Nevada Department of Wildlife

Lake Mohave Habitat Enhancement Project

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2017 C.R.A.B. Meeting

2016 Accomplishments

- Electrofishing was completed in 2 habitat coves and 1 non-habitat cove
- 18 SCUBA surveys were completed in Jan-Feb, Apr- Sept.
- Placed 11 PVC structures
  - Total To Date
    - 125 PVC structures
    - 201 assorted brush bundles
    - 88 pallet and brush A-frames
    - 24 pallet structures
    - 24 poly shrubs
    - 25 loads of Christmas trees (~625 trees)

Lake Mohave Habitat Enhancement

- Electrofishing
  - Completed in the fall when water elevation is low
- SCUBA Surveys
  - Habitat coves (experimental)- As each habitat is encountered: record habitat type, depth, time, and classify fish.
  - Non-habitat coves (control)- Swim in a zig-zag pattern between contours 635’ and 620’ elevations, record time, and classify fish
- Fish Classifications
  - Black bass are divided up as fry, fingerling, juvenile, and adult
  - Native fish are recorded as juvenile or adult
  - All other fish are recorded to species.
- Habitat Coves
  - Solicitor, Bass, Box, Carp, Princess, Prospect, Shoshone, and Arrowhead

Artificial Habitat Types

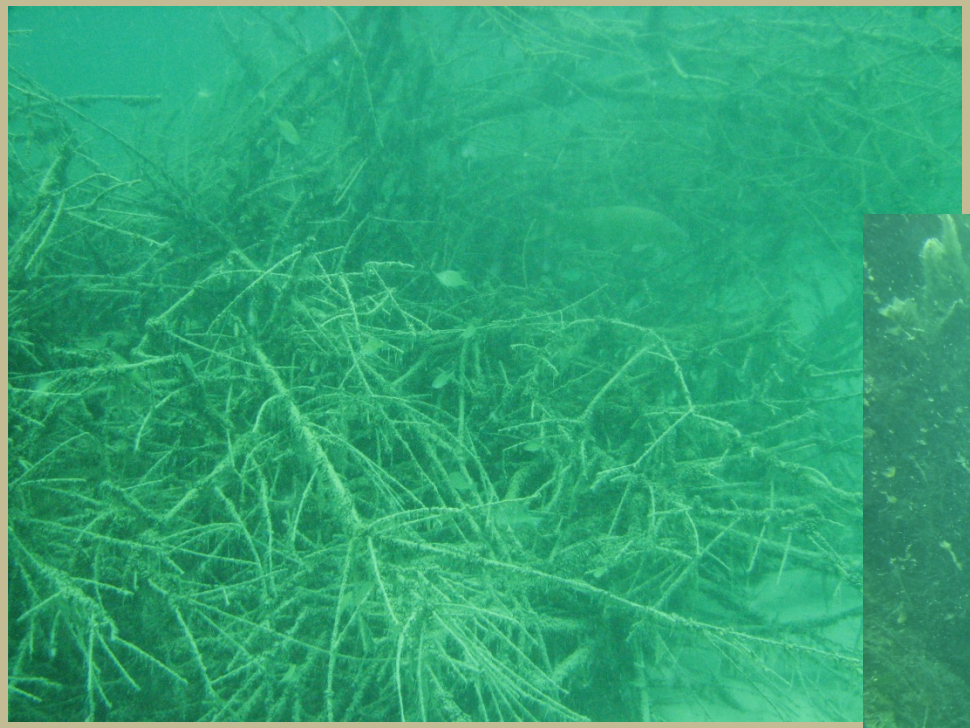
- Pallet Structures

Artificial Habitat Types

- Poly Shrubs

Artificial Habitat Types

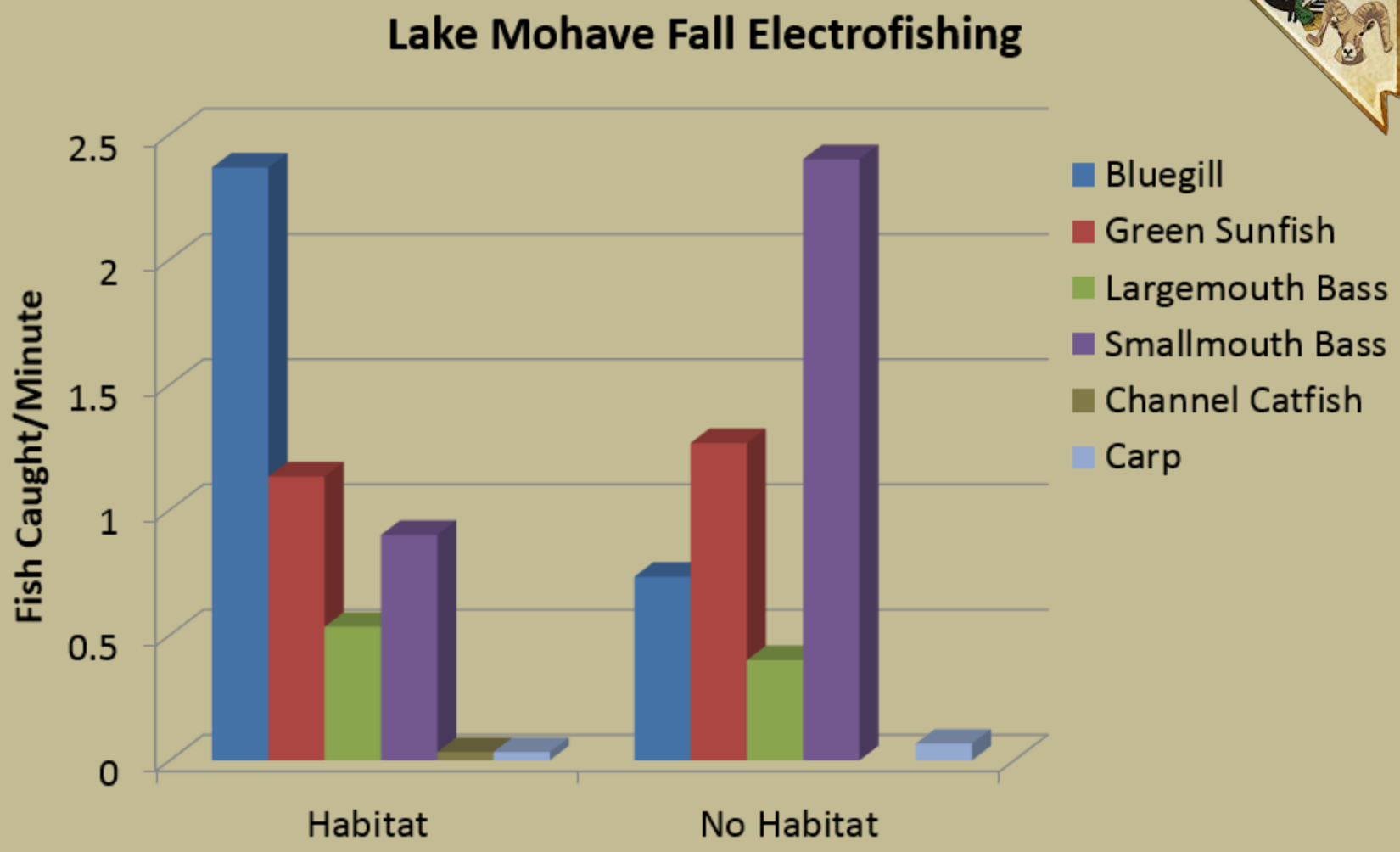
- Brush Bundles



Artificial Habitat Types

- PVC Structures

Electrofishing Results



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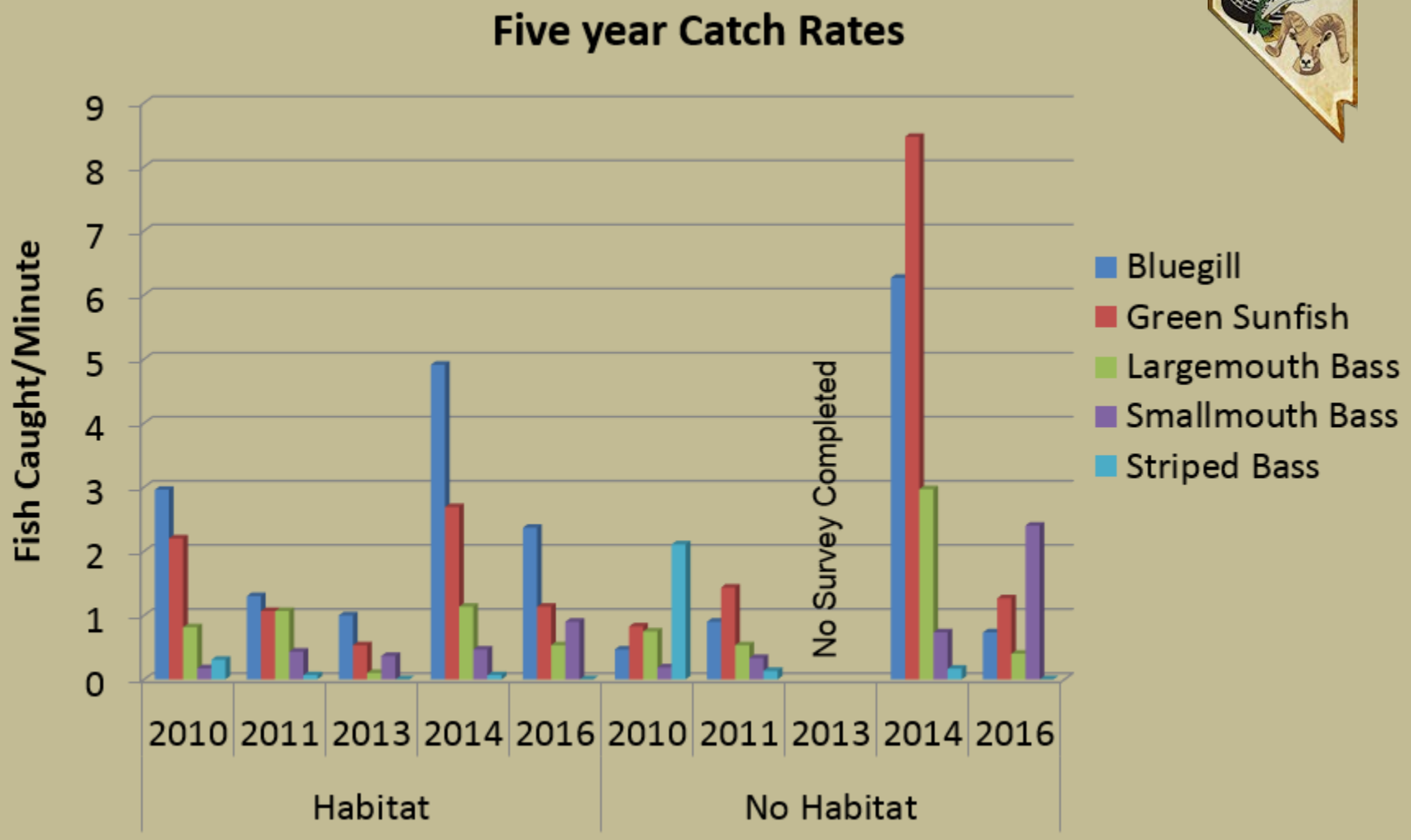

