

Lake Powell Update

August 2022

Accomplishments

- Gillnets: 9 nights, 6 nets per night, 411 fish sampled
- Minnow traps: 9 nights, 12 traps per night, 205 fish sampled
- Temperature and dissolved oxygen profiles
- Ichthyoplankton tows
- Installation of 10 station submersible ultrasonic receiver (SUR) network
- Began ultrasonic tag implantation

Challenges

- Implanted only one fish with ultrasonic tag
- Sensor Fish deployment through GCD postponed





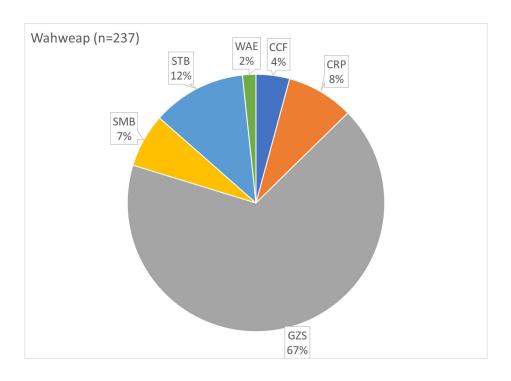


Study focuses on area near GCD Regions:

- 1. Forebay
- 2. Confluence
- 3. Wahweap



31 Jul – 2 Aug gillnet catch data: Wahweap species and depth



WAE = Walleye

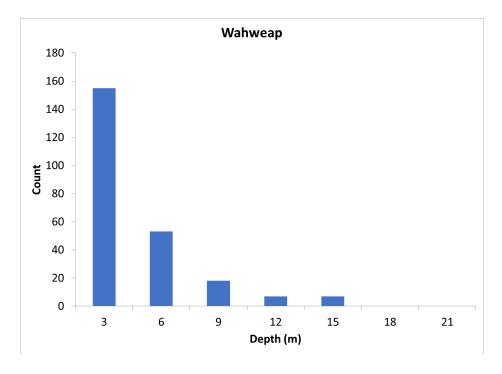
CCF = Channel Catfish

CRP = Common Carp

GZS = Gizzard Shad

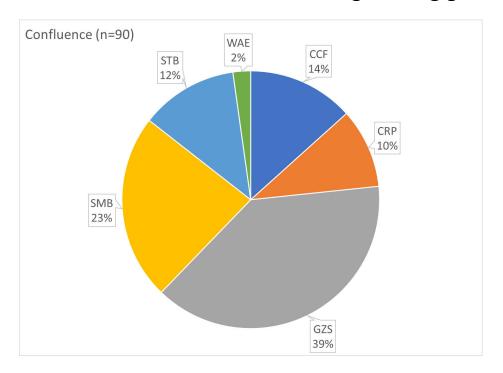
SMB = Smallmouth Bass

STB = Striped Bass





3 Aug – 5 Aug gillnet catch data: Confluence species and depth



WAE = Walleye

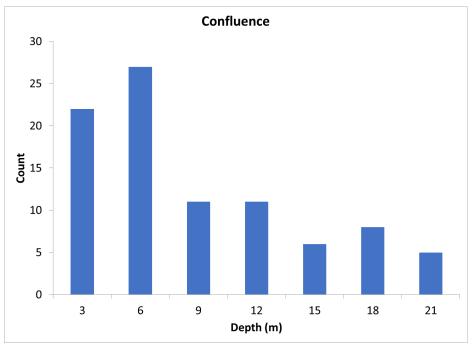
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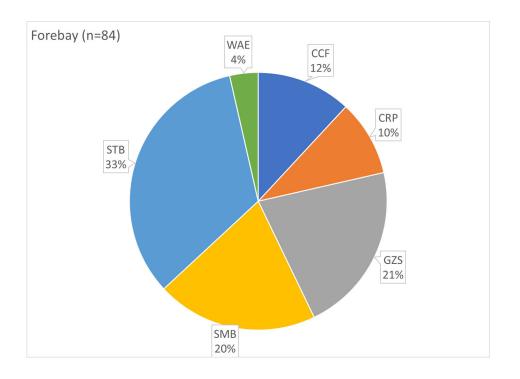
SMB = Smallmouth Bass

