

Final Report
Lees Ferry Creel Data Compilation Project

Grand Canyon Monitoring and Research Center
U.S. Geological Survey
Flagstaff, Arizona 86001

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EXECUTIVE SUMMARY

Creel survey data collected at Lees Ferry from 1981 – July 2001 were compiled, formats were standardized, and three separate databases are provided: 1) fish data that contains lengths and weights of fish examined at the creel survey station, 2) interview data that contains catch information and demographic information of anglers, and 3) attitude data that contains responses to questions about angler satisfaction and support or opposition of regulations. Data formats changed from year to year during the survey period, but some degree of consistency is provided in the provided databases. Data were also compiled from a phone survey of anglers who fish at Lees Ferry conducted by Behavior Research Center (1994), and from National Park Service use statistics for Lees Ferry.

Standardization of creel survey methods and data are recommended. Recent efforts by Arizona Game and Fish Department Region II to develop a Microsoft Access database should enhance database standardization. Angler attitude and satisfaction questions that were asked between 1990 and 1997-1999 should be re-established and question methods should be standardized.

ACKNOWLEDGEMENTS

Jodi Niccum, Charles Benedict, and Scott Reger, Arizona Game and Fish Department Region II office, Flagstaff Arizona provided creel data compiled for this project.

OBJECTIVES

Project Description:

Compile existing trout fishery use and creel survey data to assess use and satisfaction of trout fishery. Project objectives include:

- 1) Identify and compile existing data from available data sources, including Arizona Game and Fish, Trout Unlimited, and other data sources,
- 2) Identify data collected and data protocols for collection
- 3) Based on existing data, identify additional data that needs to be collected; and
- 4) Compile existing data into one database.

Objective 1: Identify and compile existing data.

Data were requested from the Region II (Flagstaff) office of Arizona Game and Fish Department. Approximately 60 databases were provided, with most databases representing separate years of data collection. Data were in three basic formats: fish data, interview data, and attitude questions. Data from individual years were converted to common formats, and compiled into three separate databases for each of the three types of data. Descriptions of the data and data dictionaries are provided below. In addition, summary tables of the different data files are presented in this report to illustrate the types of data available.

Objective 2: Identify data collected and data protocols for collection.

Creel interview data were collected following protocols described in Reger et al. 1988, Reger et al. 1993, Niccum et al. 1997. Angler use data were collected by the National Park Service and provided by Glen Canyon National Recreation Area. Data reported by Behavior Research Center (1994) were also compiled (see Appendix B for Behavior Research Center report).

Creel interviews were conducted at the boat launch by Arizona Game and Fish Department, averaged about 6 days a month (3 weekday and 3 weekend days) from 1984-1992. During late 1993 fewer days were surveyed due to problems hiring personnel. In 1996 and 1997 creel effort averaged 8 days a month, and during 1998 and most of 1999 averaged 12 days a month. Problems hiring personnel limited survey days during the latter half of 2000 (Table 6).

Objective 3: Identify additional data that needs to be collected.

An effort should be made to ensure some consistency in angler attitude questions and include questions asked previously in the current creel effort. From 1991 to 1999 several different forms of attitude questions were asked, with little consistency between years. It is not the purpose of this report to identify and refine appropriate attitude questions to be asked of anglers fishing at Lees Ferry.

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Preliminary power analysis indicated that the number of days being creeled provides sufficient information for estimating angler catch rates with the precision desired for use in stock synthesis models. We have not attempted power analysis on attitude questions as part of this contract.

DATA SOURCES

- Arizona Game and Fish Department (AGFD) Region II Creel Interview Databases.
 - Original data were in approximately 60 different databases, frequently separate files for each month and year for which interviews were conducted.
- National Park Service, Glen Canyon National Recreation Area visitor statistics for Glen Canyon.
 - Hard copies (paper forms) of monthly use data were provided (see Appendix C) and entered into an electronic database (Microsoft Excel).
- Behavior Research Center (BRC).
 - Electronic databases were provided as part of a contract to conduct a phone survey of anglers who fish at Lees Ferry from Arizona Game and Fish Department fishing license records, the AGFD angler survey data base, and membership lists provided by sport fishing groups. Data bases are provided in electronic form, the BRC report is also included as Appendix B.

AGFD Creel Interview databases were compiled into the following three files:

Fish data

Fish length and weight data from creel surveys (consistent format all years). Data from 1981 – 2001.

Interview data

Interview information including fishing effort and catch data, and demographic information from creel surveys. Data appears complete from 1984-2001 data with the exception of 1988. This is the file used to compute catch per angler hour.

Attitude data

Interview data regarding a variety of attitude questions, satisfaction questions, and regulation questions from creel surveys. These questions changed several times during the course of the surveys, see later section for description of questions asked at different times.

National Park Service use data were compiled into a spreadsheet with monthly use statistics.

Angler Hours per Year.xls

Angler hours per year from NPS Angler count data. These data are used to compute catch and harvest from catch per angler hour and harvest per angler hour estimates.

FISH DATA DESCRIPTION

Fish data are provided in two different formats:

FILE: FISH.TXT - tab delimited ASCII file.

FILE: FISH.SAV – SPSS/PC file.

The file consists of 20,258 records of fish examined at the creel station between 1981 and August 2001. Data are useful for examination of species composition and length frequency distribution of creeled fish during the period 1981 through about 1990. Since about 1990 few fish are harvested, and the creel does not provide a good technique for assessing the size structure of the fishery. From 1990-1999 anglers were asked how many rainbow trout they caught and released in different size classes (see Table 17), but the quality of these data have not been evaluated (see section on Attitude Data).

FISH DATA FILE STRUCTURE:

Name	Description
MO	Month Format: F2 Column Width: 8 Alignment: Right
DA	Day Format: F2 Column Width: 8 Alignment: Right
YR	Year Format: F2 Column Width: 8 Alignment: Right
INTNO	Interview Number Format: F4 Column Width: 8 Alignment: Right
SPECIES	Species Format: A3 Column Width: 8 Alignment: Left
LENGTH	Length Format: F4 Column Width: 8 Alignment: Right
WEIGHT	Weight Format: F5 Column Width: 8 Alignment: Right
DT	Date Format: ADATE10 Column Width: 10 Alignment: Right

Species codes:

BKT	Brook trout	SB	Striped bass
BNT	Brown trout	SUC	Sucker species (flannelmouth or bluehead)
CUT	Cutthroat trout	WP	Walleye pike
RBT	Rainbow trout		

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Table 1. Number of fish measured at Lees Ferry creel station by month, 1981 – 2001.