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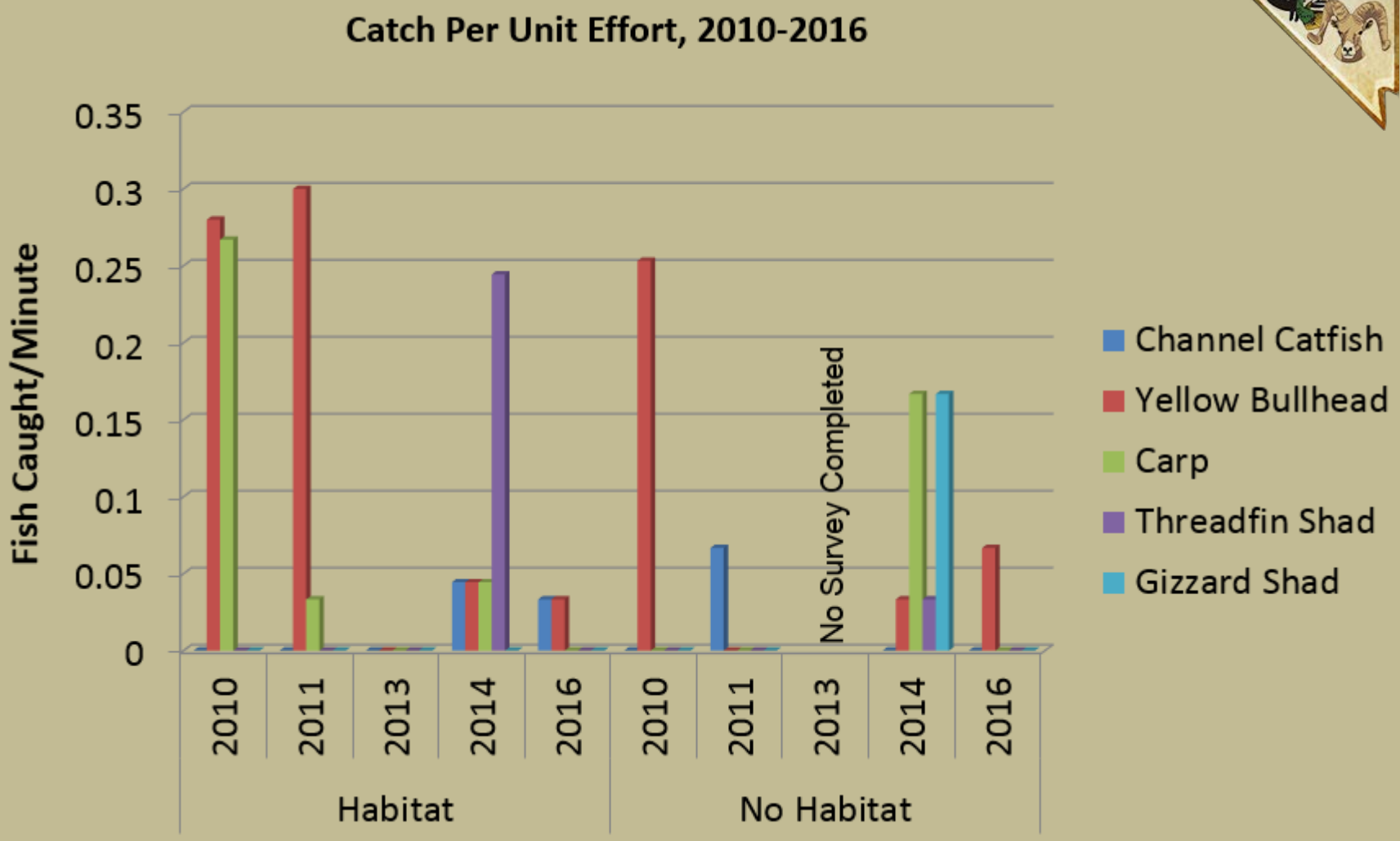
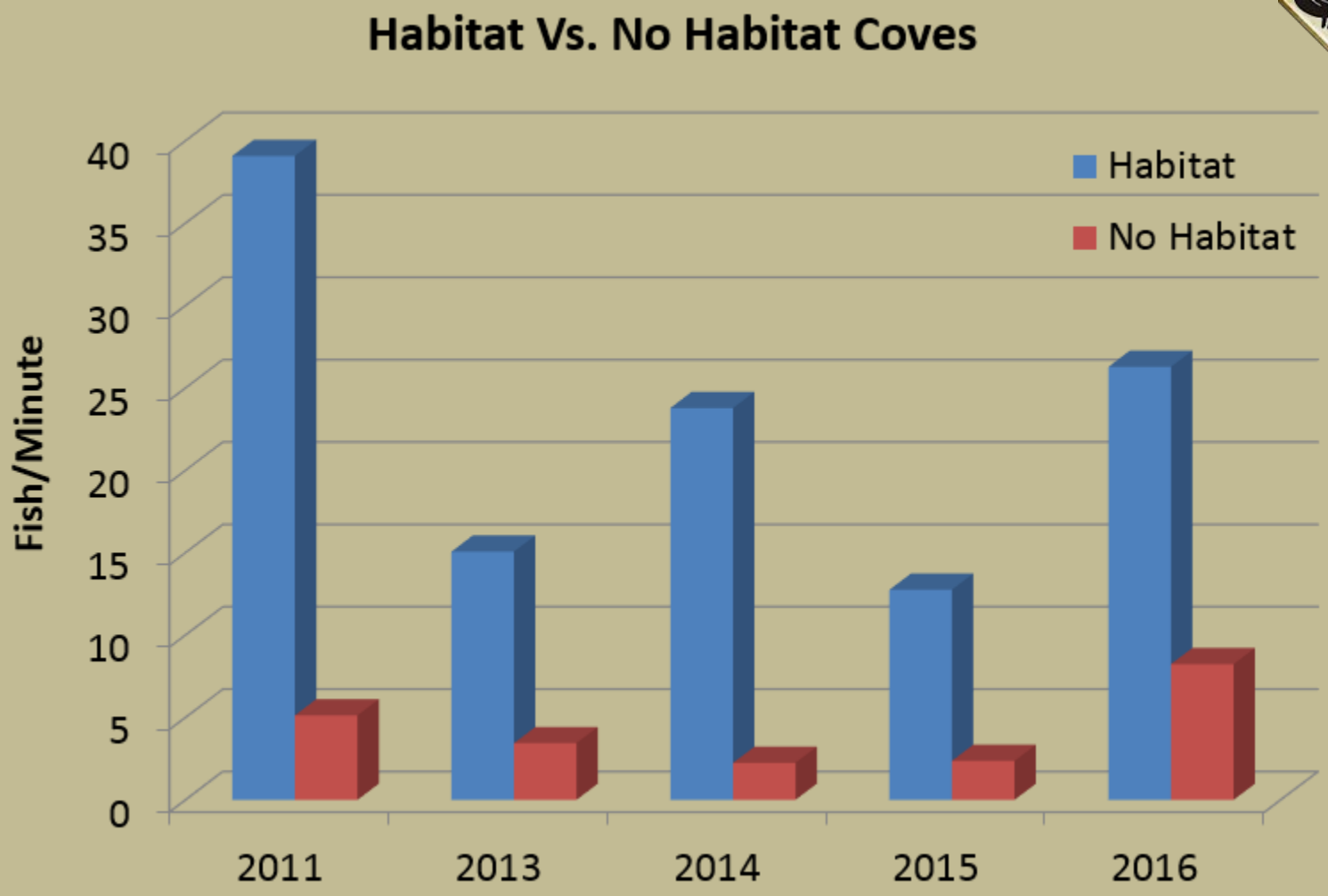


