The Town of Panton would now like to expand on that initial study with a hydrologic analysis and a 30% preliminary design that examines alternative concepts. The Town of Panton also supports 100% design once a concept is chosen. We are requesting South Lake Champlain Clean Water Service Provider funds for this important water quality work.

Thank you for considering this project.

Sincerely,

A handwritten signature in black ink, appearing to read "Howard Hall".

Howard Hall, Selectboard Chair



Addison County
Regional Planning Commission

Lincoln Middlebury Monkton New Haven Orwell Panton Ripton
Salisbury Shoreham Starksboro Vergennes Waltham Weybridge Whiting

APPENDIX A. CLEAN WATER INITIATIVE PROGRAM - PROJECT ELIGIBILITY SCREENING FORM

This fillable PDF form is designed to assist with project review by systematically walking through all eligibility criteria. It should be completed for all projects seeking funding for 30% + design or implementation work. It may be applied to projects seeking funding for assessment or development if helpful for determining their alignment with eligibility criteria 2, 3, 6, and 8.

Step 1: Conduct Eligibility Criteria #1 Screening: Project Purpose

Table 1A: Project Purpose	
From the drop-down list to the right, please select which of the four objectives of Vermont's Surface Water Management Strategy this project addresses. If multiple, please list below:	

a final design will have a different WPD-ID from a preliminary design even if for the same project). If the project, or the specific phase, is not yet in the Watershed Project Database, follow directions provided in the CWIP Funding Policy to secure a WPD-ID. Please see [CWIP Funding Policy](#) for more information on the WPD-ID.

Table 3A. WPD-ID	
Watershed Project Database ID number assigned	
Watershed Project Database Project Name	

Step 4: Conduct Eligibility Criteria #4 Screening: Natural Resource Impacts³

Agency of Natural Resources (ANR) permit screening for natural resource impacts includes 1) an initial desktop review to identify which ANR permitting programs should be contacted, 2) a review by the relevant ANR permitting staff, and 3) a response summary from the project proponent addressing any permitting staff concerns. ⁴

- 1) **Table 4. Natural Resource Impacts** facilitates a high-level desktop review of the most likely ANR permits to apply to clean water projects. Project proponents should answer all the questions to identify likely permit needs. ⁵ Please note that “project site” may include both the active restoration location as well as any additional impact footprint related to staging, site access, or storage of waste or disposed materials.
- 2) If responses to the **Table 4. Natural Resource Impacts** desktop review trigger a permitting staff consultation, **Table 4** provides appropriate contact information.
 - a. Proponents should send the identified permitting staff the following:
 - i. The watersheds project database identification number (WPD-ID) (if available),
 - ii. Project location (GPS coordinates)
 - iii. Summary of proposed scope of work, and
 - iv. Any other relevant information they request that will be utilized in their review.
 - b. **Proponents should clarify they are seeking permitting staff input on potential permitting needs, permit-ability of proposed scope of work, and other design considerations but they are NOT seeking a formal permit determination.**
 - c. Project proponents must attempt to communicate with the permitting staff and provide them with at least thirty days to review the project and provide a

³ Easements and Riparian Buffer Plantings are excluded from this eligibility requirement/step.

⁴ In cases where this screening may have already occurred in a prior project phase, project proponents may supply attachments or links to relevant permit needs assessment documents in place of completing Table 4.

⁵ Entities selected for funding are expected to perform due diligence to ensure all applicable permits (including non-ANR state, local, and federal permits) are discovered and secured prior to implementation. The [ANR Permit Navigator](#) and an Environmental Compliance Division Community Assistance Specialist can help confirm ANR permitting needs for any projects once selected for funding.

response. Project proponents are encouraged to perform this screening during a project development phase as opposed to during a project solicitation round to allow for more time for feedback. Permitting feedback may be up to one year old.

- 3) Proponents should summarize permitting staff feedback and how the proposed scope of work will address this at the bottom of **Table 4**. Specifically, please include:
 - a. Which permits or permit amendment are needed or might be needed?⁶
 - b. What type might be needed? (e.g., a general or individual permit⁷)?
 - c. What concerns were voiced by permitting staff?
 - d. How will the proposed scope of work address these concerns?⁸

Table 4A: Natural Resource Impacts		
I. Act 250 Permits		
1. Have any Act 250 (Vermont’s Land Use and Development Control Law) Permits been issued in the project site’s parcel location?⁹	Yes	No
If yes , please provide the permit number and list any water resource issues or natural resource issues found ¹⁰ :		
PermitNumber: _____		
ResourceIssues: _____		
If yes , use the Water Quality Project Screening Tool to identify the appropriate regulatory contact for an Act 250 consultation.		
Regulatory Point of Contact Name/Position: _____		
II. Lake and Shoreland		
1. Is the project site located within 250 feet of the mean water	Yes	No

⁶ Occasionally permit staff may indicate they need a field visit or to see more completed designs prior to making a permit need determination.