Year	Month												Total
	1	2	3	4	5	6	7	8	9	10	11	12	
1981					134		148	166	166		134		748
1982	174	144	73	10	64	23	96	161	123	115	176	78	1237
1983	108	100	22	36	49		343	236	76	335	286	165	1756
1984							101						101
1985	452	334	288	210	196	108	100	167	253	190	198	366	2862
1986	149	69	125	95	110	27	54	32	13	246	309	251	1480
1987	206	335	269	102	230	310	195	318	452	344	554	210	3525
1989	368	796	401	437	149	392	377	362	432	290	331	327	4662
1990	91	222	218	86	107	132	123	64	78	84	98	13	1316
1991	30	32	61	133	141	57	41	51	21	27	68	15	677
1993	43	50	54	51	41	13							252
1994		4	5	54	29	18	65	69	41		23		308
1995	5	56	25		58					50	33	25	252
1996	50	78	107	65	44	43	15	33	54	21	42	8	560
1997	14	31	29	20	18	55	21	30	67	11	21	18	335
1998	38	10		6	2						10	8	74
1999	11	9	3	9	10								42
2000					21	2					12		35
2001	12		5		8	2	2	7					36
Total	1751	2266	1684	1265	1281	1346	1387	1674	1905	1920	2126	1653	20258

Table 2. Mean length (mm) of rainbow trout measured at Lees Ferry creel station by month, 1981 – 2001.

	Month												Total
	1	2	3	4	5	6	7	8	9	10	11	12	
1981	.	.	.	.	402	.	398	465	448	.	456	.	435
1982	468	473	405	428	442	417	427	431	434	437	486	486	452
1983	448	415	414	432	447	.	454	426	425	426	442	428	435
1984	.	.	.	.	.	.	349						349
1985	364	369	341	388	342	358	380	363	365	388	388	397	370
1986	418	412	402	428	428	443	412	450	441	436	432	423	426
1987	434	425	409	399	408	408	425	401	403	419	413	446	415
1989	447	432	426	426	422	427	435	439	429	441	441	439	434
1990	391	385	388	376	382	389	381	386	380	387	379	414	385
1991	382	378	374	387	376	377	390	381	374	366	379	383	380
1993	373	370	368	357	361	339	.	.	.	.	.	.	365
1994	.	313	350	.	371	354	359	351	355	.	352	.	356
1995	328	357	359	.	354	.	.	.	372	362	362	.	360
1996	351	355	362	354	371	362	346	372	354	368	365	311	359
1997	372	366	358	357	360	369	363	358	366	385	366	364	365
1998	397	247	.	390	400	.	.	.	.	354	383	.	368
1999	366	355	370	360	368	.	.	.	.	.	.	.	363
2000	.	.	.	.	.	359	335	.	.	.	379	.	364
2001	363	.	385	.	349	330	343	392	366
	412	410	391	402	391	401	423	408	404	421	423	426	410

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Table 3. Number of each species of fish measured at Lees Ferry creel station by year, 1981 – 2001.

	Species							
	BKT	BNT	CUT	RBT	SB	SU	WP	Total
1981	29			719				748
1982	109			1128				1237
1983	158			1598				1756
1984	12			89				101
1985	73	1	1	2787				2862
1986	12		1	1467				1480
1987	74			3450		1		3525
1989	23	1		4636	1		1	4662
1990	11	2		1303				1316
1991	7			670				677
1993				252				252
1994				308				308
1995		1		251				252
1996				560				560
1997				335				335
1998				74				74
1999				42				42
2000				35				35
2001				36				36
	508	5	2	19740	1	1	1	20258

Table 4. Mean length of fish measured at Lees Ferry creel station by year, 1981 – 2001.

	Species							
	BKT	BNT	CUT	RBT	SB	SU	WP	Total
1981	320	.	.	440	.	.	.	435
1982	347	.	.	462	.	.	.	452
1983	349	.	.	444	.	.	.	435
1984	290	.	.	357	.	.	.	349
1985	362	425	491	370	.	.	.	370
1986	372	.	440	426	.	.	.	426
1987	336	.	.	416	.	490	.	415
1989	365	384	.	434	433	.	461	434
1990	375	395	.	385	.	.	.	385
1991	379	.	.	380	.	.	.	380
1993	.	.	.	365	.	.	.	365
1994	.	.	.	356	.	.	.	356
1995	.	340	.	360	.	.	.	360
1996	.	.	.	359	.	.	.	359
1997	.	.	.	365	.	.	.	365
1998	.	.	.	368	.	.	.	368
1999	.	.	.	363	.	.	.	363
2000	.	.	.	364	.	.	.	364
2001	.	.	.	366	.	.	.	366
Total	348	388	466	412	433	490	461	410

Species codes:

BKT	Brook trout	CUT	Cutthroat trout	SB	Striped bass	WP	Walleye
BNT	Brown trout	RBT	Rainbow trout	SU	Sucker species		

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INTERVIEW DATA DESCRIPTION

Interview data are provided in two different formats:

FILE: INTERVIEWS.TXT - tab delimited ASCII file.

FILE: INTERVIEWS.SAV – SPSS/PC file.

This file contains interview information for angler interviews conducted at the Lees Ferry boat ramp. Procedures are described in Reger et al. 1988. Date file structures changed somewhat from year to year, the following variables were consistent in all years and provide information for summarizing creel catch rate and harvest information.

INTERVIEW DATA FILE STRUCTURE

N of Cases: 15286

Name	Description
INTDATE	Interview date Format: ADATE10 Column Width: 11 Alignment: Right
S_TIME	Start time Format: F8.2 Column Width: 8 Alignment: Right
Q_TIME	Quit time Format: F8.2 Column Width: 8 Alignment: Right
CAUGHT1	Number caught Format: F3 Column Width: 8 Alignment: Right
KEPT1	Number kept Format: F3 Column Width: 8 Alignment: Right
DOW	Day of Week Format: F2 Column Width: 8 Alignment: Right
STATE	State of residence Format: A2 Column Width: 5 Alignment: Left Missing Values: '99'
ATYP	Angler type Format: F2 Column Width: 8 Alignment: Right Value Label 1 Boat Angler 2 Shore Angler
SUC	Number of successful anglers in party Format: F2 Column Width: 8 Alignment: Right

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TTYP	Trip type Format: F1 Column Width: 8 Alignment: Right
	Value Label
	1 Complete Trip
	2 Incomplete Trip
BTYP	Bait type Format: F1 Column Width: 8 Alignment: Right
	Value Label
	1 Fly
	2 Lure
	3 Minnow
	4 Waterdog
	5 Worm
	6 Garbage
ANGLERS	Number of anglers Format: F3 Column Width: 8 Alignment: Right Missing Values: 0
YEAR	Year of interview Format: F4 Column Width: 8 Alignment: Right
EFFORT	Effort (hours) Format: F8.2 Column Width: 8 Alignment: Right
RBTCPE	Rainbow trout catch/hour Format: F8.2 Column Width: 8 Alignment: Right
DAYWEEK	Day of week Format: F1 Column Width: 8 Alignment: Right
WEWD	Weekend-Weekday Format: F2 Column Width: 8 Alignment: Right
	Value Label
	1 Weekday
	2 Weekend
RESIDENT	Residence Format: F1 Column Width: 8 Alignment: Right
	Value Label
	1 AZ Resident
	2 NonResident

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Table 5. Number of interviews conducted, Lees Ferry by month and year, 1984 – 2001.

