



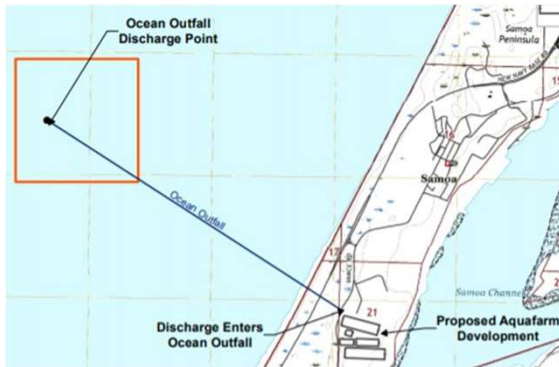
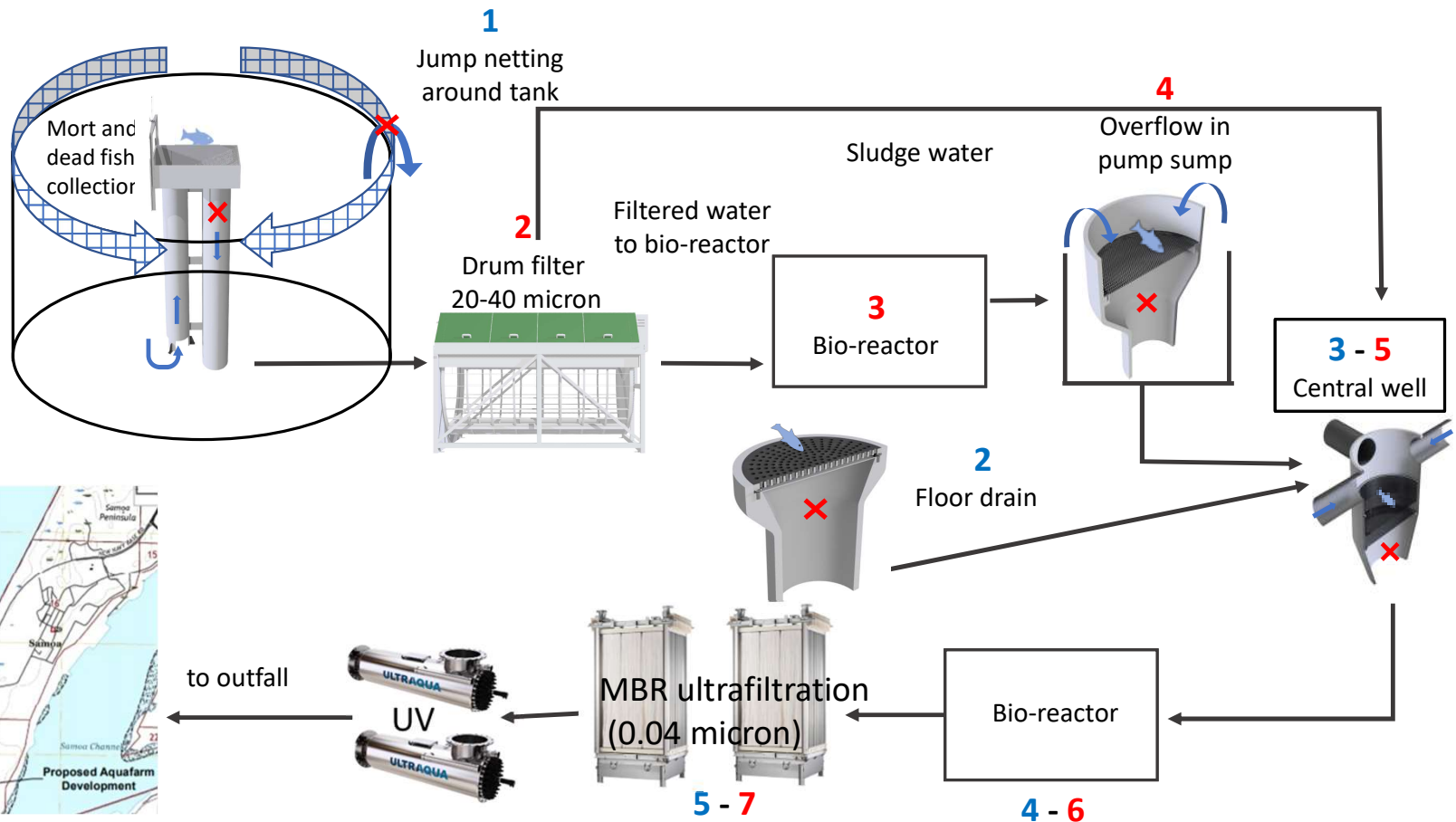
Nordic Aquafarms' project in Humboldt

