

CASE STUDY

HURRICANE® Submersible

Aerator Helps Salmon Fishery in Chile Thrive

PROBLEM

A Chilean salmon fishery risked losing an estimated \$1 million dollars in profit. Rising ocean water temperatures caused fluctuations in the dissolved oxygen (DO) levels. This threatened the vitality of the salmon. They needed a quick solution to control the DO levels of the salmon pens.

SOLUTION

The salmon fishery installed an AEROMIX HURRICANE® Submersible Aerator. A standard 30HP HURRICANE was initially tested in January of 2004 at Esperanza Inlet, British Columbia, Canada. The aerator increased DO levels by 9.2% after operating for just over an hour.



HURRICANE Testing at Esperanza Inlet

HOW IT WORKS

The HURRICANE is designed for high oxygenating efficiency and thorough mixing. A low pressure zone at the impeller aspirates atmospheric air down the stainless steel inlet pipe. Air and water combine and discharge through its diffusers. The turbulence and flow created by the impeller breaks up the air bubbles, mixes the water and disperses the oxygen throughout the basin. HURRICANE, by AEROMIX is an effective aerator and mixer in a variety of applications including equalization tanks, activated sludge reactors, aerobic digesters, and sequencing batch reactors. Standard units are available up to 100 HP (75kW). Other sizes are available upon request.



HURRICANE Installation in Chile

AEROMIX
Rugged Solutions in Water and Wastewater

AEROMIX manufactures a complete line of specialized aeration and mixing equipment for treating water and wastewater in industrial, municipal and freshwater markets. Call today to learn more about the AEROMIX aeration solutions best for your application.

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