	Month												
	1	2	3	4	5	6	7	8	9	10	11	12	Total
1984	86	84	109	103	95	33	89	90	132	110	100	67	1098
1985	113	115	88	84	91	41	25	42	71	50	45	96	861
1986	106	61	82	68	57	14	21	15	17	146	154	106	847
1987	90	108											198
1989	138	282	159	171	81	131	145	137	181	170	199	134	1928
1990	140	202	237	117	127	117	102	80	96	121	150	68	1557
1991	56	45	110	191	224	93	66	68	30	72	109	55	1119
1992	48	85	86	98	71	32	45	40	58	84	58	36	741
1993	67	86	77	85	75	39	37	32					498
1994		20	7	35	82	26	13	34	30	39		37	323
1995	60	103	47		64					67	81	71	493
1996	93	114	138	86	87	64	43	62	61	115	83	103	1049
1997	101	116	98	91	100	67	44	79	83	110	77	99	1065
1998	139	108	89	121	90	53	33	57	65	74	173	159	1161
1999	144	147	109	82	93	40	24	39	51	60	65		854
2000	102	82	123	62	24	70	28	31				123	645
2001	152	156	93		163	74	129	82					849
	1635	1914	1652	1394	1524	894	844	888	875	1218	1294	1154	15286

Table 6. Number of days creel interviews were collected, by year and month, 1984-2001.
 Lees Ferry.

	Month												
	1	2	3	4	5	6	7	8	9	10	11	12	Total
1984	6	4	5	4	5	4	8	9	10	8	9	8	80
1985	10	8	7	6	6	3	4	3	3	3	2	6	61
1986	6	6	6	6	6	3	3	3	3	6	7	6	61
1987	6	6	.	.	.	.	.	.	.	.	.	.	12
1989	7	6	5	6	4	6	6	6	6	6	6	5	69
1990	6	6	6	4	6	6	6	6	3	6	5	5	65
1991	6	4	7	6	6	6	6	6	3	7	6	6	69
1992	5	5	6	5	6	6	6	6	6	6	6	6	69
1993	7	7	5	6	7	6	6	6	.	.	.	.	50
1994	.	4	1	3	13	4	2	6	2	1	.	5	41
1995	6	6	4	.	6	.	.	.	.	6	8	8	44
1996	8	8	8	8	8	9	8	8	8	8	8	8	97
1997	8	8	8	8	8	8	8	12	12	12	9	15	116
1998	12	11	12	12	12	12	11	14	12	12	12	12	144
1999	12	11	11	12	12	11	12	11	12	12	12	.	128
2000	12	12	13	12	5	7	4	5	.	.	.	9	79
2001	12	12	4	.	12	6	10	9	65
	129	124	108	98	122	97	100	110	80	93	90	99	1250

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Table 7. Number of anglers in parties interviewed, Lees Ferry creel 1984 – 2001.

	Month												
	1	2	3	4	5	6	7	8	9	10	11	12	Total
1984	212	256	320	310	287	106	236	235	348	289	245	140	2984
1985	290	323	263	233	236	92	79	125	189	131	119	225	2305
1986	267	134	228	170	173	36	60	41	36	354	384	274	2157
1987	236	279											515
1989	360	730	413	438	179	347	380	349	433	475	496	332	4932
1990	389	558	672	309	331	339	267	201	231	322	387	146	4152
1991	144	110	256	500	561	220	145	159	73	167	293	162	2790
1992	122	217	231	238	187	77	120	92	133	204	134	73	1828
1993	156	209	189	205	203	87	89	82					1220
	32	12	71	179	67	29	86	71	93			89	729
1995	142	230	102		161					170	179	152	1136
1996	233	283	358	225	205	149	93	129	157	280	187	247	2546
1997	264	282	237	230	248	187	114	179	194	275	182	250	2642
1998	371	281	221	298	217	124	78	136	162	148	427	427	2890
1999	357	360	276	194	218	104	40	89	111	142	142		2033
2000	247	187	276	128	54	190	68	71				365	1586
2001	456	456	280		472	212	382	233					2491
	4246	4927	4334	3549	3911	2337	2180	2207	2138	3050	3175	2882	38936

Table 8. Mean catch/hour of rainbow trout /hour by year and month, Lees Ferry 1984-2001.

Year	Month												
	1	2	3	4	5	6	7	8	9	10	11	12	
1984	.48	.23	.22	.19	.28	.47	.55	.54	.38	.46	.48	.97	.41
1985	.90	.64	.57	.33	.32	.62	.56	.76	.41	.55	.64	.61	.58
1986	.24	.24	.17	.31	.32	.60	.33	.51	.23	.42	.49	.56	.37
1987	.55	.52											.54
1989	1.25	.75	.94	.64	.59	.75	.90	.86	.85	.49	.66	1.13	.81
1990	1.01	.84	.88	.72	.72	.83	.89	.73	.77	.58	.66	.77	.79
1991	.96	.66	.65	.51	.71	.55	.60	.66	.53	.41	.38	.47	.59
1992	.50	.43	.35	.38	.40	.39	.53	.38	.38	.37	.53	1.10	.45
1993	.67	.52	.38	.45	.50	.24	.52	.31					.47
1994	.08	.11	.27	.65	.72	.77	.47	1.07	.63			1.27	.65
1995	.90	.65	.98		.73					.93	1.04	1.23	.91
1996	1.09	.95	1.29	1.14	1.02	.96	.87	1.29	1.32	1.16	1.22	1.42	1.16
1997	1.01	1.01	1.47	1.28	1.06	1.19	1.06	1.55	1.25	1.19	1.40	1.74	1.27
1998	1.29	1.78	1.66	1.85	1.31	1.44	.85	.92	1.30	1.85	1.40	1.22	1.44
1999	1.41	1.21	1.59	1.78	1.29	1.27	.82	1.13	1.01	1.05	.97		1.30
2000	.87	1.05	1.65	.94	1.01	1.54	1.35	1.57				.91	1.19
2001	.86	.85	.95		1.12	1.31	1.15	1.46					1.06
Total	.93	.80	.94	.77	.77	.90	.83	.92	.80	.74	.81	1.05	.85

