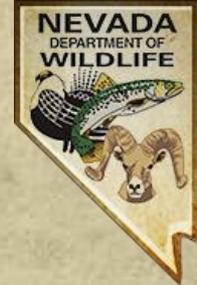


**Nevada Department of Wildlife**



# **Lake Mohave Habitat Enhancement Project**

**Mitch Urban  
Lake Mohave Biologist  
2015 C.R.A.B. Meeting**

**EXPERIENCE NEVADA'S WILDLIFE**

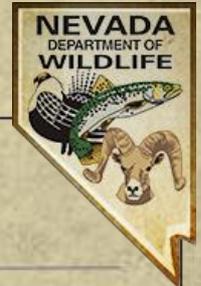
# 2014 Accomplishments

- Placed 18 PVC structures, 19 poly shrubs and 50 brush bundles
  - Total To Date
    - 173 assorted brush bundles
    - 96 PVC Structures
    - 88 pallet and brush A-frames
    - 24 pallet structures
    - 24 Poly Shrubs
    - 25 loads of Christmas trees Approx. 625 trees
- 54 SCUBA surveys and 21 snorkel surveys
  - SCUBA surveys every month
  - Snorkel surveys June - Nov
- Electro-shocked 3 habitat sites and 2 non-habitat sites in the fall

