

HUALAPAI NATIVE FISH REARING FACILITY
Hualapai Reservation, Peach Springs, Arizona



PURPOSE

- Address the immediate need for a rearing facility for Razorback suckers (*Xyrauchen texanus*), Humpback chub (*Gila cypha*), and other endangered and/or native species.
- Design and implement plans to recover native species in Grand Canyon and other areas.

BACKGROUND

- **March of 1995. BOR funded a Feasibility Study for the Construction and Operation of an Endangered Fish Rearing Facility on the Hualapai Reservation.**
- **November of 1995. BOR funded the Environmental Assessment of this project.**
- **Frazier Wells was chosen as the Preferred Site.**

AMOUNT OF MONEY INVESTED TO DATE

- BOR \$260,000
- BIA FISH HATCHERY MAINTENANCE - \$108,000
- HUALAPAI WILDLIFE, FISHERIES, AND PARKS \$225,000
- USFWS TWG - \$267,376



WELL HOUSE

Drilled in 1973

Depth to water is at 160'

6" casing

Water Temperature 50 F

***Continuous sustainability of 40 gal/min without significant impact to the other wells in the area**



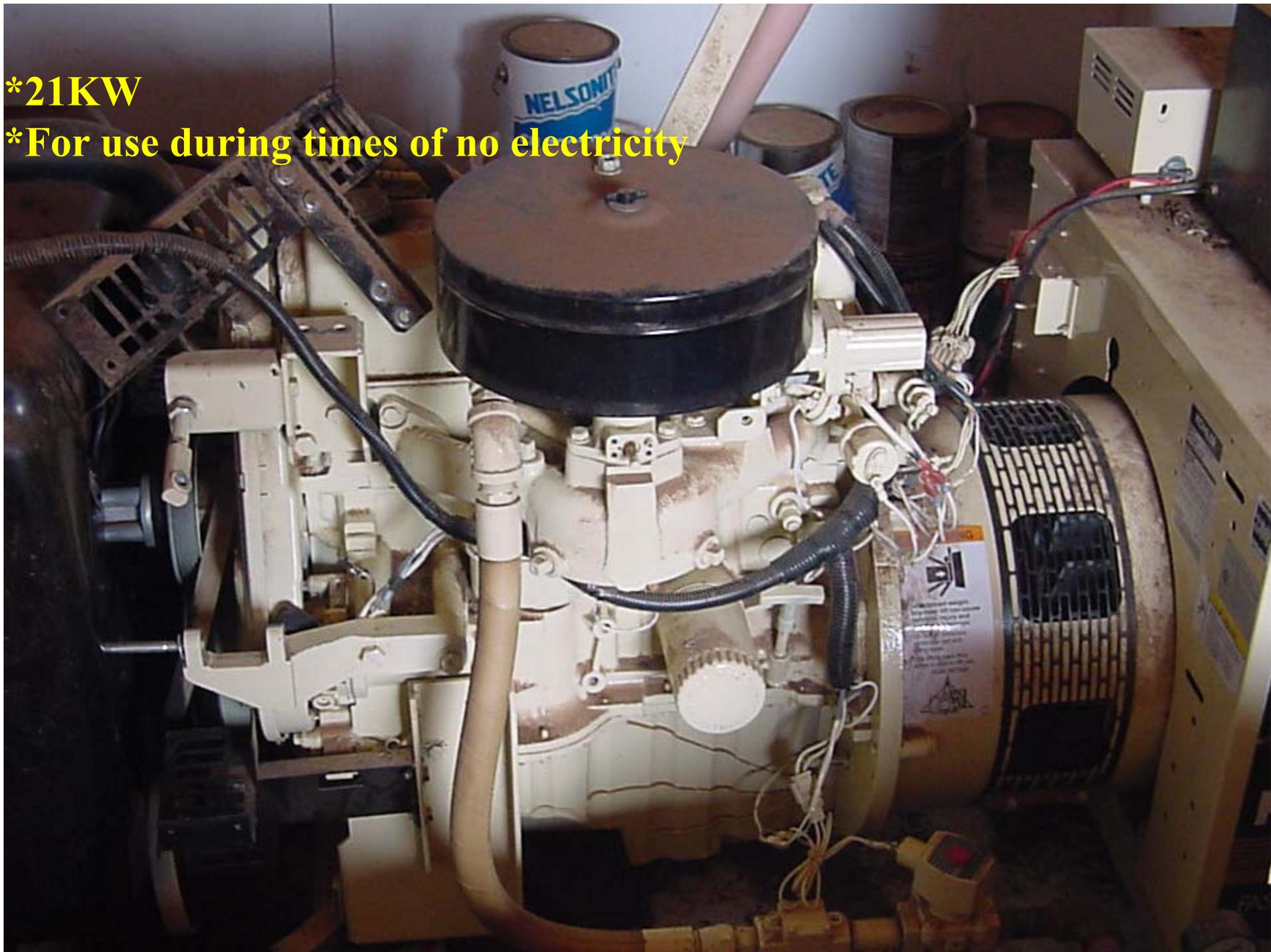
SUMP PUMP

- **Re-circulates the water from the de-nitrification pond to the rest of the ponds without the use of the well**
- **Powered by electricity**