SCUBA Survey Results



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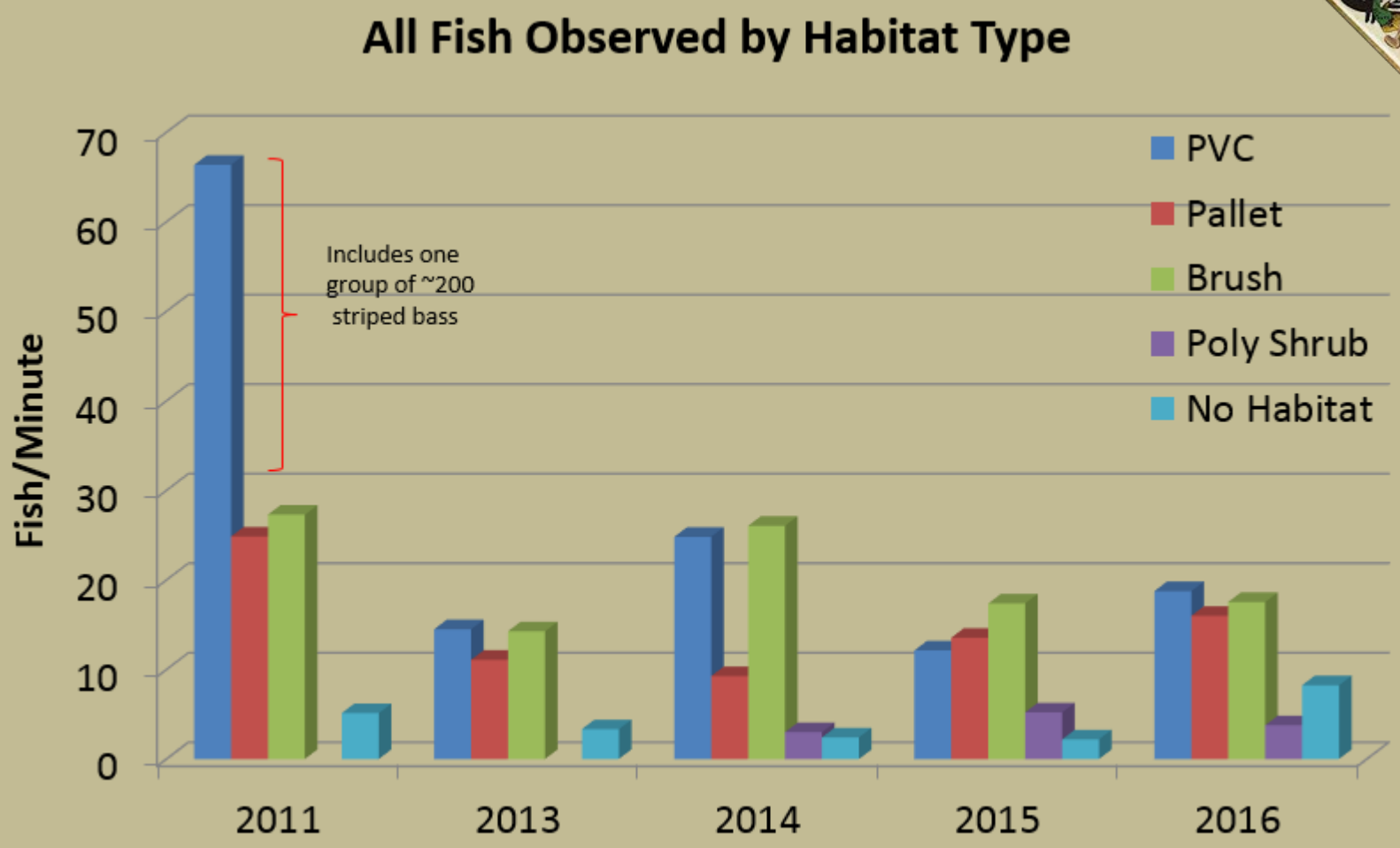