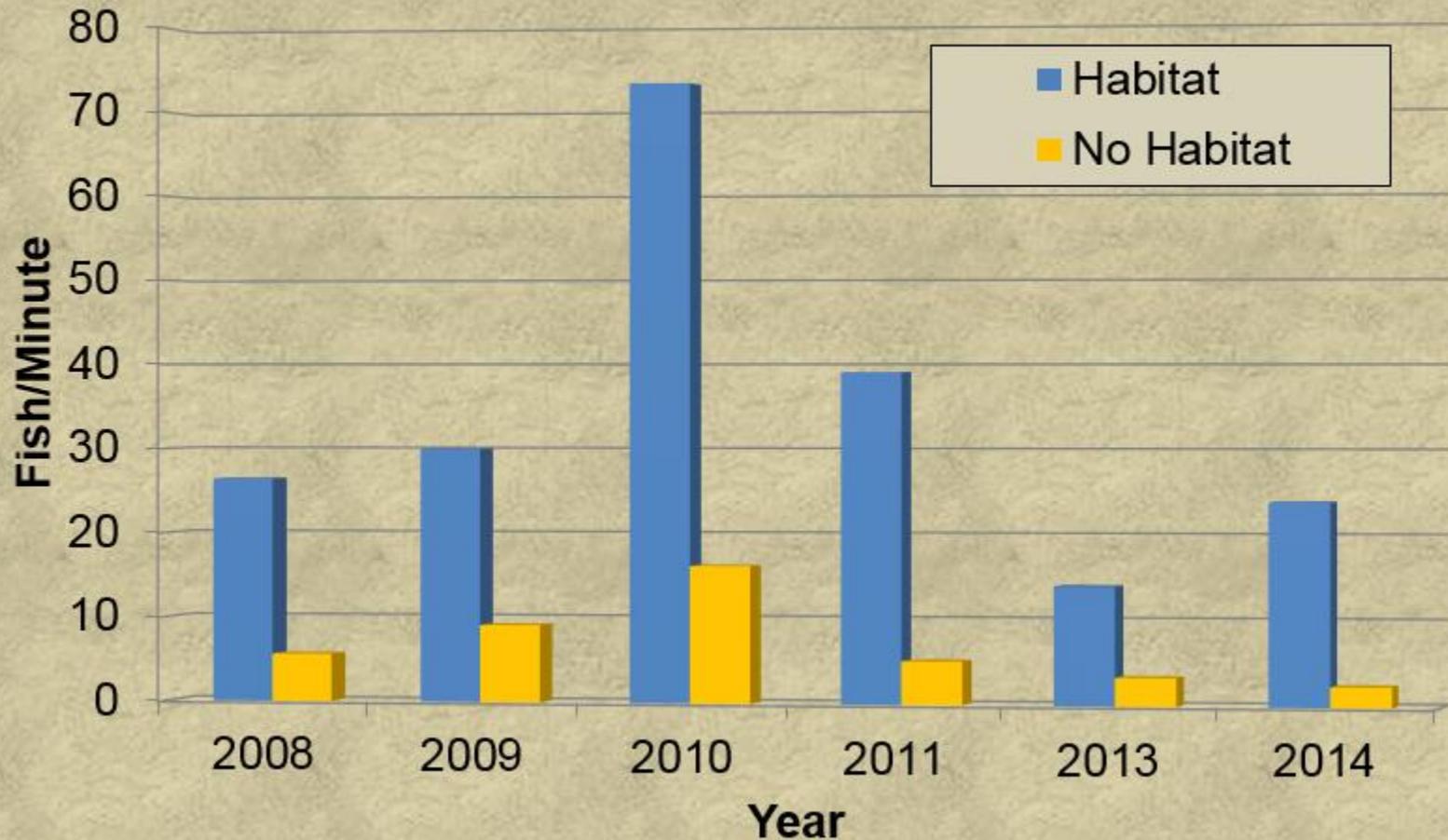


Mitch Urban

# SCUBA Survey Results



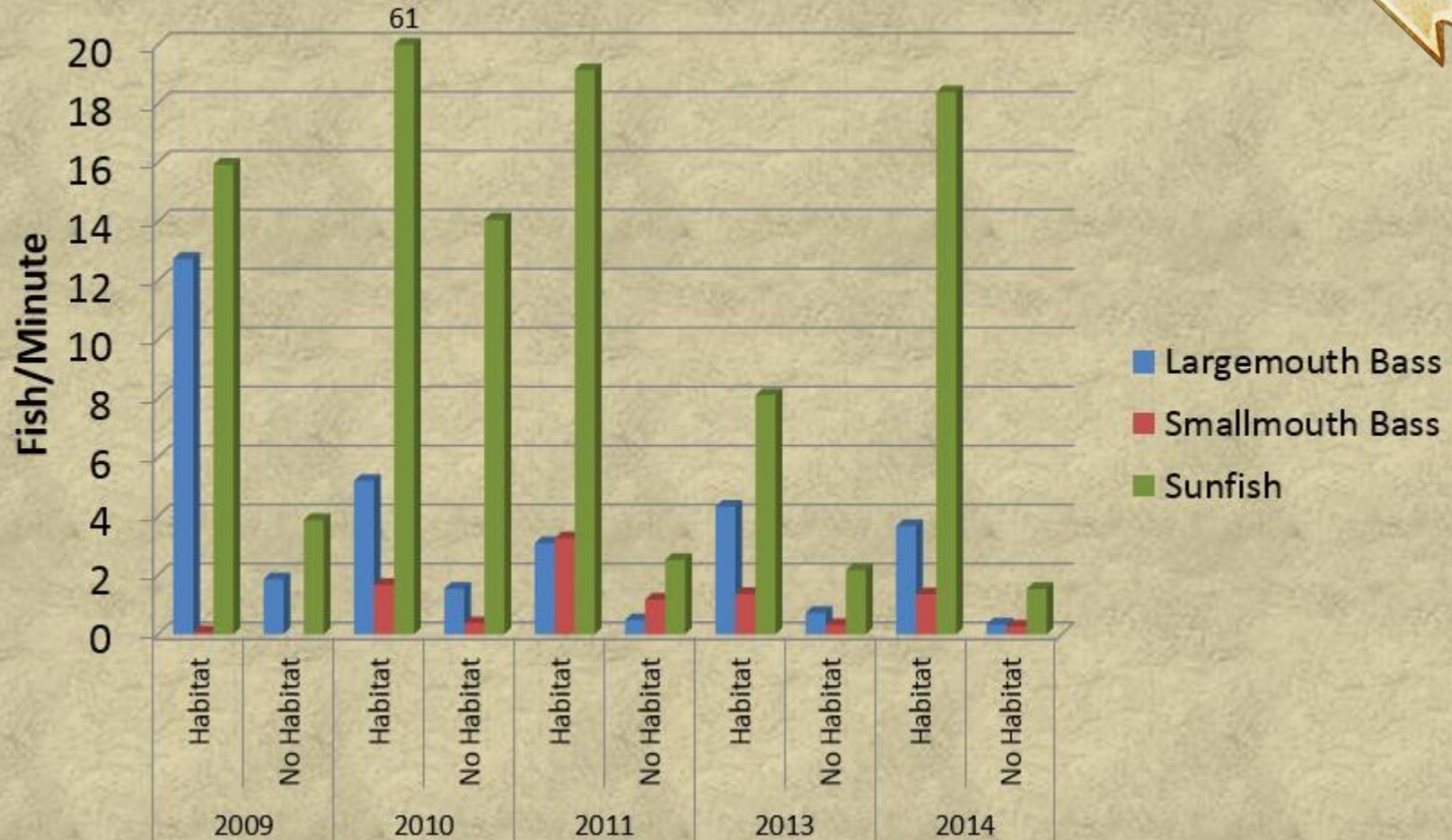
## Habitat Vs. No Habitat



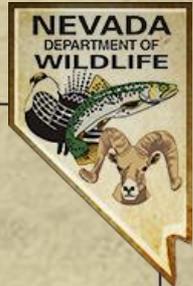
# SCUBA Survey Results



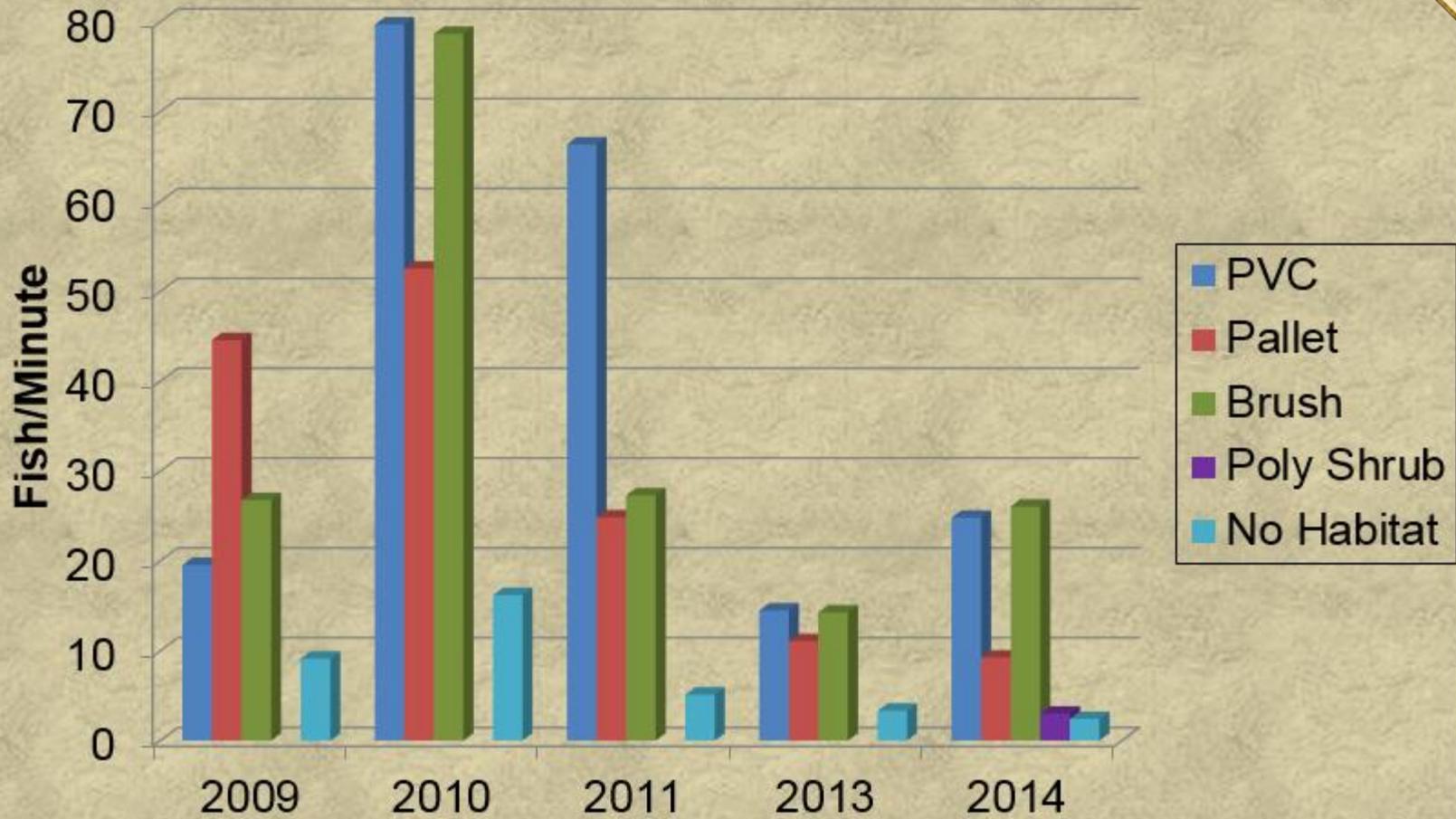
## Habitat Use Vs. No Habitat Use By Species



