

# **Fish Predator Behavior at the Rocky Reach Juvenile Bypass Surface Collector**

By

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Fish & Wildlife Student Trainees

# High Resolution Learning



DIDSON Camera:

**Dual-Frequency Identification Sonar**



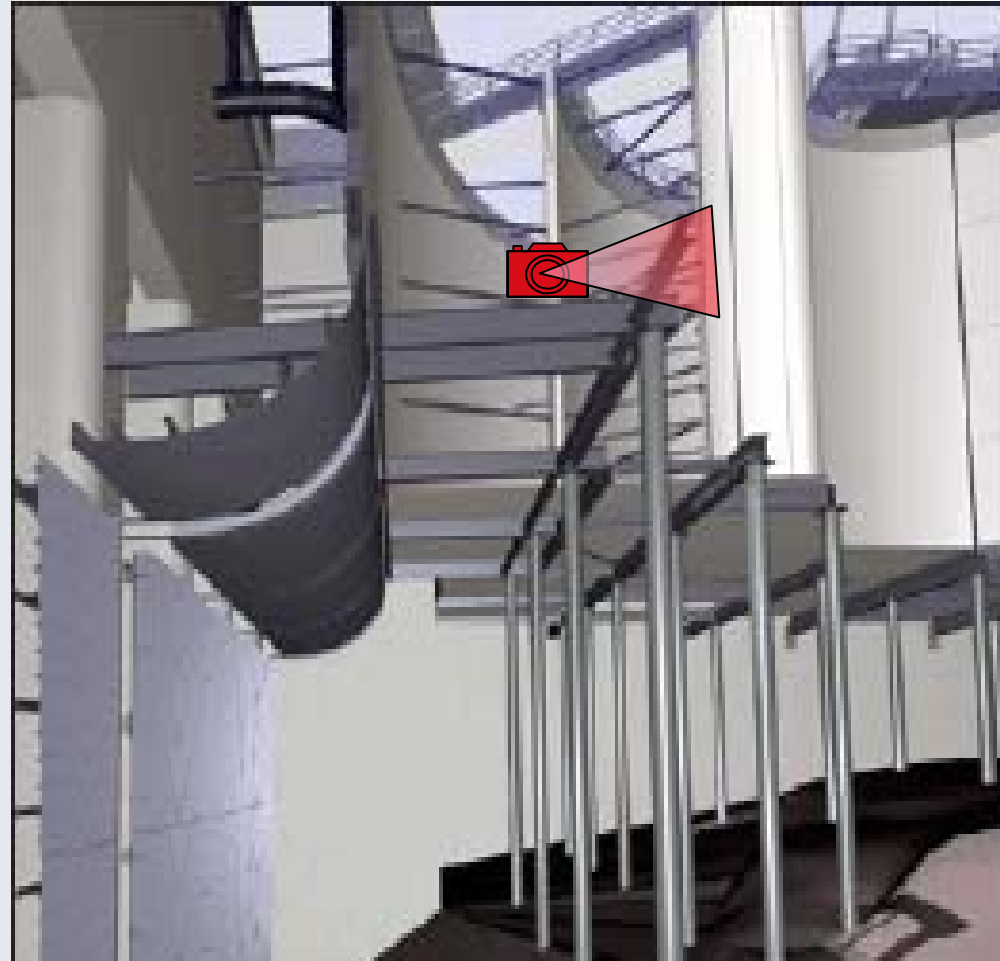
High-resolution video using sound waves



**Dual Purpose:**

- Determine if predators negatively influence behavior of smolts approaching collector
- Determine if predation occurs inside collector

