

# Underground Outlet: Table 1 Summary of Effects to Atlantic Salmon

## Practice Information

The purpose of the practice is to dispose of excess water from structures such as terraces, diversions, and surface drains without causing damage by erosion or flooding. An underground outlet can be installed when a buried outlet is needed or when surface outlets are impractical because of stability problems, climatic conditions, land use, farmability, or equipment traffic.

The outlet must be sufficiently stable for all anticipated flow conditions and designed for the maximum anticipated water surface. Outlets should not be placed in areas of active erosion.



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 in water volume at outlet	Eggs & Larvae, Juveniles, Adults, Spawning Adults	None	None	No adverse effect
I.1 Increase in erosion potential downstream	Eggs & Larvae, Juveniles, Adults, Spawning Adults	May Adversely Affect: Short-term potential for pollutant delivery during construction	Erosion & Sediment Control Measures, Critical Area Planting, Streambank and Shoreline Protection installed as needed for site specific conditions	No adverse effect
I.2 Decrease and increase in quality of surface waters and aquatic habitats	Eggs & Larvae, Juveniles, Adults, Spawning Adults	May Adversely Affect: Short-term potential for pollutant delivery during construction	Erosion & Sediment Control Measures, Critical Area Planting, Streambank and Shoreline Protection installed as needed for site specific conditions	No adverse effect

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<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>
I.3 Decrease and increase in contaminants, pathogens, sediments to receiving waters	Eggs & Larvae, Juveniles, Adults, Spawning Adults	May Adversely Affect: Short-term potential for pollutant delivery during construction	Erosion & Sediment Control Measures, Critical Area Planting, Streambank and Shoreline Protection installed as needed for site specific conditions	No adverse effect
I.4 Decrease in run-off (inlet site)	Eggs & Larvae, Juveniles, Adults, Spawning Adults	None	None	No adverse effect
I.5 Decrease in soil erosion (inlet site)	Eggs & Larvae, Juveniles, Adults, Spawning Adults	None	None	No adverse effect
I.6 Decrease in maintenance of drainage ditches and other structures	Eggs & Larvae, Juveniles, Adults, Spawning Adults	None	None	No adverse effect
C.1 Decrease and increase in fishable and swimmable waters, health and safety issues for humans, domestic and wild animals	Eggs & Larvae, Juveniles, Adults, Spawning Adults	No effect due to full mitigation of all adverse effects	Erosion & Sediment Control Measures, Critical Area Planting, Streambank and Shoreline Protection installed as needed for site specific conditions	No adverse effect