

Grass Waterway: Table 1 Summary of Effects to Atlantic Salmon

Practice Information

Waterways are constructed to convey runoff from terraces, diversions, or other concentrated flow areas where erosion control is needed.

The most critical time for successful installation of a grassed waterway is immediately following construction when the channel is bare and unprotected from runoff. Waterways are generally planted to perennial grass. It is critical during the vegetative establishment period to restrict outside water from flowing through the channel. Therefore, it may be necessary delay construction of terraces and/or diversions until the waterway is well established. Another critical consideration is the outlet at the lower end. If water quality or protection of riparian vegetation (streambank) is an issue, the outlet end may need to widen significantly or another buffer or filtering type practice may be necessary. In addition, the waterway installation must assure that the runoff from the waterway does not cause gullies and/or overfalls to develop.



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.4 Increase in Infiltration	Eggs & Larvae, Juveniles, Adults, Spawning Adults	No effect	None	No adverse effect
D.6 Decrease in runoff velocity	Eggs & Larvae, Juveniles, Adults, Spawning Adults	No effect	None	No adverse effect
I.6 Decrease in Contaminants, pathogens, sediments to receiving waters	Eggs & Larvae, Juveniles, Adults, Spawning Adults	No effect	None	No adverse effect

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Network Diagram Effect Number	Life cycle affected:	Effect on Essential Fish Habitat (EFH):	Essential Fish Habitat Conservation Measures (CMs):	Effect on EFH (with CMs):
I.8 Decrease in maintenance of drainage ditches and other structures	Eggs & Larvae, Juveniles, Adults, Spawning Adults	No effect	None	No adverse effect
C.2 Increase in fishable and swimmable waters; health and safety issues for humans, domestic and wild animals	Eggs & Larvae, Juveniles, Adults, Spawning Adults	No effect	None	No adverse effect
C.3 Increase in the quality of receiving waters and aquatic habitat	Eggs & Larvae, Juveniles, Adults, Spawning Adults	No effect	None	No adverse effect