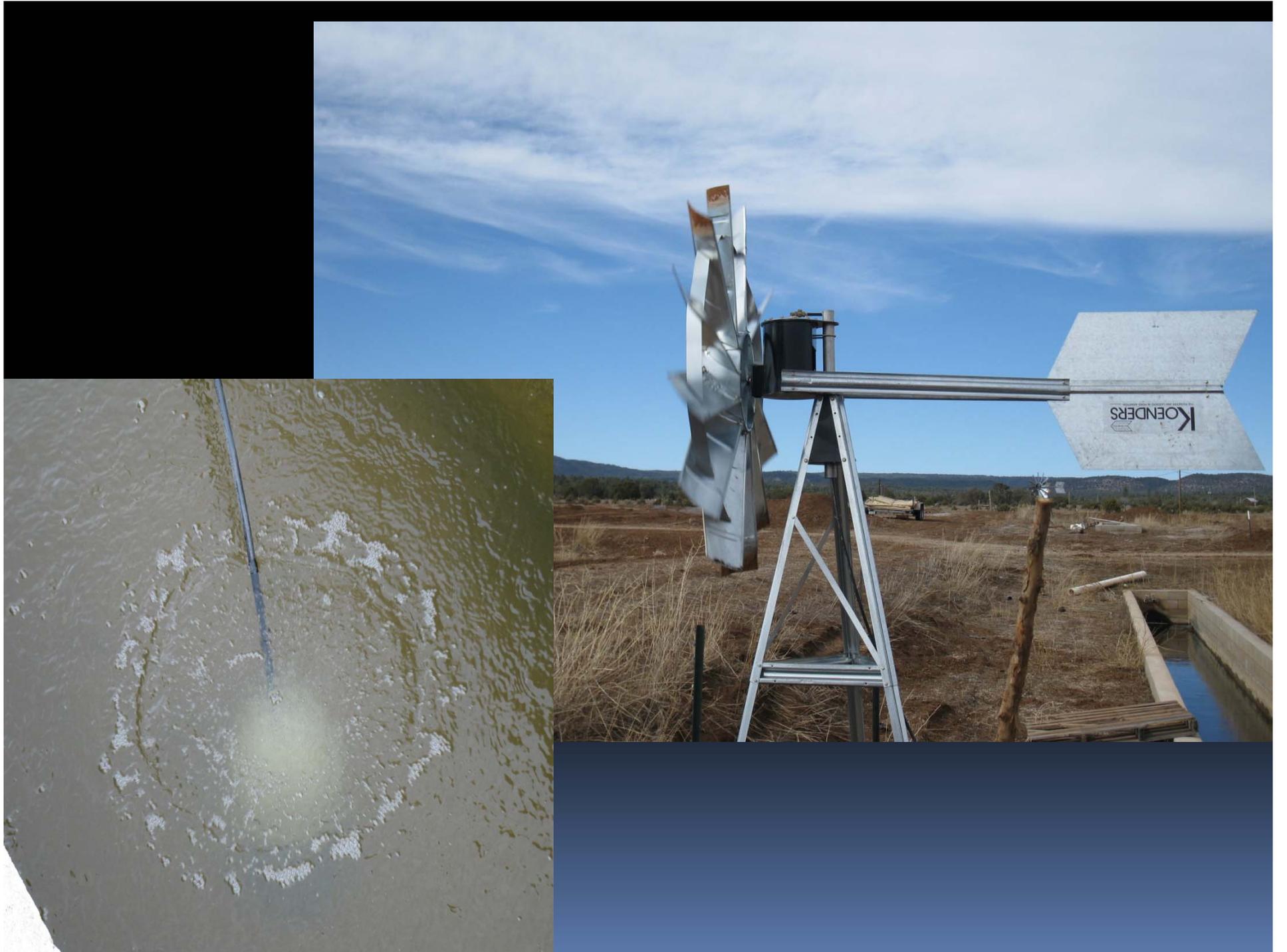


***21KW**

***For use during times of no electricity**







FISH DATA (Non-intensive Rearing of Fish)

- ▶ 2000 Received ~2,000 3" – 5" and distributed equally to two ponds.
- ▶ 6/2003 Sampled one pond. Fish lengths average 310mm and average weight 280.
- ▶ 2/2006 Received ~5,000 juvenile razorbacks ranging between 3"-6". Distributed equally to ponds #3 and #4.
- ▶ 10/2008 Removed more than 500 razorbacks from pond #8 and taken to Bubbling Ponds for Conditioning and study. Fish average length was 320 mm.
- ▶ 2/2012 USFWS Parker office removed remaining to stock into back waters of Lake Havasu Lake. Average fish length 450 mm.

MAR 13 2002





Future of Hualapai Tribe Native Fish Rearing Facility

Based on data collected and validated information the facility is capable of rearing 2500 fish annually with a growth rate of 30 -50 mm a year.

Cost for 1 Full Time Employee. \$45,000 a year

Cost to for pond Maintenance

Total ~~\$20,000~~
\$65,000