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Table 9. Year of interview * Residence Crosstabulation

		Residence		
		AZ Resident	NonResident	Total
1984	Count	836	262	1098
	% within Year of interview	76.1%	23.9%	100.0%
1985	Count	688	173	861
	% within Year of interview	79.9%	20.1%	100.0%
1986	Count	673	174	847
	% within Year of interview	79.5%	20.5%	100.0%
1987	Count	163	35	198
	% within Year of interview	82.3%	17.7%	100.0%
1989	Count	1508	420	1928
	% within Year of interview	78.2%	21.8%	100.0%
1990	Count	1194	363	1557
	% within Year of interview	76.7%	23.3%	100.0%
1991	Count	726	393	1119
	% within Year of interview	64.9%	35.1%	100.0%
1992	Count	480	261	741
	% within Year of interview	64.8%	35.2%	100.0%
1993	Count	335	163	498
	% within Year of interview	67.3%	32.7%	100.0%
1994	Count	256	67	323
	% within Year of interview	79.3%	20.7%	100.0%
1995	Count	350	143	493
	% within Year of interview	71.0%	29.0%	100.0%
1996	Count	685	364	1049
	% within Year of interview	65.3%	34.7%	100.0%
1997	Count	618	447	1065
	% within Year of interview	58.0%	42.0%	100.0%
1998	Count	677	484	1161
	% within Year of interview	58.3%	41.7%	100.0%
1999	Count	443	411	854
	% within Year of interview	51.9%	48.1%	100.0%
2000	Count	382	263	645
	% within Year of interview	59.2%	40.8%	100.0%
2001	Count	580	269	849
	% within Year of interview	68.3%	31.7%	100.0%
	Count	10594	4692	15286
Total	% within Year of interview	69.3%	30.7%	100.0%

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Table 10. Mean rainbow trout catch/hour by year and residence, Lees Ferry 1984-2001.

	Residence		
	AZ Resident	NonResident	Total
1984	.41	.41	.41
1985	.57	.60	.58
1986	.35	.46	.37
1987	.47	.85	.54
1989	.78	.90	.81
1990	.79	.80	.79
1991	.55	.67	.59
1992	.42	.49	.45
1993	.42	.56	.47
1994	.61	.83	.65
1995	.85	1.06	.91
1996	1.12	1.24	1.16
1997	1.16	1.42	1.27
1998	1.31	1.62	1.44
1999	1.11	1.50	1.30
2000	1.02	1.44	1.19
2001	1.00	1.18	1.06
Total	.77	1.03	.85

ATTITUDE DATA DESCRIPTION

Attitude and satisfaction data are provided in two different formats:

FILE: QUESTIONS.TXT - tab delimited ASCII file.

FILE: QUESTIONS.SAV – SPSS/PC file.

Additional questions asked as part of creel surveys included attitude questions and satisfaction questions. The general nature of the questions was relatively consistent from 1990-1999 after which time satisfaction questions were evidently dropped from the interviews.

ATTITUDE DATA FILE STRUCTURE:

N of Cases: 7856

Variable Information:

Name	Description
INTDATE	Interview date Format: ADATE10 Column Width: 8 Alignment: Right
MO	Interview month Format: F2 Column Width: 8 Alignment: Right
DA	Interview day Format: F2 Column Width: 8 Alignment: Right
YR	Interview Year Format: F2 Column Width: 8 Alignment: Right
INTNO	Interview number Format: F4 Column Width: 8 Alignment: Right
PREVIOUS	Interviewed Previously Format: A1 Column Width: 4 Alignment: Left Missing Values: '1', '2', '3'
TRIPS	Average Number of Trips per year Format: F3 Column Width: 5 Alignment: Right
STAY	Average length of stay Format: F5.1 Column Width: 8 Alignment: Right

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FISHSAT Number of fish satisfaction
Format: F1 Column Width: 8 Alignment: Right
Missing Values: 0

Value	Label
1	Very Good
2	Good
3	Fair
4	Poor
5	Very Poor

SIZESAT Size of fish satisfaction
Format: F1 Column Width: 8 Alignment: Right
Missing Values: 0

Value	Label
1	Very Good
2	Good
3	Fair
4	Poor
5	Very Poor

REGSSAT Regulations Satisfaction
Format: F1 Column Width: 8 Alignment: Right
Missing Values: 0

Value	Label
1	Very Good
2	Good
3	Fair
4	Poor
5	Very Poor

OVERSAT Overall Satisfaction
Format: F1 Column Width: 8 Alignment: Right
Missing Values: 0

Value	Label
1	Very Good
2	Good
3	Fair
4	Poor
5	Very Poor

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CRONLY Catch and Release Only
Format: F1 Column Width: 8 Alignment: Right
Missing Values: 0

Value Label

1 Support
2 Oppose

TROPHY Trophy fishery
Format: F1 Column Width: 8 Alignment: Right
Missing Values: 0

Value Label

1 Support
2 Oppose

PAN Pan fishery
Format: F1 Column Width: 8 Alignment: Right
Missing Values: 0

Value Label

1 Support
2 Oppose

INCLIMIT Increase limit
Format: F1 Column Width: 8 Alignment: Right
Missing Values: 0

Value Label

1 Support
2 Oppose

NOSLOT No Slot Limit
Format: F1 Column Width: 8 Alignment: Right
Missing Values: 0

Value Label

1 Support
2 Oppose

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BARBLESS Barbless Hooks Only
Format: F1 Column Width: 8 Alignment: Right
Missing Values: 0

Value Label

1 Support
2 Oppose

ASIS Leave Regulations As Is
Format: F1 Column Width: 8 Alignment: Right
Missing Values: 0

Value Label

1 Support
2 Oppose

TOOTHIN Fish are too thin
Format: F1 Column Width: 8 Alignment: Right
Missing Values: 0

Value Label

1 Support
2 Oppose

TOOSHORT Fish are too short
Format: F1 Column Width: 8 Alignment: Right
Missing Values: 0

Value Label

1 Support
2 Oppose

GUIDED Guided
Format: F1 Column Width: 8 Alignment: Right
Missing Values: 0

Value Label

1 Guided
2 Unguided

RBT10 Number of RBT released < 10 inches
Format: F3 Column Width: 8 Alignment: Right

RBT1016 Number of RBT released 10-16 inches
Format: F3 Column Width: 8 Alignment: Right

RBT1622 Number of RBT released 16-22 inches
Format: F3 Column Width: 8 Alignment: Right

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RBT22 Number of RBT released > 22 inches
Format: F3 Column Width: 8 Alignment: Right

