

KING AND QUEEN STATE FISH HATCHERY



VISITORS WELCOME 8:00 AM - 3:30 PM
CLOSED ON WEEKENDS

This Facility May Be Closed to Private Hunters,
Anglers, Swimmers and Wildlife Enthusiasts



WATER QUALITY MONITORING
The hatchery is a water quality monitoring station for the Mississippi River. The hatchery is located on the Mississippi River, and the water quality is monitored by the Mississippi Department of Wildlife, Fisheries, and Forestry. The hatchery is a water quality monitoring station for the Mississippi River, and the water quality is monitored by the Mississippi Department of Wildlife, Fisheries, and Forestry.



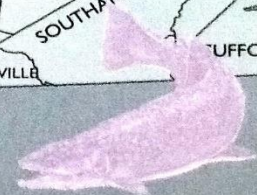
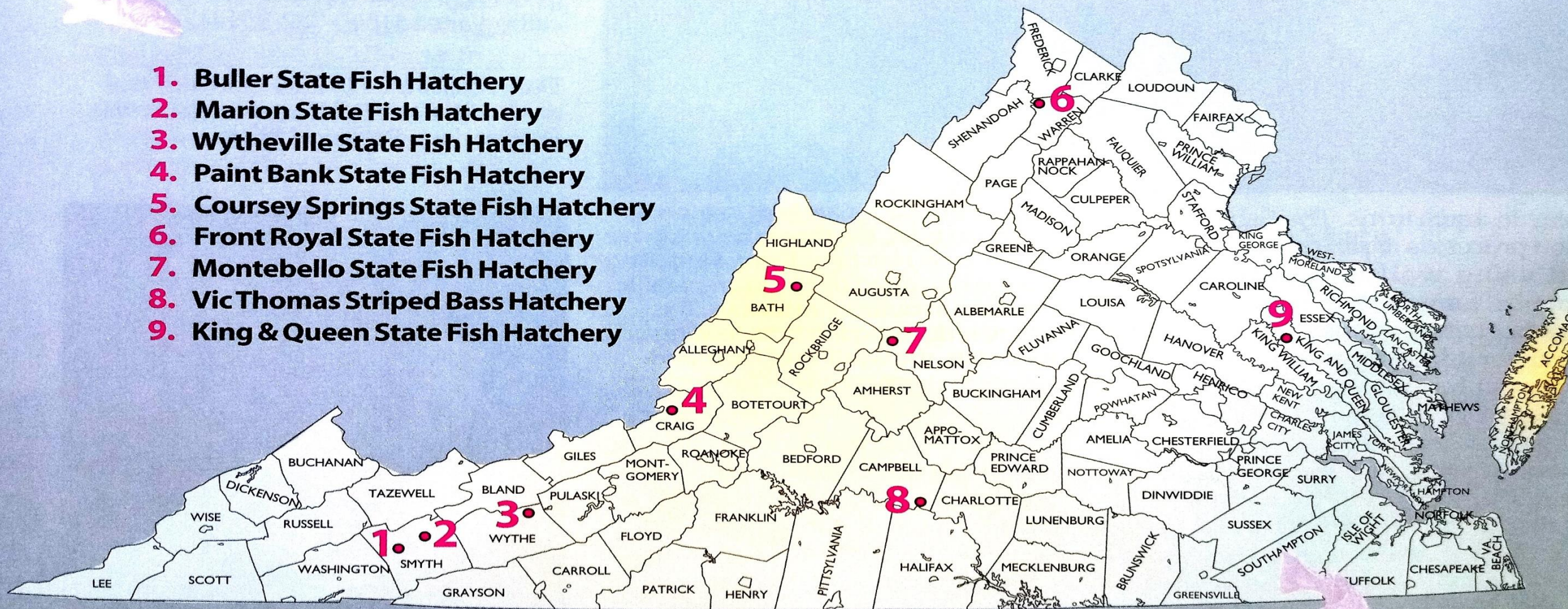
Market Swamp

Market Swamp



VDGIF Fish Hatcheries

1. Buller State Fish Hatchery
2. Marion State Fish Hatchery
3. Wytheville State Fish Hatchery
4. Paint Bank State Fish Hatchery
5. Coursey Springs State Fish Hatchery
6. Front Royal State Fish Hatchery
7. Montebello State Fish Hatchery
8. Vic Thomas Striped Bass Hatchery
9. King & Queen State Fish Hatchery



