



WILLIE CREEK PEARL FARM

Filtersafe Case Study



BACKGROUND

The Willie Creek Pearl Farm was looking for a water filter to support their site's desalination activities. The farm is 'off the grid' and needs to produce its own fresh water for those who live on and visit the farm, as well as for oyster cultivation.

UNIQUE CHALLENGES

The farm needed a reliable filter that could handle the challenges presented by the tidal river water being filtered. Under typical conditions, tidal water can contain a large amount of organic matter as well as suspended solids like sand, due to the nature of the constantly changing tides. This region of Australia is also subject to powerful tropical cyclones, which can cause enormous quantities of runoff filled with debris, that could easily clog normal filters.

BENEFITS TO CUSTOMER

Filtersafe's BSL single screen filter was determined to meet the farm's needs. The automatic cleaning cycle keeps the filter clean, and filtering reliably. The filter has already weathered a number of storms without any impact on its performance.

INDUSTRY

Desalination

LOCATION

Western Australia

APPLICATION

RO Membrane Protection

FILTERSAFE

- 30 years filtration experience
- 3000+ installations
- 10 microns upwards & 50-5,000 m³/hr.
- Modular filter technology





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Client	Willie Creek Pearl Farm
Location	Broome, Western Australia
Product	BSL100
Filtration Degree	40 µm
Flow Rate	43 m ³ /h
Application	RO Membrane Protection
Installation Date	April 2022
Water Source	Sea Water

*“APT Water are very proud to be partnered with **Filtersafe Automatic Screen Filtration** to work on projects such as the one at Willie Creek Pearl Farm. Throughout the last year the water quality varied significantly in the tidal creek that also experienced cyclone conditions resulting in very high total suspended solids. Evidence that the Filtersafe Everclear cleaning system is a market leading design”.*

Andrew Dean, Director, APT