BKT10 Number of BKT released < 10 inches
Format: F3 Column Width: 8 Alignment: Right

BKT1016 Number of BKT released 10-16 inches
Format: F3 Column Width: 8 Alignment: Right

BKT1622 Number of BKT released 16-22 inches
Format: F3 Column Width: 8 Alignment: Right

BKT22 Number of BKT released > 22 inches
Format: F3 Column Width: 8 Alignment: Right

PREV Interviewed Previously
Format: F8.2 Column Width: 8 Alignment: Right

Value Label

1.00 Yes
2.00 No

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Table 11. Interview Year * Overall Satisfaction Crosstabulation

		Overall Satisfaction					Total
		Very Good	Good	Fair	Poor	Very Poor	
1990	Count	16	63	28	6	1	114
	% within Interview Year	14.0%	55.3%	24.6%	5.3%	.9%	100.0%
1991	Count	141	62	12	7	2	224
	% within Interview Year	62.9%	27.7%	5.4%	3.1%	.9%	100.0%
1992	Count	270	50	11	2		333
	% within Interview Year	81.1%	15.0%	3.3%	.6%		100.0%
1993	Count	184	9	9			202
	% within Interview Year	91.1%	4.5%	4.5%			100.0%
1994	Count	62	112	39	6	1	220
	% within Interview Year	28.2%	50.9%	17.7%	2.7%	.5%	100.0%
1995	Count	204	107	4	4		319
	% within Interview Year	63.9%	33.5%	1.3%	1.3%		100.0%
1996	Count	339	77	3			419
	% within Interview Year	80.9%	18.4%	.7%			100.0%
1997	Count	150	15	3			168
	% within Interview Year	89.3%	8.9%	1.8%			100.0%
1998	Count	95	8		2		105
	% within Interview Year	90.5%	7.6%		1.9%		100.0%
1999	Count	77	4				81
	% within Interview Year	95.1%	4.9%				100.0%
TOTAL	Count	1538	507	109	27	4	2185
	% within Interview Year	70.4%	23.2%	5.0%	1.2%	.2%	100.0%

Table 12. Interview Year * Regulations Satisfaction Crosstabulation

		Regulations Satisfaction					Total
		Very Good	Good	Fair	Poor	Very Poor	
1990	Count	18	49	30	16	5	118
	% within Interview Year	15.3%	41.5%	25.4%	13.6%	4.2%	100.0%
1991	Count	72	88	31	16	18	225
	% within Interview Year	32.0%	39.1%	13.8%	7.1%	8.0%	100.0%
1992	Count	170	59	72	33	15	349
	% within Interview Year	48.7%	16.9%	20.6%	9.5%	4.3%	100.0%
1993	Count	141	25	40	20	6	232
	% within Interview Year	60.8%	10.8%	17.2%	8.6%	2.6%	100.0%
1994	Count	46	149	28	2		225
	% within Interview Year	20.4%	66.2%	12.4%	.9%		100.0%
1995	Count	119	162	36	12	7	336
	% within Interview Year	35.4%	48.2%	10.7%	3.6%	2.1%	100.0%
1996	Count	147	155	29	8	4	343
	% within Interview Year	42.9%	45.2%	8.5%	2.3%	1.2%	100.0%
1997	Count	112	43	7	1	1	164
	% within Interview Year	68.3%	26.2%	4.3%	.6%	.6%	100.0%
1998	Count	85	15	3	1		104
	% within Interview Year	81.7%	14.4%	2.9%	1.0%		100.0%
1999	Count	27	9	3		1	40
	% within Interview Year	67.5%	22.5%	7.5%		2.5%	100.0%
TOTAL	Count	937	754	279	109	57	2136

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% within Interview Year	43.9%	35.3%	13.1%	5.1%	2.7%	100.0%
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Table 13. Interview Year * Catch and Release Only Crosstabulation

Interview Year		Catch and Release Only		Total
		Support	Oppose	
1990	Count	45	71	116
	% within Interview Year	38.8%	61.2%	100.0%
1991	Count	94	124	218
	% within Interview Year	43.1%	56.9%	100.0%
1992	Count	151	189	340
	% within Interview Year	44.4%	55.6%	100.0%
1993	Count	94	141	235
	% within Interview Year	40.0%	60.0%	100.0%
1994	Count	103	105	208
	% within Interview Year	49.5%	50.5%	100.0%
1995	Count	166	56	222
	% within Interview Year	74.8%	25.2%	100.0%
1996	Count	114	18	132
	% within Interview Year	86.4%	13.6%	100.0%
1997	Count	57	4	61
	% within Interview Year	93.4%	6.6%	100.0%
1998	Count	43	4	47
	% within Interview Year	91.5%	8.5%	100.0%
1999	Count	17	6	23
	% within Interview Year	73.9%	26.1%	100.0%
Total	Count	884	718	1602
	% within Interview Year	55.2%	44.8%	100.0%

Table 14. Interview Year * Trophy fishery Crosstabulation

Interview Year		Trophy fishery		Total
		Support	Oppose	
1992	Count	16	196	212
	% within Interview Year	7.5%	92.5%	100.0%
1993	Count	8	224	232
	% within Interview Year	3.4%	96.6%	100.0%
1994	Count	50	145	195
	% within Interview Year	25.6%	74.4%	100.0%
1995	Count	14	14	28
	% within Interview Year	50.0%	50.0%	100.0%
1996	Count	3	11	14
	% within Interview Year	21.4%	78.6%	100.0%
1997	Count	1	5	6
	% within Interview Year	16.7%	83.3%	100.0%
1998	Count		3	3
	% within Interview Year		100.0%	100.0%
1999	Count	8	11	19
	% within Interview Year	42.1%	57.9%	100.0%
Total	Count	100	609	709
	% within Interview Year	14.1%	85.9%	100.0%

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Table 15. Interview Year * Increase limit Crosstabulation

Interview Year		Count	Increase limit		Total
			1	2	
1990	Count	20	96	116	
	% within Interview Year	17.2%	82.8%	100.0%	
1991	Count	43	173	216	
	% within Interview Year	19.9%	80.1%	100.0%	
1992	Count	43	291	334	
	% within Interview Year	12.9%	87.1%	100.0%	
1993	Count	18	213	231	
	% within Interview Year	7.8%	92.2%	100.0%	
1994	Count	41	164	205	
	% within Interview Year	20.0%	80.0%	100.0%	
1995	Count	24	50	74	
	% within Interview Year	32.4%	67.6%	100.0%	
1996	Count	19	29	48	
	% within Interview Year	39.6%	60.4%	100.0%	
1997	Count	6	7	13	
	% within Interview Year	46.2%	53.8%	100.0%	
1998	Count	1	1	2	
	% within Interview Year	50.0%	50.0%	100.0%	
1999	Count	1	15	16	
	% within Interview Year	6.3%	93.8%	100.0%	
Total	Count	216	1039	1255	
	% within Interview Year	17.2%	82.8%	100.0%	