Species of Sport Fish Hatched and/or Raised Recently At Each Game Department Hatchery

Species

Hatchery

	King & Queen	Front Royal	Vic Thomas	Buller	Montebello	Coursey Springs	Paint Bank	Wytheville	Marion
Bass, largemouth									
Bass, smallmouth									
Bass, striped									
Bluegill									
Chain pickerel									
Muskellunge									
Northern pike									
Shad, American									
Sunfish, redear									
Trout, brook									
Trout, brown									
Trout, rainbow									
Walleye									



VDGIF Fish Hatcheries

Fish Stocking is a Management Tool



Fish stocking is a management tool used to:

- ▶ establish sportfish in new, reclaimed, or renovated waters open to public fishing;
- ▶ supplement natural stocks where reproduction is inadequate;
- ▶ introduce new species as predators and/or to provide a trophy fishery;
- ▶ and provide immediate fishing by introducing catchable size fish.

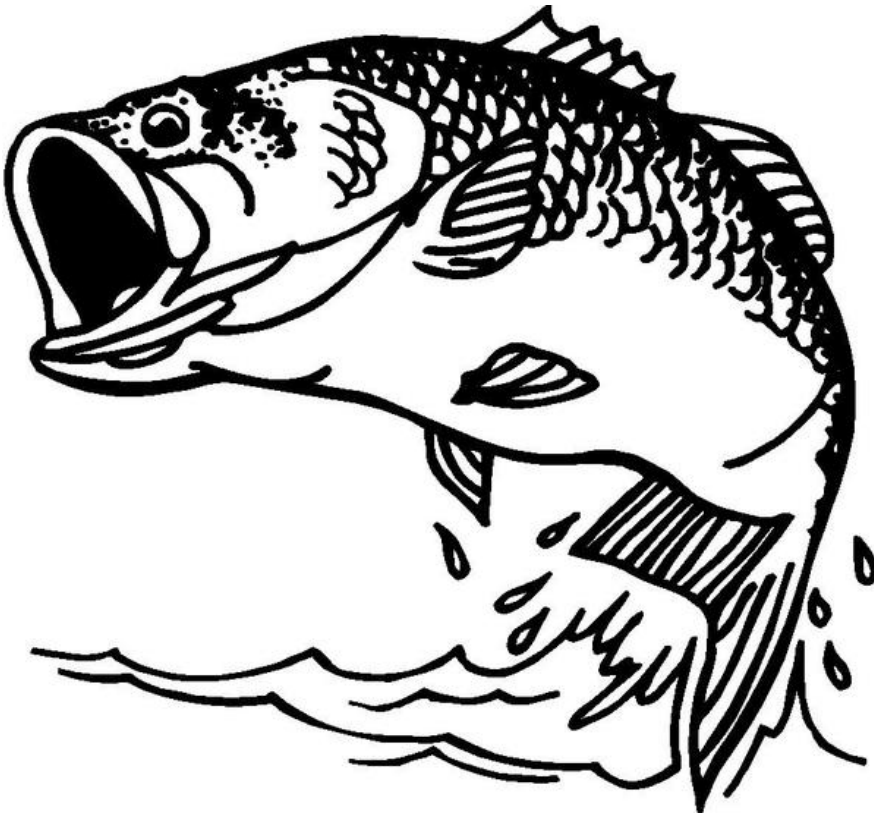
COLD Water Production Numbers :

- ▶ The Department's coldwater hatcheries annually stocks over 1.2 million catchable-size trout in more than 180 waters (stream sections and lakes) from October to June

KQFH Fish Production

- ▶ When originally built, the facilities main target species was largemouth bass.
- ▶ It played a major role in striped bass restoration in the 1980's,
- ▶ and American shad in the 1990's.
- ▶ It also produced catfish every Summer/Fall for decades, in recent years we have purchased and stocked out Channel Catfish in the Spring & Fall.
- ▶ For the last dozen years or so, the types of fish most often requisitioned of the facility are; two strains of striped bass, walleye/saugeye, bluegill & redear sunfish, crappie, and fathead minnows.

