

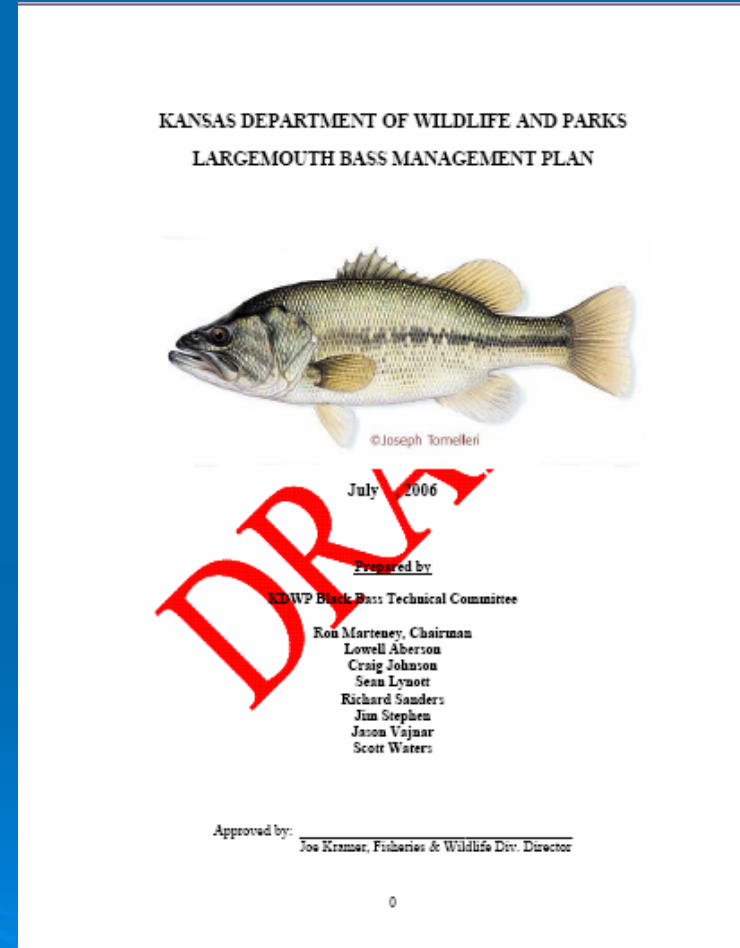


2007 KDWP UPDATE

Kansas Bass Chapter Federation
A Federation Nation

Bass Management Plan

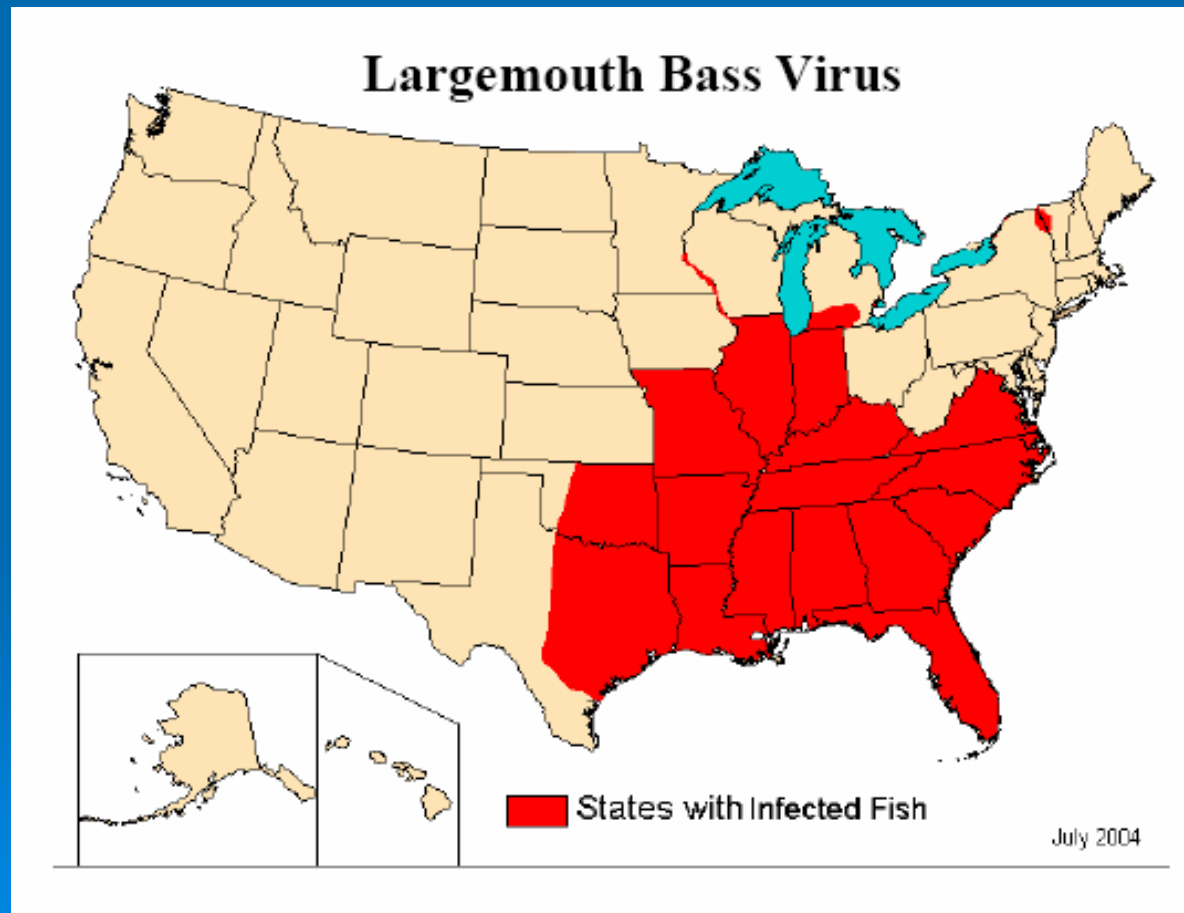
- Staff is working on a plan that should be completed this year
 - Use the best science available
 - Capture institutional knowledge of staff
 - Explain to the public how and why we manage bass as we do