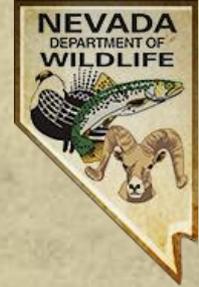
# SCUBA Survey Results



## Fish Use by Habitat Type



# SCUBA Survey Results



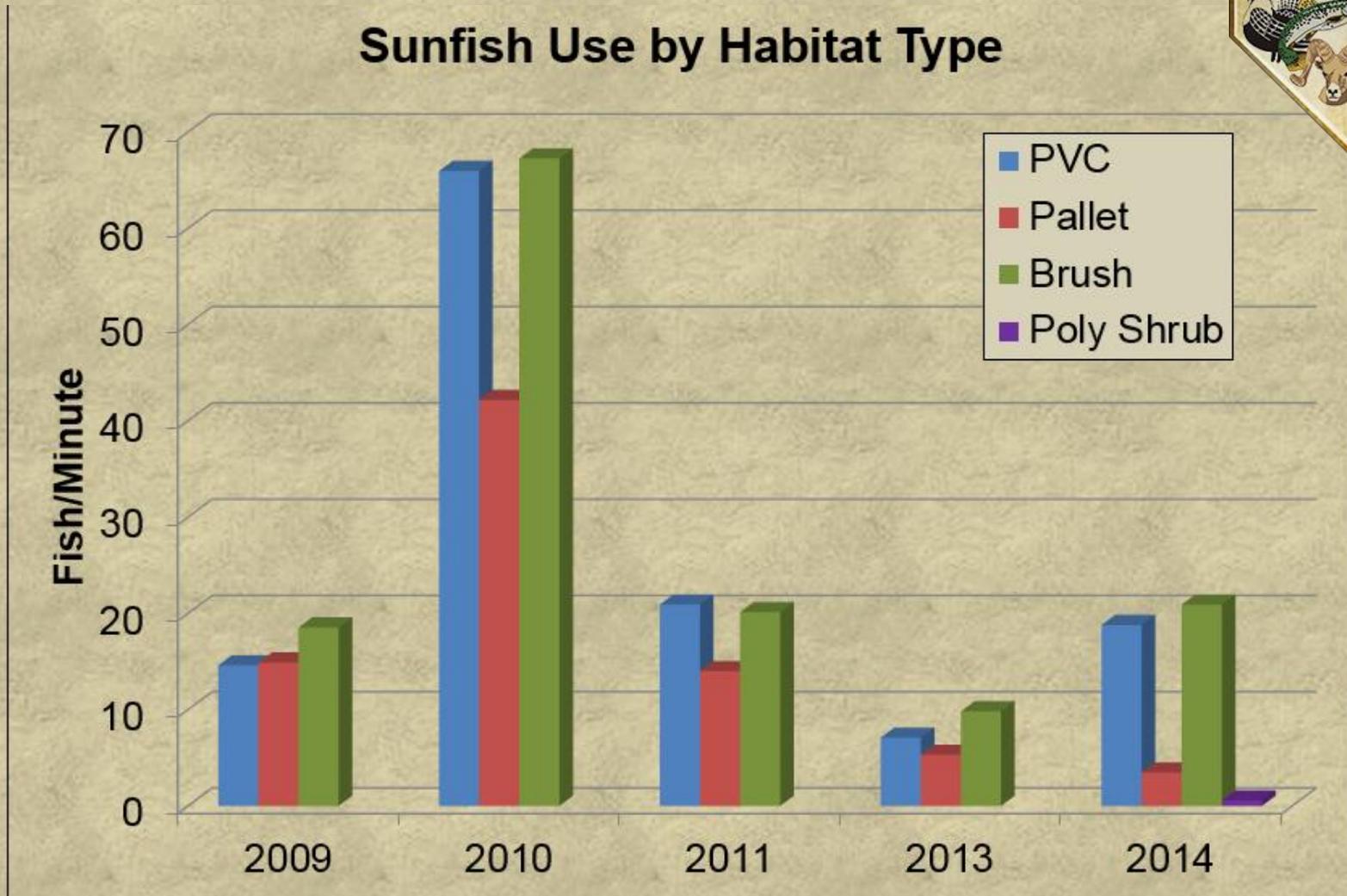
Poly Shrubs



# SCUBA Survey Results



## Sunfish Use by Habitat Type

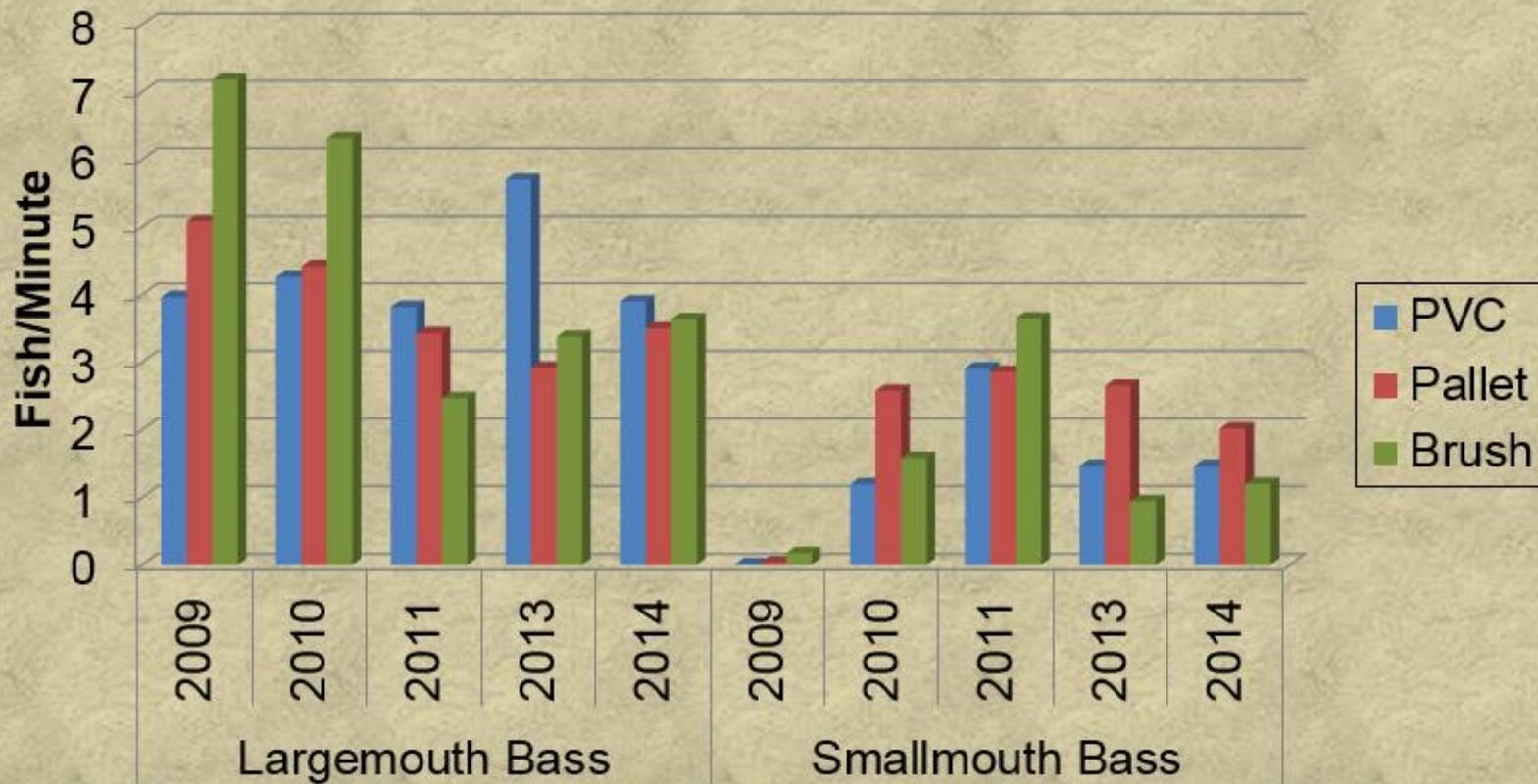


# SCUBA Survey Results

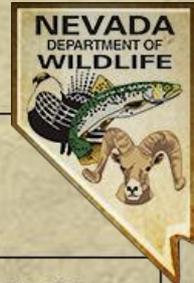
Is there a preference over habitat type by species?



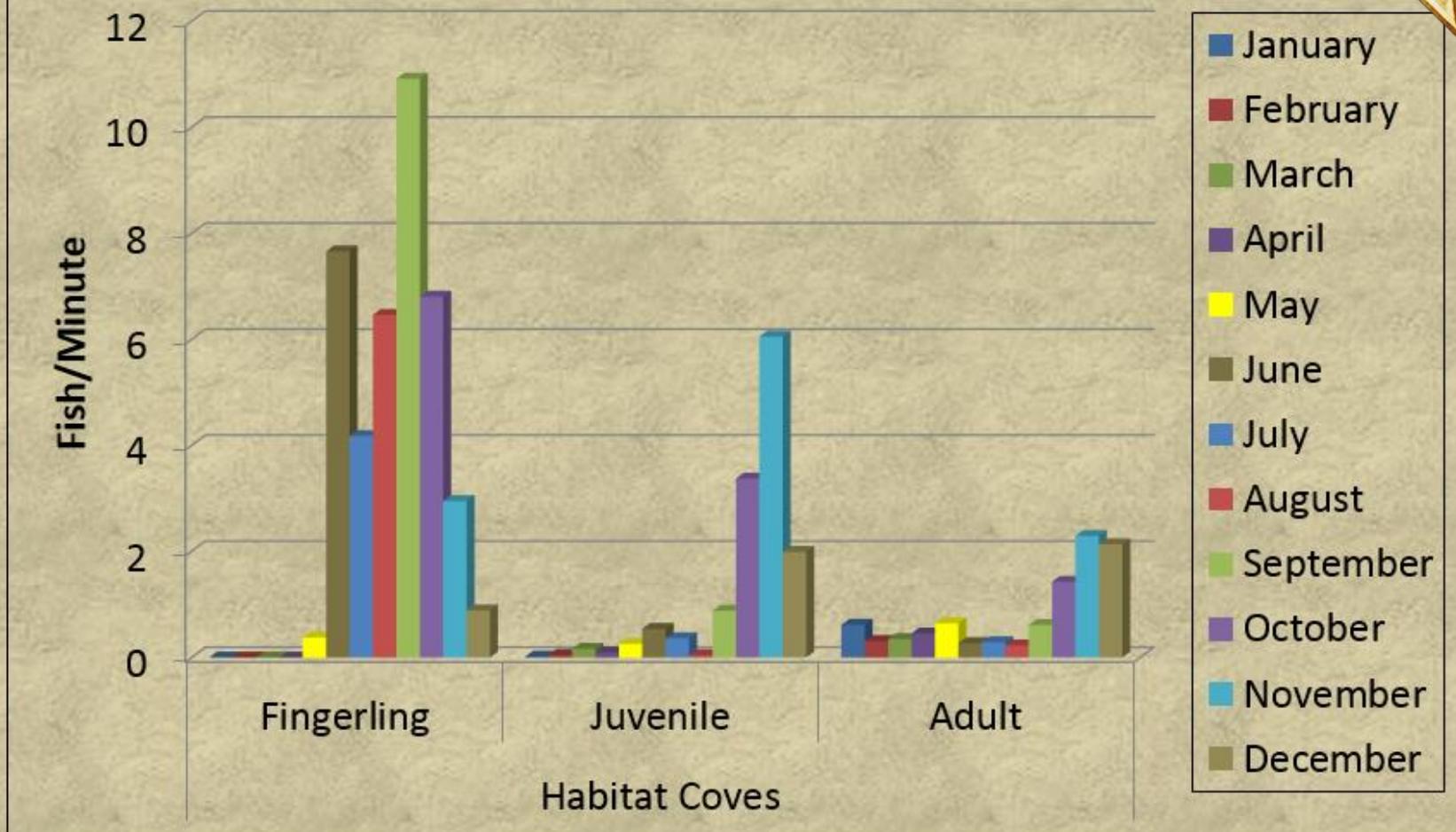
## Largemouth Bass and Smallmouth Bass Use by Habitat Type