KQFH Warm Water Annual Stocking and Production 2017 Numbers



- ▶ Walleye (WAE) / Saugeye
 - ▶ 244,098 fingerling
- ▶ Chesapeake Anadromous Striped Bass
 - ▶ 860,509 fingerling
- ▶ Roanoke Freshwater Striped Bass
 - ▶ 265,778 fingerling
- ▶ Bluegill (BG)
 - ▶ 379,054 fingerling
- ▶ Redear (RE)
 - ▶ 1,275 fingerling
- ▶ Fat head minnows (FHM) [not requisitioned]
 - ▶ 1885.2 lbs of clean FHM.

In 2017, KQFH trucks logged 21,870 miles ...
11,154 miles on trucks that distribute or
transfer fish.



Water Pump

Oxygen
Tanks

Brood Stock Collection



Brood Stock Collection





Shad Bldg Striper Bldg

Office & Shops

Striped Bass & Saugeye brood stock are transported to the hatchery for spawning

Striper Brood

James River



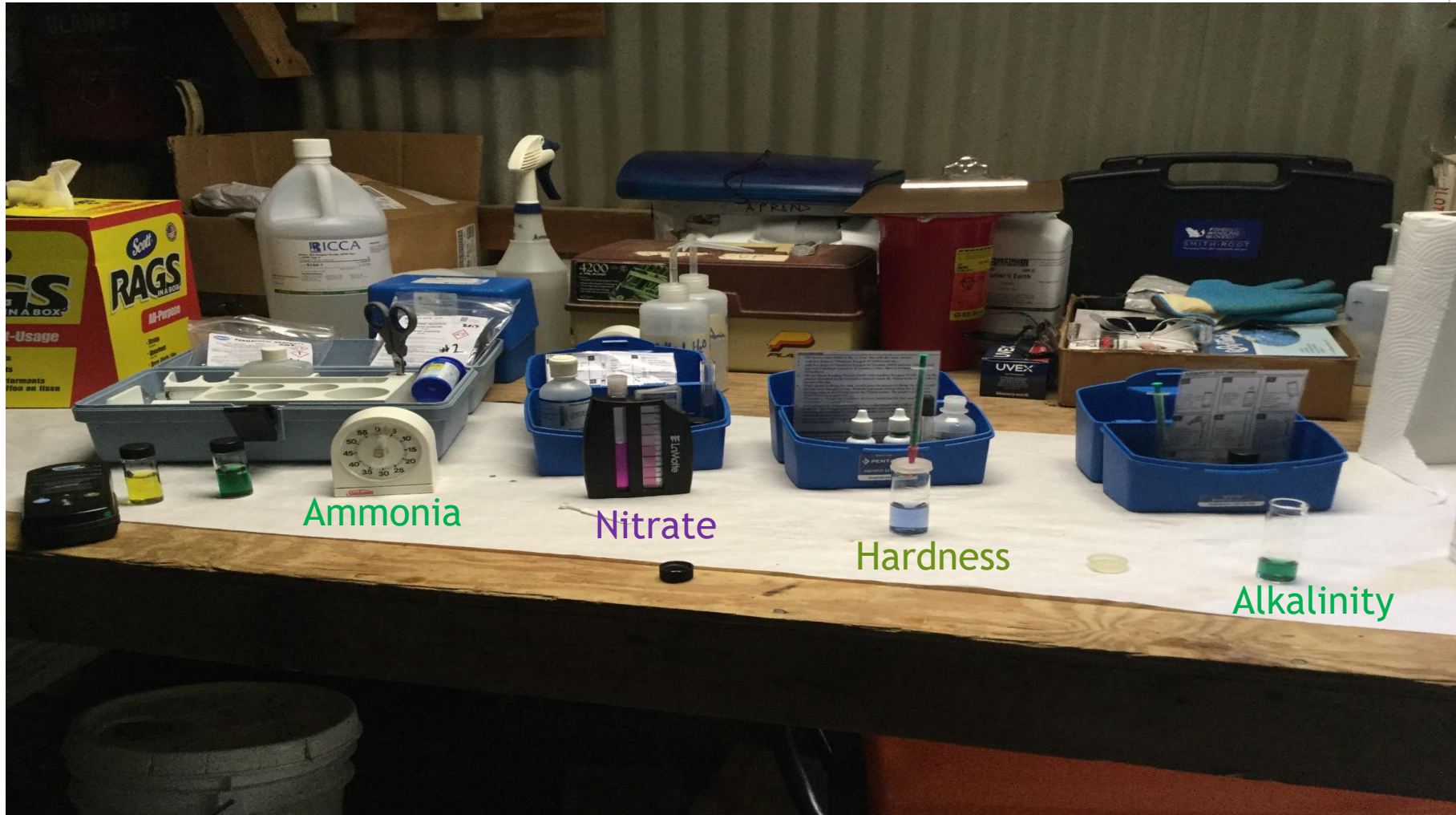
Striper Bldg





Recirculating Aquaculture System

Water Chemistry Testing





Striped Bass Eggs!



