

FISHERY MANAGEMENT  
ON THE  
DUCK VALLEY INDIAN RESERVATION  
SHOSHONE-PAIUTE TRIBE

1993  
ANNUAL REPORT

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## INTRODUCTION

This report will serve as the final for fisheries management work conducted by the U.S. Fish and Wildlife Service (Service) on the Duck Valley Indian Reservation in 1993. The 1993 work is a continuation of work originally initiated and recommended by Burge and Miller (1990) in the Fishery Management Plan (FMP) for the Shoshone-Paiute Tribe. This work is in accordance with the Northwest Power Planning Council, Columbia River Basin Fish and Wildlife Program, Section 903(g)(2)(A). The 1993 work covered five objectives.

1. Technical assistance for fishery needs.
2. Evaluation of rehabilitation work in Mountain View Reservoir.
3. Continued evaluation of the fisheries at Duck Valley.
4. Monitor the census program evaluating the sport fishery.
5. Stock Eagle Lake rainbow trout into Duck Valley reservoirs.

## TECHNICAL ASSISTANCE

In 1993 much of the assistance we provided the tribe was on their growout ponds and this is reported on in the growout pond section later in this report.

Other assistance we provided the Tribe included, the aquatic vegetation problem (see Aquatic Vegetation section) and in-season stocking of additional fish (see 1992 stocking section).

We also recommended numbers, size, and strain of rainbow trout for 1994 stockings into Duck Valley Reservoirs as shown in Table 1.

Table 1. Recommendations for stocking Duck Valley Reservoirs in 1994.

No. of fish	Approximate Size	Strain
200,000	5 inches	Eagle Lake rainbow trout
100,000	5 inches	commercial rainbow trout
22,000 lbs. (33,000 fish)	10-12 inches	commercial rainbow trout

Hagerman NFH will be able to rear 200,000 Eagle Lake rainbows for stocking in 1994, therefore the usual purchase of 100,000 fingerlings from CSI is unnecessary. We requested 260,000 eggs for delivery to Hagerman NFH in December, 1993.

## GROWOUT PONDS

We provided the Tribe with options for the rehabilitation of Lambs Pond. As mentioned in previous letters and the 1992 Annual Report, there are a number of problems with the utilizing the growout ponds. The problems included: drainage, feeding, summer flow, water temperature, sediment, cattle grazing, shallow, sloping sides, bird predation, and irregular shape.

Also as seen in Boyle Pond there are problems even after rehabilitation. The problems at Boyle Pond are its large size, fish finding the feeders, the outflow screen, fish moving up Boyle Creek, moving the fish out of the pond and into Mountain View Reservoir, summer flows, temperatures, and algae growth. An additional problem that appeared after draining was the erosion of the sides which will necessitate the installation of rip-rap.

The above listed problems would also occur at Lambs Pond with the exception of the large size, however, access to Lambs could be another problem in early spring when the roads are wet and muddy. Muddy roads could make stocking Lambs Pond difficult and then daily checks and feedings may be delayed due to road conditions. Another problem that would be bad at Lambs Pond is the lack of summer flows. Typically there is no water flowing in Sheep Creek or through Lambs Pond in the summer, this would require releasing the fish in late spring or early summer. Releasing the fish after only two or three months does not allow them time to grow and negating the very reason for using the growout pond to begin with. The one advantage Lambs Pond has over Boyle Pond is the ability to easily drain the pond and release fish into Sheep Creek Reservoir.

We recommended waiting with any rehabilitation plans for Lambs Pond until the problems with Boyle Pond are corrected and the growout pond is working well. That would allow design changes to be built into Lambs Pond to eliminate or reduce problems. For example, if you find that floating platforms work better than docks for feeding fish, platforms should be installed in Lambs Pond. However, at this time that information is still unknown.

As mentioned above after one season of rearing fish in Boyle Pond we identified some problem areas and made the following recommendations to help rectify them:

1. After fish are stocked in the spring they should be feed at the demand feeders to train them to where the feeders are located. The feedings can either be by hand 4 or more times a day or by operating automatic belt feeders placed on top of the demand feeders. Whatever method used, training should continue until the fish are feeding on their own, usually about 2 weeks.
2. Reduce the size of the growout pond to permit better management of the fish. *Options A-D listed below.*

3. Install rip-rap on the sides of the pond to prevent further erosion. The rip-rap needs to be placed as steeply as possible to prevent shallow areas.
4. Install floating docks with feeders, the docks would be better than posts as they will be self adjusting, meaning as water level change the feeders will still operate properly.
5. Conduct weekly checks and tightening of bolts on rotary drum screens to prevent the drum from coming apart.
6. Increase water flow through the Boyle Pond to help reduce algae growth. I realize this will be difficult to sustain throughout the season, therefore annual draining of the pond are recommended to prevent large accumulation of algae and aquatic vegetation.
7. Install a slanted debris rack (pipe) in front of rotary drum screen to prevent large amounts of debris from clogging the drum screen.

One of the biggest problems with using Boyle Pond was that once the pond was filled it was very large. This size made it difficult to manage the fish after stocking. In order to reduce the size to something more manageable we listed the following options:

- A. Construct a levee across the narrow section upstream of the upper feeder dock. The levee will require a large concrete opening with guides for installing a slanted debris rack (pipe) which will allow a large volume of water to pass, but keep the fish on the side with the feeders. The levee will also need to be rip-rapped on both sides to prevent erosion, such as happened along the shores of Boyle Pond.
- B. Construct a raceway upstream of the pond, by widening a section in the creek. While this may work and give you a workable size pond it would mean abandoning Boyle Pond and starting in a new area.
- C. Install net-pens within the pond. This option would have problems with algae and water flow through the net.
- D. Construct a raceway along one side and/or above pond level. This option would probably mean pumping, piping, or somehow routing water into, and out of, the pond.

## AQUATIC VEGETATION PROBLEM

In July, I talked with Dr. Sallie Sheldon a biology professor at Middlebury College in Vermont. She has been working on Eurasian watermilfoil control and has discovered a tiny weevil, (*Euhrychiopsis lecontei*), that is native to North America. The weevil bores into the stem of the milfoil, causing the plant tissue to rot and thereby killing the plant. It is thought the weevil is responsible for the recent decline of large populations of milfoil in several lakes in New England. She told me what to look for to see if the weevil is present, but I was unable to find it in Mountain View this last summer. A co-worker of Dr. Sheldon's looked for the weevil in Washington and Oregon this last summer, but only found it in Washington. That does not mean it is not present in Oregon, or Idaho for that matter, it just has not been documented. They felt that it will just be a matter of time before it is documented, which should allow for an easier introduction into Duck Valley waters.

Dr. Sheldon was also very knowledgeable in the other control methods being used throughout the country. They are reviewed below:

1. Drawdown - Dr. Sheldon said that based on her experience drawdowns only slow the growth slightly and when the milfoil comes back, it comes back quick and thicker.
2. Chemical treatment - Short term control of milfoil in shallow water. Not too effective when applied into water and best when applied directly on exposed milfoil. Chemical treatment can be expensive when treating a large area and it needs to be reapplied on a regular basis.
3. Mechanical harvest - There are a number of various harvest methods: ones that cut the milfoil near the substrate, some that dig the milfoil, and others that cut the milfoil into numerous small pieces. None of the methods will eliminate the milfoil and only attempt to control it. Unfortunately, since the milfoil roots from fragments the harvesting also helps to spread it. This method is costly, labor intensive, and the machines are difficult to obtain. This process also needs to be repeated at regular intervals.
4. Bottom barrier - This method of control involves covering the bottom with a liner to prevent plant growth and kill any milfoil covered by the liner. The method is expensive and difficult to apply in deeper water. Generally it used only in shallow swimming areas.
5. Grass carp - This control method has not proven too successful. Eurasian water milfoil is not a desired food of the grass carp and is only eaten after all other aquatic plants are gone. Also in northern localities the grass carps metabolism and food intake are low due to colder water temperatures.

6. Weevil - As mentioned above this method of control holds the most promise. The weevil is native to North America, but is not presently documented in Idaho. Research is ongoing and will provide more answers over time.

7. Fungus - This (like the weevil) is still in the developmental stage. However, it also holds promise since fungi are very specific in selecting prey species and therefore should only attack the milfoil.

In retrospect, the water drawdown in Mountain View Reservoir did help to reduce the watermilfoil problem in 1993. The only locations milfoil was found was in shallow backwater areas and in deeper areas that did not go dry in 1992. In these deeper areas the milfoil does not reach the surface it just carpets the bottom. So in 1992 the milfoil did not become a major problem with either shore or boat fisherman. However, the drawdown can only be considered a temporary solution and an effective control method is still needed.