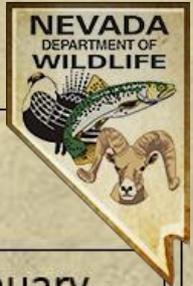
# SCUBA Survey Results



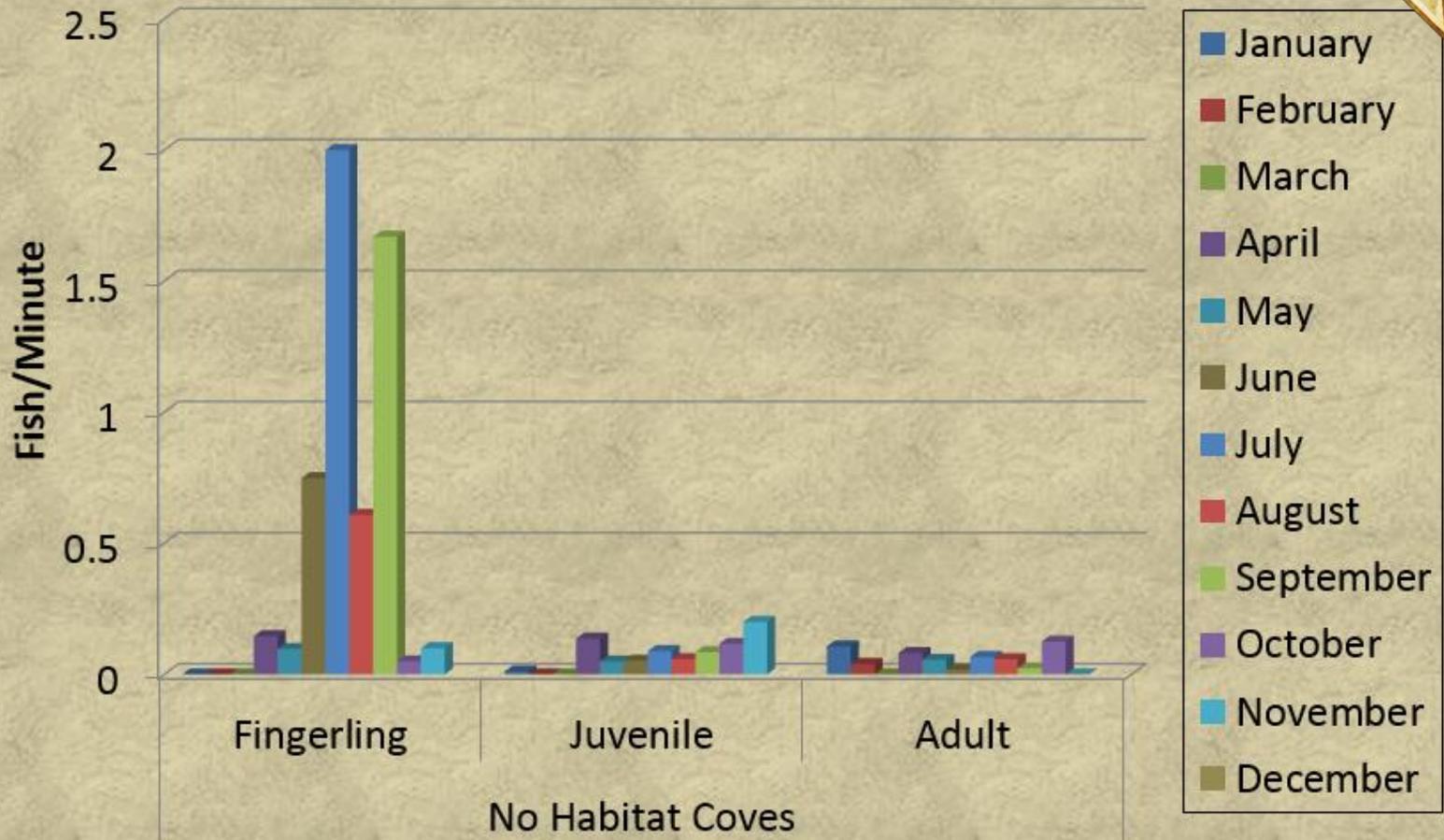
## Black Bass Use by Month in 2014



# SCUBA Survey Results



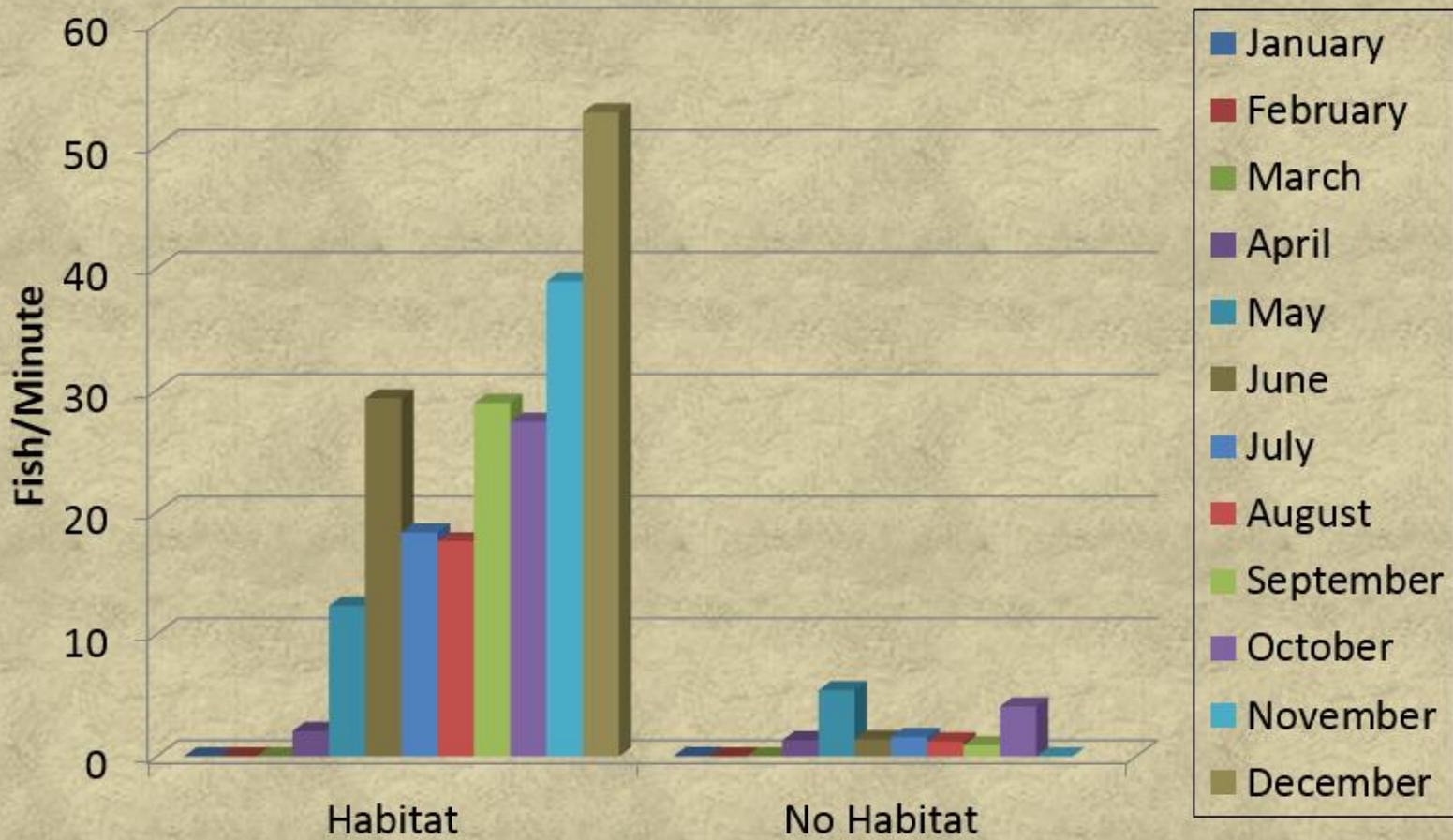
## Black Bass Use by Month in 2014



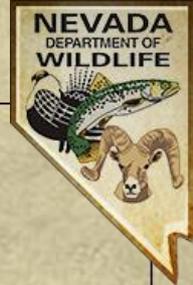