Egg Siphoning

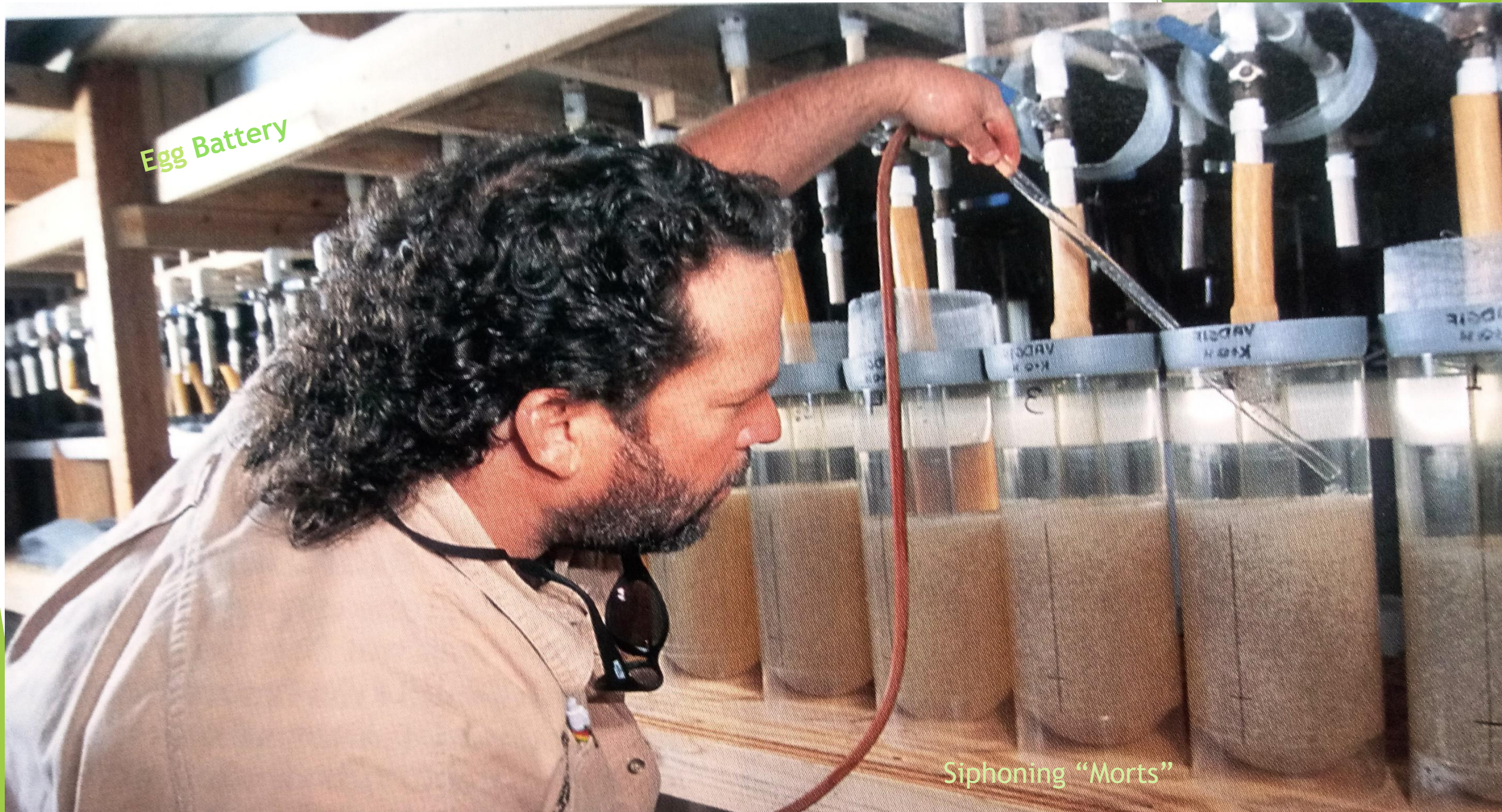






Egg Battery

Siphoning "Morts"



