

TO: **Daniel Courtemanch**, Project Manager
Dept. of Environmental Protection (DEP)
Bureau of Land and Water Quality Control

FROM: Department of Marine Resources (DMR)

SUBJECT: REQUEST FOR PROJECT REVIEW

PROJECT: DEP Application #: L-25317-4D-A-N
Applicant: Michael & Kathleen Kerr
Location: Islesboro (Northeast End)
Type of Project: Rip-rap Stream Bank Stabilization

The above proposed project has been carefully reviewed and considered by DMR personnel. The following are DMR's comments:

DMR understands that the applicant is proposing to install rip-rap stone along 90 ft. of tidal stream bank to a height of ~ 6 ft. at a 1½:1 slope. Approximately 461 sq. ft. of intertidal below Highest Annual Tide (HAT) would be covered. The streambed along the toe of slope would be excavated prior to placement of rip-rap stones.

The proposed project site is along the bank of an approximately 6 ft. wide tidal stream that opens to East Penobscot Bay. The upland is wooded with a house ~ 125 ft. from the stream. The supratidal is a 4 to 5 ft. high sandy/clay soil bank that is undergoing erosion with some tree root systems being undercut. Near the center of the proposed project area is an exposed 6 inch diameter corrugated PVC foundation drain pipe. The streambed appears to be sandy/clay.

DMR recommends that work below HAT be done "in the dry" while the tide is out in sections as necessary, and that rip-rap stone set into the horizontal streambed not be allowed to stick up above the natural streambed which could alter or impede water flow. The area of rip-rap should be the minimum necessary to achieve the project's goal.

Brian M. Swan
DMR Environmental Coordinator
Date: June 13, 2011