Table 16. Interview Year * Size of fish satisfaction Crosstabulation

		Size of fish satisfaction				Total
		Very Good	Good	Fair	Poor	
1990	Count	10	47	29	27	3
	% within Interview Year	8.6%	40.5%	25.0%	23.3%	2.6% 116
1991	Count	31	88	65	27	12 223
	% within Interview Year	13.9%	39.5%	29.1%	12.1%	5.4% 100.0%
1992	Count	8	50	31	18	10 117
	% within Interview Year	6.8%	42.7%	26.5%	15.4%	8.5% 100.0%
1993	Count	1				1
	% within Interview Year	100.0%				100.0%
1994	Count	7	16	11	1	35
	% within Interview Year	20.0%	45.7%	31.4%	2.9%	100.0%
1995	Count	1	3	1	1	6
	% within Interview Year	16.7%	50.0%	16.7%	16.7%	100.0%
1996	Count	2	9	5		16
	% within Interview Year	12.5%	56.3%	31.3%		100.0%
1997	Count		1			1
	% within Interview Year	100.0%				100.0%
TOTAL	Count	60	214	142	74	25 515
	% within Interview Year	11.7%	41.6%	27.6%	14.4%	4.9% 100.0%

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Table 17. Number of fish released by size class and year.

	Interview Year									
	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Number of RBT released < 10 inches	38	159	114	104	373	103	124	0	6	6
Number of RBT released 10-16 inches	1006	2329	1148	1052	1895	5754	10156	5951	15948	18473
Number of RBT released 16-22 inches	4034	8888	4035	2186	1131	1297	462	2246	4762	2836
Number of RBT released > 22 inches	70	130	98	40	20	33	46	19	25	28

LITERATURE CITED

Reger, S.J., L. Piest, and K. Tinning. 1989. Colorado River Lee's Ferry fish management report 1985 – 1988. Arizona Game and Fish Department, Flagstaff, AZ.

Niccum, J., Y. Magnuson, S. Reger. 1998. Colorado River Lee's Ferry status report. Arizona Game and Fish Department, Federal Aid Project F-7-M, report 98-25.

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APPENDIX A: COPIES OF DATASHEETS USED IN LEES FERRY CREEL SURVEYS.

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Revision 11/97

LEE'S FERRY
CREEL INTERVIEW QUESTIONS

- 1) In the past five years has your fishing time
 - 1) Increased
 - 2) Decreased
 - 3) No Change
- 2) In any given year do you fish:
 - 1) Less than 20 days per year
 - 2) More than 20 days per year
- 3) Estimate age category:
 - 1) under 14
 - 2) 14-20
 - 3) 21-40
 - 4) 41+
- 4) Given the choice would you rather:
 - 1) Catch a few big fish, 12" plus
 - 2) Catch a lot of small fish, 12" plus
 - 3) Do not care
- 5) What do you do with the fish you catch:
 - 1) Release
 - 2) Keep to eat
 - 3) Give away

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ARIZONA GAME AND FISH DEPARTMENT CREEL SURVEY - LEES FERRY 11/97

	FISH RELEASED				FISH KEPT			
	<10	10-16	16-22	>22	LT	WT	LT	WT
DATE								
BOAT SHORE								
NUMBER ANGLERS								
NUMBER JUVENILES								
NUMBER SUCCESSFUL								
COMPLETED TRIP Y N								

BAIT USED	STATE	COUNTY
FLY LURE		

INTERVIEWED PREVIOUSLY YES NO

AVERAGE NUMBER TRIPS PER YEAR _____ AVERAGE LENGTH OF STAY _____

	VERY GOOD	GOOD	FAIR	POOR	VERY POOR
NUMBER FISH					
REGULATIONS					
OVERALL					

	YES	NO
CATCH & RELEASE ONLY		
ANNUAL TROPHY		
ONE PAN SIZE		
INCREASE LIMIT		
NO SLOT		
SINGLE HOOK		
AS IS		
TOO THIN		
GUIDED		

APPENDIX B: Behavior Research Center, 1994. A survey of a selected group of anglers who fish at Lee's Ferry.

**APPENDIX C: EXAMPLE OF GLEN CANYON NATIONAL RECREATION AREA
MONTHLY PUBLIC USE REPORT, JULY 2001.**

Arizona Game and Fish Department

**A SURVEY OF A SELECTED GROUP OF
ANGLERS WHO FISH AT LEE'S FERRY**



May 1994



Your purchase of
fishing equipment and
motorboat fuels supports
Sport Fish Restoration
and boating access facilities



Arizona Game and Fish Department

**A SURVEY OF A SELECTED GROUP OF
ANGLERS WHO FISH AT LEE'S FERRY**



May 1994



Your purchase of
fishing equipment and
motorboat fuels supports
Sport Fish Restoration
and boating access facilities

Prepared by

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94110Leeferry.Cov

behavior research center

phoenix, arizona

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INTRODUCTION

This study was commissioned by the Arizona Game & Fish Department (AGFD). The primary purpose of this effort was to determine the attitudes of a selected group of anglers toward AGFD's management policies at Lee's Ferry.

The information contained in this report is based on 204 telephone interviews conducted with individuals who had fished at Lee's Ferry. The sample utilized on this project was generated from the following sources:

- AGFD's fishing license records pulled from licensed dealers in the Lee's Ferry area;
- AGFD's Angler Survey data base;
- Membership lists provided by Trout Unlimited, Arizona Fly Casters and Northern Arizona Fly Casters.

It was not the intent of this survey to represent the views of all anglers toward the issues at hand. Rather, the intent of this survey was to gather the input of not only "general" anglers but also "special interest" anglers who belong to either Trout Unlimited, Arizona Fly Casters, or Northern Arizona Fly Casters. Thus, the final study sample of 204 interviews contains the following number of interviews with representatives of each angler group.

<u>Organization Membership</u>	<u>Number of Interviews</u>
Not a member of any organization	80
Trout Unlimited	68
Arizona Fly Casters	53
Northern Arizona Fly Casters	15
Federation of Fly Fishermen	7
Federation of Fly Casters	5
Desert Fly Casters	4
North American Fishing Club	1
Tucson Fly Tiers	1
Private club (name not determined)	1
	<u>1235</u>

¹NOTE: Total exceeds sample base of 204 because 27 of the anglers surveyed belong to more than one organization.

