

# Collapse at salmon farm renews debate about fish farming

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In this Tuesday, Aug. 22, 2017 photo, Riley Starks of Lummi Island Wild shows three of the farm raised Atlantic salmon that were caught alongside four healthy Kings in Point Williams, Wash. A marine net pen holding 305,000 farmed Atlantic salmon collapsed recently, releasing thousands of fish into Puget Sound and renewing concerns that a new proposed salmon farm could harm wild salmon stock and cause other environmental damage. (Dean Rutz/The Seattle Times via AP)

A marine net pen holding 305,000 farmed Atlantic salmon collapsed recently, releasing thousands of fish into Puget Sound and renewing concerns that a new proposed salmon farm could harm wild salmon stock and cause other environmental damage.

The release at Cooke Aquaculture's facility comes as the company is proposing new expanded commercial facility in the Strait of Juan de Fuca in Washington state.

Canada-based Cooke, which operates five salmon farms in Washington that it acquired last year, would build 14 floating circular net pens about 1 ½ miles (1.61 kilometers) offshore. It would move

current operations from Port Angeles Harbor and increase production by 20 percent. The project is in the permitting phase.

Critics say the recent fish escape highlights potential risks of open-sea fish farming. They worry about water pollution from fish feed and the potential for farmed fish to spread of diseases and parasites to wild fish.

"These are open net pens. They're not isolated from surrounding environment," said Chris Wilke, executive director of the Puget Soundkeeper Alliance, which opposes the project.

Ron Warren, who heads the Washington Department of Fish and Wildlife's fish program, said there's no evidence the escaped fish pose a threat to native fish populations, either through disease or crossbreeding with Pacific salmon.

Still, he said the state wants to protect native fish species and have urged anglers to catch as many escaped salmon, some up to 10 pounds, as possible.

Washington has the largest marine finfish aquaculture industry in the U.S. with farms producing about 17 million pounds of Atlantic salmon each year, according to the state.

While salmon farms have operated for more than 30 years in Washington, they still remain controversial in the Pacific Northwest where wild salmon reigns supreme. Alaska has banned commercial finfish aquaculture. Several counties in the state such as Whatcom County have moved to limit commercial finfish aquaculture.



Halse said Cooke had applied for permits to upgrade the net pens at the Cypress Island to its level of standards. It also plans to make investments in operations across the state.

The Lummi Nation has been so concerned about the fish escapes that tribal anglers have been trying to catch the Atlantic salmon before they enter local rivers. The tribe declared a state of emergency Thursday, saying the fish spill needs to be addressed immediately. Tribal officials are worried that farmed salmon will eat native fish or disturb its spawning grounds.

Allen Cooke, left, and Nathan Cultee emerge from the hold of the Marathon after having separated out the 16 farm-raised Atlantic salmon they caught fishing off Point Williams, Wash., on Tuesday, Aug. 22, 2017. Two boats sailed into Home Port Seafoods in Bellingham with several of the farm-raised Atlantic salmon that escaped from their nets Monday. (Dean Rutz /The Seattle Times via AP)

Michael Rust, science adviser with the National Oceanic and Atmospheric Administration's aquaculture office, said farmed salmon tend to be domesticated, raised on feed and not used to catching fish or escaping predators. Farmed salmon are more likely to be prey than predator, he said.

Cooke blamed high tides and currents coinciding with Monday's solar eclipse for the failure over the weekend at its farm off Cypress Island in Skagit County.

He and others note that science and technology advances have improved fish farming practices in the U.S. over the decades and aquaculture operations must meet strict regulations.

"The ongoing tides were a huge challenge," said Nell Halse, a Cooke spokeswoman. She said the company called in experts last month to stabilize the salmon farm during high tides, though no fish escaped then. "We put our best expertise to stabilizing this farm and we had no reason to believe that it would have collapsed on Sunday."

Jill Rolland, who directs the U.S. Geological Survey's Western Fisheries Research Center in Seattle, said she's not concerned that the escaped fish have any pathogens that will spread to wild fish. "We have a very strong regulatory environment to ensure that these fish are under veterinary care," she said.

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Critics weren't buying that reasoning, noting that tides weren't higher than unusual over the weekend.

"They're trying to imply that this was some unnatural natural event. This was absolute negligence on their part," said Kurt Beardslee, executive director of the Wild Conservancy. Fish farms "are polluting every single day a massive amount of phosphorous and nitrogen into the waters that we're trying to clean up."

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