

BETWEEN
AMERICAN WHITE PELICAN
AND
YELLOWSTONE CUTTHROAT TROUT

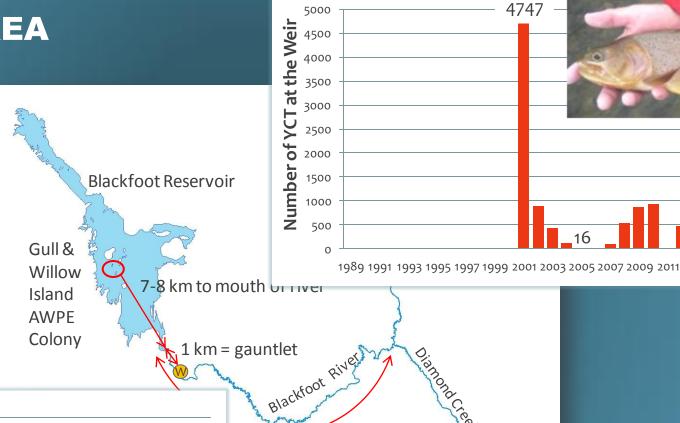
Dan Schill & David Teuscher Idaho Dept. of Fish & Game

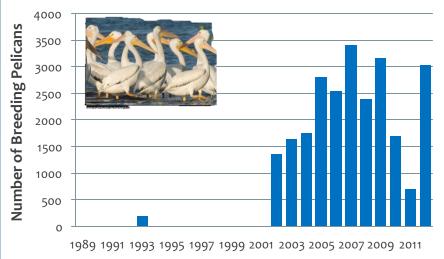
BACKGROUND



- Blackfoot reservoir constructed in 1912
- No AWPE colony on Gull Island prior to that date
- Predator removal from Gull Island in 1991-92
- First successful chick production in 1993
- Diet studies and bioenergetics suggest extensive salmonid use
- Blackfoot R YCT stock is one of the "Big 3"
- Unusually rich YCT dataset since late 1950's
- Intense YCT fishery (humans) in the 1950's to early 80's resulted in overexploitation and collapse
- Catch & release regulations (river & res.) since late 1980's = stock recovery

STUDY AREA

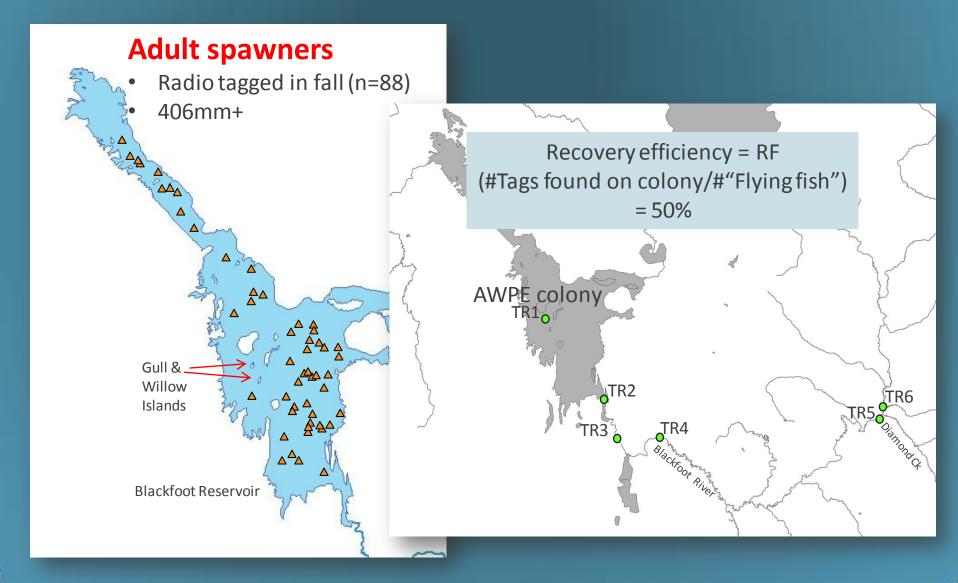




57 km to confluence

TOTAL ADULT YCT PREDATION RATE ESTIMATES

Corrected for off-colony tag deposition 2010 & 2011 (IDFG & Idaho State University)



TOTAL JUVENILE YCT PREDATION RATE ESTIMATES

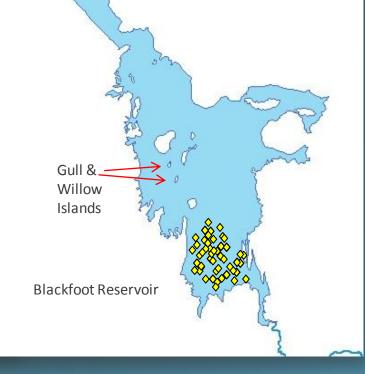
Also corrected for off-colony tag deposition



Recovery efficiency = Feed the birds

PIT-tagged live suckers/chubs (n=233)

- Air inflation
- Fed to colony birds
- What % recovered on island?



YCT TOTAL PREDATION RATES



2010 & 2011

- Juveniles 36-71%
- Adults 28-49%
- No gauntlet

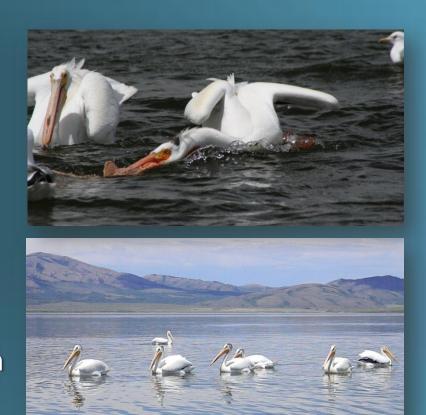




2002 to 2005 pred rate with gauntlet???

MANAGEMENT ACTIONS

- 2010 badgers & skunks introduced onto Gull Island
- 2010-12 fencing of % nesting habitat
- Spring 2012 USFWS depredation permit for egg oiling
 - Oiled 429 nests (28% of total)



IDFG remains dedicated to balanced management

"Experience vs. evidence based science" Machado 2009