## FISHERIES EVALUATION

We sampled Duck Valley Reservoirs in the spring and fall of 1993. During our spring sampling on May 5, 1993 we fished two experimental gill nets overnight in Sheep Creek Reservoir. In Mountain View Reservoir, which was not stocked in 1992, we fished the two experimental gill nets during daylight hours in an effort to just sample tui-chubs. In our fall sampling on September 22, 1993 we only fished one experimental gill net overnight in each reservoir. This occurred because of boat problems which prevented the sampling on one night. Length frequencies of the rainbow trout captured in May and September in Sheep Creek Reservoir are shown in Figure 1. Not displayed on the May graph for Sheep Creek Reservoir rainbow trout captures is 16 small trout just stocked the day before sampling by Hagerman NFH. Length frequencies of the rainbow trout captured in May and September in Mountain View Reservoir are shown in Figure 2. In the May graph in both Figures 1a and 2a you can see the catchables stocked that spring in the 250 - 280 mm range. Then in the September graphs in Figures 1b and 2b you can identify that same group in the 325 - 360 mm range. This is the typical summer growth of approximately 75 mm (3 inches) found in Duck Valley reservoirs.

Approximately 47 tui-chubs were captured in the May 1993 sampling in Sheep Creek Reservoir and 480 in the September sampling (Figure 3a). While the September number seems high, at this time we are not too concerned. The majority of tui-chubs in Sheep Creek were small (under 100 mm) and should provide excellent food for the Eagle Lake rainbow trout. As mentioned in Burge and Miller 1991, 8,000 8-inch Eagle Lake rainbows were stocked into Sheep Creek Reservoir in the summer of 1991. The survivors of these fish should have been large enough to begin eating tui-chubs by the summer 1992. If the number of fish stocked in 1991 had been greater, the increase of chubs in 1993 would have probably been less. Also the 81,000 4.5-inch Eagle Lake rainbows stocked in 1992 should be large enough to eat tui-chubs by summer 1994. So we are hopeful that the tui-chubs will provide an excellent food source for the Eagle Lake rainbows and that this rainbow trout strain will help prevent an over abundance of the tui-chubs.

Only 21 tui-chubs were captured in gill nets in September in Mountain View Reservoir (Figure 3b). We believe that the drawdown and gill netting of tui-chubs was effective in reducing their numbers. Hopefully, the stocking of Eagle Lake rainbows in 1993 will control their return. Fish stocked in 1993 should start eating chubs in 1995.

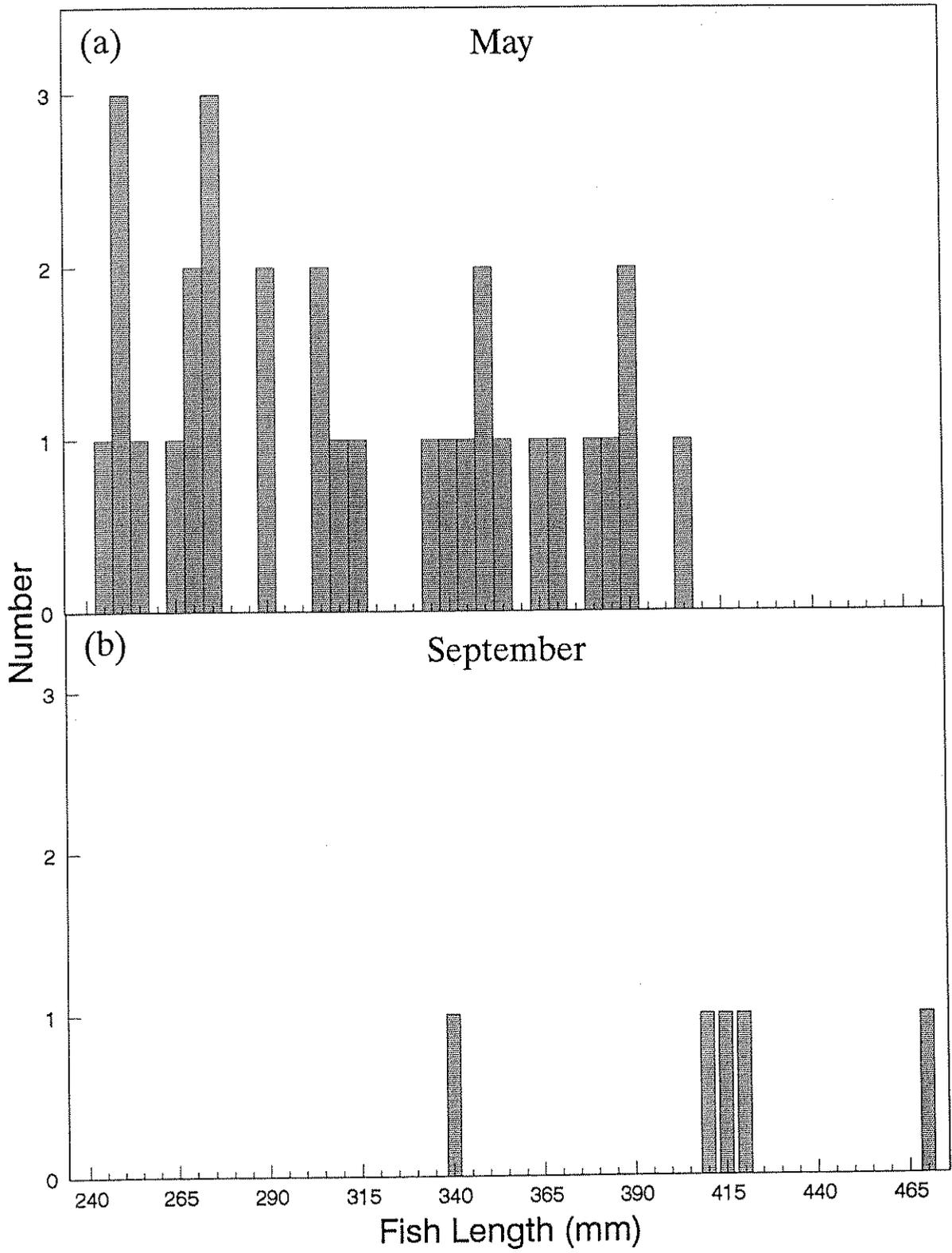


Figure 1. Length frequency for rainbow trout captured in gill nets in Sheep Creek Reservoir, 1993.

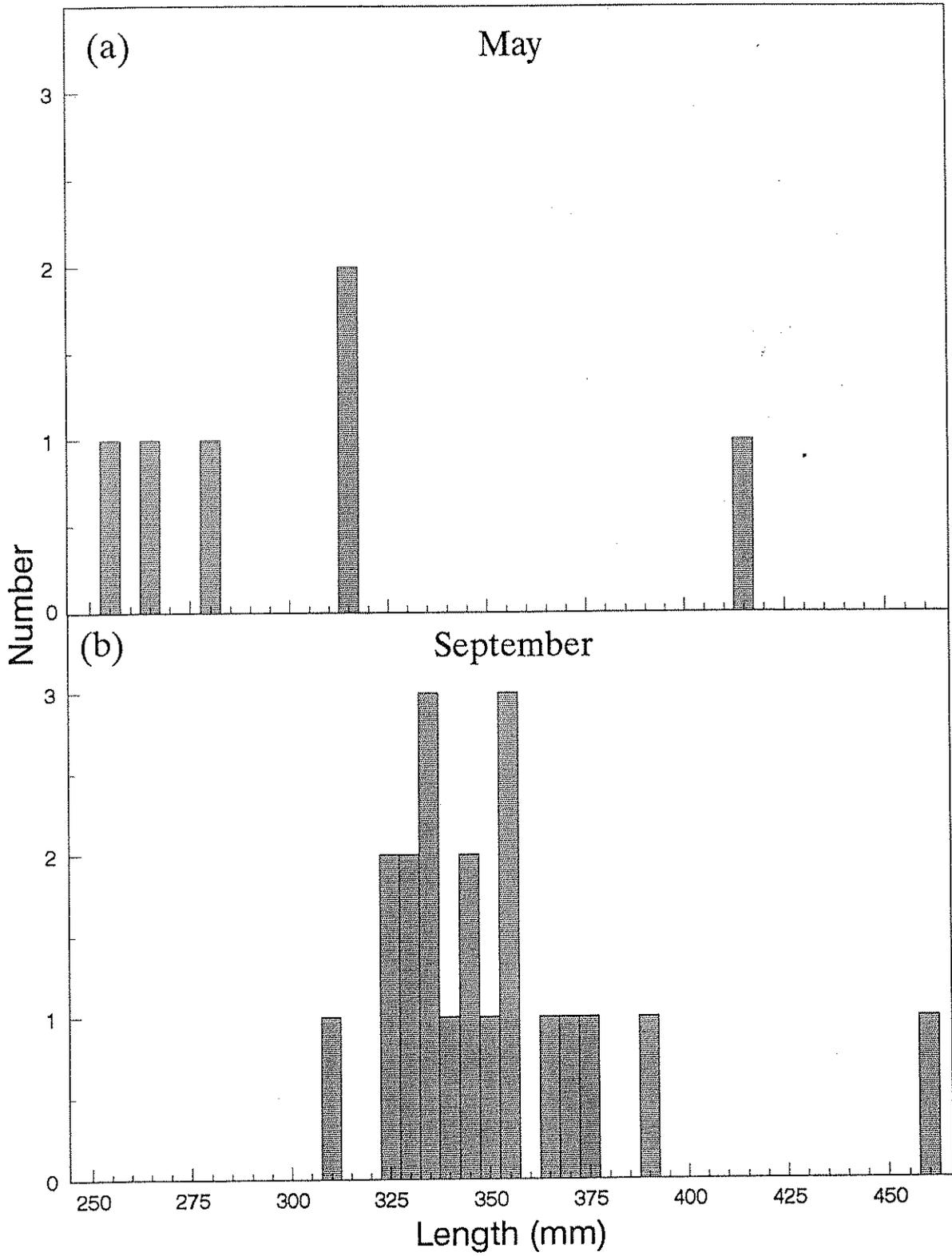


Figure 2. Length frequency for rainbow trout captured in gill nets in Mountain View Reservoir, 1993.

