



# Barker Reservoir

## FISH SURVEY AND MANAGEMENT DATA

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**General Information:** Barker Reservoir (198 surface acres) is a storage reservoir owned and operated by Boulder Water. Shore angling is allowed at designated areas. Anglers can expect to most frequently catch brown and rainbow trout. Tiger muskie, splake and lake trout are also present.

More Information: <http://www.bouldercolorado.gov/>

**Location:** 15 miles west of Boulder via HWY 119 or ½ mile east of Nederland.

**Owner/Operator:** City of Boulder

**Purchase a Fishing License:** <https://www.co.wildlifelicense.com/start.php>

**Fishery Management:** Coldwater angling

### Amenities

- Primitive Restrooms
- Hiking Trails
- Shoreline angling

### Regulations

- No watercraft allowed (Boulder Water Regulation).
- No ice fishing.
- Swimming, wading, and diving are prohibited.
- Min. size for Tiger Muskie is 36" (1 fish).
- Use or possession of live fish as bait is prohibited.
- Bag/Possession limit for Kokanee Salmon is 10 fish.**
- Snagging salmon allowed October 1 – December 1.**

### Previous Stocking

#### 2017

Rainbow Trout  
Brown Trout  
Kokanee Salmon  
Tiger Muskie

#### 2016

Rainbow Trout  
Cuttbrow Trout  
Brown Trout  
Kokanee Salmon  
Tiger Muskie

#### 2015

Brown Trout  
Hofer Strain Rainbow  
Rainbow Trout  
Kokanee Salmon  
Tiger Muskie

#### 2014

Arctic Grayling  
Brown Trout  
Hofer Strain Rainbow  
Rainbow Trout  
Kokanee Salmon  
Tiger Muskie

### Sportfishing Notes

#### Rainbow Trout

- Rainbow trout are stocked at both sub-catchable (3-5") and catchable size (10").

#### Tiger Muskie

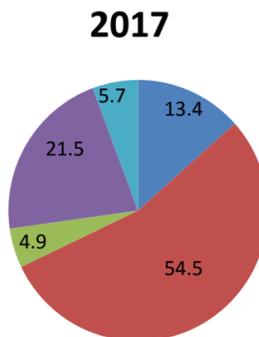
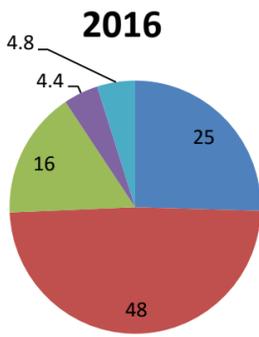
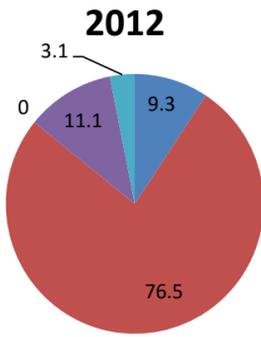
- Large tigers are present in Barker; they appear to roam lake-wide.
- Tigers are stocked in relatively low numbers to provided a diversified fishery and control suckers.
- Generally stocked at 8".

#### Kokanee Salmon

- Originally stocked in 2012.
- Salmon made the first "run" to the inlet Fall 2014.
- Stocked to diversify angling opportunity.
- Spawn take operations may take place during 2017.

## 2017 Barker Reservoir Survey Summary Completed 9/13/2017 (6 Gillnets)

SPECIES	Total Catch	Percent of Survey	Average Length (range inches)	Average Weight (lbs)
CUTTHROAT TROUT	1	0.41%	10.3	0.39
LAKE TROUT	1	0.41%	21.0	3.46
KOKANEE SALMON	53	21.54%	10.9 (4.8-12.4)	0.32
BROWN TROUT	10	4.07%	16.7 (9.7-30.7)	2.75
RAINBOW TROUT	32	13.01%	11.0 (7.1-15.0)	0.54
LAKE CHUB	14	5.69%	4.5 (3.9-5.0)	0.03
WHITE SUCKER	73	29.67%	14.6 (7.4-19.7)	0.17
LONGNOSE SUCKER	61	24.80%	10.3 (4.7-13.8)	0.15
SPLAKE	1	0.41%	7.7	0.20



- Rainbow/Cutthroat
- Sucker
- Kokanee
- Brown/Lake/Splake
- Other

**Pie Charts.** These figures represent the relative abundance by year (2012, 2016, 2017) of various trout, kokanee, and sucker (longnose and white). Management plans for Barker Reservoir following the 2008 season have focused to reduce sucker abundance while simultaneously increasing sportfish biomass. Stocking predatory trout species (lake, splake, and brown) combined with switching to a hofer-strain sub-catchable rainbow has partially accomplished these objectives. Relative to 2008 numbers the goal of reducing sucker biomass has been successful but still needs work. To maintain sucker abundance closer to 50% of the total catch tiger muskie and brown trout will continue to be stocked.



Barker Reservoir 39.8" 15.5 lbs

**Tiger muskie** have been stocked in Barker Reservoir. Fortunately this species was available for stocking in 2012. The Wray hatchery has delivered nearly 3,500 muskie averaging 8.7 inches since October, 2012.

Kokanee Salmon were first stocked into Barker Reservoir in May 2012. This stocking created the first run of salmon to the inlet during October/November 2014 resulting in the harvest of thousands of fish. Snagging kokanee salmon is a legal method of take between October 1 and December 1.

