

# Riparian Forest Buffer: Table 1 Summary of Effects to Atlantic Salmon

## Practice Information

This practice applies to areas adjacent to permanent or intermittent streams, lakes, ponds, wetlands and areas associated with ground water recharge.

The riparian forest buffer is a multi-purpose practice design to accomplish one or more of the following:

1. Create shade to lower water temperatures and improve habitat for aquatic animals.
2. Provide a source of debris necessary for healthy robust populations of aquatic organisms and wildlife.
3. Act as a buffer to filter out sediment, organic material, fertilizer, pesticides and other pollutants that may adversely impact the water body, including shallow ground water.

Dominant vegetation consists of existing or planted trees and shrubs suited to the site and purpose(s) of the practice. Grasses and forbs that come in naturally further enhance the wildlife habitat and filtering effect of the practice.



<b>Network Diagram Effect Number</b>	<b>Life cycle affected:</b>	<b>Effect on Essential Fish Habitat (EFH):</b>	<b>Essential Fish Habitat Conservation Measures (CMs):</b>	<b>Effect on EFH (with CMs):</b>
D.3 Increase in infiltration of precipitation and soil storage	Eggs & Larvae, Juveniles, Adults, Spawning Adults	None	None	No adverse effect
D.4 Increase in uptake of soil nutrients during growing season	Eggs & Larvae, Juveniles, Adults, Spawning Adults	None	None	No adverse effect
D.5 Decrease in streambank erosion and sedimentation	Eggs & Larvae, Juveniles, Adults, Spawning Adults	None	None	No adverse effect

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D.6 Increase in shade and vertical vegetative structure	Eggs & Larvae, Juveniles, Adults, Spawning Adults	None	None	No adverse effect
D.7 Increase in leaf/debris fall and woody plant mortality	Eggs & Larvae, Juveniles, Adults, Spawning Adults	None	None	No adverse effect
D.8 Increase in arboreal and understory habitat	Eggs & Larvae, Juveniles, Adults, Spawning Adults	None	None	No adverse effect
I.5 Decrease in air and water temperature	Eggs & Larvae, Juveniles, Adults, Spawning Adults	None	None	No adverse effect
I.6 Increase in detritus and large woody debris in streams	Eggs & Larvae, Juveniles, Adults, Spawning Adults	None	None	No adverse effect
I.7 Increase in aquatic wildlife (populations and diversity)	Eggs & Larvae, Juveniles, Adults, Spawning Adults	None	None	No adverse effect

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I.8 Decrease in contaminants, pathogens, sediments to receiving waters	Eggs & Larvae, Juveniles, Adults, Spawning Adults	None	None	No adverse effect
C.4 Increase in quality of surface waters and aquatic habitats	Eggs & Larvae, Juveniles, Adults, Spawning Adults	None	None	No adverse effect
C.7 Increase in fishable and swimmable waters; health and safety issues for humans, domestic and wild animals	Eggs & Larvae, Juveniles, Adults, Spawning Adults	None	None	No adverse effect