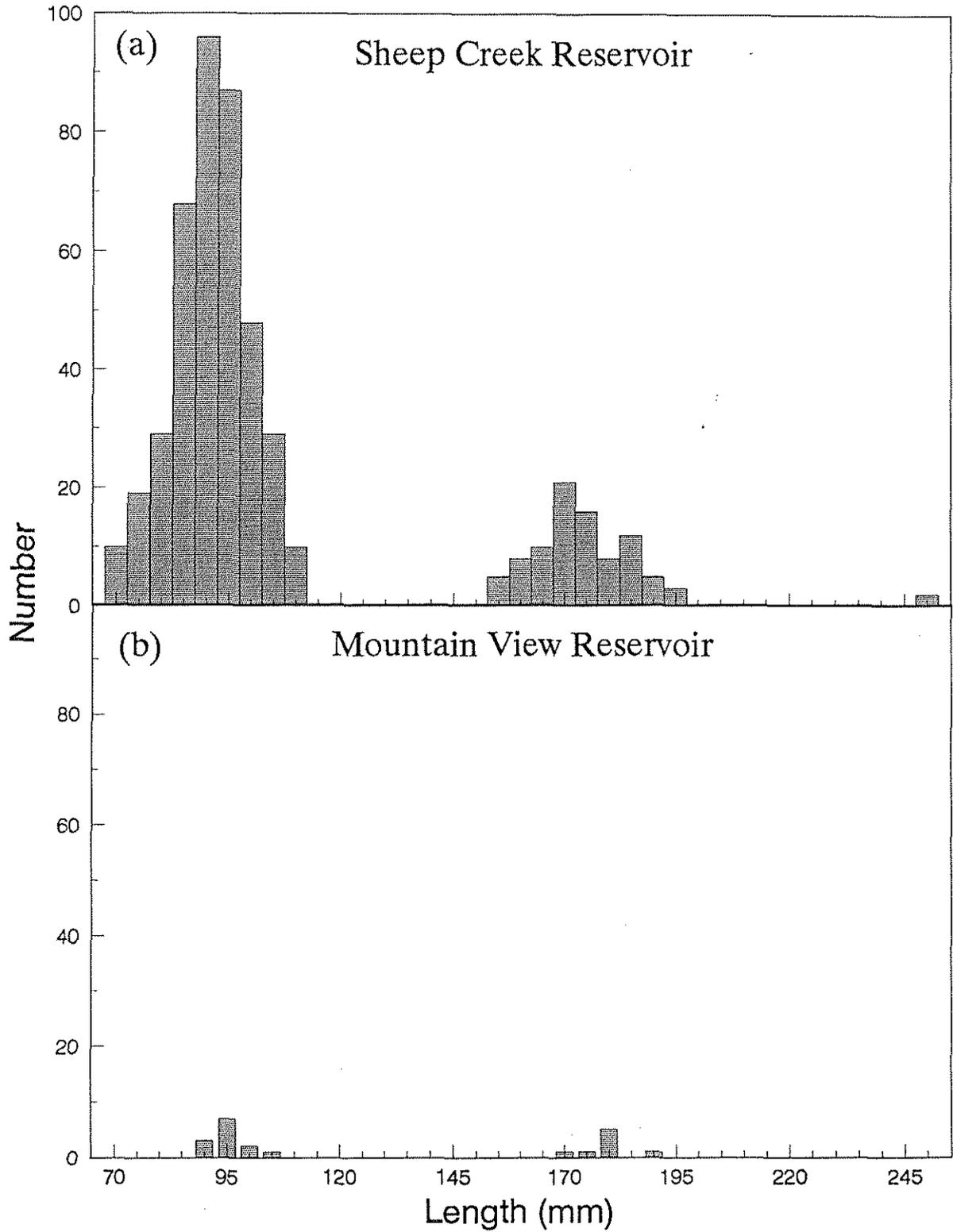


Figure 3. Length frequency for tui-chubs captured in gill nets in Sheep Creek and Mountain View Reservoirs, September 1993.

## CREEL SURVEY

In last years annual report (Burge and Miller 1992) we reported on a limited creel survey the Tribal wardens conducted . This survey provided information on, the quality of sport fishing, fishing pressure, and characteristics of fishermen. We recommended that a more extensive survey be conducted in 1993.

In 1993, Tribal wardens conducted 23 creel surveys at Mountain View and Sheep Creek Reservoirs. At Mountain View Reservoir a total of 60 groups (156 fishermen) were interviewed (Appendix Table 1). At Sheep Creek Reservoir a total of 69 groups (167 fishermen) were interviewed (Appendix Table 2). Catch rates (when fish were caught) ranged from 6 minutes per fish to 26 hours per fish with an average of approximately 1 hour per fish (Appendix Table 3). The average number of fish caught was 2 to 3 fish per angler per day (this is probably an underestimation since most fishermen were not done fishing at the time of the interview). The average fisherman has fished at Duck Valley before (26 out of 26 replies) and stays an average of 1.75 days. Most anglers indicated they would prefer to catch large fish rather than a lot of smaller fish (68 out of 70 replies). Fishing success at Duck Valley was fairly close between reservoirs, with Mountain View rating slightly higher with a catch rate of .9 versus 1.23 hrs/fish/person, in Sheep Creek Reservoir. Success also varied between months with July and August rating as the best fishing, with a catch rate of 1.02 for July and .96 hrs/fish/person for August. Monthly summaries are displayed in Appendix Tables 4,5,6,7, and 8.

Overall 63 percent of the time the fishing was rated as Good or better, the totals for the various ratings are as follows:

Very good - 10; Good - 53; Fair - 20; Slow - 10; Poor -7; (Total - 100 responses)

Unfortunately, one or two negative reports always tend to overshadow positive reports and often all the Tribe hears is the negative reports of how bad the fishing is. We believe the random creel survey shows that fishing at Duck Valley *is* improving.

The lengths of fish caught and measured during the survey are shown in Figure 4. The graph indicates that catchables provide the majority of fish kept. The fewer number of fish in the larger size brackets (>17 inches) are a good indication that few catchables are carrying over winter to enter the next years fishery. Hopefully in the next few years the smaller fish stocked in 1991 to 1993 will come into the fishery and these fish should start to provide more of a large fish fishery in future years.

The data presented, while more extensive than 1992 are still based on a limited survey, they are, however, a good indication of trends. One trend we did see in this years survey is an increase of fly fishermen fishing catch and release. A total of 16 fly fishermen were surveyed, most fishing catch and release. We recommend, if possible, the survey be continued in 1994 since it provides useful information. Also, as the Eagle Lake rainbows get

larger, a creel survey would provide data to indicate how well they are contributing to the fishery. We have provided a schedule for 1994 survey dates (Table 10).