Egg Incubation & Hatch



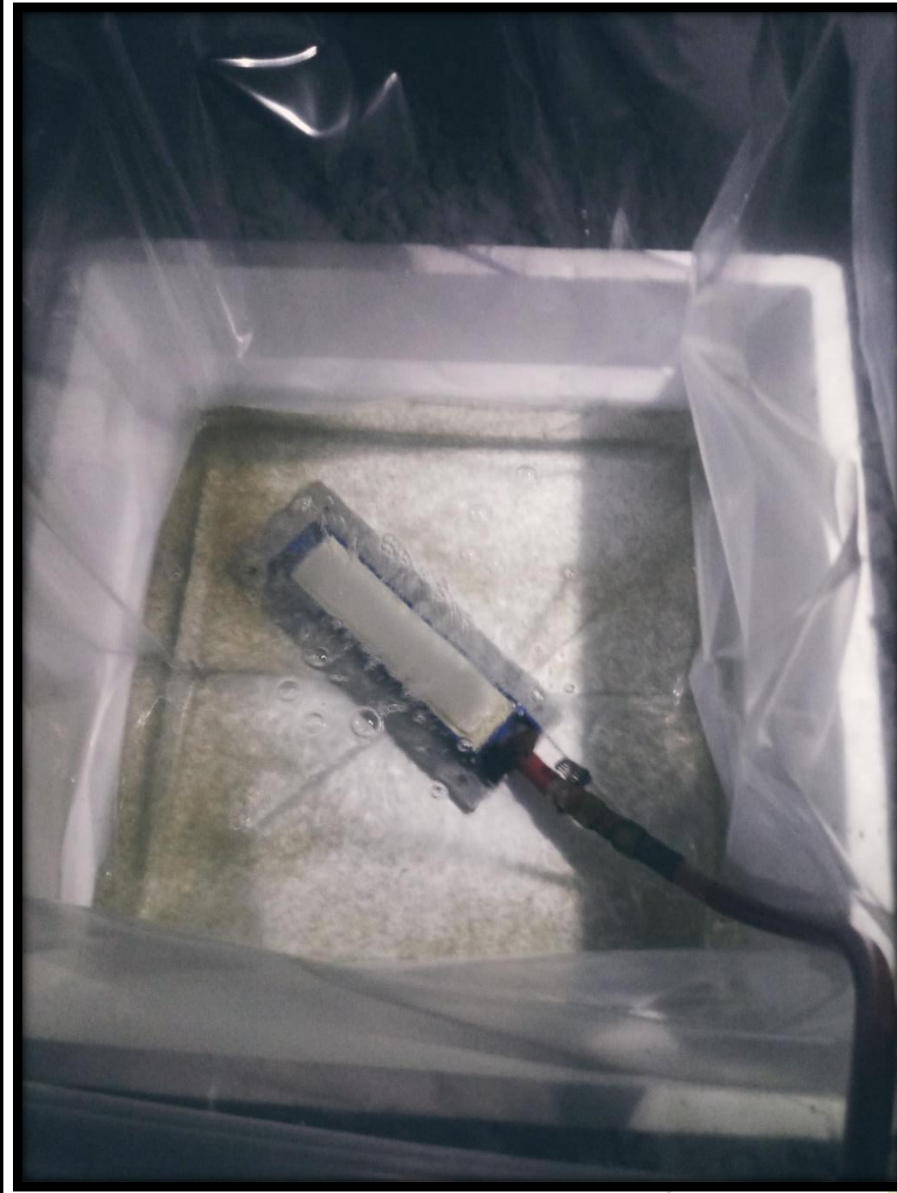
First Rod & Reel Striper !!

