# LHO box from top

# LHO Box from back and top

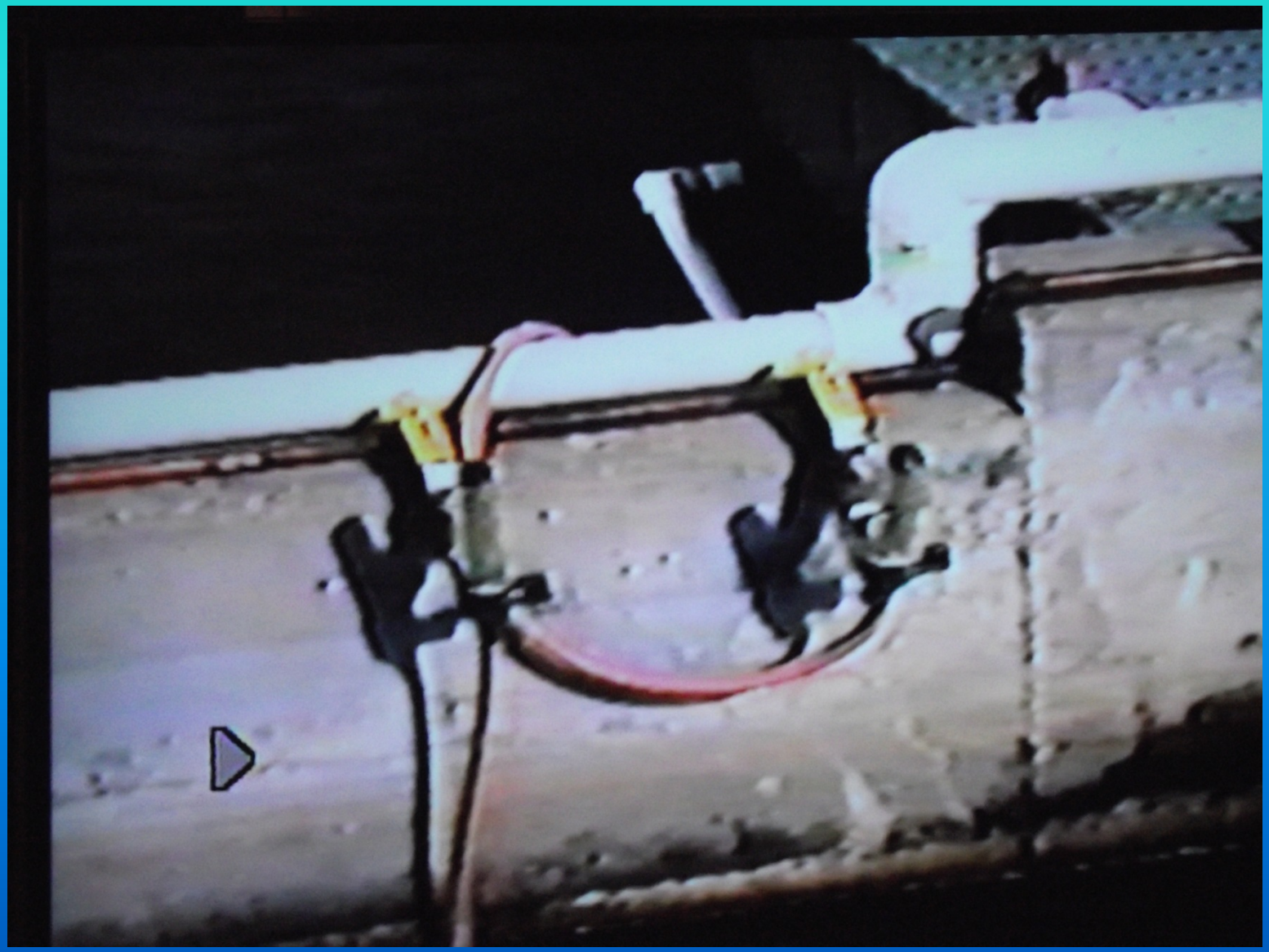
ASHTON
FISH
HATCHERY

# 500 Gallon Liquid Oxygen tank

## Compressed oxygen backup

# Individual air-flow meters from O2 line

**White PVC – air cleaning line  Copper- Oxygen line**



# LHO boxes on dam boards

## Quiescent zone in front

**Water came out of ground around 7 ppm. After 2nd section it was 5 ppm. LHO boxes bumped it up to 8 ppm. Went through two more sections and left 4th section at 5 ppm to LHO's. Bumped back up to 7 ppm and left bottom of raceways at 5 ppm. Great efficiencies transferring oxygen into 5 ppm water—up to 90%**

**Quiescent zones, cleanout stand-pipes, demand feeders, LHO's, and air-cleaning allowed us to double catchable production without increasing labor on 13 strains of fish**