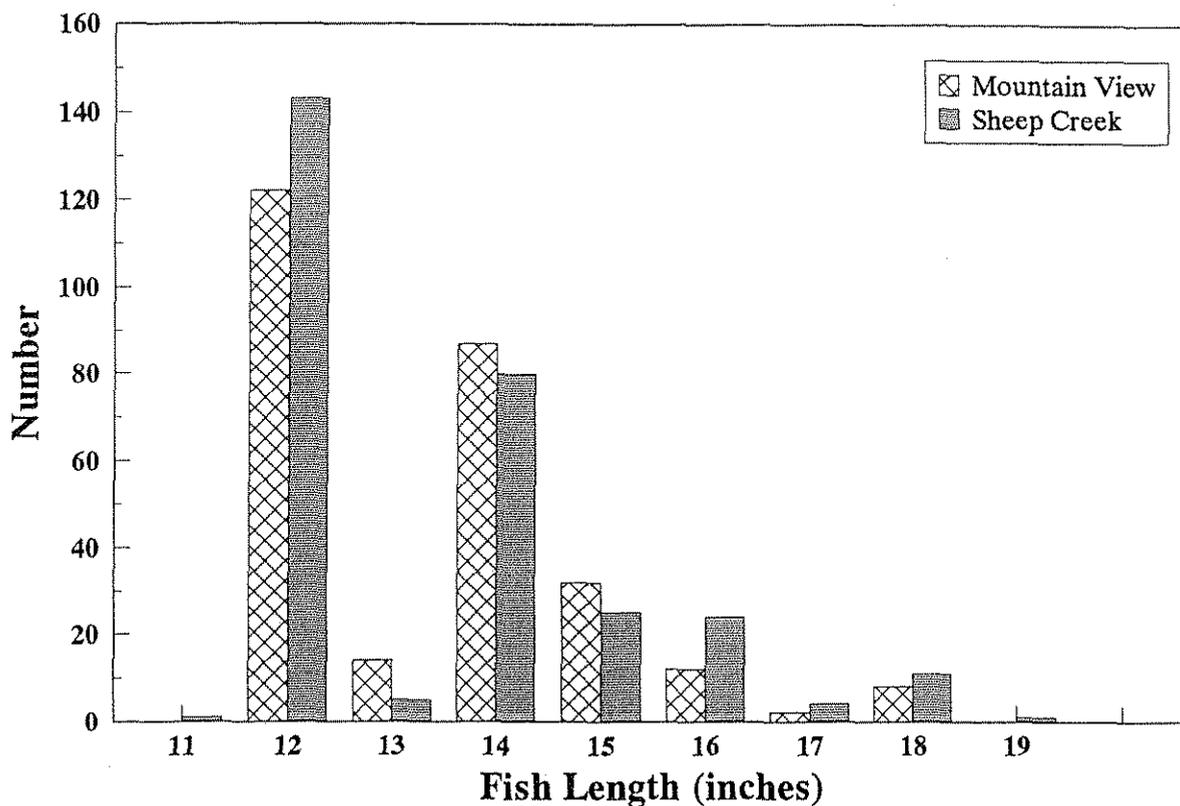


Figure 4. Lengths of fish measured during creel survey at Duck Valley Reservoirs, May - September, 1993

Table 10. Proposed schedule for 1994 creel surveys at Duck Valley reservoirs.

May	June	July	August	September
Tue 10	Sun 5	Sat 2	Sun 7	Sat 3
Thu 12	Wed 8	Wed 6	Tue 9	Sun 11
Sat 14	Sun 12	Sun 10	Sat 13	Thu 15
Tue 17	Fri 24	Mon 18	Thu 18	Sat 17
Sun 22	Mon 27	Tue 26	Sun 21	Fri 23
Tue 31	Thu 30	Fri 29	Fri 26	Tue 27

## 1993 FISH STOCKING

In 1993 fish were stocked into Sheep Creek and Mountain View Reservoirs, Boyle Pond, and the Owyhee River within the reservation boundary. The numbers, size of fish, and date of stockings are listed in the Table 11.

Table 11. Fish stocked into Duck Valley waters in 1993.

Area Stocked	Date Stocked	Approximate Number of Fish	Average Size of Fish
Sheep Creek Reservoir	March 31, 1993	50,600	4.5 inches
	April 7, 1993	49,400	4.5 inches
	April 10 & 17, 1993	18,600 (12,400 lbs.)	10 inches
	May 3, 1993	60,900	4.5 inches
Mountain View Reservoir	March 25, 1993	25,000	4 inches
	April 6,7, & 9, 1993	19,050 (12,700 lbs.)	10 inches
	May 3, 1993	55,500	4.5 inches
Boyle Pond ( <i>fish released into Mtn. View on 8-6-93</i> )	April 30, 1993	27,800	4 inches
	May 5, 1993	20,700	4 inches
	May 28, 1993	20,250	4.5 inches
Owyhee River	June 7, 1993	3,000 (2,000 lbs.)	11 inches

We have stocked Eagle Lake rainbow trout from Hagerman National Fish Hatchery (NFH) in Sheep Creek Reservoir in 1992 and 1993 and in Mountain View Reservoir in 1993. The Eagle Lake rainbow eggs are typically received at Hagerman NFH in December from Ennis NFH in Montana. They are hatched and reared at Hagerman NFH until stocking in late April. Hatchery personnel have noted that the Eagle Lake strain is "wilder" than other rainbow strains they have raised. This is good for Duck Valley waters since this indicates they have not become as domesticated as other strains. This trait should allow the fish to adapt easier to reservoir conditions. During the first year of rearing the rainbows at Hagerman a problem with Infectious Hematopoietic Necrosis Virus (IHNV) developed before stocking. This virus reduced the number of fish available for stocking in 1992. Before the 1993 season, fish rearing ponds at Hagerman NFH were covered with bird netting. The netting proved successful in preventing disease and eliminated bird predation. Overall survival of the fish from the time of initial feeding to distribution was 87.8 %. On May 3, 1993 approximately 61,000 Eagle Lake rainbows were stocked into Sheep Creek Reservoir and 55,500 were stocked into Mountain View Reservoir (Table 11). This total of 116,500 rainbows exceeded the preseason estimate of 91,000 fingerlings that would be available for stocking.

## LITERATURE CITED

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## APPENDIX

Table 1. Creel survey data collected at Mountain View Reservoir, 1993.

Date	No. in fishing Party	Time started fishing	Time of survey	Total Hours Fished	No. of trout caught	No. of hrs/fish /person	No. of trout kept	Boat- B Shore-S	Large Fish Preferred	Return Anglers	Overall Rating	Length of stay (days)
05/20/92	2	8.50	11.50	3.00	4	1.50	4	B	Y		Very Good	3
05/28/92	1	9.50	12.75	3.25	4	0.81	4	B	Y	Y	Very Good	2
	2	6.50	14.25	7.75	10	1.55	10	S			Very Good	2
	6	7.00	15.25	8.25	15	3.30	6	B	Y	Y	Fair	3
06/03/92	2	7.50	10.50	3.00	0		0	S		Y	Poor	2
	2	6.50	11.00	4.50	3	3.00	2	S	Y	Y	Poor	2
	2	10.50	15.00	4.50	2	4.50	2					2
06/06/92	2	8.50	11.25	2.75				Fly		Y		2
	3	8.50	11.50	3.00				Fly		Y	Good	1
	2	9.50	11.40	1.90	3	1.27	3			Y	Fair	2
06/09/92	4	8.50	15.50	7.00	20	1.40	20	B				3
	2	9.50	16.00	6.50				Fly				1
	2	8.50	16.25	7.75	10	1.55	10	B		Y	Good	3
	3	8.50	16.30	7.80	15	1.56	15	B	Y	Y	Good	3
06/13/92	3	8.50	15.50	7.00	14	1.50	14	B				1
	1	13.00	16.00	3.00	9	0.33	0	B				1
	6	7.00	15.00	8.00	16	3.00	16	B	Y		Good	1
	2	7.50	15.25	7.75	12	1.29	12	B				1
	4	8.00	10.30	2.30	5	1.84	5	B	Y		Good	2
	2	8.50	11.00	2.50	1	5.00	0	Fly			Good	1
	3	8.00	13.50	5.50	2	8.25	2	B	Y		Good	1
	2	8.50	13.75	5.25	7	1.50	7	S				1
06/24/92	4	7.50	15.20	7.70	16	1.93	8	B	Y		Good	2
	3	8.25	15.25	7.00	4	5.25	4	B				2
	2	8.50	17.25	8.75	6	2.92	3	S	Y			2
	5	7.50	15.50	8.00	9	4.44	6	B/S				2
07/01/92	2	9.50	11.25	1.75	0		0	S		Y	Slow	1
	2	7.50	11.30	3.80	4	1.90	4	B			Fair	3
	2	8.50	13.50	5.00	7	1.43	7	S	Y		Good	2
	7	8.50	13.60	5.10	6	5.95	6	S			Good	2
	2	9.50	15.00	5.50	2	5.50	2				Slow	1
	2	8.50	14.30	5.80	15	0.77	0	Fly	Y		Good	2
07/10/92	2	9.50	12.20	2.70	10	0.54	10	B			Good	1
	2	8.25	12.25	4.00	9	0.89	0	Fly	Y			1
	2	10.50	12.50	2.00	6	0.67	0	B	Y		Good	2
	1	10.50	12.75	2.25	4	0.56	1	Fly	Y		Good	1
	2	9.50	12.75	3.25	8	0.81	0	Fly	Y			1
07/15/92	4	9.50	13.00	3.50	18	0.78	18	B	Y		Good	1
	2	8.50	13.10	4.60	6	1.53	6	S			Good	2
	2	14.50	16.25	1.75	3	1.17	0	Fly	Y			1
	3	13.25	16.50	3.25	2	4.88	0	Fly	Y			1
	4	9.50	16.50	7.00	6	4.67	6	S			Good	2
	3	14.25	16.50	2.25	4	1.69	4	S				1
07/25/92	1	9.50	14.50	5.00	5	1.00	5	B			Good	1
	2	8.50	14.70	6.20	3	4.13	3	S				1
08/04/92	2	8.50	14.25	5.75	8	1.44	6	B				1
	2	7.50	15.30	7.80	7	2.23	7	S				1
08/08/92	5	9.50	15.00	5.50	6	4.58	4	B	Y		Good	2
	1	9.75	15.25	5.50	4	1.38	3	B				1
08/19/92	3	8.50	14.25	5.75	6	2.88	5	S	Y		Slow	2
	2	8.50	13.00	4.50	12	0.75	0	Fly	Y		Good	1
	2	8.50	13.25	4.75	15	0.63	0	Fly	Y		Good	1
08/25/92	2	8.25	14.10	5.85	5	2.34	3	B/S	Y		Slow	1
	4	8.50	14.25	5.75	7	3.29	4	B	Y		Good	1
08/27/92	2	9.50	14.25	4.75	8	1.19	8	B				1
	2	8.25	16.00	7.75	4	3.88	4	S	Y		Good	3
09/16/92	2	7.50	15.25	7.75	6	2.58	6	S	Y		Good	2
	2	8.50	15.25	6.75	2	6.75	2	S	Y		Poor	2
	4	7.00	15.00	8.00	7	4.57	7		Y		Good	2
	2	7.50	15.20	7.70	3	5.13	3	S	Y		Poor	3
Total	156			312.25	405.00		287					99
Avg/group	2.60			5.20	6.75							1.7
Avg/angler					2.60	0.90						

Table 2. Creel survey data collected at Sheep Creek Reservoir, 1993.