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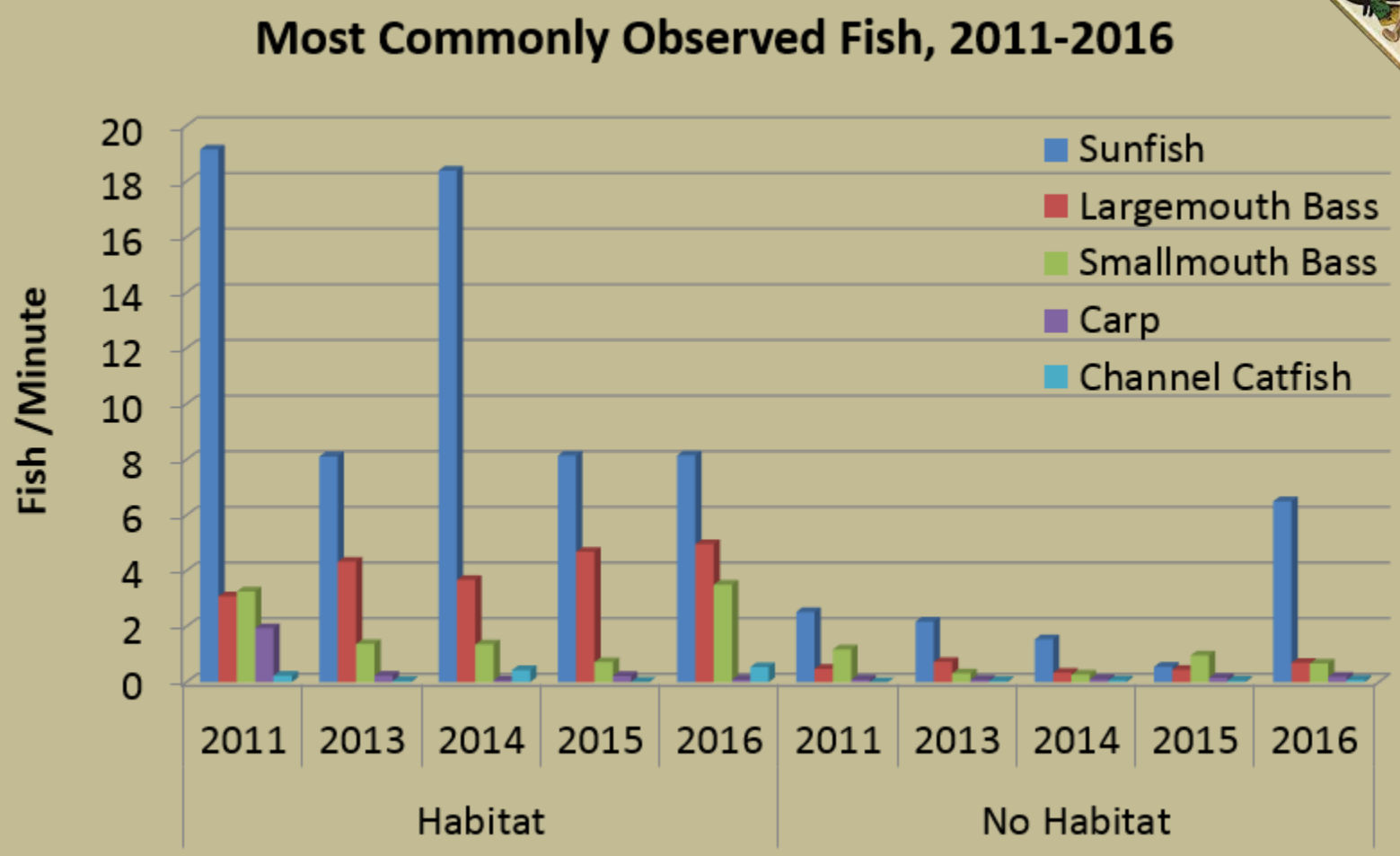