# Location of Camera



**Mounted on Mid-Channel  
wall at a depth of 37 ft.**

# Video Findings



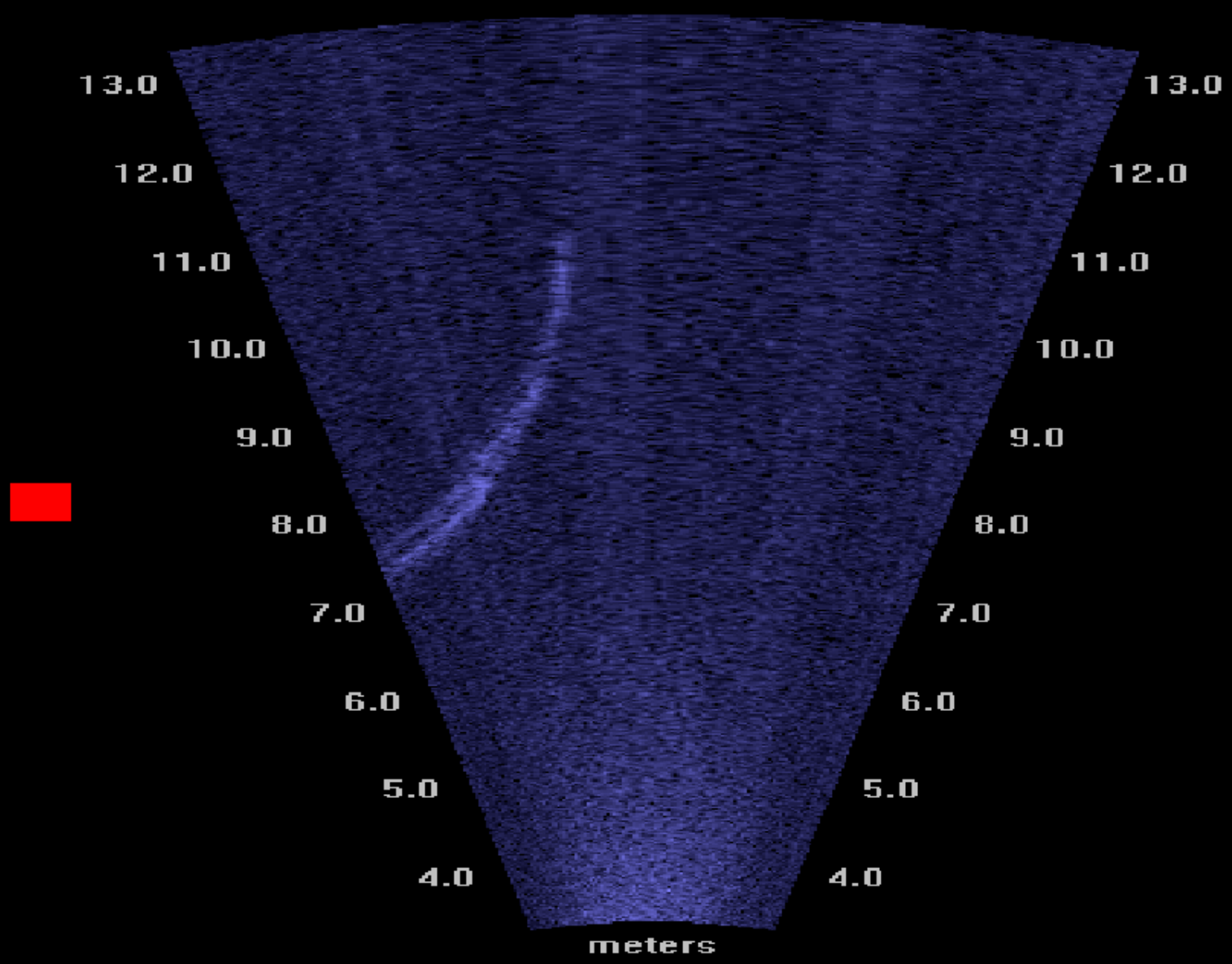
1,752 hours of footage recorded on computer hard drive



Pikeminnow staging in specific areas around collector structures



Pikeminnow catch smolts using “lay and wait” ambush techniques



pikeminnow predation1.avi

# 2007 Plan of Action



Increase Pike minnow fishing efforts at collector



Continue to monitor predator behavior



Explore additional methods to deter predators from utilizing collector as ambush point

# Questions???

