

Restoration and Management of Declining Habitats Conservation Practice Job Sheet - Oyster Monitoring

RI-643

Owner/Operator	Farm No.	Tract No.	Field No.	



Oysters. Maggie Payne, RI NRCS.

Definition

Restoring and conserving rare or declining native vegetated communities and associated wildlife species.

Where used

This practice may be used on any landscape which once supported or currently supports the habitat to be restored or managed.

Purpose (check all planned purposes)

To restore land or aquatic habitats degraded by human activity, provide habitat for rare and declining

wildlife species by restoring and conserving native plant communities, increase native plant community diversity, and manage unique or declining native habitats. (Note: NRCS uses the term "wildlife" to include all animals, terrestrial and aquatic).

- ☐ Restore land or aquatic habitats degraded by human activity.
- Provide habitat for rare and declining wildlife species by restoring and conserving native plant communities.
- ☐ Increase native plant community diversity.
- Management of unique or declining native habitats.

Specifications

Habitat management activities should be prioritized, initiated, and orchestrated in concert with an existing state or regional conservation plan for the habitat, species and associated relationships.

Confer with other agencies and organizations to develop guidelines and specifications for conserving declining habitats.

Follow up habitat assessments shall be performed on a regular basis.

All plant materials should comply with the minimum standards, established by the American Nursery and Landscape Association, 1250 I Street Northwest, Suite 500, Washington, DC.

Plant materials centers and commercial growers should be encouraged to develop plant materials for habitat restorations.

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Owner/Operator	Farm No	I ract No	Field No				
This monitoring protocol follows the re	· · · · · · · · · · · · · · · · · · ·						
imum Monitoring Metrics and Assess	sment Protocols as established	by the Rhode Island	Shellfish Technical Worl				
up.							
ATE:							
1. SITE DESCRIPTION							
a. Physical/Chemical: Measure dur	Physical/Chemical: Measure during each site visit						
Temperature (degrees C)							
Calinity (ant)							
Salinity (ppt)							
Dissolved O ₂ (mg/L)							
b. Depth: Intertidal or sub-tidal – D	enth at mean low water (m)						
c. Benthic substrate:	eptil at mean low water (m)						
% cover of substrate type (Mud,	Sand/Silt,						
Sand/Cobble, Rocky	,						
, ,							
NRCS Subaqueous Soil Mapunit N	Name (from Web Soil						
Survey)	,						
Submerged Aquatic Vegetation (species names)						
% cover of dominant micro-algae	2						
d. Substrate enhancement:							
Date of enhancement & materia	l used						
Density (volume of material/sq.	meter)						
Vertical relief (at every quadrant	location, plus at least						
3 representative locations.							
Total area (sq. meter) enhanced	- Actual area, not						
project footprint: e. Seeding History:							
Date & number seeded							
Average size of seed (mm)							
Approximate seeding density (# o	ovsters/sg. meter)						
	- / - 3 /						
Origin of seed (i.e., hatchery)							

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Owner f.	r/Operator Location: e.g., Bissel C	ove, Bed 1, 41.54615	Farm No 5 N, 71.42942W __	Tract No	Field No		
g.	·	ed. Measure dimen	sions of boundar	y (m.)	d. Record lat/long coordinates o		
a. Qua b. Sam	adrat sampling: Oyster E drat Size: (to be determi apling Effort: mize sample allocations	ned by qualified pro	fessionals, based)		
o Distr o Num o Num o Num o Valve	pling Design: ribute quadrats evenly in aber of live and recently of aber of recruits in each quader of oysters with drill le e length (mm) sample nu arn oysters to quadrat	lead (hinge still intad uadrat – separate tal noles or boring spon	ct) oysters in eac ly ge	h quadrat 			
3. Dise	ease Monitoring						

- o 30 oysters (60-90 mm valve length) sampled within each restoration site
- o Collect samples mid-August through September annually
- o Test for Dermo, MSX and SSO
- o Coordinate with local pathologists