Larval Walleye in a Trough





How We Know They're Ready



Ready for Pond Life!







Pond Monitoring



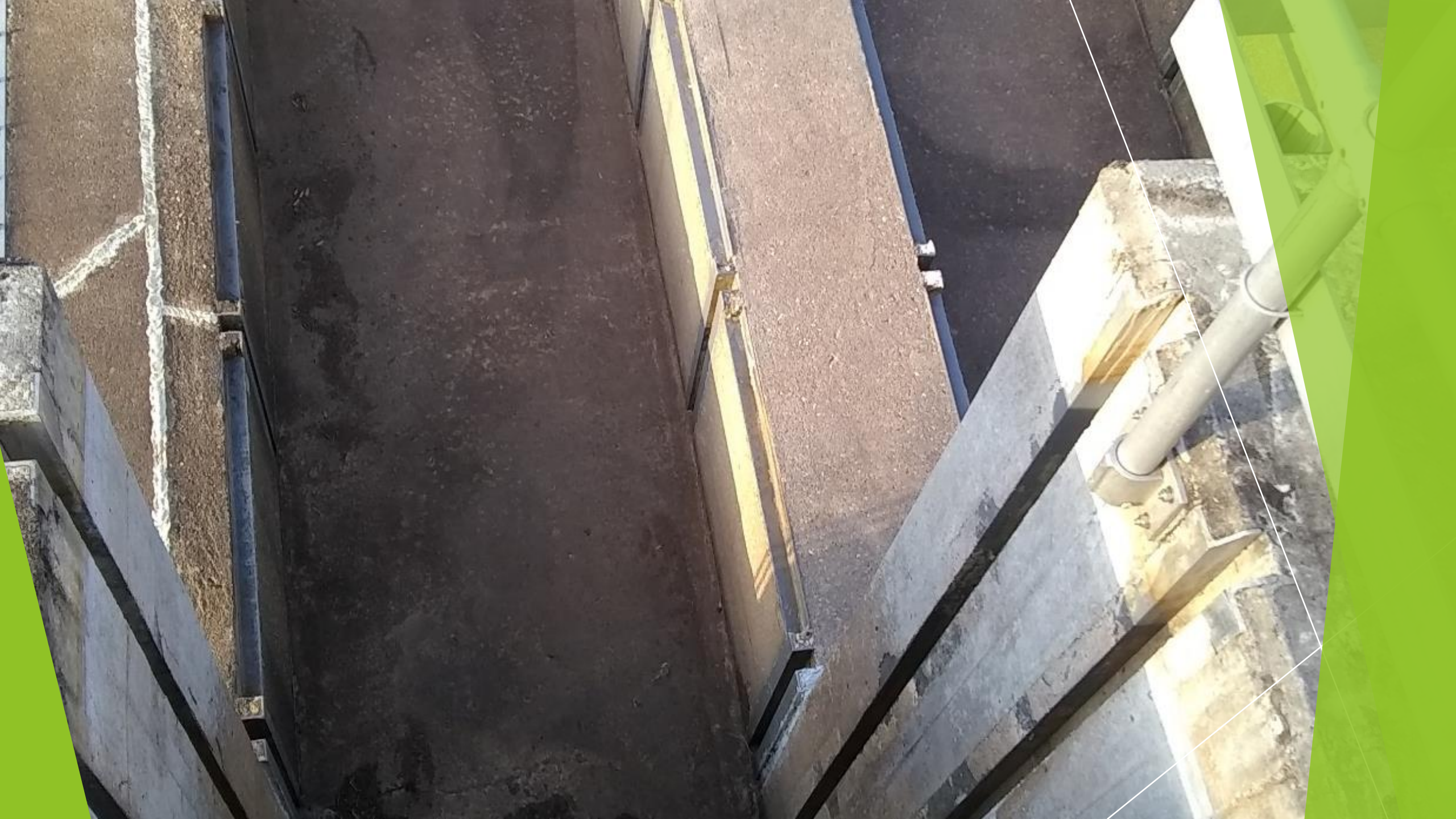


Feeding



Rotating Drum Filter at Intake







After Harvesting, Fry Are Enumerated,