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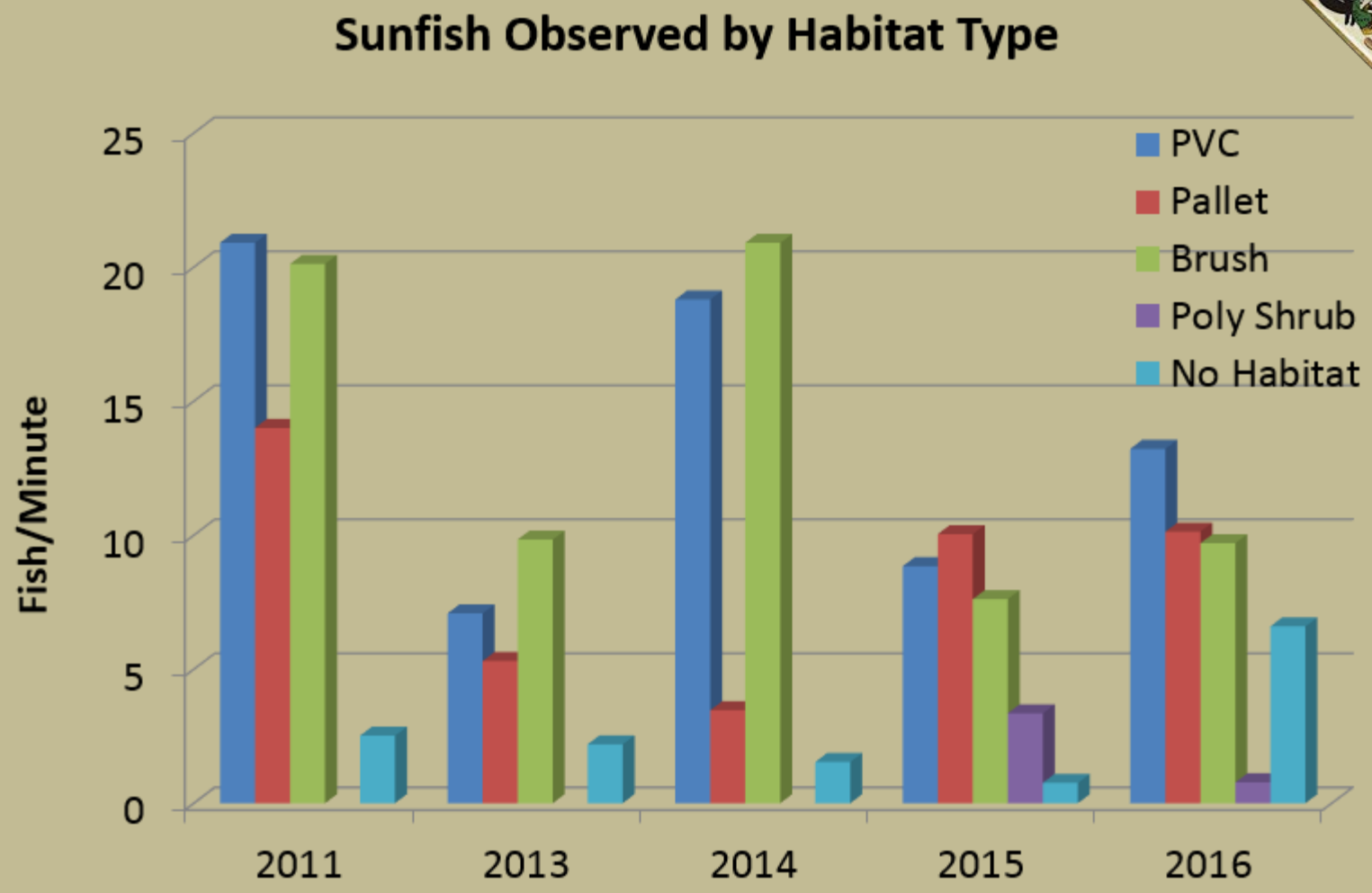