# SCUBA Survey Results



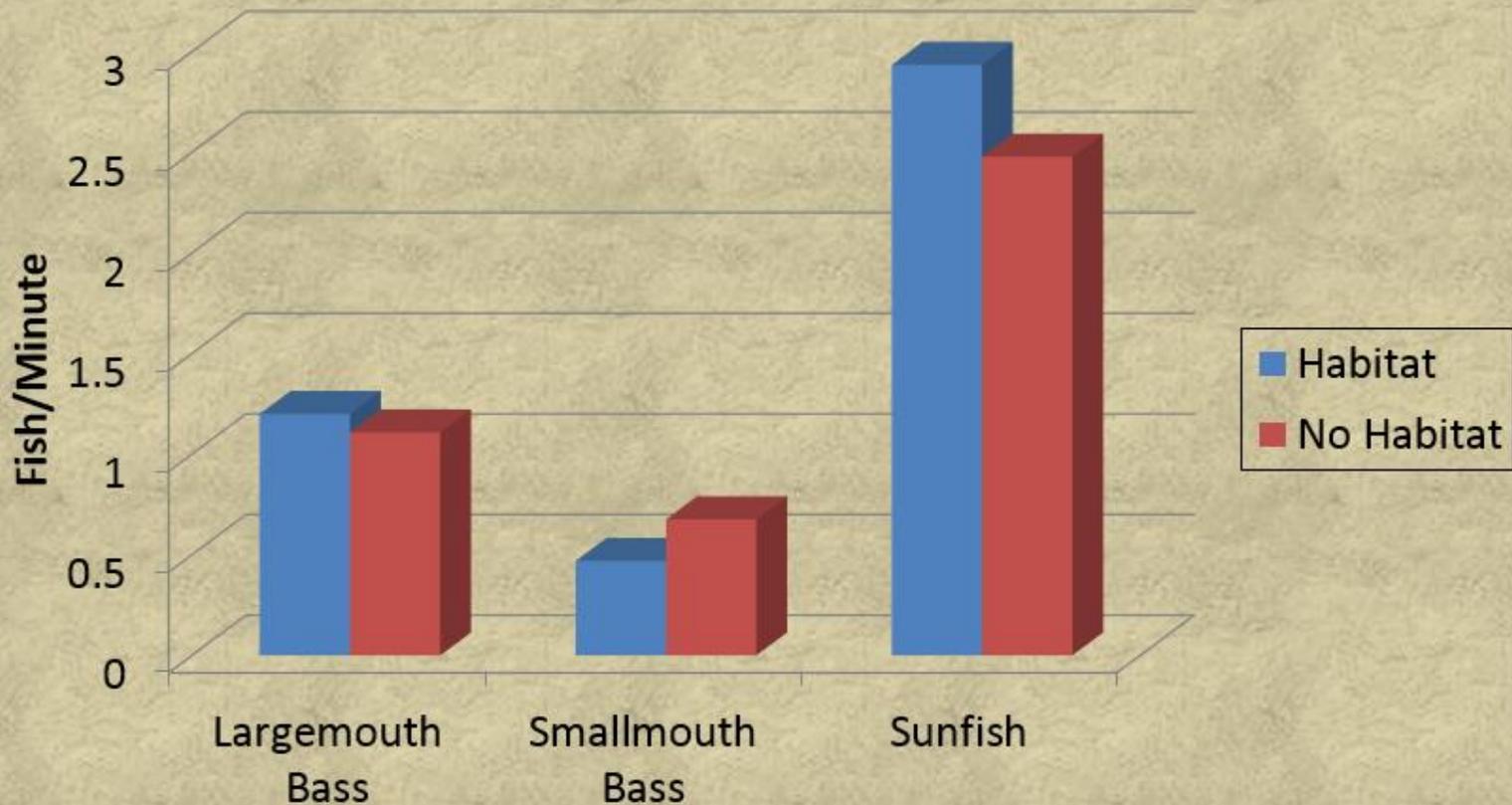
## Sunfish Use by Month in 2014



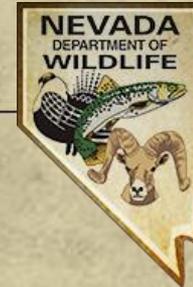
# Snorkel Survey Results



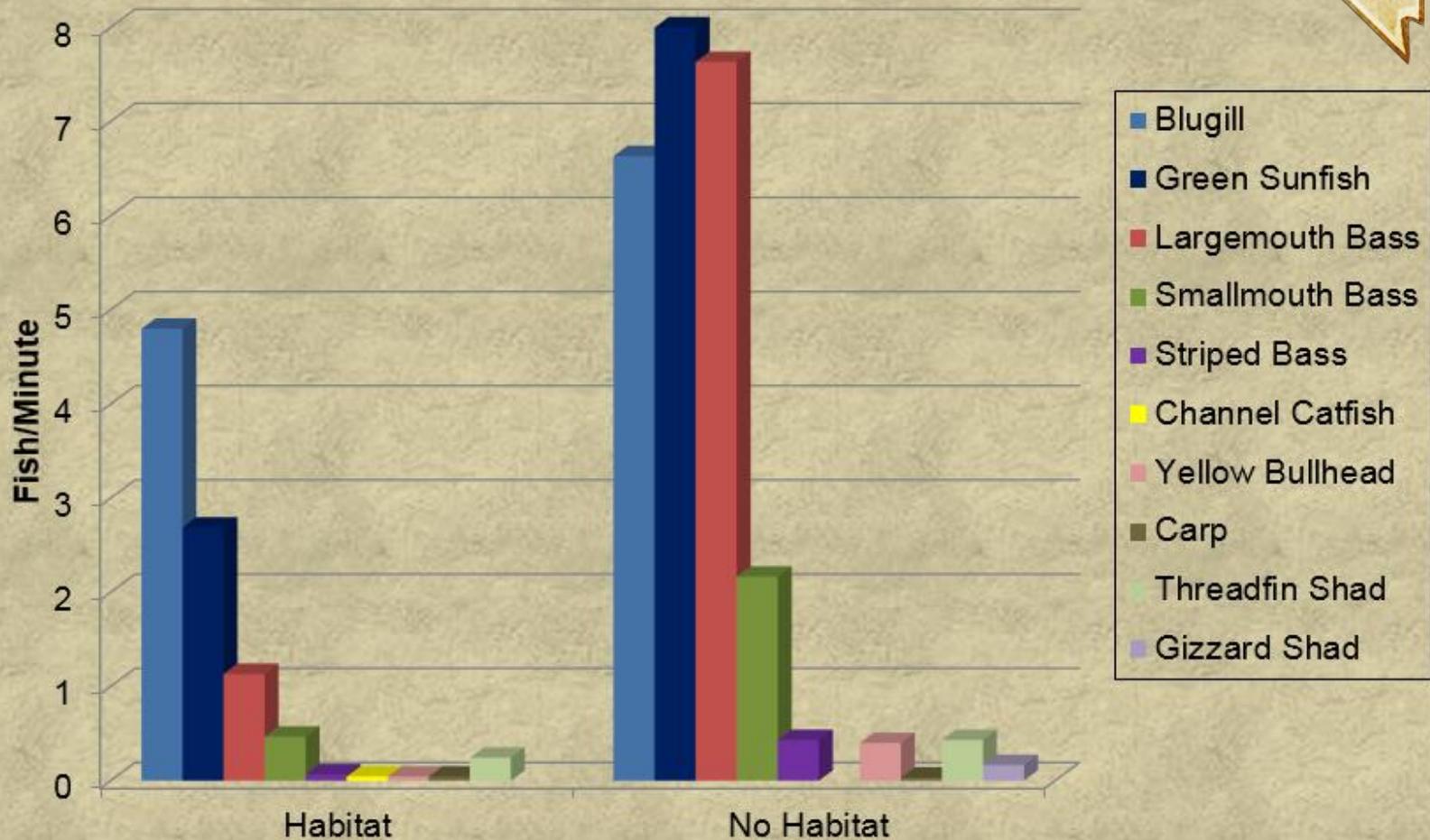
Fish Counts in Habitat Coves Vs. No Habitat Coves  
In 2014 From Snorkeling