Date	No. in fishing Party	Time started fishing	Time of survey	Total Hours Fished	No. of trout caught	No. of hrs/fish /person	No. of trout kept	Boat-B Shore-S	Large Fish Preferred	Return Anglers	Overall Rating	Length of stay (days)
05/08/92	2	14.50	15.00	0.50	10	0.10	4		Y	Y	Fair	1
	1	8.25	15.00	6.75	3	2.25	3	S	Y	Y	Fair	1
	3	8.25	15.00	6.75	9	2.25	6	B/S	Y	Y	Fair	4
	3	8.50	14.00	5.50	3	5.50	3	S		Y	Fair	1
	4	8.75	14.15	5.40	4	5.40	4	S		Y		1
	2	7.90	14.25	6.35	4	3.18	2	S		Y	Fair	2
05/20/92	3	7.50	13.50	6.00	6	3.00	3	B	Y	Y	Good	2
	2	6.50	14.00	7.50	10	1.50	3	B	Y	Y	Good	3
	2	6.50	14.00	7.50	11	1.36	5	B	Y		Very Good	2
	2	7.00	14.15	7.15	14	1.02	4	B			Very Good	2
	2	9.50	14.15	4.65	3	3.10	2	S		Y	Fair	1
	1	8.50	14.25	5.75	4	1.44	2	B	Y	Y	Fair/Good	3
	2	8.50	13.75	5.25	3	3.50	3	B	Y			2
	3	8.50	13.75	5.25	9	1.75	4	B	Y		Very Good	2
05/24/92	2	7.00	11.00	4.00	2	4.00	2	Fly	Y		Poor	2
	2	7.00	11.00	4.00	4	2.00	4	S	N		Good	2
	10	8.00	11.35	3.35	7	4.79	7		Y		Very Good	10
	2	8.00	11.50	3.50	6	1.17	6	S	Y		Good	1.5
05/29/92	2	9.50	18.50	9.00	30	0.60	0		Y		V. Good	2
	3	10.50	18.70	8.20	19	1.29	5	B	Y	Y	V. Good	3
	2	6.50	18.75	12.25	8	3.06	6	B/S	N	Y	Fair	2
06/03/92	2	6.50	8.50	2.00	15	0.27	0	S	Y	Y		2
	3	12.00	14.50	2.50	4	1.88	4	S		Y	Fair	2
	2	8.50	14.50	6.00	4	3.00	1	S			Fair	2
06/06/92	2	7.00	10.00	3.00	3	2.00	3	S		Y	Fair	2
	2	10.50	11.50	1.00	2	1.00	2	S		Y	Fair	1
06/09/92	2	8.50	13.25	4.75	0		0	S	Y		Poor	1
	3	8.75	13.30	4.55	5	2.73	5	S	Y			1
	2	11.50	13.75	2.25	0		0				Slow	7
	2	9.50	14.50	5.00	0		0	Fly			Slow	2
06/11/92	2	7.00	16.00	9.00	2	9.00	2	S	Y		Slow	2
	2	6.50	16.00	9.50	2	9.50	2	S			Slow	1
	2	11.50	16.50	5.00	6	1.67	6	S	Y		Slow	1
	4	7.50	16.50	9.00	5	7.20	5	S	Y		Slow	2
06/13/92	3	10.50	15.00	4.50	3	4.50	3		Y		Good	1
	3	10.50	13.50	3.00	5	1.80	5	S	Y		Good	1
	4	8.50	13.20	4.70	12	1.57	12	S	Y		Good	2
	2	7.50	13.25	5.75	16	0.72	16	S	Y		Good	2
	2	8.50	13.25	4.75	2	4.75	2	S				1
	2	8.25	13.30	5.05	4	2.53	4	B	Y		Good	1
06/24/92	2	7.50	14.45	6.95	6	2.32	6				Fair	2
	2	10.50	14.50	4.00	5	1.60	5	S	Y		Fair	1
	2	9.50	13.75	4.25	7	1.21	7	S			Fair	1
	1	10.10	14.50	4.40	4	1.10	4				Good	1
	2	10.50	14.30	3.80	6	1.27	6	S	Y		Fair	1
07/01/92	2	6.50	9.50	3.00	8	0.75	0	Fly	Y		Good	2
	1	7.00	9.55	2.55	3	0.85	2	B			Good	3
	2	7.50	13.75	6.25	5	2.50	5				Good	2
	2	8.50	14.00	5.50	6	1.83	6				Good	3
	2	7.50	14.50	7.00	10	1.40	0	Fly	Y		Good	1
07/10/92	2	7.50	15.20	7.70	10	1.54	10	B	Y		Good	1
	2	10.00	15.25	5.25	2	5.25	1	B				2
	2	7.50	15.00	7.50	4	3.75	4	S				1
	3	9.50	15.10	5.60	7	2.40	7	S	Y		Good	1
	3	9.50	14.50	5.00	7	2.14	7	S	Y		Good	1
	2	11.50	14.50	3.00	2	3.00	2	S			Good	1
07/15/92	2	8.50	15.25	6.75	5	2.70	5	S			Good	2
	4	9.50	15.30	5.80	20	1.16	20	S	Y		Good	1
	2	8.50	15.20	6.70	5	2.68	5	S	Y		Good	1
	2	9.50	15.25	5.75	3	3.83	3					1
07/25/92	2	8.25	13.25	5.00	3	3.33	3	S	Y		Good	2
	4	8.75	13.50	4.75	2	9.50	2	S				1
08/08/92	2	8.50	14.00	5.50	8	1.38	8	S	Y		Good	1
	2	8.50	14.20	5.70	3	3.80	3	B				1
09/05/92	2	7.50	11.75	4.25	3	2.83	3	S	Y		Good	2
	4	8.25	13.25	5.00	0		0	S			Poor	2
09/16/92	2	7.50	14.30	6.80	2	6.80	2	S				3
	4	7.50	14.00	6.50	1	26.00	1	S			Poor	1
	2	8.00	14.25	6.25	8	1.56	8	S	Y		Good	1
Total	167			372.40	414.00		285					126.5
Avg/group	2.42			5.40	6.00							1.8
Avg/angler					2.48	1.23						

Table 3. Combined creel survey data collected at Duck Valley Reservoirs, 1993.