Potential Conservation Projects

- Hillsdale
 - Water Willow plantings at
 - Brushpiles at Hillsdale and other area lakes
- Milford Reservoir
 - National Hunting and Fishing Day Event
 - Funding for fishing location brochure
 - Brushpile work
 - Free fishing weekend clinic help
- List of Biologists' contact information

Largemouth Bass Virus Monitoring



Largemouth Bass Virus Monitoring

- KDWP will sample fish in lakes and streams in 2007
- Samples to be sent to Bozeman Fish Health Lab (Fish and Wildlife Service)
- Hatchery broodstock will be tested as well



LMBV

MANAGEMENT/PREVENTION:

You can reduce the likelihood of spreading this disease if you follow a few simple guidelines:

- Dispose of all unused bait in the trash or on land, never into the water.
- Never transfer live fish from one body of water to another.
- Never discard fish entrails or skeletal parts in a body of water.
- Rinse any mud and/or debris from equipment and wading gear and drain any water from boats before leaving the launch area. Remember that LMBV can live for seven days in water so this step is important.
- Handle bass gently if you intend to release them.
- Stage fishing tournaments in cooler weather to reduce stress on caught bass.
- If you see any dead or dying fish, report your observation to the district fisheries biologist so that they may be tested for the virus.

Hatchery Update

Milford

- Fingerling training to take artificial diet



Pratt Hatchery

- Smallmouth Bass Broodstock

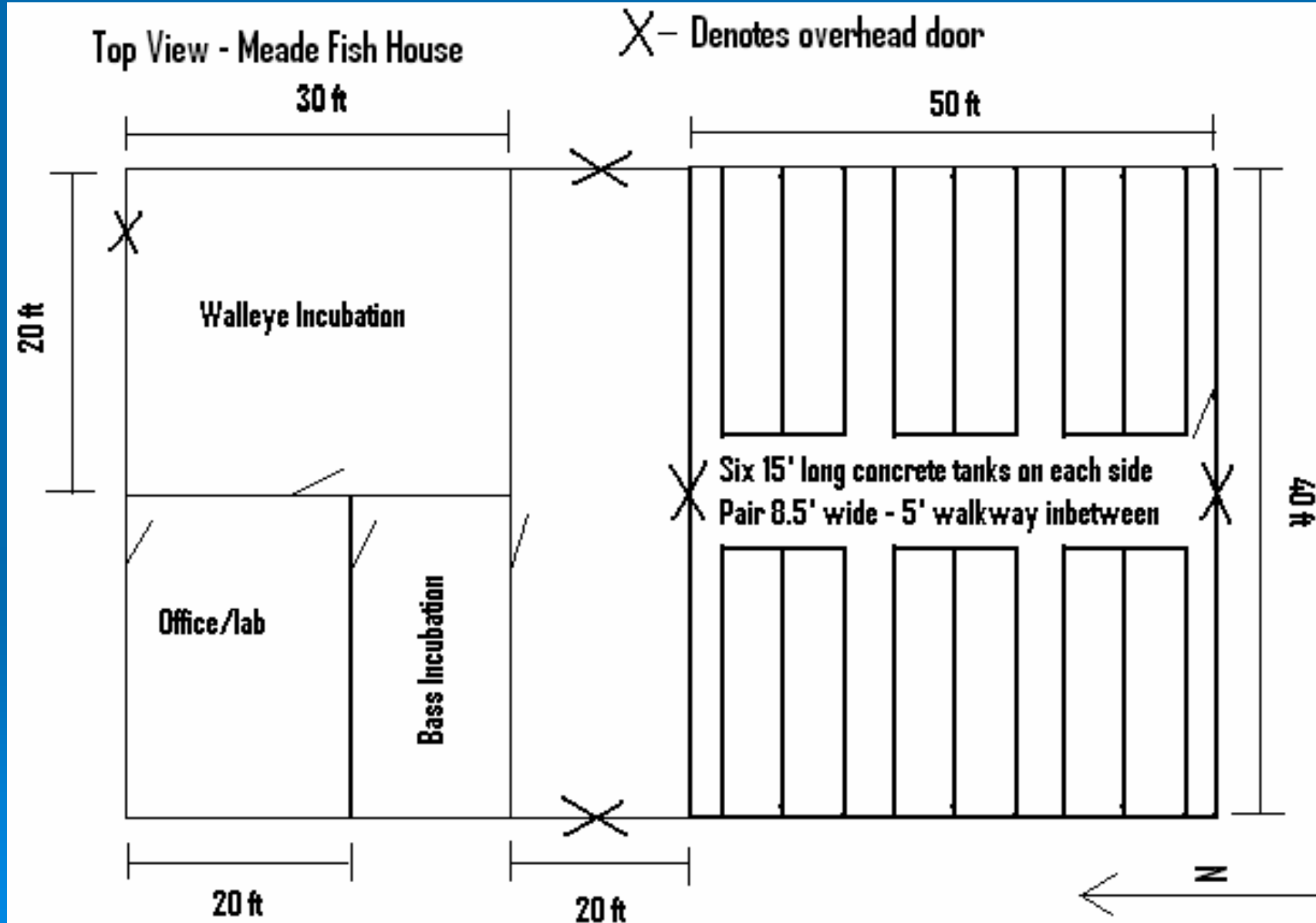
Meade Hatchery

- Largemouth Bass Broodstock
- Smallmouth Bass Broodstock

Meade Hatchery

- Governor's budget includes a new climate controlled indoor spawning facility
 - Will include 12 raceways for bass spawning
 - Includes an incubation room where bass eggs adhered to "spawn mats" will hatch
 - Includes lab and office for hatchery staff
 - Triploid production equipment
 - Pressure chambers
 - Coulter Counter

Building Top View



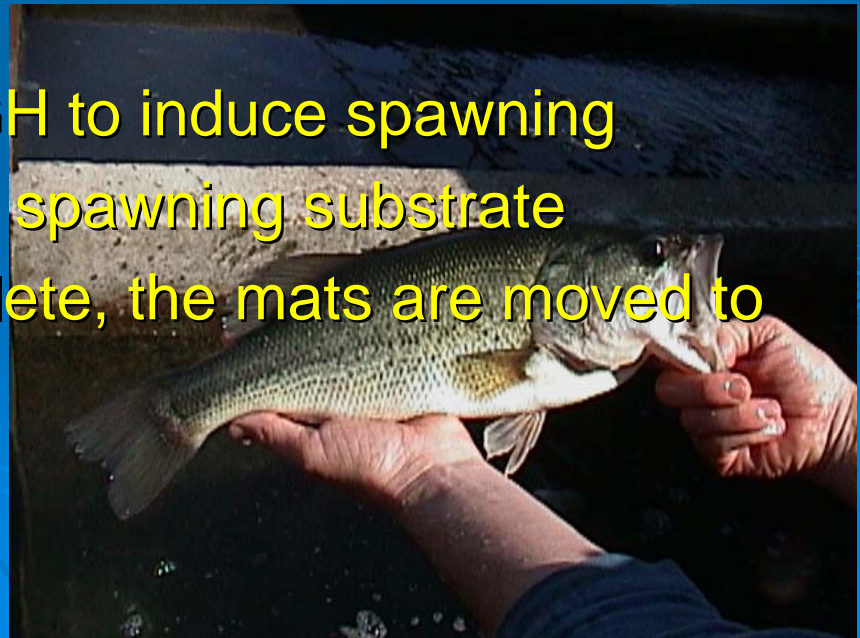
Why Spawn Inside?