January 20 , 2021

Overview of outgoing water from production area to WWT plant

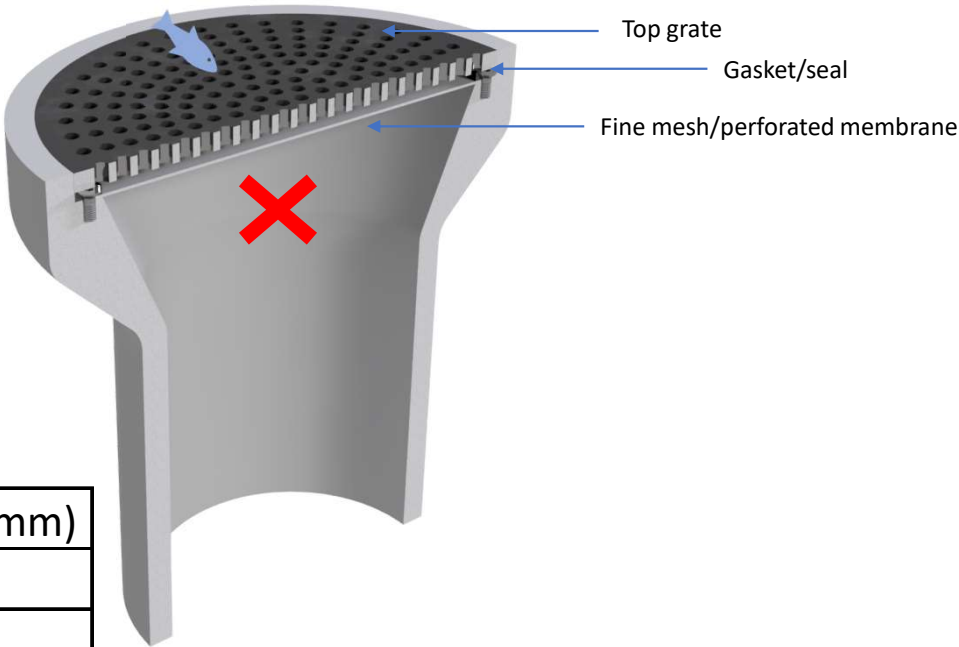
Numbers in **RED** show the path of water from the in-tank treatment system, with a total of **7 barriers**.

Numbers in **BLUE** show the path of water through the floor drain path, with a total of **5 barriers**.



Floor drains

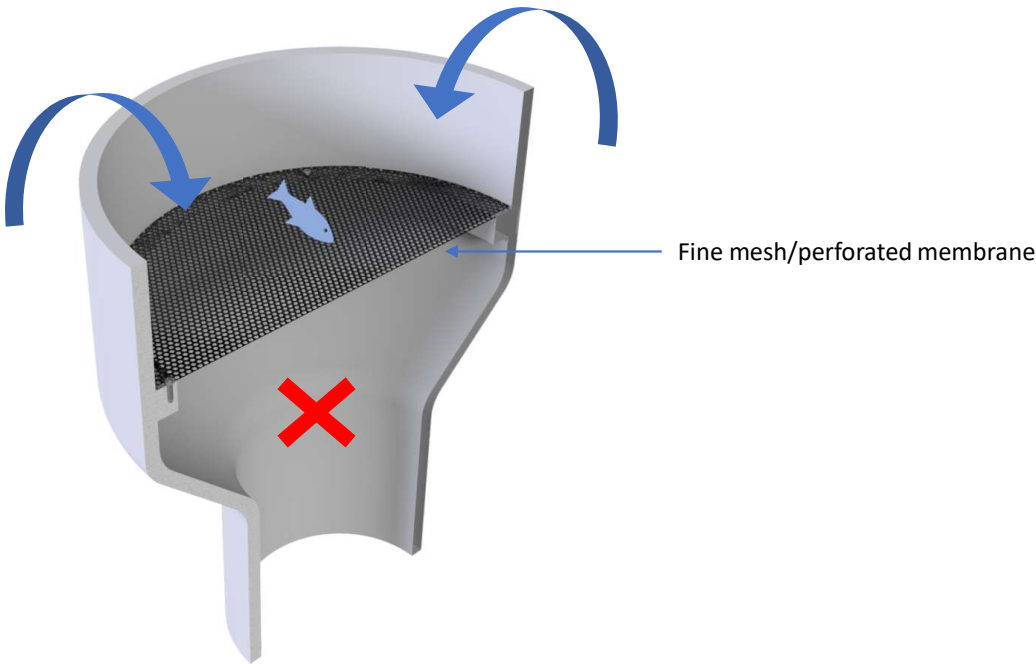
- Standard top grates
- Installed membrane is never removed while production area is in operation
- Gasket/seal installed



