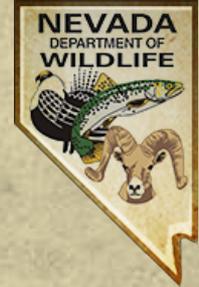


Nevada Department of Wildlife

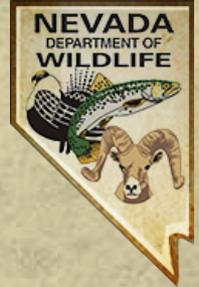


Willow Beach Creel Summary

**Lisa Ozborn
Lake Mohave Fisheries Biologist**

EXPERIENCE NEVADA'S WILDLIFE

Rainbow Trout at Willow Beach



- Willow Beach NFH ceased stocking rainbow trout in 2013
- Resumed Feb. 3, 2017
 - 1,000 rainbow trout every Friday for the rest of 2017
- Limited NDOW creel surveys 2013-2016
- Increased concentrated creel effort of both shore and boat anglers in 2017

Willow Beach Creel: 2013-2016



- Recorded creel from 2013-2016
 - 2013 – Twenty-three angler interviews over three days of surveys (Jul)
 - 2014 – Twenty-one angler interviews over seven days of surveys (Mar- Dec)
 - 2015 – Fifteen angler interviews over seven days of surveys (Jan-May)
 - 2016 – Thirty-eight angler interviews over 11 days of surveys (Jan-Jul, Dec)
- Catch rate of 0.23 fish/hour (687.25 angler use hours and 159 fish caught*)
- State of origin for 183 individual anglers:
 - 80.0% Nevada(n=147), 10.0% Arizona(n=18), 2.0% California(n=3), 8.0% other (n=15)
- Shoreline anglers (n=92) 51.0% vs. boat anglers (n=87) 49.0%
- In 2016, 19.0% (n=15) anglers fished from shore, and only one caught a fish

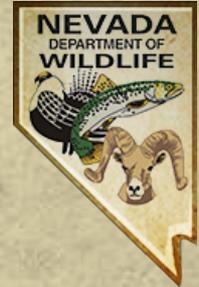
* Rainbow trout, large and smallmouth bass, striped bass, and channel catfish

Willow Beach Creel: 2017



- **Goals:**
 - Measure changes in shoreline vs. boat angler use
 - Determine angler catch rates
 - Establish baseline creel information now that rainbow trout are being stocked again
- **Stratified access-point survey**
 - Primary sampling unit was a 12-h day from 0600-1800, with a secondary 4-h survey block
 - Survey days were stratified into high angler use days (Fri-Sun) and low angler use days (Mon-Thurs)
- **Three creel days per month**
 - Two on high use days and one on low use days

Willow Beach 2017 Creel Results



Nevada Department of Wildlife- Creel Interviews, Feb- Dec. 2017			
Number of interviews/groups	208	Number of days surveyed	24
Mean group size	1.6	Mean trip length (hours)	3.75
		Fishing pressure (angler hours)	1153

Reported Home State	Percent of Anglers	Number of Anglers
Nevada	85.0	288
Arizona	11.0	38
California	3.0	10
Other	1.0	3
		339 Individuals

Willow Beach 2017 Creel Results



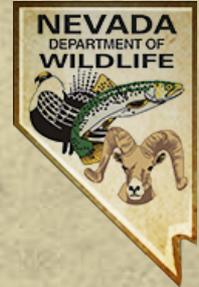
- Shoreline anglers (n=252) 74.3% vs. boat anglers (n=87) 25.7%

Percentage of anglers' target species while fishing at Willow Beach.

Target Species	Boat (n=56)	Shore (n=152)	Total (n=208)
Rainbow trout	9.0	57.8	44.7
Striped bass	94.6	32.8	49.5
Black bass	1.7	2.0	2.0
Channel catfish	1.7	5.2	4.3
No particular species	3.5	14.4	11.5

*Percentages do not equal 100 because anglers could target more than one species

Willow Beach 2017 Creel Results



Catch rates for rainbow trout and striped bass

Catch rate (fish/angler hour)	Boat	Shore	Total
Rainbow trout	$11/37.5=0.29$	$141/426.2=0.33$	$152/460.7=0.33$
Striped bass	$41/373.75=0.11$	$7/280.75=0.02$	$48/654.5=0.07$
All species*	$157/744.2=0.21$	$58/409.25=0.14$	$215/1153.45=0.19$

*Smallmouth bass and channel catfish were also caught in small numbers by boat anglers

Key points and next year



- Shoreline angler effort under 20% in 2016 and almost 75% this year, while number of boats did not change
- 85% of anglers are from Nevada
- Anglers are attempting to catch striped bass from shore at Willow Beach, but are unsuccessful
- Anglers fishing for any species, do not catch fish
- For 2018, more creel days, determine harvest rates, and measure all harvested fish

Largemouth Bass movement Feasibility Study



<https://www.facebook.com/NvDOW/videos/10159676354220453/>

Acknowledgements



- Daniel Chapman, and Casey Korby