- Outside pond spawning is dependent on weather and the spawning is spread out over too long a period causing wide variation of size at harvest.
- Will allow early spawning of largemouth bass for an experimental supplemental stocking program in Kansas reservoirs.
- Will be able to stock hatchery bass in the wild about 3 weeks earlier than earliest wild spawn



Raceway Spawning

- Each raceway is divided into 3 spawning compartments for a single female and males
 - Will be able to spawn 36 females/round
 - Should yield about 300,000 eggs/round
- Water temperature and length of daylight will be artificially controlled.
- Fish are injected with HGH to induce spawning
- Fish are provide mats for spawning substrate
- Once the spawn is complete, the mats are moved to the incubation room.



Triploid Bass?

- Have 3 set of chromosomes not 2
- Are functionally sterile



Pressure Chamber

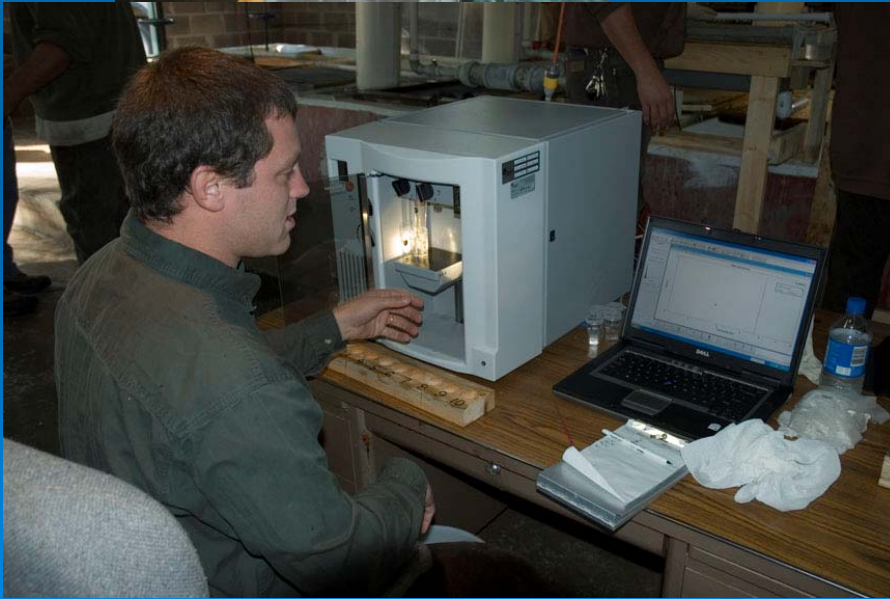
Fertilized eggs are placed in the chamber