# Electro-shocking Survey Results



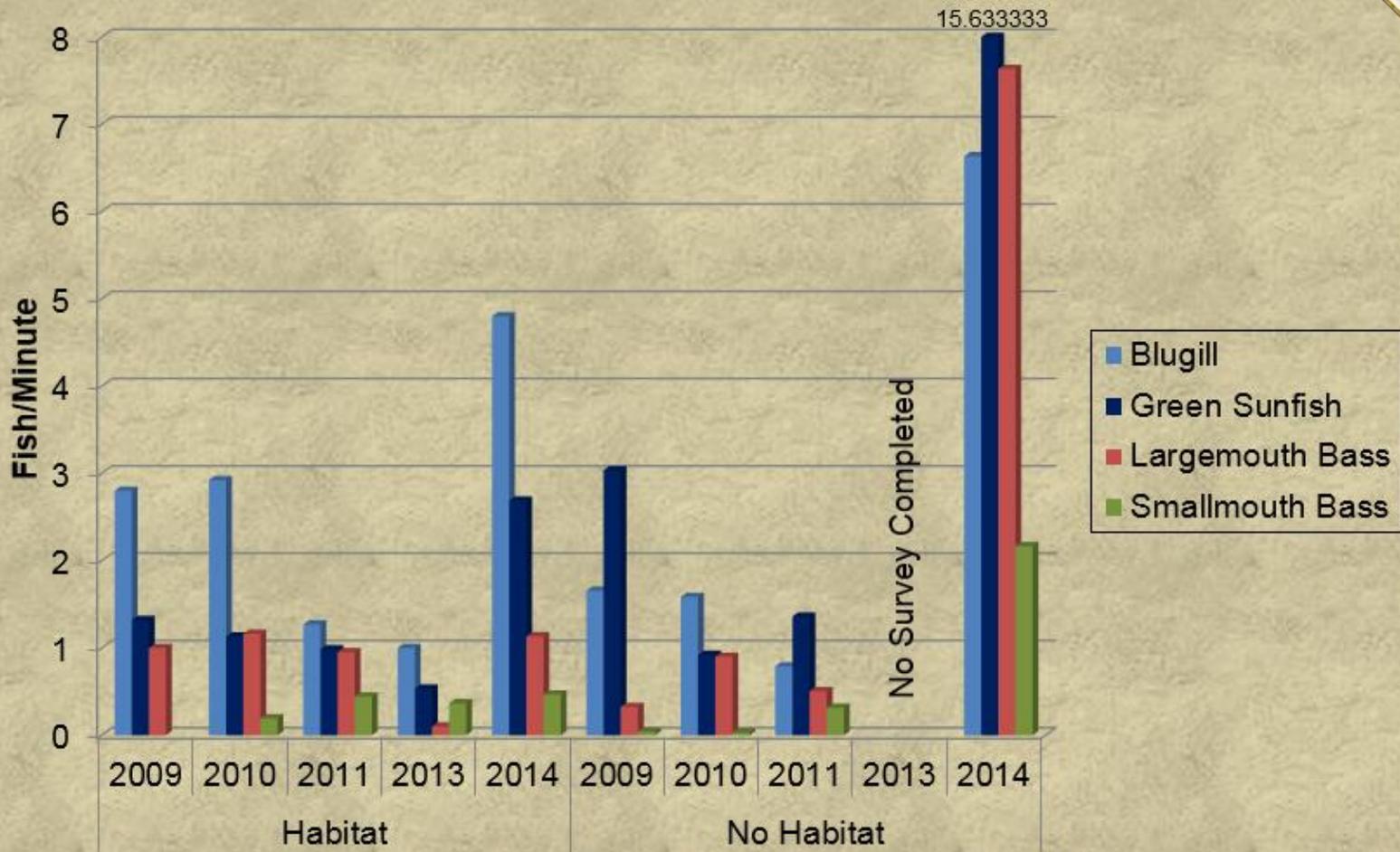
## 2014 Electro-shocking Comparison of Catch Rates



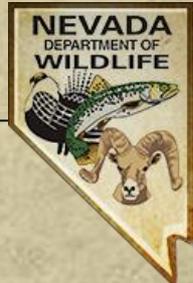
# Electro-shocking Survey Results



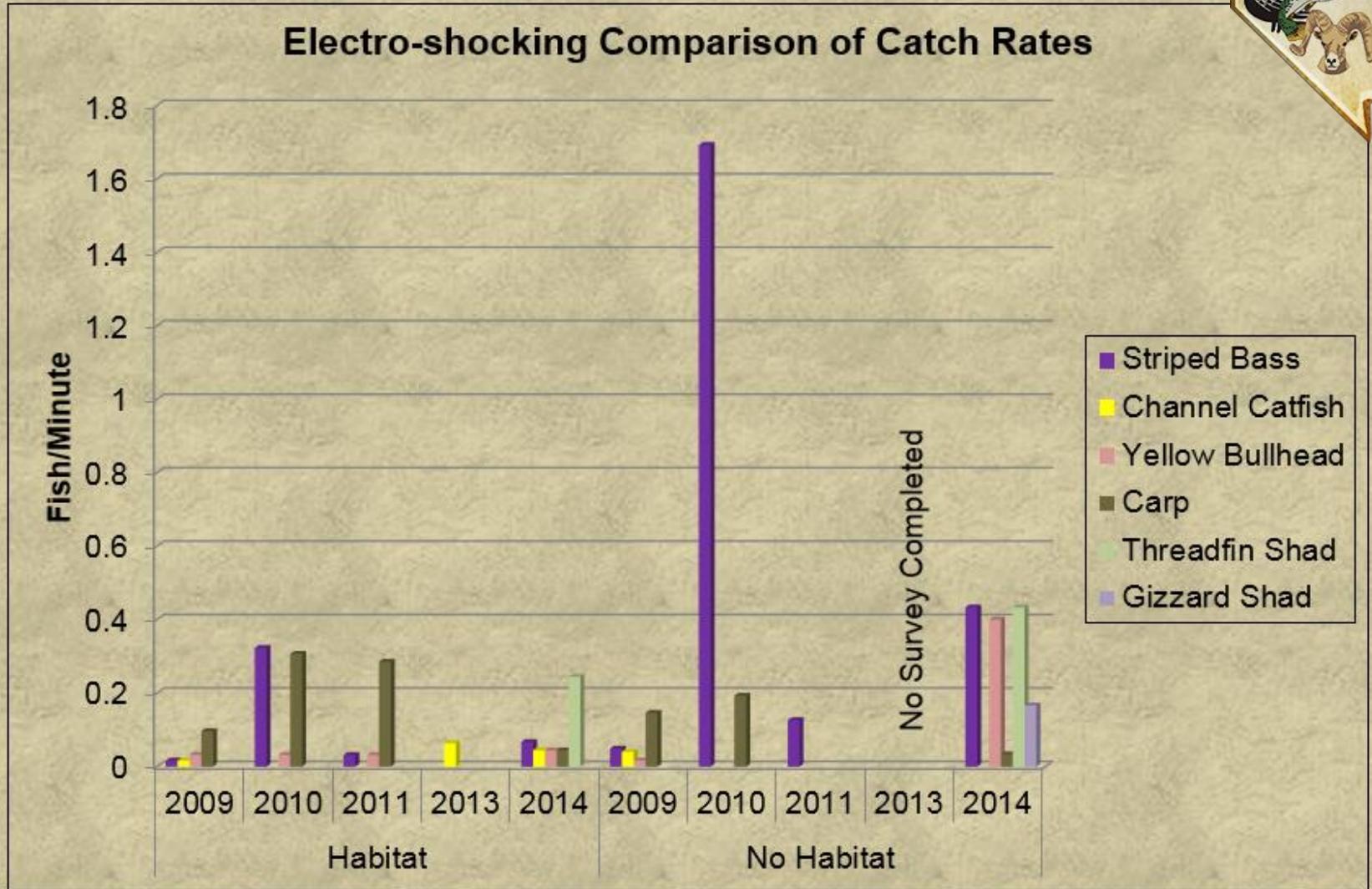
Electro-shocking Comparison of Catch Rates



# Electro-shocking Survey Results



Electro-shocking Comparison of Catch Rates



# Observations from surveys

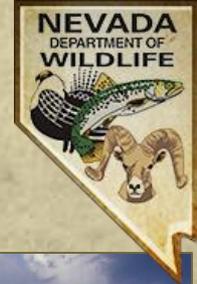


- When there is a thermocline present fish only use habitat that is above it not below
- Water visibility never cleared up from fall algae spike
- Striped bass observed and captured during surveys
- Gizzard and threadfin shad present in the lake

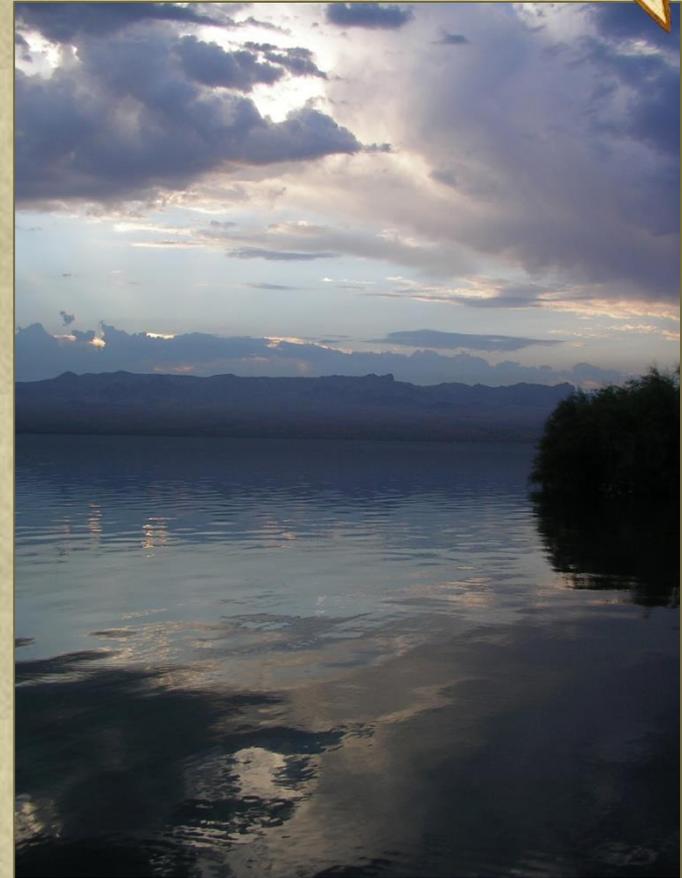


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# Acknowledgements

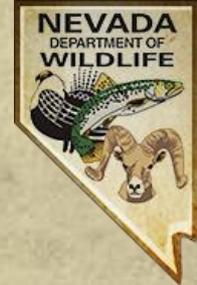


- Arizona Game and Fish
- National Park Service
- Bureau of Reclamation
  - MSCP Fisheries Group
- Arizona State Prison
- Numerous Volunteers