Production area	Fish-size (gram)	Holesize max (mm)
Hatchery	0,15-0,2	0,9
Fry /first feed	0,2-5	2
Parr	5-35/40	8
Smolt	35/40 - 150/300	18
Pre-growout	150/300-2000	27
Growout	2000-	27

Overflows in pump sumps

- Excess water from the production area passes through the overflows in the pump sumps
- Installed membrane is never removed while production area is in operation
- Easy to inspect and clean

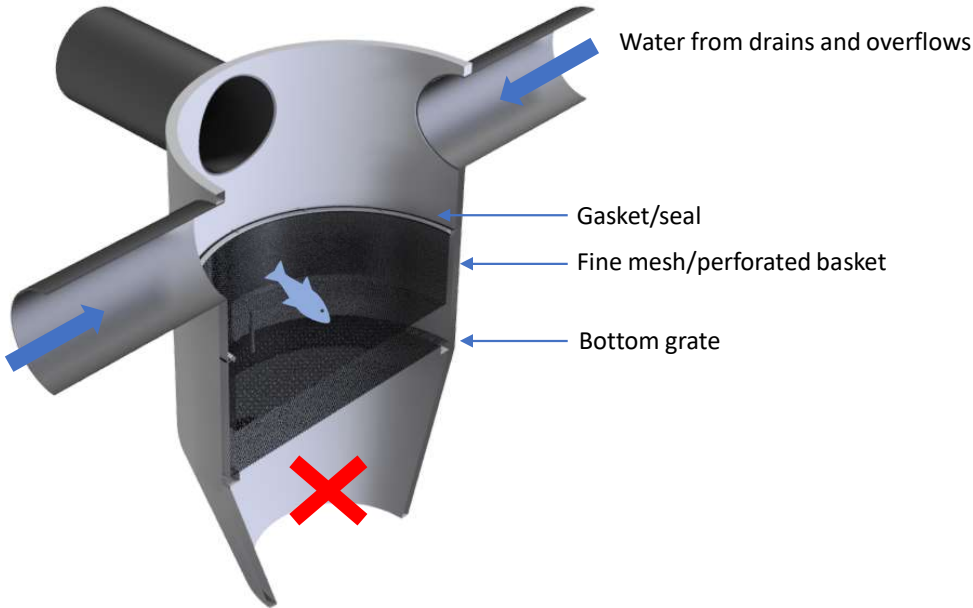


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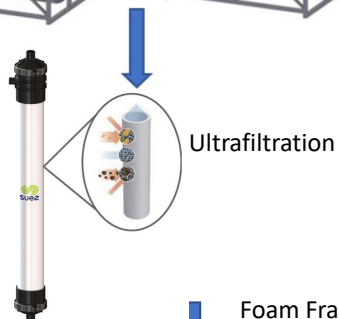
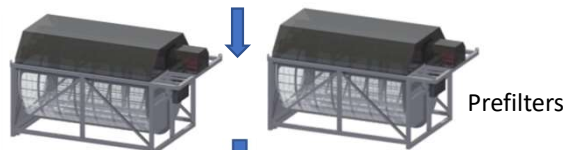
Central Wells

- All outgoing water from floor drains and overflows must pass through the central wells, before it is pumped to the WWTP
- One or more wells will be installed for each sub-plant
- Installed basket membrane is easy to inspect and clean

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INTAKE WATER TREATMENT



Foam Fractionation with ozone dosing



UV-C Treatment 250 mJ/cm²



BUFFER TANKS



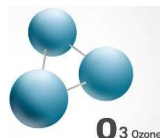
System Intake Water to RAS Internal Ozone/UV Treatment

RAS UNITS



RAS Discharge

Secondary Ozone addition



WASTEWATER TREATMENT

Biological Treatment + Membrane Filters



DISCHARGE



UV-C Treatment 300 mJ/cm²