

NEVADA DEPARTMENT OF WILDLIFE  
STATEWIDE FISHERIES MANAGEMENT



FEDERAL AID JOB PROGRESS REPORTS

F-20-49  
2013

HOBART RESERVOIR  
WESTERN REGION



**NEVADA DEPARTMENT OF WILDLIFE, FISHERIES DIVISION  
ANNUAL PROGRESS REPORT**

**State:** *Nevada*  
**Project Title:** *Statewide Fisheries Program*  
**Job Title:** *Hobart Reservoir*  
**Period Covered:** *January 1, 2013 through December 31, 2013*

**SUMMARY**

The mail-in angler questionnaire data estimated use at 527 anglers and 1,702 angler days in 2012. Total catch was 23,792 fish and the success rate was 13.98 fish per angler day.

Hobart Reservoir was stocked on four occasions in 2013. The reservoir received a total of 1,723 catchable rainbow trout, 1,028 sub-catchable tiger trout, and 1,006 and catchable tiger trout.

**BACKGROUND**

Hobart Reservoir is located in the Toiyabe National Forest at an elevation of 7,650 ft in the Carson Range. The reservoir is surrounded by conifer and aspen dominated forest. Hobart Creek, fed by snowmelt runoff as well as spring sources, is the main tributary to the reservoir. The initial dam was completed in 1877 and was subsequently rebuilt in 1956 after a washout the previous year. State of Nevada currently owns the reservoir. The present reservoir covers approximately 10 SA, stores 110 acre-ft of water, and has a maximum depth of 15 ft.

Hobart Reservoir supports hatchery maintained populations of rainbow trout, bowcutt trout, and tiger trout. Brook trout are abundant and self-sustaining. Hobart Reservoir was opened to public fishing in 1981. It is managed under the coldwater General Fishery Management Concept, which establishes an objective for angler success rates of 0.25 to 0.75 fish per hour and 1.0 to 2.0 fish per angler day.

**OBJECTIVES**

General Management Objectives:

- Conduct a general assessment of angler use, success, and harvest through opportunistic angler contacts, return of angler drop-box surveys, and mail-in angler questionnaire data.
- Maintain the Angler Information Center and angler drop-box when on site.
- Set gill nets for 2 net-nights in the fall.

## PROCEDURES

**Conduct a general assessment of angler use, success, and harvest through opportunistic angler contacts, return of angler drop-box surveys and mail-in angler questionnaire data.** One scheduled visit was made to Hobart Reservoir in the fall subsequent to the season closure to maintain the angler information center and angler drop-box. The drop-box was found to hold neither completed angler surveys nor spare blank surveys. Because it had been restocked the previous fall, it appears all blank surveys must have been vandalized early in the year.

Angler use and success at Hobart Reservoir was assessed through the Department's Mail-In Angler Questionnaire Survey. Angler questionnaire data is derived from a survey that is mailed to about 10% of license purchasers.

**Maintain the Angler Information Center and angler drop-box when on site.** One scheduled visit was made to Hobart Reservoir in the fall subsequent to the season closure to maintain the angler information center and angler drop-box. The drop-box was found to hold neither completed angler surveys nor spare blank surveys. Because it had been stocked the previous fall, it appears all blank surveys must have been vandalized early in the year.

**Set gill nets for 2 net nights in the fall.** This objective was not completed in 2013 due to man time constraints and attention given to other projects. Gill net surveys were conducted at Wall Canyon Reservoir and Squaw Creek Reservoir instead. The gill net survey will be rescheduled for a later date.

## FINDINGS

**Conduct a general assessment of angler use, success and harvest through opportunistic angler contacts, return of angler drop-box surveys and mail-in angler questionnaire data.** One visit was made to Hobart Reservoir this year; however, no opportunistic angler contacts were made as the season was closed at the time of the visit.

The mail-in angler questionnaire data estimated use at 527 anglers and 1,702 angler days in 2012. Total catch was 23,792 fish and the success rate was 13.98 fish per angler day. Estimates for number of anglers and angler days were very similar to the 512 anglers and 1,500 angler days found the previous year and remain well above the 33 yr average (1980 – 2012) for the reservoir. Estimates for total fish and fish per day, however, were both among the all-time highs ever found at the reservoir.

### Stocking Program

Hobart Reservoir was stocked on four occasions in 2013. The reservoir received a total of 1,723 catchable rainbow trout, 1,028 sub-catchable tiger trout, and 1,006 catchable tiger trout.

Table 1. Hobart Reservoir Stocking Summary – 2013

Date	Species	Number	Size (in.)	Strain
6/28/13	Rainbow	722	9.9	Triplloid
7/8/13	Rainbow	1,001	9.4	Tahoe
<b>Rainbow Total</b>		<b>1,723</b>	<b>9.4 – 9.9</b>	
6/28/13	Tiger	1,028	4.2	Tiger
10/2/13	Tiger	1,006	7.1	Tiger
<b>Tiger Total</b>		<b>2,034</b>	<b>4.2 – 7.1</b>	
<b>Total (All Fish)</b>		<b>3,757</b>		

Table 2. Hobart Reservoir Stocking History 2008 – 2012

Year	Species	Number	Size Range (in.)
2008	Tiger	1,010	7.9
<b>2008 Total</b>		<b>1,010</b>	
2009	Rainbow	999	10.1
	Tiger	527	7.1
<b>2009 Total</b>		<b>1,526</b>	
2010	Rainbow	999	10.2
	Tiger	1,522	11.4
<b>2010 Total</b>		<b>2,521</b>	
2011	N/A	0	N/A
<b>2011 Total</b>		<b>0</b>	
2012	Rainbow	1,097	10.2 – 10.3
	Tiger	1,050	11.3
<b>2012 Total</b>		<b>2,147</b>	
<b>Total</b>		<b>7,204</b>	

**Set gill nets for 2 net nights in the fall.** This objective was not completed in 2013 due to man time constraints and attention given to other projects. Gill net surveys were conducted at Wall Canyon Reservoir and Squaw Creek Reservoir instead. The gill net survey will be rescheduled for a later date.

### MANAGEMENT REVIEW

Angler success rates documented from the Mail-in Angler Questionnaire Survey far exceed the guidelines prescribed in the Coldwater General Fishery Management Concept. This fishery is generally popular with anglers for producing high catch rates and an opportunity to fish in a semi-remote setting.

### RECOMMENDATIONS

General Management Objectives:

- Conduct a general assessment of angler use, success, and harvest through opportunistic angler contacts, return of angler drop-box surveys, and mail-in, angler questionnaire data.
- Maintain the angler information center and angler drop-box when on site.
- Set gillnets 2 net-nights in the fall.

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