STB = Striped Bass





6 Aug – 8 Aug gillnet catch data: Forebay species and depth



WAE = Walleye

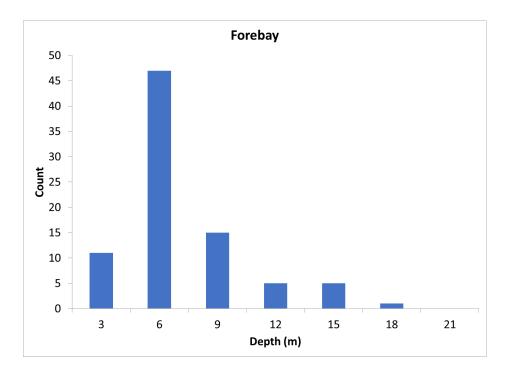
CCF = Channel Catfish

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GZS = Gizzard Shad

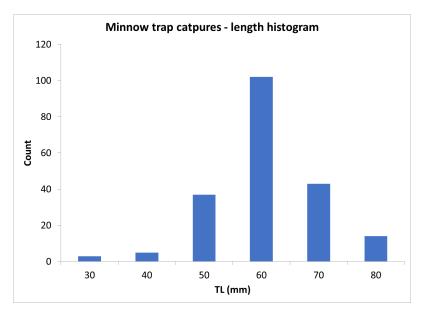
SMB = Smallmouth Bass

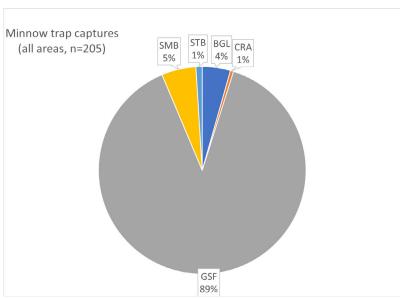
STB = Striped Bass





31 Jul – 8 Aug minnow trap sampling: size and species





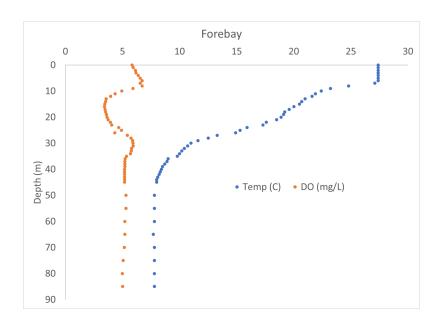


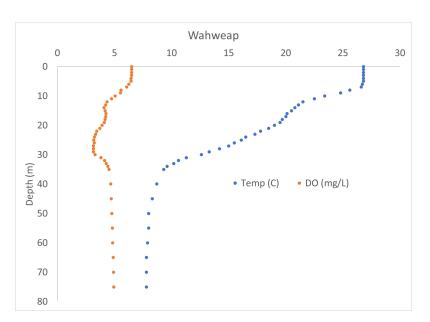


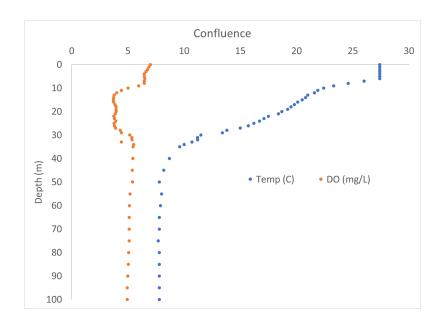
Observations:

- Capturing additional species compared to June
- Green Sunfish still predominant
- Average size has increased since early summer (51 mm to 57 mm)

Temp & DO profiles: 31 July 2022









Observations:

- Epilimnion is formed, extending down to about 30 m
- Top of penstock intake at 18.4 m depth
- Low DO in a zone at 10-25 m depth
- Generally low DO, compared to earlier seasons

