



# ECONAD Debris Booms™

## OVERVIEW:

Our ECONAD Debris Booms are advanced floating barriers designed to contain debris, available in various configurations to address a wide range of environmental challenges. The ECONAD series is specifically developed to intercept and retain large volumes of floating debris, including river trash, water hyacinth, and, in certain cases, petroleum products. In colder climates, the ECONAD series also functions effectively as ice barriers, aiding in the formation of upstream ice sheets, which helps prevent frazil ice formation and halts the movement of large ice masses.

## KEY APPLICATIONS:

- **Floating Debris Control:** Effectively captures and contains large amounts of floating debris and river trash, preventing their spread.
- **Fish Guidance Systems:** Directs and controls the movement of fish and other aquatic species.
- **Ice Barriers:** Serves as a powerful barrier for managing ice flow in cold conditions.
- **Deflector Barriers:** Protects critical infrastructure from debris by diverting it away from dangerous zones.
- **Oil Spill Management:** Contains bitumen globs and other pollutants in water.
- **River Flow Management:** Controls and directs water flow to prevent erosion and protect infrastructure.





**ECONAD**

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## TECHNICAL FEATURES:

- We offer a variety of design configurations, including different depths and heights of barriers, float materials, to meet specific conditions and requirements.
- Specialised designs for ice flow control.
- Options for directing the movement of different fish species.
- Options for pedestrian walkways and boat access for personnel and equipment.
- Durable materials made of high-density polyethylene (HDPE) and rotomolded floats.
- Designed to handle large debris loads, available in both standard and custom solutions.

## SIZES AND SPECIFICATIONS:

ECONAD barriers are typically manufactured in 3- and 6-metre segments for easy transportation, assembly, and installation.

Screen depths can reach up to 3 metres for rigid panels, with hybrid options that allow for extended coverage using flexible nets or screens that reach the river or lake bed. The design also takes into account width restrictions for sea or land transport.

## COMMITMENT TO ENVIRONMENTAL PROTECTION:

Floating debris mats, large accumulations of trash, water hyacinth, and logs can clog waterways, hinder power generation, and significantly contribute to ocean plastic pollution. Rivers act as channels that feed man-made waste into the oceans. ECONAD Debris Booms intercept and contain this waste at its source, allowing for easy removal and preventing further environmental contamination.



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