

# FISH PASSAGE

## PASS THROUGH ANTENNA SYSTEM

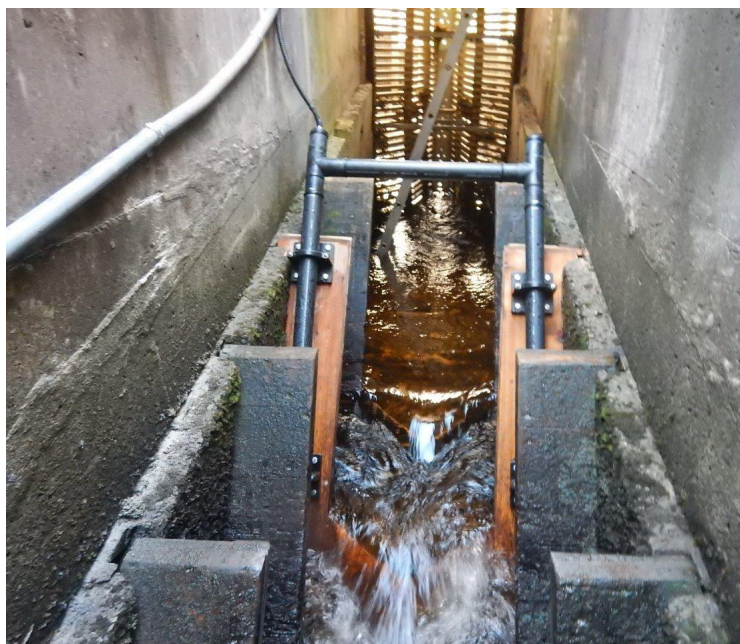


**Biomark**



The Biomark **FISH PASSAGE** Antennas are typically designed for the specific application or site. Antennas are fully submersible and can be used to monitor Ice Harbor style weirs, with overflow and submerged orifices or antennas can be integrated into vertical slots or sample the entire passage channel. Antennas are typically constructed with internal or external shields to mitigate for potential electromagnetic interference.

Multiple antennas are used to investigate travel time within a passage route and to empirically determine detection efficiency. Studies involving many tagged subjects passing through a detection area at the same time may require additional antennas in series allowing for increased detection efficiency and mitigate for grouping of fish/tags.



### ANTENNA TYPES

- Fish-Ladder Weir Antennas
- Submerged Orifice Antennas
- Fish-Ladder Vertical Antennas
- Hydropower facilities

### COMPONENTS

- Transceiver (reader)
- Antennas
- Equipment Enclosures
- Data Collection Platform
- Remote Communication
- Power Supply



## HYDROPOWER FACILITIES

- Tag detection up to 1m, tag speed 21 m/s
- Custom sizes available
- Hand welded



**Biomark** 

Scan the code to access this and other resources in the Biomark Digital Library, or visit: [biomark.com/library](https://biomark.com/library)

 **MERCK**  
Animal Health

© 2021 Intervet Inc., d/b/a Merck Animal Health, a subsidiary of Merck & Co. Inc., All rights reserved.