Date	No. in fishing Party	Time started fishing	Time of survey	Total Hours Fished	No. of trout caught	No. of headfish kept	No. of trout kept	Boat-B	Large Fish Preferred	Return Anglers	Overall Rating	Length of stay (days)	Where From	
Sheep Cr	05/08/92	2	14.50	15.00	0.50	10	0 10	4	S	Y	Fair	1	Boise	
		1	8.25	15.00	6.75	3	2.25	3	B/S	Y	Fair	4	Boise	
		3	8.25	15.00	6.75	9	2.25	6	S	Y	Fair	1	Boise	
		3	8.50	14.00	5.50	3	5.50	3	S	Y	Fair	1	Boise	
Mtn View	05/20/92	4	8.75	14.15	5.40	4	3.18	2	S	Y	Fair	2	Twin Falls	
		2	7.90	14.25	6.35	4	1.50	4	B	Y	Very Good	3	ID	
		3	8.50	11.50	3.00	6	3.00	3	B	Y	Good	2	Boise	
		3	7.50	13.50	6.00	6	3.00	3	B	Y	Good	3	Hawthorne	
Sheep Cr	05/20/92	2	6.50	14.00	7.50	10	1.50	3	B	Y	Very Good	2	Reno	
		2	8.50	14.00	7.50	11	1.36	5	B	Y	Very Good	2	Hawthorne	
		2	7.00	14.15	7.15	14	1.02	4	B	Y	Fair	1	Nampa/Boise	
		2	9.50	14.15	4.65	3	3.10	2	S	Y	Fair/Good	3	Praeton,CA	
Sheep Cr	05/24/92	1	8.50	14.25	5.75	3	3.50	3	B	Y	Very Good	2	Reno,NV	
		3	8.50	13.75	5.25	9	1.75	4	B	Y	Poor	2	Caldwell,ID	
		2	7.00	11.00	4.00	2	4.00	2	Fly	N	Good	2	Caldwell,ID	
		2	7.00	11.00	4.00	4	2.00	4	S	Y	Very Good	10	CA	
Mtn View	05/28/92	10	8.00	11.35	3.35	7	4.75	7	S	Y	Good	1.5	CA	
		2	8.00	11.50	3.50	6	1.17	6	S	Y	Very Good	2	Boise	
		2	9.50	12.75	3.25	4	0.81	4	B	Y	Very Good	2	GlennFerry,ID	
		2	8.50	14.25	5.75	10	1.55	10	S	Y	Fair	3	Elko,NV	
Sheep Cr	05/29/92	6	7.00	15.25	8.25	15	3.30	6	B	Y	V.Good	2	Boise	
		2	9.50	18.50	9.00	30	0.60	0	S	Y	V.Good	3	Twin Falls	
		3	10.50	18.70	8.20	19	1.29	5	B	N	Fair	2	Kuna,ID	
		2	6.50	18.75	12.25	8	3.06	6	B/S	N	Y	Poor	2	OR
Mtn View	06/03/92	2	7.50	10.50	3.00	0	3.00	2	S	Y	Y	Poor	2	Boise
		2	6.50	11.00	4.50	2	4.50	2	S	Y	Y	Poor	2	Nampa
		2	10.50	15.00	4.50	2	4.50	2	S	Y	Y	Poor	2	McCall,ID
		2	6.50	8.50	2.00	15	0.27	0	S	Y	Fair	2	Gilroy,CA	
Sheep Cr	06/03/92	3	12.00	14.50	2.50	4	1.88	4	S	Y	Fair	2	MtnRanch,CA	
		2	8.50	14.50	6.00	4	3.00	1	S	Y	Fly	2	Boise	
		2	8.50	11.25	2.75	3	3.00	3	Fly	Y	Good	1	Boise	
		3	8.50	11.50	3.00	3	1.27	3	S	Y	Fair	2	Boise	
Sheep Cr	06/09/92	2	9.50	11.40	1.90	3	2.00	3	S	Y	Fair	2	Nampa,ID	
		2	7.00	10.00	3.00	3	2.00	3	S	Y	Fair	1	Carson,NV	
		2	10.50	11.50	1.00	2	1.90	2	S	Y	Fair	3	Napa,CA	
		4	8.50	15.50	7.00	20	1.40	20	B	Y	Fly	1	Mtn Home	
Mtn View	06/09/92	2	9.50	16.00	6.50	10	1.55	10	B	Y	Good	3	Napa,CA	
		2	8.50	16.25	7.75	15	1.56	15	B	Y	Good	3	Napa,CA	
		3	8.50	16.30	7.80	15	1.56	15	B	Y	Good	1	Boise	
		2	8.50	13.25	4.75	0	0	0	S	Y	Poor	1	Nampa,ID	
Sheep Cr	06/09/92	2	8.50	13.30	4.80	5	2.73	5	S	Y	Slow	7	Boulder City,NV	
		3	8.75	13.30	4.55	5	2.73	5	S	Y	Slow	2	Boise	
		2	11.50	13.75	2.25	0	0	0	Fly	Y	Slow	2	Sparks,NV	
		2	9.50	14.50	5.00	2	9.00	2	S	Y	Slow	1	Elko,NV	
Sheep Cr	06/11/92	2	7.00	18.00	9.00	2	9.50	2	S	Y	Slow	2	Idaho Falls	
		2	6.50	16.00	9.50	6	1.67	6	S	Y	Slow	2	Jerome,ID	
		2	11.50	16.50	5.00	5	7.20	5	S	Y	Slow	1	Boise	
		4	7.50	16.50	9.00	5	7.20	5	S	Y	Slow	1	Boise	
Mtn View	06/13/92	3	8.50	15.50	7.00	14	1.50	14	B	Y	Good	1	Wilder,ID	
		1	13.00	16.00	3.00	9	0.33	9	B	Y	Good	1	Boise	
		6	7.00	15.00	8.00	16	3.00	16	B	Y	Good	1	Elko,NV	
		2	7.50	15.25	7.75	12	1.29	12	B	Y	Good	2	Nampa,ID	
Sheep Cr	06/13/92	4	8.00	10.30	2.30	1	5.00	0	Fly	Y	Good	1	Eagle,ID	
		3	8.00	13.50	5.50	2	8.25	2	B	Y	Good	1	Elko,NV	
		2	8.50	13.75	5.25	7	1.50	7	S	Y	Good	1	Elko,NV	
		3	10.50	15.00	4.50	3	4.50	3	S	Y	Good	1	Elko,NV	
Mtn View	06/24/92	3	10.50	13.50	3.00	5	1.90	5	S	Y	Good	2	Sparks,NV	
		4	8.50	13.20	4.70	12	1.57	12	S	Y	Good	2	Middleton,ID	
		2	7.50	13.25	5.75	18	0.72	18	S	Y	Good	1	Battle Mtn,NV	
		2	8.50	13.25	4.75	2	4.75	2	S	Y	Good	1	Elko,NV	
Sheep Cr	06/24/92	2	8.25	13.30	5.05	4	2.59	4	B	Y	Good	2	Nampa,ID	
		4	7.50	15.20	7.70	16	1.93	8	B	Y	Good	2	Twin Falls,ID	
		3	8.25	15.25	7.00	4	5.25	4	B	Y	Good	2	Nampa,ID	
		2	8.50	17.25	8.75	6	2.92	3	S	Y	Good	2	Boise,ID	
Mtn View	06/24/92	5	7.50	15.50	8.00	9	4.44	6	B/S	Y	Fair	2	Ahwater,CA	
		2	7.50	14.45	6.95	6	2.32	6	B	Y	Fair	1	Middleton,ID	
		2	9.50	14.50	5.00	5	1.60	5	S	Y	Fair	1	Battle Mtn,NV	
		2	9.50	13.75	4.25	7	1.21	7	S	Y	Good	1	Wkhorse,NV	
Mtn View	07/01/92	1	10.10	14.50	4.40	4	1.10	4	S	Y	Fair	1	Middleton,ID	
		2	10.50	14.30	3.80	6	1.27	6	S	Y	Slow	1	Owyhee,NV	
		2	9.50	11.25	1.75	5	1.80	5	S	Y	Fair	3	Nampa,ID	
		2	7.50	11.30	3.80	4	1.90	4	B	Y	Good	2	Elko,NV	
Sheep Cr	07/01/92	2	8.50	13.50	5.00	7	1.43	7	S	Y	Good	2	Elko,NV	
		7	8.50	13.60	5.10	6	5.95	6	S	Y	Good	1	Fallon,NV	
		2	9.50	15.00	5.50	2	5.50	2	S	Y	Good	2	Nampa,ID	
		2	8.50	14.30	5.80	15	0.77	0	Fly	Y	Good	2	Payette,ID	
Mtn View	07/10/92	2	7.50	13.75	6.25	3	0.85	2	B	Y	Good	3	Fallon,NV	
		2	7.00	9.55	2.55	5	2.50	5	S	Y	Good	2	Jerome,ID	
		2	8.50	14.00	5.50	6	1.83	6	S	Y	Good	3	Jordan Va,OR	
		2	7.50	14.50	7.00	10	1.40	10	B	Y	Good	1	Boise,ID	
Sheep Cr	07/10/92	2	9.50	12.20	2.70	10	0.54	10	B	Y	Good	1	Boise,NV	
		2	8.25	12.25	4.00	8	0.67	8	B	Y	Good	2	Owassa,NV	
		2	10.50	12.50	2.00	4	0.58	4	Fly	Y	Good	1	Boise	
		1	10.50	12.75	2.25	8	0.81	8	Fly	Y	Good	1	Boise	
Mtn View	07/11/92	2	7.50	15.20	7.70	10	1.54	10	B	Y	Good	2	Boise	
		2	10.00	15.25	5.25	2	5.25	2	S	Y	Good	1	Middleton,ID	
		2	7.50	15.00	7.50	4	3.75	4	S	Y	Good	1	Stockton,CA	
		3	9.50	15.10	5.60	7	2.40	7	S	Y	Good	1	Las Vegas,NV	
Mtn View	07/15/92	3	9.50	14.50	5.00	7	2.14	7	S	Y	Good	1	MtnHome,ID	
		4	9.50	13.00	3.50	18	0.78	18	B	Y	Good	2	Caldwell,ID	
		2	8.50	13.10	4.60	6	1.53	6	S	Y	Good	1	Reno,NV	
		2	14.50	16.25	1.75	3	1.17	3	S	Y	Good	1	Elko,NV	
Sheep Cr	07/15/92	3	13.25	16.50	3.25	6	4.88	6	Fly	Y	Good	1	Tahoe,CA	
		4	9.50	16.50	7.00	4	1.69	4	S	Y	Good	1	Owyhee,NV	
		3	14.25	16.50	2.25	4	1.69	4	S	Y	Good	2	Boise	
		4	8.50	15.25	6.75	5	2.70	5	S	Y	Good	1	King Hill	
Mtn View	07/25/92	2	9.50	15.25	5.75	3	2.70	3	S	Y	Good	1	Star,ID	
		1	9.50	14.50	5.00	5	1.00	5	B	Y	Good	1	Castro Va,CA	
		2	9.50	14.50	5.00	3	3.83	3	S	Y	Good	1	Elko,NV	
		2	8.25	14.70	6.45	3	4.13	3	S	Y	Good	1	Elko,NV	
Sheep Cr	07/25/92	2	8.25	13.25	5.00	3	3.33	3	S	Y	Good	2	Twin Falls,ID	
		4	8.75	13.50	4.75	2	8.50	2	S	Y	Good	1	Elko,NV	
		2	8.50	14.25	5.75	8	1.44	6	B	Y	Good	1	Caldwell,ID	
		2	7.50	15.30	7.80	7	2.23	7	S	Y	Good	1	Boise	
Mtn View	08/04/92	2	8.50	14.25	5.75	8	1.44	6	B	Y	Good	1	Elko,NV	
		2	8.50	14.50	6.00	7	2.23	7	S	Y	Good	1	Elko,NV	
		2	8.50	14.50	6.00	3	3.80	3	B	Y	Good	2	Carson City,NV	
		5	9.50	15.00										