The questionnaire used in this study was designed by Behavior Research Center (BRC) in conjunction with the AGFD Fisheries Branch (see appended questionnaire). After approval of the preliminary draft questionnaire, it was pre-tested with a randomly selected cross-section of six Arizona anglers. The pre-test focused on the value and understandability of the questions, adequacy of response categories, questions for which probes were necessary, and the like. Following the pre-test, the final form was approved by the AGFD.

All of the interviewing on this project was conducted between May 3 and May 8, 1994 at the Center's central location telephone facility where each interviewer worked under the direct supervision of BRC supervisory personnel. All of the interviewers who worked on this project were professional interviewers of the Center. Each had prior experience with BRC and received a thorough briefing on the particulars of this study. During the briefing, the interviewers were trained on (a) the purpose of the study, (b) sampling procedures, (c) administration of the questionnaire, and (d) other project-related factors. In addition, each interviewer completed a set of practice interviews to ensure that all procedures were understood and followed.

Interviewing on this study was conducted during an approximately equal cross-section of daytime, evening, and weekend hours. This procedure was followed to ensure that all anglers were equally represented, regardless of work schedules. Further, during the interviewing segment of this study, up to four separate attempts, on different days and during different times of day, were made to contact each selected angler. Only after four unsuccessful attempts was a selected angler substituted in the sample. Using this methodology, the full sample was completed, and partially completed interviews were not accepted nor counted toward fulfillment of the total sample quotas.

As the data collection segment of this study was being undertaken, completed and validated interviews were turned over to BRC's in-house coding department. The coding department edited, validated and coded the interviews. Each interview that received final coding department approval was then transferred to keypunching where each was 100 percent key verified. Upon completion of keypunching, a series of validity and logic checks were run on the data to insure they were "clean" and representative of the sample universe. Following this step the detailed tables presented in the Appendix of this report were generated.

When analyzing the results of this survey, it should be kept in mind that all surveys are subject to sampling error. Sampling error, stated simply, is the difference between the results obtained from a sample and those which would be obtained by surveying the entire population under consideration. The size of sampling error varies, to some extent, with the number of interviews completed and with the division of opinion on a particular question. The estimated sampling error for this study is +/- 7.0 percent. This sampling error has been calculated at the confidence level most frequently used by social scientists, the 95 percent level. This sampling error is an average figure that represents the maximum error for the sample (i.e., for the survey findings where the division of opinion is approximately 50%/50%). Survey findings that show a more one-sided distribution of opinion, such as 70%/30% or 90%/10%, are usually subject to slightly lower sampling tolerances.

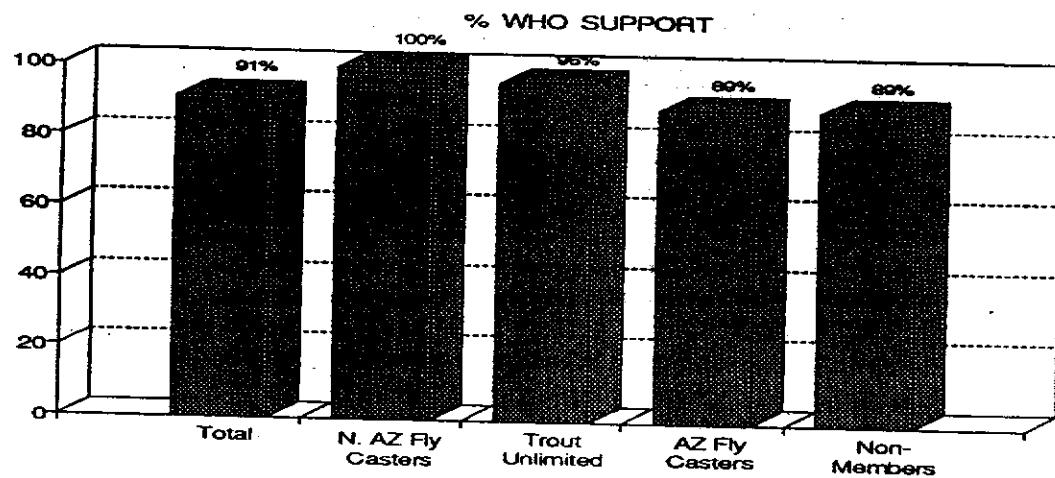
The Behavior Research Center has provided all of the information germane to the basic research objectives of this project. However, if AGFD management requires additional data retrieval or interpretation, we stand ready to provide such input.