⁷ Design phase projects that require an individual wetlands permit must have the permit in hand at the close of the final design phase. Implementation phase projects must have the individual permit in hand to be eligible for funding.

⁸ Examples could include planned design changes or inviting permitting staff to stakeholder meetings.

⁹ An Act 250 Permit is required for certain categories of development, such as subdivisions of 10 lots or more, commercial projects on more than one acre or ten acres (depending on whether the town has permanent zoning and subdivision regulations), and any development above the elevation of 2,500 feet. The [ANR Atlas Clean Water Initiative Program Grant Screening tool](#) can help answer this yes/no question. Follow the instructions on the link above to identify whether your project is located on an Act 250 parcel. Note that the layer to activate in ANR Atlas is now named “Clean Water Initiative Program Grant Screening.”

¹⁰Note that Act 250 permit amendments may require more extensive review of project impacts to natural resources including wildlife habitat, significant natural communities, and riparian zones. Please consult with the Act 250 District Coordinator regarding the nature and scope of that review and what bearing it may have on your project design.

level (shoreline) of a lake or pond? ¹¹		
<p>If yes, you might need either a Shoreland Protection Act Permit or a Lake Encroachment Permit. Use the Water Quality Project Screening Tool to find the Lakes and Ponds Program contact for your project's region.</p> <p>Regulatory Point of Contact Name/Position:</p>		
III. Rivers, River Corridors, and Flood Hazard Areas		
<p>1. Is there any portion of the project site located within 100' of a river corridor and/or mapped Federal Emergency Management Agency (FEMA) flood hazard area¹²? (e.g. a stormwater pond's pipe draining into a river corridor area)? Any permanent excavation/filling or construction within a flood hazard area or river corridor may trigger regulatory requirements through municipal bylaws or through state authorities.</p>	Yes	No
<p>If yes, you will need to speak with a Floodplain Manager. Use the Water Quality Project Screening Tool to find the Floodplain Manager for your project's region.</p> <p>Regulatory Point of Contact Name/Position:</p>		
<p>2. Is any portion of the project site within a perennial river or stream channel?</p> <p>¹³</p>	Yes	No
<p>If yes, you will need to speak with a Stream Alteration Engineer. Use the Water Quality Project Screening Tool to find the Stream Alteration Engineer for your project's region.</p> <p>Regulatory Point of Contact Name/Position:</p>		
IV. Wetland		

¹¹ The [ANR Atlas Clean Water Initiative Program Grant Screening tool](#) can help answer this yes/no question. Follow the instructions on the link above to identify whether your project is located in the jurisdictional zone to trigger a Lakeshore permit. Note that the layer to activate in ANR Atlas is now named "Clean Water Initiative Program Grant Screening."

¹² FEMA mapped Flood Hazard Areas are not available statewide on the ANR Natural Resources Atlas. For projects located in Grand Isle, Franklin, Lamoille, Addison, Essex, Orleans, Caledonia, and Orange Counties, maps are available via the FEMA Flood Map Service Center: <https://msc.fema.gov/portal/home>. ANR Floodplain Managers are available to provide technical assistance if needed.

¹³ Stream Alteration Permits regulate all activities that take place within perennial river and stream channels. Examples of regulated activities include streambank stabilization, dam removal, road improvements that encroach on streams, and bridge/culvert construction or repair. The [ANR Atlas Clean Water Initiative Program Grant Screening tool](#) can help answer this yes/no question. Follow the instructions on the link above to identify whether your project is located in the jurisdictional zone to trigger a Stream Alteration permit. Note that the layer to activate in ANR Atlas is now named "Clean Water Initiative Program Grant Screening."