Table 4. Creel survey data collected from Sheep Creek and Mountain View Reservoirs, Duck Valley Indian Reservation, May, 1993.

	Date	No. in fishing Party	Time started fishing	Time of survey	Total Hours Fished	No. of trout caught	No. of hrs/fish /person	No. of trout kept	Boat- B Shore-S	Large Fish Preferred	Return Anglers	Overall Rating	Length of stay (days)	Where From
Sheep Cr	05/08/92	2	14.50	15.00	0.50	10	0.10	4		Y	Y	Fair	1	Boise
		1	8.25	15.00	6.75	3	2.25	3	S	Y	Y	Fair	1	Boise
		3	8.25	15.00	6.75	9	2.25	6	B/S	Y	Y	Fair	4	Boise
		3	8.50	14.00	5.50	3	5.50	3	S		Y	Fair	1	Boise
		4	8.75	14.15	5.40	4	5.40	4	S		Y	Fair	1	Boise
		2	7.90	14.25	6.35	4	3.18	2	S		Y	Fair	2	Twin Falls
Mtn View	05/20/92	2	8.50	11.50	3.00	4	1.50	4	B	Y		Very Good	3	ID
Sheep Cr	05/20/92	3	7.50	13.50	6.00	6	3.00	3	B	Y	Y	Good	2	Boise
		2	6.50	14.00	7.50	10	1.50	3	B	Y	Y	Good	3	Hawthorne
		2	6.50	14.00	7.50	11	1.36	5	B	Y		Very Good	2	Reno
		2	7.00	14.15	7.15	14	1.02	4	B			Very Good	2	Hawthorne
		2	9.50	14.15	4.65	3	3.10	2	S		Y	Fair	1	Nampa/Boise
		1	8.50	14.25	5.75	4	1.44	2	B	Y	Y	Fair/Good	3	Pleaston,CA
		2	8.50	13.75	5.25	3	3.50	3	B	Y			2	Fallon,NV
		3	8.50	13.75	5.25	9	1.75	4	B	Y		Very Good	2	Reno,NV
Sheep Cr	05/24/92	2	7.00	11.00	4.00	2	4.00	2	Fly	Y		Poor	2	Caldwell,ID
		2	7.00	11.00	4.00	4	2.00	4	S	N		Good	2	Caldwell,ID
		10	8.00	11.35	3.35	7	4.79	7		Y		Very Good	10	CA
Mtn View	05/28/92	2	8.00	11.50	3.50	6	1.17	6	S	Y		Good	1.5	CA
		1	9.50	12.75	3.25	4	0.81	4	B	Y	Y	Very Good	2	Boise
		2	6.50	14.25	7.75	10	1.55	10	S			Very Good	2	Glenferry,ID
Sheep Cr	05/29/92	6	7.00	15.25	8.25	15	3.30	6	B	Y	Y	Fair	3	Elko,NV
		2	9.50	18.50	9.00	30	0.60	0		Y		V.Good	2	Boise
		3	10.50	18.70	8.20	19	1.29	5	B	Y	Y	V. Good	3	Twin Falls
		2	6.50	18.75	12.25	8	3.06	6	B/S	N	Y	Fair	2	Kuna,ID
Total		66			146.85	202.00		102					59.5	
Avg/group		2.64			5.87	8.08							2.4	
Avg/angler						2.91	2.38							

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Table 5. Creel survey data collected from Sheep Creek and Mountain View Reservoirs, Duck Valley Indian Reservation, June, 1993.

	Date	No. in fishing Party	Time started fishing	Time of survey	Total Hours Fished	No. of trout caught	No. of hrs/fish /person	No. of trout kept	Boat- B Shore-S	Large Fish Preferred	Return Anglers	Overall Rating	Length of stay (days)	Where From
Mtn View	06/03/92	2	7.50	10.50	3.00	0		0	S		Y	Poor		2 OR
		2	6.50	11.00	4.50	3	3.00	2	S	Y	Y	Poor		2 Boise
Sheep Cr	06/03/92	2	10.50	15.00	4.50	2	4.50	2						2 Nampa
		2	6.50	8.50	2.00	15	0.27	0	S	Y				2 McCall, ID
		3	12.00	14.50	2.50	4	1.88	4	S		Y	Fair		2 Gilroy, CA
Mtn View	06/06/92	2	8.50	14.50	6.00	4	3.00	1	S			Fair		2 MtnRanch, CA
		2	8.50	11.25	2.75				Fly		Y			2 Boise
		3	8.50	11.50	3.00				Fly		Y	Good		1 Boise
Sheep Cr	06/06/92	2	9.50	11.40	1.90	3	1.27	3			Y	Fair		2 Boise
		2	7.00	10.00	3.00	3	2.00	3	S		Y	Fair		2 Nampa, ID
Mtn View	06/09/92	2	10.50	11.50	1.00	2	1.00	2	S		Y	Fair		1 Carson, NV
		4	8.50	15.50	7.00	20	1.40	20	B					3 Napa, CA
Sheep Cr	06/09/92	2	9.50	16.00	6.50				Fly					1 Mtn Home
		2	8.50	16.25	7.75	10	1.55	10	B		Y	Good		3 Napa, Ca
		3	8.50	16.30	7.80	15	1.56	15	B	Y	Y	Good		3 Napa, CA
		2	8.50	13.25	4.75	0		0	S	Y		Poor		1 Boise
		3	8.75	13.30	4.55	5	2.73	5	S	Y				1 Nampa, ID
Sheep Cr	06/11/92	2	11.50	13.75	2.25	0		0				Slow		7 Boulder City, NV
		2	9.50	14.50	5.00	0		0	Fly			Slow		2 Boise
		2	7.00	16.00	9.00	2	9.00	2	S	Y		Slow		2 Sparks, NV
		2	6.50	16.00	9.50	2	9.50	2	S			Slow		1 Elko, NV
		2	11.50	16.50	5.00	6	1.67	6	S	Y		Slow		1 Idaho Falls
Mtn View	06/13/92	4	7.50	16.50	9.00	5	7.20	5	S	Y		Slow		2 Jerome, ID
		3	8.50	15.50	7.00	14	1.50	14	B					1 Boise
		1	13.00	16.00	3.00	9	0.33	0	B					1 Wilder, ID
		6	7.00	15.00	8.00	16	3.00	16	B	Y		Good		1 Boise
		2	7.50	15.25	7.75	12	1.29	12	B					1 Elko, NV
		4	8.00	10.30	2.30	5	1.84	5	B	Y		Good		2 Nampa, ID
		2	8.50	11.00	2.50	1	5.00	0	Fly			Good		1 Boise
		3	8.00	13.50	5.50	2	8.25	2	B	Y		Good		1 Eagle, ID
		2	8.50	13.75	5.25	7	1.50	7	S					1 Elko, NV
		3	10.50	15.00	4.50	3	4.50	3		Y		Good		1 Elko, NV
Sheep Cr	06/13/92	3	10.50	13.50	3.00	5	1.80	5	S	Y		Good		1 Elko, NV
		4	8.50	13.20	4.70	12	1.57	12	S	Y		Good		2 Sparks, NV
		2	7.50	13.25	5.75	16	0.72	16	S	Y		Good		2 Middleton, ID
		2	8.50	13.25	4.75	2	4.75	2	S					1 Battle Mtn, NV
		2	8.25	13.30	5.05	4	2.53	4	B	Y		Good		1 Elko, NV
Mtn View	06/24/92	4	7.50	15.20	7.70	16	1.93	8	B	Y		Good		2 Nampa, ID
		3	8.25	15.25	7.00	4	5.25	4	B					2 Twin Falls, ID
		2	8.50	17.25	8.75	6	2.92	3	S	Y				2 Nampa, ID
		5	7.50	15.50	8.00	9	4.44	6	B/S					2 Boise, ID
Sheep Cr	06/24/92	2	7.50	14.45	6.95	6	2.32	6				Fair		2 Atwater, CA
		2	10.50	14.50	4.00	5	1.60	5	S	Y		Fair		1 Middleton, ID
		2	9.50	13.75	4.25	7	1.21	7	S			Fair		1 Battle Mtn, NV
		1	10.10	14.50	4.40	4	1.10	4				Good		1 Wildhorse, NV
		2	10.50	14.30	3.80	6	1.27	6	S	Y		Fair		1 Middleton, ID
Total		116			236.15	272.00		229					78	
Avg/group		2.52			5.13	5.91							1.7	
Avg/angler						2.34	2.87							

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Table 6. Creel survey data collected from Sheep Creek and Mountain View Reservoirs, Duck Valley Indian Reservation, July, 1993.

