

Row Arrangement: Table 1 Summary of Effects to Atlantic Salmon

Practice Information

The purpose of this practice is to provide adequate drainage, reduce erosion, control runoff water, and permit optimum use of rainfall and irrigation water.

Row arrangement utilizes furrows to slow runoff and allow more moisture to infiltrate the soil. Arranging rows on the contour can increase erosion if the rainfall amount exceeds the ability of the contours to control runoff. Therefore, this practice is usually planned in conjunction with other practices needed for support in the event that runoff exceeds the carrying capacity of the contours.

Local standards and specifications generally cover the following items:

1. Alignment requirements when planned and applied with practices such as terraces, diversions, and contour strips;
2. Alignment requirements when contour farming is applied without protection from supporting practices (see above);
3. Established tolerances for deviation from true contour, row grade and row length.



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.3 Decrease in run-off velocity	Eggs & Larvae, Juveniles, Adults, Spawning Adults	None	None	No effect
D.4 Increase in water infiltration	Eggs & Larvae, Juveniles, Adults, Spawning Adults	None	None	No effect
I.3 Decrease in sheet and rill erosion	Eggs & Larvae, Juveniles, Adults, Spawning Adults	None	None	No 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.7 Decrease in contaminants, pathogens, sediments to receiving waters	Eggs & Larvae, Juveniles, Adults, Spawning Adults	None	None	No effect
I.9 Decrease in run-off volume	Eggs & Larvae, Juveniles, Adults, Spawning Adults	None	None	No effect
I.12 Increase in quality of ground waters	Eggs & Larvae, Juveniles, Adults, Spawning Adults	None	None	No effect
C.2 Increase in quality of surface waters and aquatic habitats	Eggs & Larvae, Juveniles, Adults, Spawning Adults	None	None	No effect
C.3 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 effect