

## Fish Processing Wastewater Treatment System

### 30 m<sup>3</sup>/hr (132 usgpm) capacity



*On location at the CERMAQ facility in Tofino, British Columbia*



*Treated water after H2Flow DAF Treatment*



*ALPHA 30 DAF and Flocculator*

## Case Study Details

CERMAQ Canada is a world class Salmon Farming Company with strong environmental values and a commitment to transparency. The farmers live in the area, and CERMAQ carries out a respectful partnership with nature and the community. Salmon is farmed from the purest waters, and they like to keep them that way. To stay kind to the planet, CERMAQ worked in partnership with H2Flow to treat the nutrient-rich wastewater to meet their high standards of sustainability and care for the environment.

Screening followed by Dissolved Air Floatation (DAF) was the chosen process for this wastewater system. Based on the high solid content (Fish scales, bones, etc.) the screening was crucial to ensuring the longevity and efficiency of the downstream equipment. The output of this system provides high-quality effluent as seen above.

H2Flow utilized an existing equalization tank while providing the rest of the system: two transfer pumps; an Internally-Fed Rotary Screen; an Alpha 30 DAF with feed pump, pipe flocculator and a sludge pump; a Chemical Feed System complete with pH control and a polymer makedown unit; and an operator-friendly PLC control panel.

A successful Start-Up & Installation was provided by H2Flow in January 2018.