EXPERIENCE NEVADA'S WILDLIFE

**Nevada Department of Wildlife**

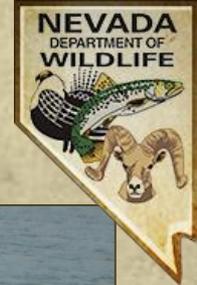


# **Lake Mohave Annual Sport Fish Surveys**

**Mitch Urban  
Lake Mohave Biologist  
2015 C.R.A.B. Meeting**

**EXPERIENCE NEVADA'S WILDLIFE**

# 2014 Accomplishments



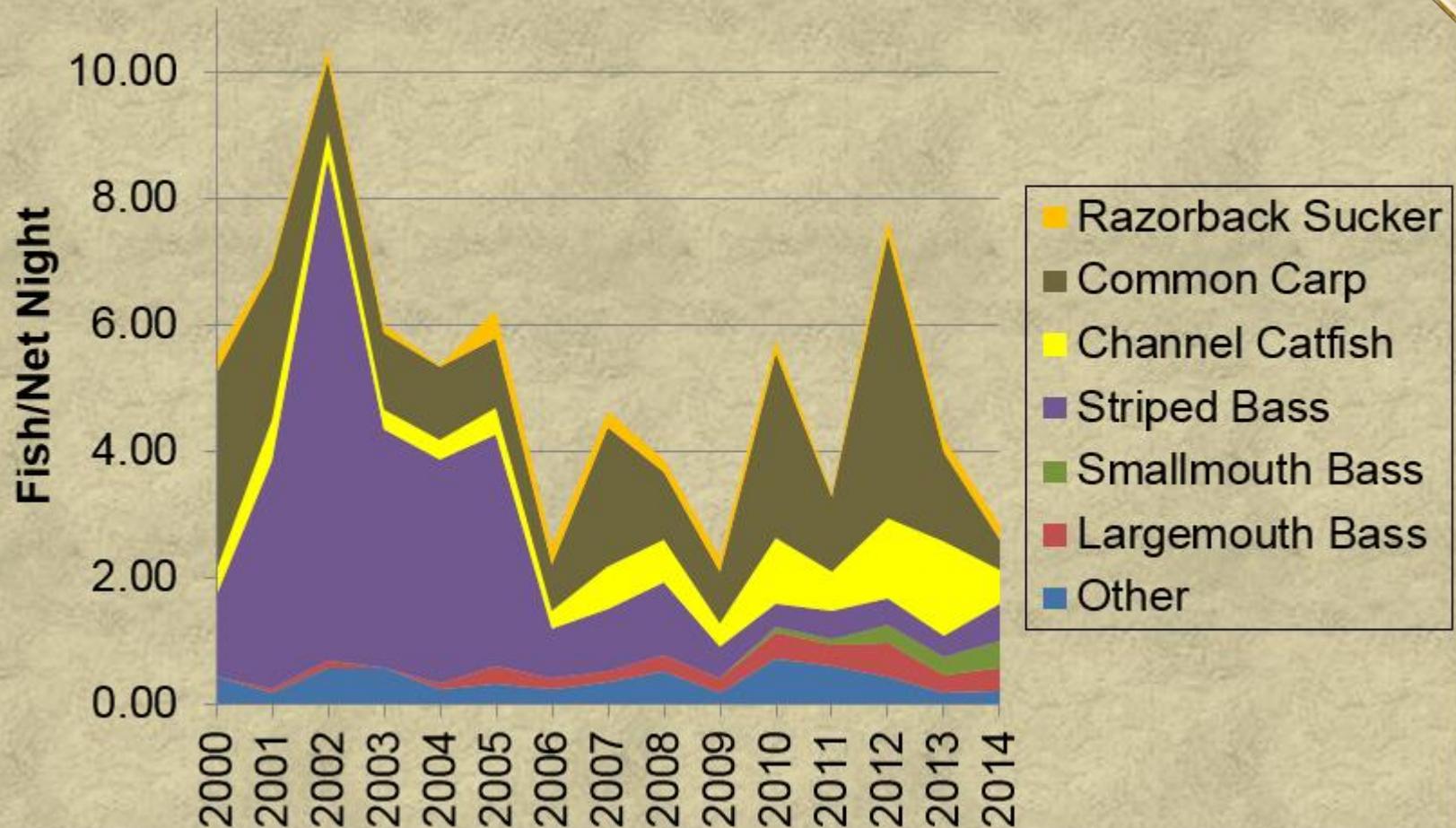
- Cooperation by NDOW, AGF, NPS, USBR, and USFWS
- 11<sup>th</sup> year using AGF protocols
- Gill Netting
  - 49 net-nights
  - 758 hours of netting
- Electroshocking
  - 16 coves
  - 243 minutes of switch time