<p>1. Does the Wetland Screening Tool¹⁴ provide a result of wetlands likely, very likely, or present at the project site?</p>	<p style="text-align: center;">Yes No</p>
<p>2. Does your project site involve land that is in or near an area that has <u>any</u> of the following characteristics:</p> <ul style="list-style-type: none"> o Water is present – ponds, streams, springs, seeps, water filled depressions, soggy ground under foot, trees with shallow roots or water marks? o Wetland plants, such as cattails, ferns, sphagnum moss, willows, red maple, trees with roots growing along the ground surface, swollen trunk bases, or flat root bases when tipped over? o Wetland Soils – soil is dark over gray, gray/blue/green? Is there presence of rusty/red/dark streaks? Soil smells like rotten eggs, feels greasy, mushy or wet? Water fills holes within a few minutes of digging? (See Landowners Guide to Wetlands for additional information on identifying wetlands onsite.) 	<p style="text-align: center;">Yes</p> <p style="text-align: center;">No</p> <p style="text-align: center;">Not Sure</p>
<p>If you answered yes or not sure to <u>either</u> of the above questions, you will need to contact your District Wetlands Ecologist using the Wetland Inquiry Form. The District Wetlands Ecologist can help determine the approximate locations of wetlands and whether you need to hire a Wetland Consultant to conduct a wetland delineation. Alternatively, if you answered yes or not sure to <u>either</u> of the above questions, you can simply budget for a Wetland Consultant in the proposed scope of work. Any activity within a Class I or II wetland or wetland buffer zone (minimum of 100 feet and 50 feet respectively) which is not exempt or considered an “allowed use” under the Vermont Wetland Rules requires a permit. All permits must go through review and public notice process, which takes at minimum 6 weeks for a General Permit and 5 months for an Individual Permit.</p> <p>Regulatory Point of Contact Name/Position:</p>	
<p>1. Is your project a Wetland Restoration project type?</p>	<p style="text-align: center;">Yes No</p>
<p>If you answered yes, under the Vermont Wetland Rules you will need an “allowed use” determination from the DEC Wetlands Program. Contact your District Wetlands Ecologist using the Wetland Inquiry Form.</p> <p>Regulatory Point of Contact Name/Position:</p>	
<p>V. Fish and Wildlife</p>	
<p>State law protects endangered and threatened species. No person may take or possess such species without a Threatened & Endangered Species Takings permit.</p> <p>1. Does your project involve cutting down trees larger than 5 inches in diameter in any of the following towns? Addison, Arlington, Benson, Brandon, Bridport, Bristol, Charlotte, Cornwall, Danby, Dorset, Fair Haven, Ferrisburgh, Hinesburg, Manchester, Middlebury, Monkton, New Haven, Orwell, Panton, Pawlet, Pittsford, Rupert, Salisbury, Sandgate, Shoreham, Starksboro, St. George, Sudbury, Sunderland, Vergennes, Waltham, West Haven, Weybridge, Whiting</p>	<p style="text-align: center;">Yes No</p>

¹⁴ To view the Wetland Screening Tool introduction video, see <https://youtu.be/6lv5en0AB1o>

2. Is the project site within 1 mile of a mapped¹⁵ Significant Natural Community or Rare, Threatened, or Endangered Species?	Yes	No
<p>If yes to either of the above questions, connect with the VT Fish and Wildlife department (everett.marshall@vermont.gov 802-371-7333) to discuss your project and any necessary permitting.</p> <p>Regulatory Point of Contact Name/Position:</p>		
VI. Stormwater		
1. Will the project disturb more than an acre of land during construction, add or redevelop impervious surface, create new development or otherwise require a Stormwater permit?	Yes	No
<p>If yes, forward to the appropriate Stormwater specialist to ensure necessary permitting. Use the Water Quality Project Screening Tool to find the Stormwater specialist for your project's region.</p> <p>Regulatory Point of Contact Name/Position:</p>		
VII. Solid Waste		
2. Will you be creating any debris (including construction and demolition waste, stumps, brush, untreated wood, concrete, masonry, and mortar) with your project that you intend to bury on site? ¹⁶	Yes	No
<p>If yes, connect with the Waste Management & Prevention Division (dennis.fekert@vermont.gov 802-522-0195) to discuss your project and any necessary permitting.</p> <p>Regulatory Point of Contact Name/Position:</p>		
<p>Provide below or attach a narrative summary of Table 4 findings. Please include:</p> <ol style="list-style-type: none"> Which permits or permit amendment are needed or might be needed? What type might be needed? (e.g. a general or individual permit)? What concerns were voiced by permitting staff? How will the proposed scope of work address these concerns? 		
Is the project, as proposed, reasonably considered permit-able by all applicable	Yes	No

¹⁵ Find both of these layers on the ANR Atlas under Atlas Layers/Fish and Wildlife. Use the Measurement tool to 1) Plot Coordinates for your project 2) select the coordinates from the left panel 3) select the Radius Tool 4) click on your project location 5) Indicate 1 mile distance 6) look for overlap with either of these mapped layers.

