

Recreation Land Grading and Shaping: Table 1 Summary of Effects to Atlantic Salmon

Practice Information

Recreation Land Grading and Shaping is reshaping the land to support effective and safe use of a recreation resource and/or to minimize on-site and off-site impacts to natural resources from recreation land use. This practice is used where surface irregularities, slopes, obstructions, or surface drainage interfere with planned recreational use or where such use requires designed land surfaces.

The grading and shaping is configured to minimize adverse on-site and off-site impacts. Considerations during the planning process include measures to reduce: soil erosion, riparian zone degradation, stream channel and streambank damage, hydrology modification, other water resource damage, aesthetics or unacceptable damage to wildlife habitat, fragmentation, or restrictions to wildlife movement. Plans will include measures for erosion control and for removing or otherwise providing for control of excess surface water.



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 soil erosion	Eggs & Larvae, Juveniles, Adults, Spawning Adults	May adversely affect: short term increase in turbidity or streambed sedimentation during construction ; potential increase in BOD	Erosion & Sediment Control Measures: Critical Area Planting, Filter Strip, Riparian Forest Buffer, Water and Sediment Control Basin, Sediment Basin, Grade Stabilization Structure installed as needed for site specific conditions	No adverse effect
D.5 Increase in run-off from area	Eggs & Larvae, Juveniles, Adults, Spawning Adults	May adversely affect: increased peak flows result in increased suspended sediment from gully and streambank erosion	Runoff Control Measures: Detention ponds to minimize peak flow events, Critical Area Plantings installed as needed for site specific conditions.	No adverse effect

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I.9 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 and/or whenever area is used by machinery	Pre-construction cleaning and inspection of heavy equipment ; Erosion and Sediment Control Measures, Critical Area Planting, Filter Strip, Riparian Forest Buffer, Water and Sediment Control Basin, Sediment Basin, Grade Stabilization Structure, Pond installed to reduce dissolved contaminant and sediment loadings in runoff	No adverse effect
I.10 Decrease and increase in quality of surface waters and aquatic habitats	Eggs & Larvae, Juveniles, Adults, Spawning Adults	No effect due to full mitigation of all adverse effects	Erosion & Sediment Control Measures, Critical Area Planting, Filter Strip, Riparian Forest Buffer, Water and Sediment Control Basin, Sediment Basin, Grade Stabilization Structure, Pond installed as needed for site specific conditions	No adverse effect
C.2 Decrease and increase in health of 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, Filter Strip, Riparian Forest Buffer, Water and Sediment Control Basin, Sediment Basin, Grade Stabilization Structure, Pond installed as needed for site specific conditions	No adverse effect

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C.3 Decrease and increase in biodiversity	Eggs & Larvae, Juveniles, Adults, Spawning Adults	No effect due to full mitigation of all adverse effects	Erosion & Sediment Control Measures, Critical Area Planting, Filter Strip, Riparian Forest Buffer, Water and Sediment Control Basin, Sediment Basin, Grade Stabilization Structure, Pond installed as needed for site specific conditions	No adverse effect