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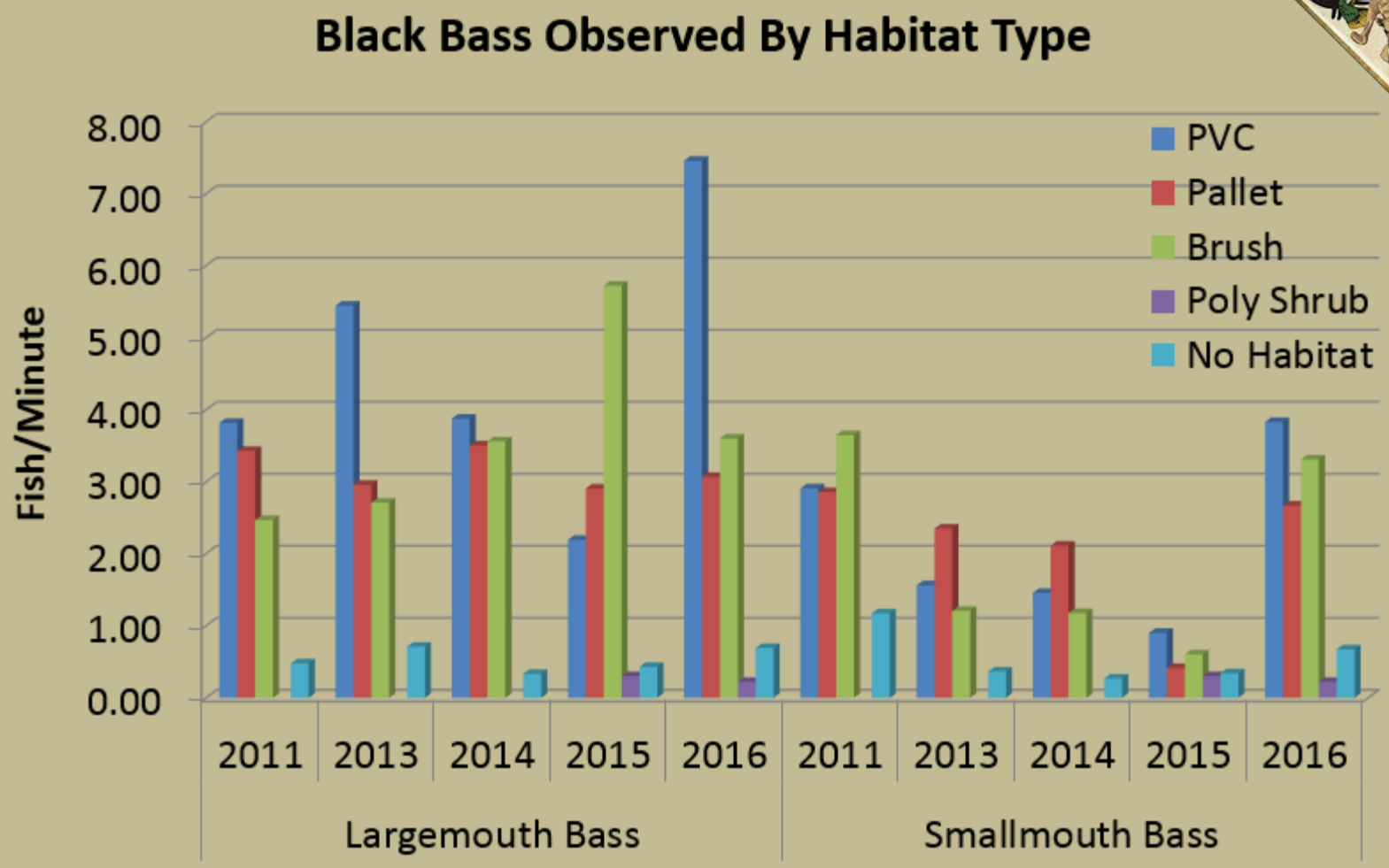
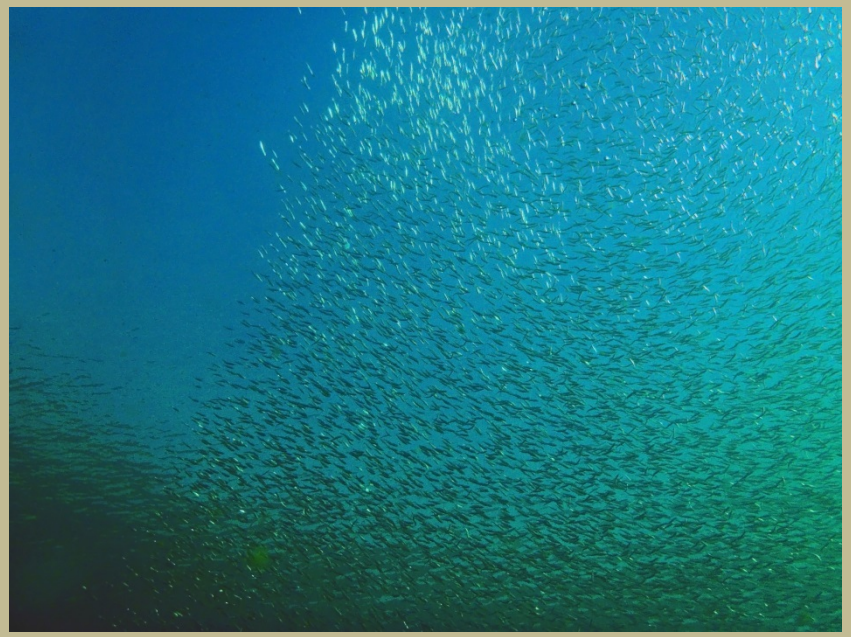


Review and Future Plans

- Coves with artificial habitat continue to have more fish observed during SCUBA surveys than those without
- Not much difference in total fish caught by electrofishing in coves with or without artificial habitat
- Black bass movement study using internal Sonotronic tags

Acknowledgements

- Arizona Game and Fish
- National Park Service
- Bureau of Reclamation
  - MSCP Fisheries Group
- Numerous Volunteers