

OPERATION AND MAINTENANCE PLAN
Stream Habitat Improvement and Management (395)
Maine

At a minimum operation and maintenance lifespan of this NRCS practice is 5 years. The life of this installation can be assured and usually increased by following a routine operation and maintenance program.

The operation and maintenance plan for this practice will require periodic inspection, monitoring and maintenance to provide satisfactory performance.

Required:

- Materials used in streambank stabilization, stream barbs weirs, j-hooks, boulder clusters, large wood additions, or other engineered structures will be replaced and structures repaired to their original design to ensure proper functioning.
- Soil bioengineering measures, embankments and earthen structures (e.g., low embankment earthen berms, ditch plugs, etc.) should be assessed during drought and immediately after high flows. Inspection of embankments, channel measures and structures should be conducted at least annually during low-water conditions. Early failure of soil bioengineered structures may occur if:
 - Desired plant cover is not well established, well-rooted, and vigorous growth maintained. Repair and re-plant as needed.
 - Undesirable cover (e.g., woody vegetation on embankments) may compromise the integrity and soundness of an earthen structure. Control undesirable vegetation and maintain desired vegetative cover.
 - Undesired animal burrowing may compromise the integrity and soundness of the earthen structure. Initiate lawful animal control measures and repair damage.
 - The elevations of earthfill and grades are not maintained. Restore elevations and grades, as necessary.
 - Eliminate causes of settlement or cracks in the earthen sections and repair damage.
- Minimize excessive travel or use of any portion of the system that will harm or destroy vegetative cover and degrade functions and values. Repair vandalism, vehicular, and livestock damage.
- Inspect all rock riprap for accelerated weathering and displacement. Replace to original grades, if necessary.
- All fences, railings, and/or warning signs shall be maintained to provide warning and/or prevent unauthorized human or livestock entry.
- Check all timber or lumber sections for decay or other damage, especially sections in contact with earth or other materials. Repair as necessary.
- Repair or replace rusted or damaged metal and apply paint as a protective coating.
- All vegetation established for this practice shall be maintained to achieve its intended function. Replant if necessary.

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- Maintain safety measures for protection of humans and animals.
- Maintain travel-ways that provide access for operation and maintenance.
- Additional operation and maintenance, if needed, specific to your stream habitat improvement project (see below).

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Contact your local NRCS Service Center for technical assistance, as needed, for implementation of this operation and maintenance plan.

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Wetland Enhancement (659) Monitoring

The Land User, with assistance from NRCS or other Cooperators where needed, will provide the following information annually starting December 31st the year of practice installation and ending five years after practice installation.

Project Information:			
Client Name:			
Project Location:		Project Name (or N/A):	
Date Practice was installed:		Site Monitoring Date:	
Hydrologic Function: <i>please describe and document below whether the frequency, timing, duration and depth of flooding is meeting targeted goals.</i>			
Frequency:			
Timing:			
Duration:			
Depth:			
Vegetative Function: <i>please describe and document whether desired wetland plant species (planted or natural colonization) or critical area plantings have or are becoming established, are serving the intended purpose, and any problems (e.g., invasion of invasive, noxious, or undesirable species).</i>			
Wetland Species:			
Critical Area Planting:			
Structure Condition/Function: <i>please describe and document if structures are serving their intended purpose and any problems (e.g., nuisance animals or plants, structural failures, etc.).</i>			
Notes: <i>please describe any other issues or problems related to the project's success, operation and maintenance, etc.</i>			

Please attach supporting documentation (e.g., photos, survey information, etc.) as needed.