



# Invasive Species Threats: Green Sunfish

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# Green Sunfish in Glen Canyon



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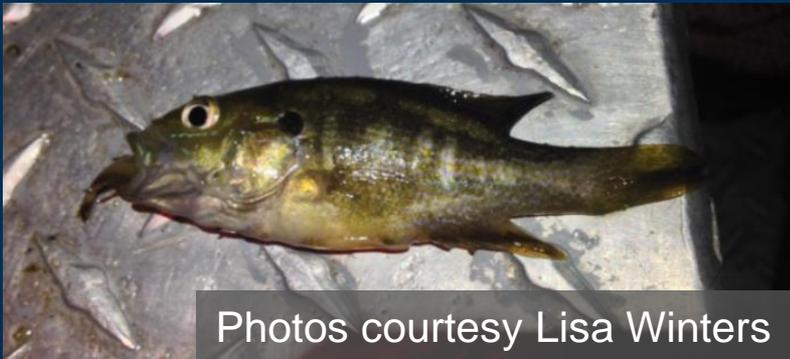


# Green Sunfish in Glen Canyon

- July 6 – AZG&FD capture 43 Green Sunfish at -12 mile in Glen Canyon
- August 4 – Call with biologists from AZG&FD, NPS, Reclamation, and USGS-GCMRC
- August 5-6 – NPS approval granted & request to take action sent to Reclamation, DOI, NPS, USFWS and AZG&FD
- August 7 – Notification sent to Tribes
- August 12-14 – First removal effort by AZG&FD, NPS, and USGS-GCMRC biologists

# Green Sunfish in Glen Canyon

- 1<sup>st</sup> Removal Effort (August 12-13, 2015)
- 954 Green Sunfish removed
  - Electrofishing
    - Boat – 689 [4 passes: 70, 168, 330, 121 (partial)]
    - Backpack – 233 (1 pass)
  - Hoop nets – 32 (2 sets of 22 baited nets)
- Captured fish preserved for beneficial use
  - To be delivered to the Pueblo of Zuni eagle aviary



# Green Sunfish in Glen Canyon

- August 24 – Call with biologists from AZG&FD, NPS, Reclamation, and USGS-GCMRC
- August 25 – Notification sent to Tribes and others
- August 27-28 – Second removal effort



Photos courtesy Lisa Winters

# Green Sunfish in Glen Canyon

- 2nd Removal Effort (August 27- 28, 2015)
- 2574 Green Sunfish removed
  - Electrofishing
    - Boat – 672 [7 passes: 106,194,160,59,40,50,63)
    - Backpack – 354 (4 pass: 184,100,139,115)
  - Seine – 1364 (5 passes: 231, 209, 706,205,13)
    - Seining was difficult because of large amounts of vegetation and the small size of the fish
- Captured fish again preserved for beneficial use at the Pueblo of Zuni eagle aviary



# Green Sunfish in Glen Canyon

- September 11 & 25 – Calls with biologists from AZG&FD, NPS, Reclamation, USFWS, and USGS-GCMRC
- September 30 – Risk assessment distributed
- October 6 - Net barrier placed at mouth of slough by NPS and AZGFD personnel
- October 27-29 – Salvage operation planned for Common Carp and Flannelmouth Suckers
- Planned dates for treatments Nov. 4 and 14