¹⁶ If your project will result in the transfer and disposal of debris (including construction and demolition waste, stumps, brush, untreated wood, concrete, masonry and mortar), you do not need a permit from this office as long as you hire a [licensed solid waste hauler](#) and bring the material to a certified facility.

<p>determine if it is a jurisdictional farm operation, and any case that requires consultation with AAFM will occur via the farm determination process. Please note this form must be submitted by the farm operation/landowner seeking the determination.</p>	<p>No¹⁸ - There is no additional requirements related to agricultural review for these projects.</p>
<p>2. Is the proposed project an agricultural project?</p> <p>Examples of agricultural projects include but are not limited to Production Area Practices – (e.g. Waste Storage Facilities, Heavy Use Area, Diversion) Fence, Livestock Exclusion, Filter Strip, Cover Crop, Reduced Tillage, Manure Injection, Rotational Grazing. Please note this is not an exhaustive list of all agricultural practices.</p>	<p>Yes - Agricultural Projects on jurisdictional farms are not an eligible project type. You can provide a referral to an applicable state or federal agricultural assistance program, or a local organization.</p> <p>No- The natural resource, innovative, or other project type will require an agricultural project review and approval from the Vermont Agency of Agriculture, Food and Markets (VAAFAM) to ensure a consistent approach on farms statewide that follows rules, regulations, and laws in place. Please follow Steps 1 & 2 below.</p> <p>Step 1- Please submit a detailed description of the project, project site, project details, landowner, farm operation, and any other relevant information to VAAFAM at AGR.WaterQuality@Vermont.gov .</p> <p>Step 2- Once you complete this Agricultural Project Review, please allow 30 days for a response. Once that response has been received, please include a summary of the response in the next section.</p>
<p>Agricultural Project Review Status & Summary:</p>	
<p>Check as Applicable</p>	<p>Status</p>
	<p>Submitted/ Pending</p>
	<p>Approved</p>
	<p>Denied</p>

¹⁸ Note CWIP’s Agricultural Pollution Prevention project type eligibility is limited to land where owner or operator is not a jurisdictional farm (i.e., not required to meet the Required Agricultural Practices (RAPs)). As such, projects that meet the definition of the Agricultural Pollution Prevention project type in the [Appendix B. Project Types Table](#) are not subject to review by VAAFAM.

Please include a summary of the response here:

Please note that it is expected that all projects with the status “submitted/pending” will be “approved” prior to a project approval for funding.



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TOWN OF PANTON LETTER OF SUPPORT

Physical and natural improvements to the Arnold Bay Boat Launch area are a high priority for the Town of Panton. It sits on the shore of Lake Champlain and routinely experiences excess stormwater runoff from the site's steep grade, particularly the paved road (Adams Ferry Road) that leads to the boat launch and the lake. The bay also supplies the town's water district plant with drinking water to town residents.

A thorough hydrologic analysis is needed to reduce the loading of phosphorus into the lake at the 1.7 acre and 600-foot shoreline site. It is our hope that such an analysis would look at the site's topography, existing uses, and phosphorus reduction potential and result in suggested nature-based solutions and stormwater retention methods to reduce soil erosion and reduce pollutants from getting into Arnold Bay.

A recent VT Department of Housing and Community Development Municipal Planning Grant in 2022 done for the town resulted in some initial concepts for improving the boat launch site that included bio-retention areas and rain gardens, a more delineated new traffic flow and parking system, and re-vegetation of native, riparian species of trees and shrubs.

The Town of Panton would now like to expand on that initial study with a hydrologic analysis and a 30% preliminary design that examines alternative concepts. The Town of Panton also supports 100% design once a concept is chosen. We are requesting South Lake Champlain Clean Water Service Provider funds for this important water quality work.

Thank you for considering this project.

Sincerely,

A handwritten signature in blue ink, appearing to read "Howard Hall".

Howard Hall, Selectboard Chair