

Wetland Enhancement: Table 1 Summary of Effects to Atlantic Salmon

Practice Information

This practice applies on any degraded or non-degraded existing wetland where the objective is specifically to enhance selected wetland functions. This practice is not used on degraded wetlands when the soils, hydrology, vegetative community, and biological habitat are returned to original conditions or where a wetland is created on a site that historically was not a wetland.

The purpose of this practice is to provide specific wetland conditions by:

1. Hydrologic enhancement (depth duration and season of inundation, and/or duration and season of soil saturation); and/or
2. Vegetative enhancement (including the removal of undesired species, and/or seeding or planting of desired species).

Native vegetative species should be used in the enhancement whenever possible. Manipulation of water levels can be used to control unwanted vegetation. Haying or grazing can also be used to manage vegetation



Network Diagram Effect Number	Life cycle affected:	Effect on Essential Fish Habitat (EFH):	Essential Fish Habitat Conservation Measures (CMs):	Effect on EFH (with CMs):
D.1 Increase and decrease in stream baseflow	Eggs & Larvae, Juveniles, Adults, Spawning Adults	May Adversely Affect: decrease in surface or groundwater due to increased losses from evaporation, transpiration	Water control structures sited off-channel and isolated from streams.	No adverse effect
D.2 Increase in groundwater recharge	Eggs & Larvae, Juveniles, Adults, Spawning Adults	None	None	No adverse effect
D.4 Increase in habitat quality for target wildlife	Eggs & Larvae, Juveniles, Adults, Spawning Adults	None	None	No adverse effect

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D.5 Decrease in habitat quality for some non-target wildlife	Eggs & Larvae, Juveniles, Adults, Spawning Adults	Limited impact due to off-channel siting of all water control structures	None	No adverse effect
D.6 Increase in desired wetland plant growth	Eggs & Larvae, Juveniles, Adults, Spawning Adults	None	None	No adverse effect
I.4 Decrease in surface water released	Eggs & Larvae, Juveniles, Adults, Spawning Adults	No effect due to full mitigation of all adverse effects	Water control structures sited off-channel and isolated from streams.	No adverse effect
I.5 Decrease in contaminants, pathogens, sediments to receiving waters	Eggs & Larvae, Juveniles, Adults, Spawning Adults	None	None	No adverse effect
I.6 Increase in wildlife use	Eggs & Larvae, Juveniles, Adults, Spawning Adults	None	None	No adverse effect
I.7 Increase in populations of migratory birds and other wetland wildlife	Eggs & Larvae, Juveniles, Adults, Spawning Adults	None	None	No adverse effect

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I.9 Decrease in populations of non-target species	Eggs & Larvae, Juveniles, Adults, Spawning Adults	Limited impact due to off-channel siting of all water control structures	None	No adverse effect
C.2 Decrease and increase in quality of surface waters and aquatic habitats	Eggs & Larvae, Juveniles, Adults, Spawning Adults	Limited impact due to off-channel siting of all water control structures	None	No adverse effect
C.4 Decrease and increase in biodiversity	Eggs & Larvae, Juveniles, Adults, Spawning Adults	Limited impact due to off-channel siting of all water control structures	None	No adverse effect