Loaded on Trucks, & Transported

Pelagic Stocking



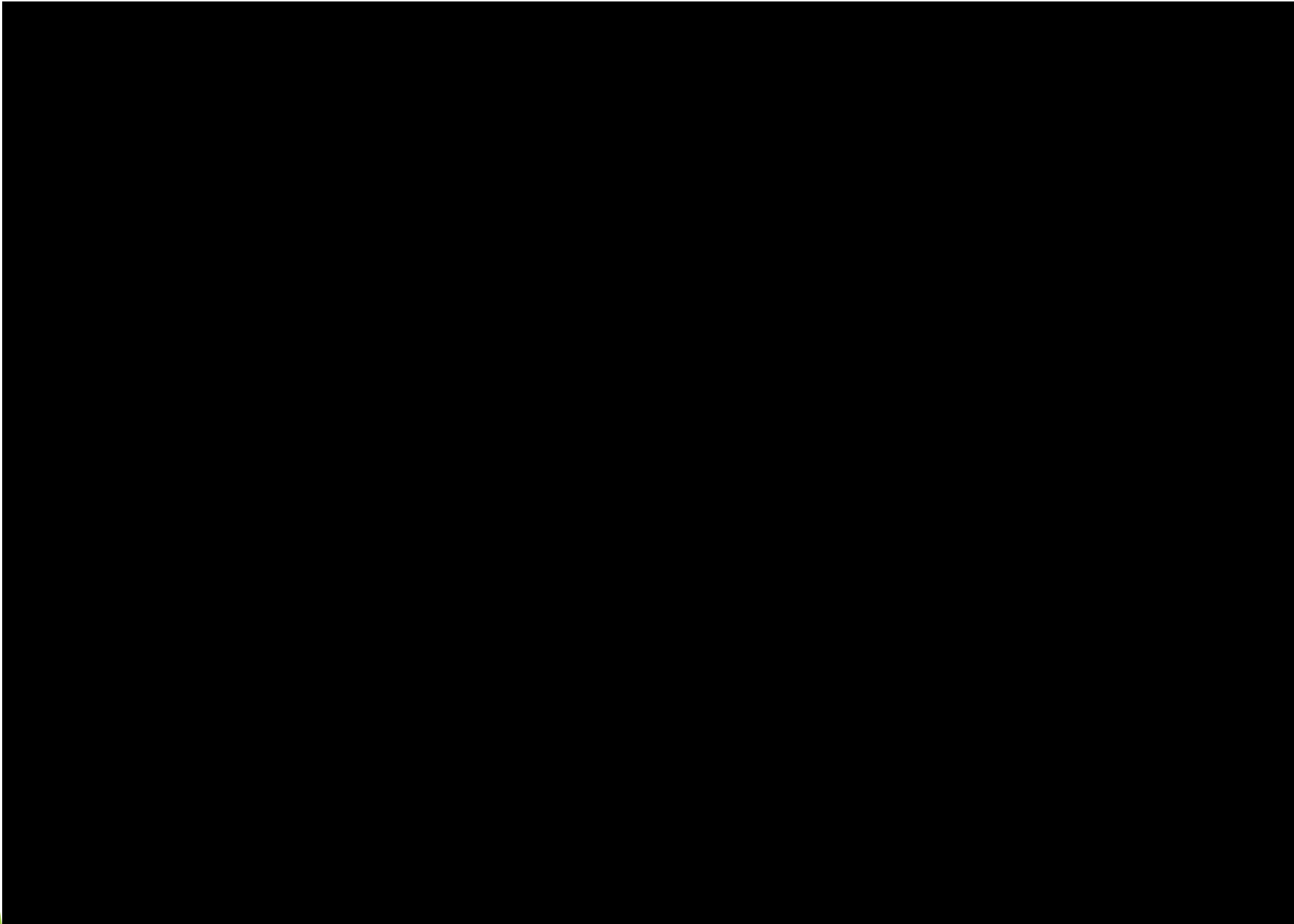
Stocking





Stocking Channel Catfish

KQFH 2017 Video:



Happy Fishing!







1st Rod & Reel Striper!!!