Up to 10,000 psi pressure is applied for a prescribed period

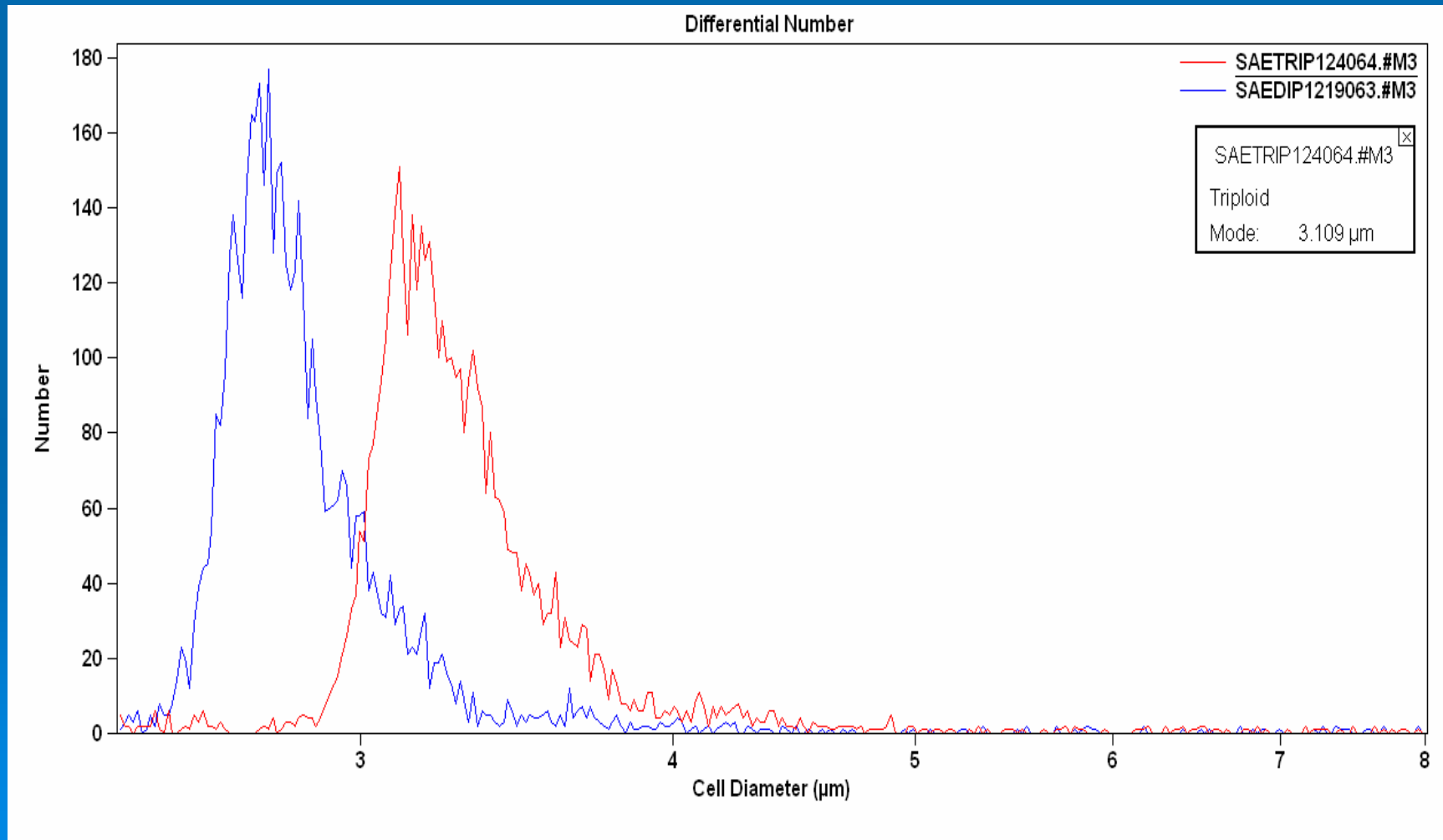
The eggs are removed and hatched



How to ID a Triploid

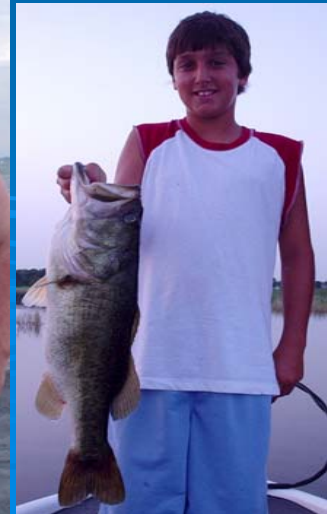
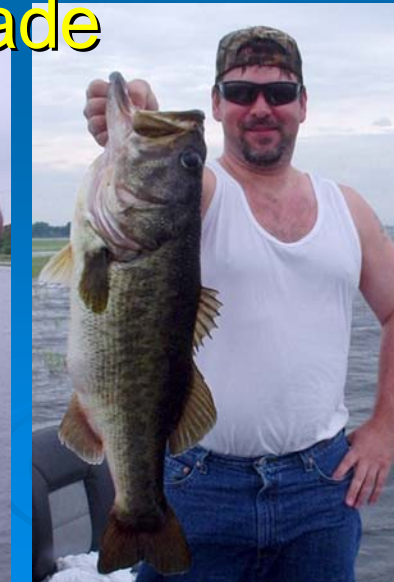
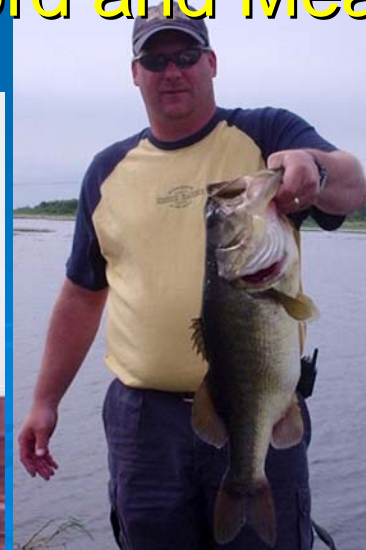


Triploid Determination



Triploid Florida Hybrids

- Experimental program to provide select locations with trophy bass potential
- Protect the genetic integrity of our native northern largemouth bass
- We don't know if it will work
- Stock into La Cygne, Critzer Reservoir, Coffey Co. Lake
- Will attempt at Milford and Meade



Bass Pass Program

- Jessica Mounts will present