# Gill Netting Results



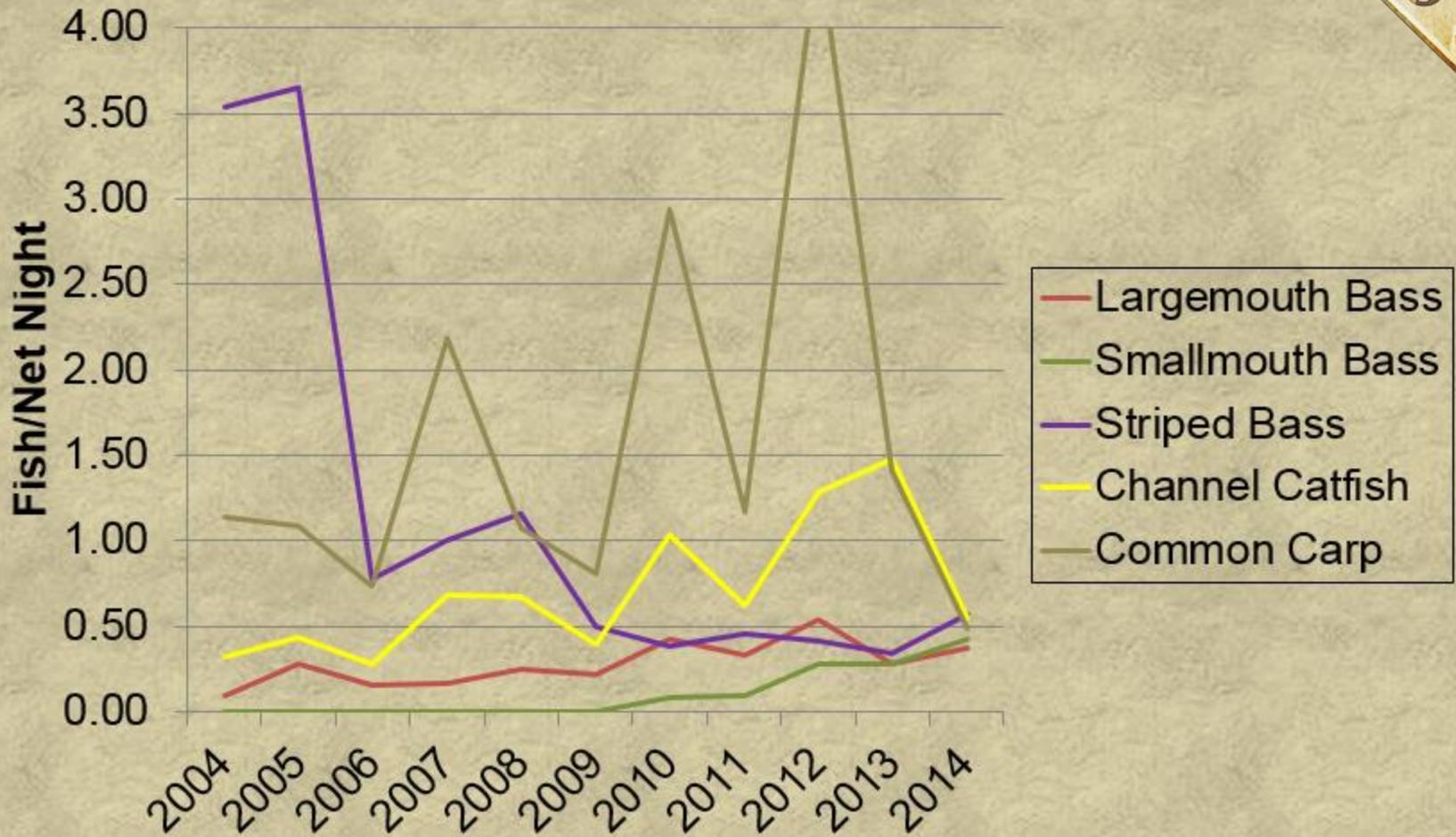
## Total Catch Per Unit Effort



# Gill Netting Results



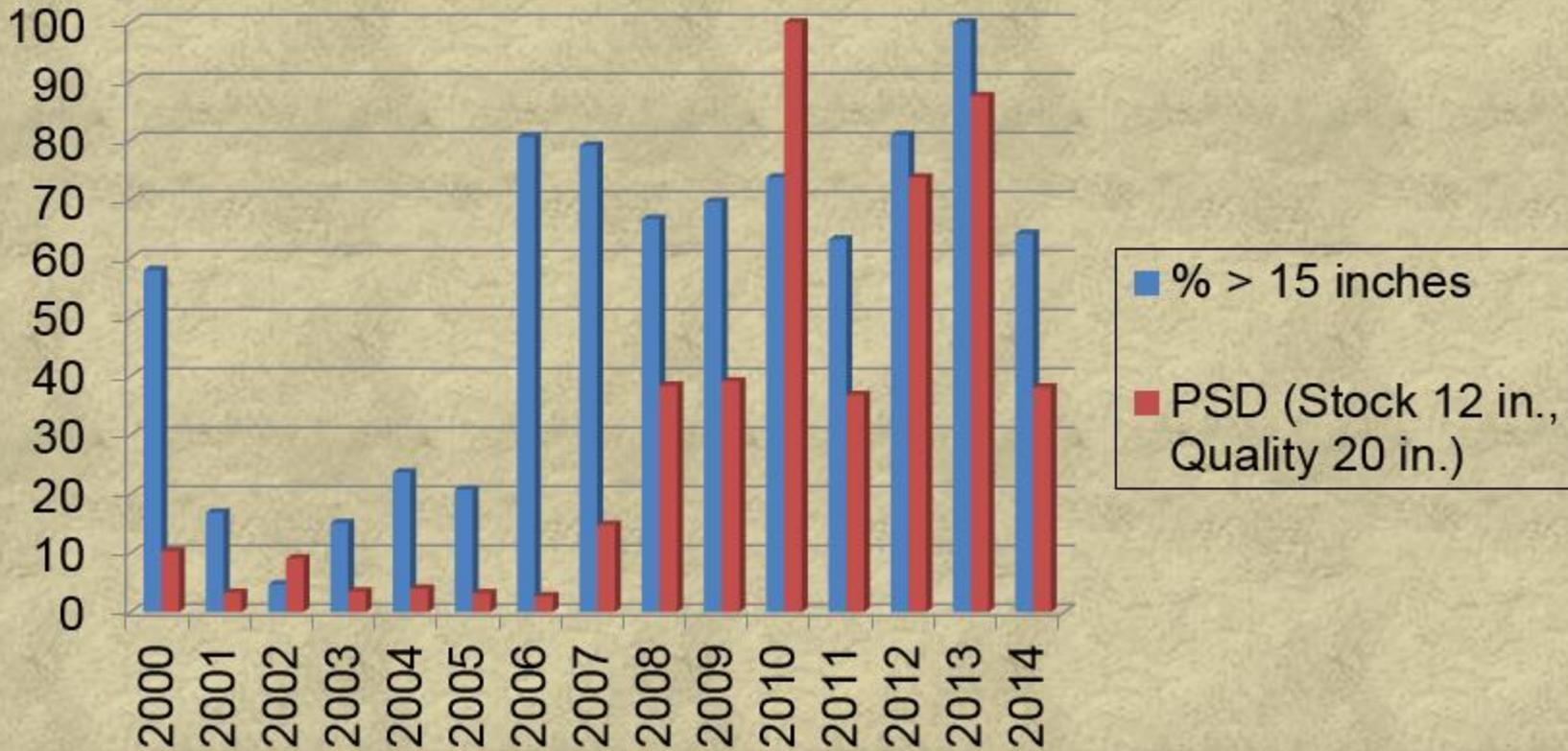
## Catch Rates by Species



# Gill Netting Results



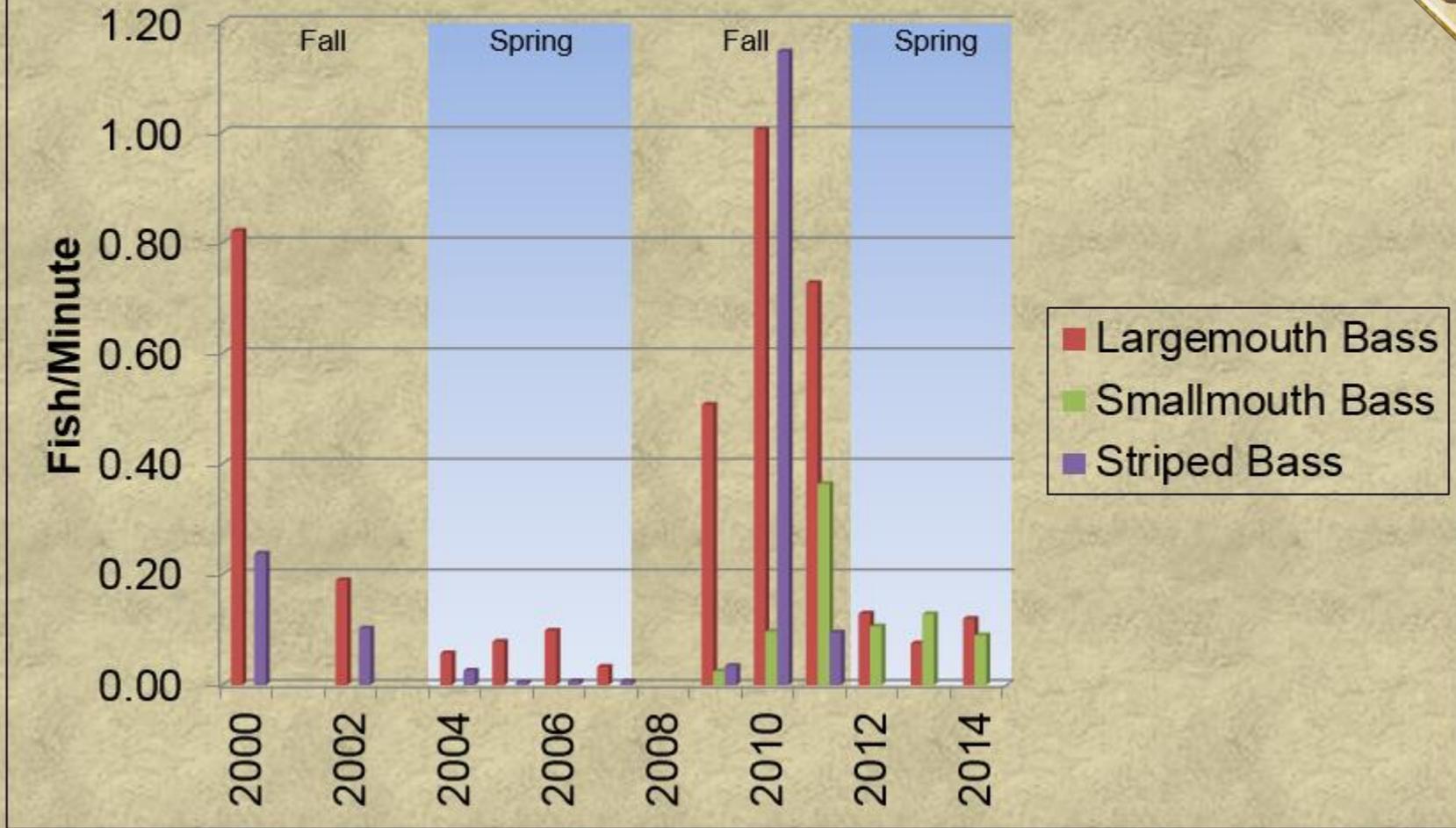
## Striped Bass Proportional Stock Density (PSD) and Percentage of fish caught greater than 15 inches



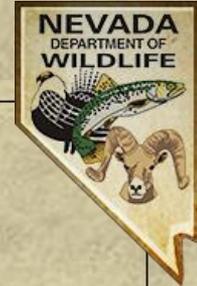
# Electro-shocking Results



## Catch Rates for Bass



# Electro-shocking Results



## Sunfish and Carp Catch Rates