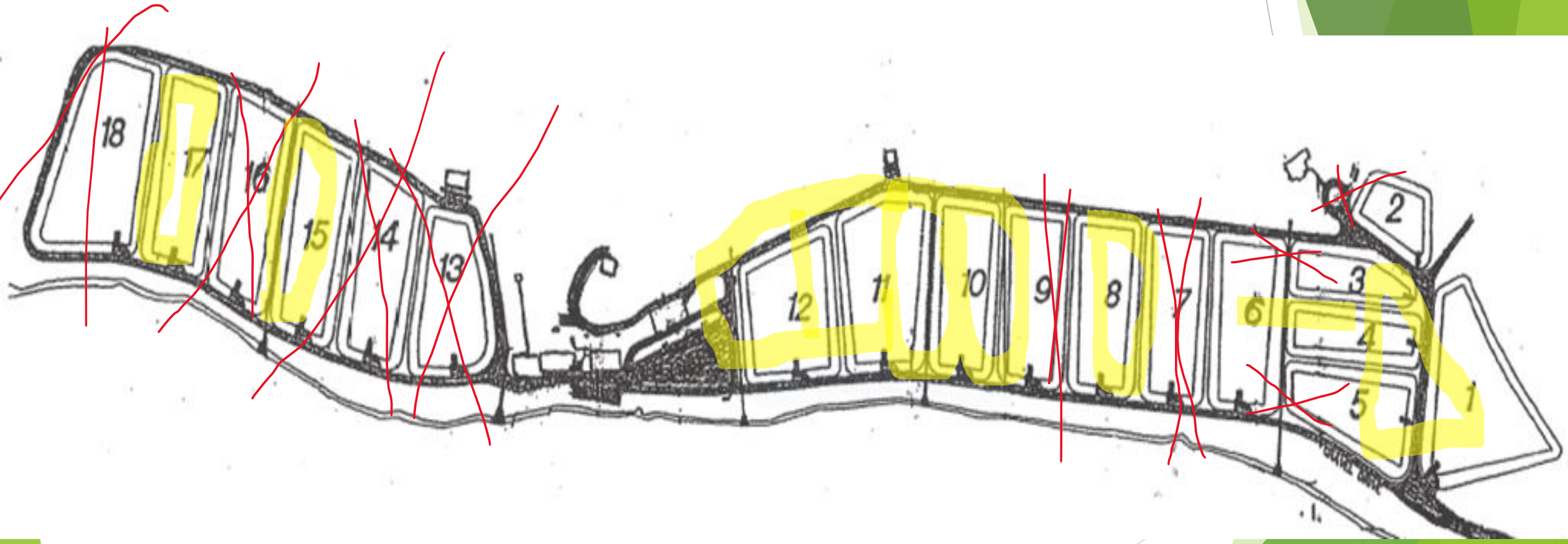
Agency Hatchery Videos are on our website
and I'm really proud of Outreach!!

▶ VDWR K&Q Fish Hatchery
Video

The background features abstract, overlapping green geometric shapes, primarily triangles and polygons, in various shades of green, creating a modern and dynamic visual effect. The shapes are layered, with some appearing more prominent than others, and they extend towards the corners of the frame.

Questions?

Current KQFH Pond Space



Using Shad Bldg Tanks for Rearing

- ▶ We have nineteen 3ft tanks in the Shad building!!!
- ▶ We are losing pond space faster than it is being replaced (deferred maintenance...)
- ▶ UWSP raises WAE in 3ft tanks!
- ▶ What can we raise in 3ft tanks??
 - ▶ WAE/SAE:
 - ▶ On season
 - ▶ Off season
 - ▶ Back Bay LMB?
 - ▶ T/E Species/ Finfish that host mussels?



As the budget has tightened more and more maintenance has been deferred

- ▶ Pond liners
- ▶ Each pond has 2 Kennedy Valves
- ▶ We have approximately 55 valves of the same age
 - ▶ A 12" Kennedy valve can cost around 4500\$, not including installation, valve stems and valve vaults
- ▶ Pipeline cleaning: we might have iron bacteria or a red algae issue from the source water who hired a lake management company several years back
 - ▶ Pigging?
 - ▶ Chemical cleaning
- ▶ Leaking roofs (standing in line until someday to replace roofs...)