

# Waste Treatment: Table 1 Summary of Effects to Atlantic Salmon

## Practice Information

The purpose of the practice is to change the form or composition of waste as part of an agricultural waste management system. The composition or form of the waste is modified to provide additional utilization alternatives. This includes: the separation of liquids and solids (e.g., milk room waste) for further processing or for effective transport and subsequent utilization or treatment in a subsurface drain field; the dilution of raw agricultural waste (e.g., silage leachate), which contains excess or unavailable nutrients for land application based on crop utilization requirements. Value added by-products can be produced to offset treatment costs.



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 mechanical treatment of waste	Eggs & Larvae, Juveniles, Adults, Spawning Adults	None	None	No adverse effect
D.2 Increase in biological treatment of waste to break down organic material	Eggs & Larvae, Juveniles, Adults, Spawning Adults	None	None	No adverse effect

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D.3 Increase in chemical treatment of waste	Eggs & Larvae, Juveniles, Adults, Spawning Adults	None	None	No adverse effect
I.2 Increase in nutrient-laden liquids available for irrigation	Eggs & Larvae, Juveniles, Adults, Spawning Adults	Long-term potential for groundwater pollution from excess nutrients applied on coarse textured, shallow soils or other sensitive areas.	Groundwater Pollution Control Measures: Nutrient Management and Pest Management of manure and agrichemical use and application to reduce to minimize adverse impacts by evaluation of runoff/infiltration hazards	No adverse effect
I.5 Increase in alternatives for solid waste utilization	Eggs & Larvae, Juveniles, Adults, Spawning Adults	None	None	No adverse effect
I.6 Decrease in nutrients	Eggs & Larvae, Juveniles, Adults, Spawning Adults	None	None	No adverse effect

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I.7 Decrease in pathogens	Eggs & Larvae, Juveniles, Adults, Spawning Adults	None	None	No adverse effect
I.8 Decrease in contaminants, pathogens, sediments to receiving waters	Eggs & Larvae, Juveniles, Adults, Spawning Adults	None	None	No adverse effect
C.1 Increase in quality of surface waters and aquatic habitats	Eggs & Larvae, Juveniles, Adults, Spawning Adults	None	None	No adverse effect