	Date	No. in fishing Party	Time started fishing	Time of survey	Total Hours Fished	No. of trout caught	No. of hrs/fish /person	No. of trout kept	Boat- B Shore-S	Large Fish Preferred	Return Anglers	Overall Rating	Length of stay (days)	Where From		
9-V	Mtn View	07/01/92	2	9.50	11.25	1.75	0	0	S		Y	Slow		1 Owyhee,NV		
			2	7.50	11.30	3.80	4	1.90	4	B			Fair		3 Nampa,ID	
			2	8.50	13.50	5.00	7	1.43	7	S		Y	Good		2 Elko,NV	
			7	8.50	13.60	5.10	6	5.95	6	S			Good		2 Elko,NV	
			2	9.50	15.00	5.50	2	5.50	2				Slow		1 Fallon,NV	
	Sheep Cr	07/01/92	2	8.50	14.30	5.80	15	0.77	0	Fly	Y		Good		2 Nampa,ID	
			2	6.50	9.50	3.00	8	0.75	0	Fly	Y		Good		2 Payette,ID	
			1	7.00	9.55	2.55	3	0.85	2	B			Good		3 Fallon,NV	
			2	7.50	13.75	6.25	5	2.50	5				Good		2 Jerome,ID	
			2	8.50	14.00	5.50	6	1.83	6				Good		3 Jordan Va,OR	
	Mtn View	07/10/92	2	7.50	14.50	7.00	10	1.40	0	Fly	Y		Good		1 Boise,ID	
			2	9.50	12.20	2.70	10	0.54	10	B			Good		1 Elko,NV	
			2	8.25	12.25	4.00	9	0.89	0	Fly	Y			Good		1 Boise
			2	10.50	12.50	2.00	6	0.67	0	B	Y		Good		2 Orvada,NV	
			1	10.50	12.75	2.25	4	0.56	1	Fly	Y		Good		1 Boise	
Sheep Cr	07/10/92	2	9.50	12.75	3.25	8	0.81	0	Fly	Y				1 Boise		
		2	7.50	15.20	7.70	10	1.54	10	B	Y		Good		1 Boise		
		2	10.00	15.25	5.25	2	5.25	1	B					2 Boise		
		2	7.50	15.00	7.50	4	3.75	4	S					1 Middleton,ID		
		3	9.50	15.10	5.60	7	2.40	7	S		Y	Good		1 Stockton,CA		
Mtn View	07/15/92	3	9.50	14.50	5.00	7	2.14	7	S	Y		Good		1 LasVegas,NV		
		2	11.50	14.50	3.00	2	3.00	2	S			Good		1 MtnHome,ID		
		4	9.50	13.00	3.50	18	0.78	18	B	Y		Good		1 Elko,NV		
		2	8.50	13.10	4.60	6	1.53	6	S			Good		2 Caldwell,ID		
		2	14.50	16.25	1.75	3	1.17	0	Fly	Y				1 Reno,NV		
Sheep Cr	07/15/92	3	13.25	16.50	3.25	2	4.88	0	Fly	Y				1 Elko,NV		
		4	9.50	16.50	7.00	6	4.67	6	S			Good		2 Tahoe,CA		
		3	14.25	16.50	2.25	4	1.69	4	S					1 Owyhee,NV		
		2	8.50	15.25	6.75	5	2.70	5	S			Good		2 Boise		
		4	9.50	15.30	5.80	20	1.16	20	S	Y		Good		1 KingHill		
Mtn View	07/25/92	2	8.50	15.20	6.70	5	2.68	5	S	Y		Good		1 Star,ID		
		2	9.50	15.25	5.75	3	3.83	3						1 CastroVa,CA		
		1	9.50	14.50	5.00	5	1.00	5	B			Good		1 Elko,NV		
Sheep Cr	07/25/92	2	8.50	14.70	6.20	3	4.13	3	S					1 Elko,NV		
		2	8.25	13.25	5.00	3	3.33	3	S	Y		Good		1 MorganHill,CA		
		4	8.75	13.50	4.75	2	9.50	2	S					2 TwinFalls,ID		
	Total	86			167.80	220.00		154						53		
	Avg/group	2.39			4.66	6.11								1.5		
	Avg/angler					2.56	1.02									

Table 7. Creel survey data collected from Sheep Creek and Mountain View Reservoirs, Duck Valley Indian Reservation, August, 1993.

	Date	No. in fishing Party	Time started fishing	Time of survey	Total Hours Fished	No. of trout caught	No. of hrs/fish /person	No. of trout kept	Boat- B Shore-S	Large Fish Prefered	Return Anglers	Overall Rating	Length of stay (days)	Where From
Mtn View	08/04/92	2	8.50	14.25	5.75	8	1.44	6	B					1 Elko,NV
		2	7.50	15.30	7.80	7	2.23	7	S					1 Caldwell,ID
Sheep Cr	08/08/92	2	8.50	14.00	5.50	8	1.38	8	S	Y		Good		1 Boise
		2	8.50	14.20	5.70	3	3.80	3	B					1 Elko,NV
Mtn View	08/08/92	5	9.50	15.00	5.50	6	4.58	4	B	Y		Good		2 CarsonCity,NV
		1	9.75	15.25	5.50	4	1.38	3	B					1 Elko,NV
Mtn View	08/19/92	3	8.50	14.25	5.75	6	2.88	5	S	Y		Slow		2 Caldwell,ID
		2	8.50	13.00	4.50	12	0.75	0	Fly	Y		Good		1 Boise
		2	8.50	13.25	4.75	15	0.63	0	Fly	Y		Good		1 Boise
Mtn View	08/25/92	2	8.25	14.10	5.85	5	2.34	3	B/S	Y		Slow		1 Boise
		4	8.50	14.25	5.75	7	3.29	4	B	Y		Good		1 Elko,NV
	08/27/92	2	9.50	14.25	4.75	8	1.19	8	B					1 Boise
		2	8.25	16.00	7.75	4	3.88	4	S	Y		Good		3 TwinFalls,ID
	Total	31			74.85	93.00		55						17
	Avg/group	2.38			5.76	7.15								1.3
	Avg/angler					3.00	0.96							

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Table 8. Creel survey data collected from Sheep Creek and Mountain View Reservoirs, Duck Valley Indian Reservation, September, 1993.

	Date	No. in fishing Party	Time started fishing	Time of survey	Total Hours Fished	No. of trout caught	No. of hrs/fish /person	No. of trout kept	Boat- B Shore-S	Large Fish Prefered	Return Anglers	Overall Rating	Length of stay (days)	Where From
Sheep Cr	09/05/92	2	7.50	11.75	4.25	3	2.83	3	S	Y		Good		2 Glenn Ferry,ID
		4	8.25	13.25	5.00	0		0	S			Poor		2 LasVegas,NV
Mtn View	09/16/92	2	7.50	15.25	7.75	6	2.58	6	S	Y		Good		2 Nampa,ID
		2	8.50	15.25	6.75	2	6.75	2	S	Y		Poor		2 Elko,NV
		4	7.00	15.00	8.00	7	4.57	7		Y		Good		2 Kuna,ID
		2	7.50	15.20	7.70	3	5.13	3	S	Y		Poor		3 Middleton,ID
Sheep Cr	09/16/92	2	7.50	14.30	6.80	2	6.80	2	S					3 Elko,NV
		4	7.50	14.00	6.50	1	26.00	1	S			Poor		1 Sacramento,CA
		2	8.00	14.25	6.25	8	1.56	8	S	Y		Good		1 Elko,NV
	Total	24			59.00	32.00		32						18
	Avg/group	2.67			6.56	3.56								2
	Avg/angler					1.33	2.34							