

# Shoreland Protection Permit Application Addendum

## Shoreland Stabilization Measures

Under Chapter 49A of Title 10, § 1441 et seq.



This Shoreland Stabilization Measures Addendum must be submitted with a completed [Shoreland Permit Application](#) when a proposed project includes shoreland stabilization measures designed to repair or prevent erosion or flood risks that would otherwise not meet the Shoreland Protection Act setback standards for the creation of new impervious surface or cleared area (contact your [regional permit analyst](#) for questions on whether an application may require this form). For the Shoreland Permit Application to be deemed administratively complete, all information required on this form must be provided.

### Shoreland Stabilization Measures – Project Description

1. Describe the current conditions of the shoreline where the shoreland stabilization measures are proposed, including the presence of existing shoreland stabilization measures (e.g., riprap, concrete wall), any structures adjacent to the proposed stabilization area, the slope of the project area, and the amount of vegetative cover (e.g., trees, shrubs, groundcover, duff) and/or grass lawn within the project area.

2. Describe and provide documentation (e.g., photos and narrative description) of the erosion that is occurring along the shoreline. To identify the potential causes of erosion affecting the proposed project location, see pages 4-6 in [The Shoreline Stabilization Handbook for Lake Champlain and Other Inland Lakes](#). Causes may include human activities (e.g., removal of shoreline vegetation, stormwater runoff, shoreline development), aquatic forces (e.g., wave action, ice push), and/or terrestrial forces.

3. Describe the proposed shoreland stabilization measures. Include the dimensions and volumes of materials required to complete the proposed project, the distance the proposed project is to the mean water level, and the total proposed new impervious surface and/or cleared area (this should include any new impervious surface or cleared area that is required for construction access). In a separate attachment, include a site plan with an overhead view and profile view of the proposed measures.

4. Describe what feasible alternatives to the proposed shoreland stabilization measures have been considered (see the Lakes and Ponds Program's [webpage on Shoreline Stabilization](#) and pages 13-17 in [The Shoreline Stabilization Handbook for Lake Champlain and Other Inland Lakes](#)).

5. Describe how the proposed shoreland stabilization measures have been minimized to the extent feasible while still achieving the purpose of repairing or preventing erosion or flood risks.

6. What best management practices are incorporated in the project design that addresses causes of erosion as well as measures that protect water quality, aquatic biota, and habitat for wildlife and aquatic life (e.g., establish shoreline vegetation, sediment control activities during construction, maintenance procedures, management of upland stormwater runoff through the establishment of vegetation and/or other infiltration practices, and other practices to prevent or reduce the impacts of the shoreland stabilization measures on the shoreline). Depending on the specifics of the proposed shoreland stabilization measures, best management practices may be required.