BEHAVIOR RESEARCH CENTER

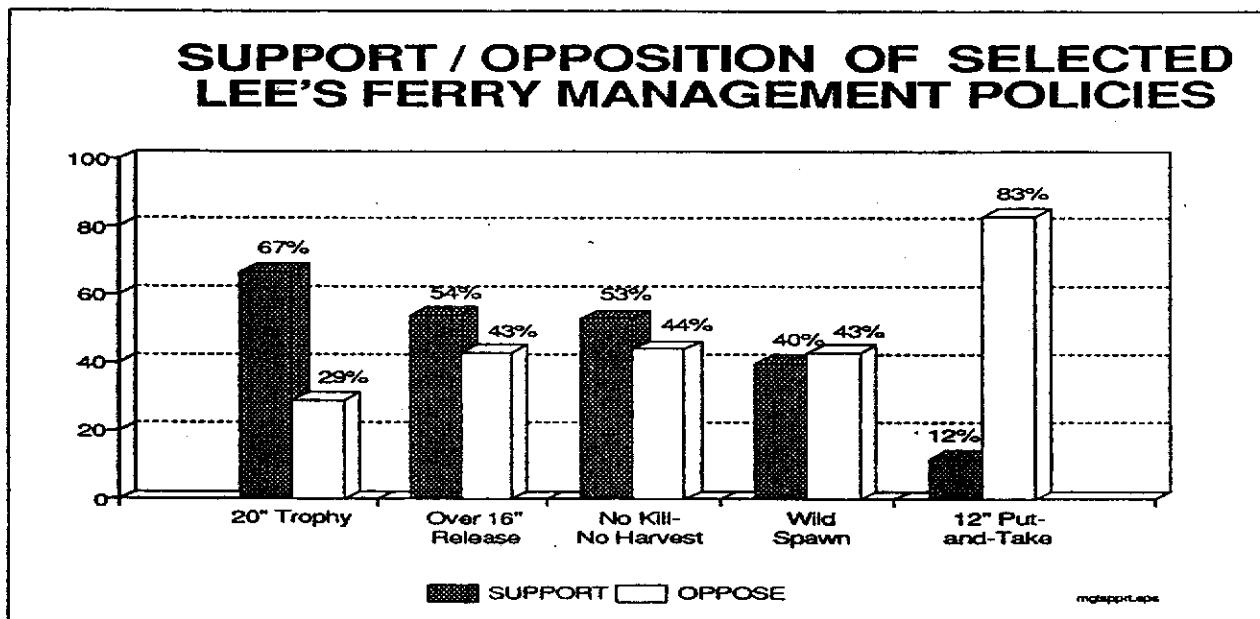
SUMMARY OF THE FINDINGS

- Fifty-seven percent of the anglers surveyed in this study fished at Lee's Ferry in 1993 while 43 percent did not. The average angler who visited Lee's Ferry in 1993 did so 3.1 times during the year. Members of Northern Arizona Fly Casters made heavier use of Lee's Ferry than members of either Trout Unlimited or Arizona Fly Casters. (Table 1)
- Thirty percent of the anglers surveyed in this study began fishing at Lee's Ferry since 1990 while 31 percent began between 1985 and 1989 and 39 percent prior to 1985. (Table 2)
- Thirty-seven percent of anglers who fished at Lee's Ferry in 1993 utilized a guide. Trout Unlimited members reveal the highest use of guides (49%) and Northern Arizona Fly Casters the lowest use of guides (9%). (Table 3)
- Flies were used exclusively by 60 percent of anglers who visited Lee's Ferry in 1993. In comparison, 23 percent used lures exclusively and 17 percent used both flies and lures. (Table 3)
- Better than nine out of ten anglers (91%) who have fished Lee's Ferry support the current management policy of reduced bag and size limits to produce 18 inch trout and high catch rates. (Table 4)

SUPPORT OF CURRENT LEE'S FERRY MANAGEMENT POLICY



- Better than eight out of ten anglers (83%) who have fished Lee's Ferry oppose a "12 inch put-and-take" policy. (Table 5)
- Two out of three anglers (67%) who have fished Lee's Ferry support a "20 inch trophy trout" policy. (Table 6)
- A slight majority of anglers (53%) who have fished Lee's Ferry support a "no kill - no harvest" policy, however, 44 percent oppose such a policy. (Table 7)
- Fifty-four percent of anglers who have fished Lee's Ferry support an "over 16 inch release" policy while 43 percent oppose such a policy. (Table 8)
- Anglers who have fished Lee's Ferry are split on a "natural wild spawn" policy with 40 percent in support and 43 percent in opposition (Table 9). Further, 88 percent of those who support this policy would still do so even if it means fewer trout would be taken. (Table 10)



- The typical fishing party to Lee's Ferry in 1993 spent an average of \$460 per trip with 36 percent of all parties spending over \$600 per trip. As might be expected, members of the Northern Arizona Fly Casters spend considerably less on average (\$150) than members of either Trout Unlimited (\$438) or Arizona Fly Casters (\$450). (Table 11)
- The typical visitor to Lee's Ferry in 1993 was male (91%) and an Arizona resident (83%).

SUMMARY TABLES

TABLE 1: TIMES FISHED LEE'S FERRY 1993

"And how many fishing trips, if any, did you make to Lee's Ferry in 1993?"

	ORGANIZATION MEMBERSHIP					
	Total	Non-Member	Trout Unlimited	Arizona Fly Casters	Northern Arizona Fly Casters	Other
Zero	43%	22%	52%	68%	27%	53%
1 time	34	58	19	21	0	18
2 to 3 times	15	14	19	7	33	23
4 or more times	8	6	10	4	40	6
	100%	100%	100%	100%	100%	100%
Mean - all persons	1.7	1.3	2.4	.6	5.5	1.1
Mean - persons having fished at least 1 time	3.1	1.6	5.0	1.7	7.6	2.4

~~~~~

TABLE 2: LENGTH OF TIME FISHING AT LEE'S FERRY

"In what year did you first fish at Lee's Ferry?"

|               |      |
|---------------|------|
| 1990 to 1994  | 30%  |
| 1985 to 1989  | 31   |
| Prior to 1985 | 39   |
|               | 100% |

~~~~~

TABLE 3: FISHING PATTERNS AT LEE'S FERRY
(AMONG THOSE HAVING FISHED IN 1993)

"Did you fish with a guide at Lee's Ferry during 1993?"

ORGANIZATION MEMBERSHIP

	Total	Non-Member	Trout Unlimited	Arizona Fly Casters	Northern Arizona Fly Casters	Other
Yes	37%	39%	49%	29%	9%	38%
No	<u>63</u>	<u>61</u>	<u>51</u>	<u>71</u>	<u>91</u>	<u>62</u>
	100%	100%	100%	100%	100%	100%

"And when you fished at Lee's Ferry in 1993 did you use flies, lures or both flies and lures?"

Flies	60%	34%	97%	82%	100%	88%
Lures	23	42	0	0	0	0
Both	<u>17</u>	<u>24</u>	<u>3</u>	<u>18</u>	<u>0</u>	<u>12</u>
	100%	100%	100%	100%	100%	100%

TABLE 4: ATTITUDE ABOUT CURRENT LEE'S
FERRY MANAGEMENT POLICY

"Lee's Ferry is currently managed with reduced bag limits and size limits to produce 18 inch trout and high catch rates. Do you support or oppose this management policy at Lee's Ferry?"

	Support	Oppose	Not Sure
Total	91%	6%	3%
<u>ORGANIZATION</u>			
Non-member	89	9	2
Trout Unlimited	96	4	0
Arizona Fly Casters	89	7	4
Northern Arizona Fly Casters	100	0	0
Other	100	0	0
<u>FISHED LEE'S FERRY 1993</u>			
Yes	91	6	3
No	91	7	2
<u>1ST FISHED LEE'S FERRY</u>			
1990 to 1994	94	4	2
1985 to 1989	91	6	3
Prior to 1985	89	10	1

TABLE 5: ATTITUDE ABOUT 12 INCH PUT-AND-TAKE POLICY

"Would you support or oppose a policy where the area is stocked with 12 inch trout and there is no restriction on the size of trout that may be taken?"

	Support	Oppose	Not Sure
Total	12%	83%	5%
<u>ORGANIZATION</u>			
Non-member	19	76	5
Trout Unlimited	6	86	8
Arizona Fly Casters	9	89	2
Northern Arizona Fly Casters	0	87	13
Other	0	100	0
<u>FISHED LEE'S FERRY 1993</u>			
Yes	12	82	6
No	11	84	5
<u>1ST FISHED LEE'S FERRY</u>			
1990 to 1994	11	80	9
1985 to 1989	14	83	3
Prior to 1985	10	87	3

TABLE 6: ATTITUDE ABOUT 20 INCH TROPHY TROUT POLICY

"Would you support or oppose a policy where all trout under 20 inches must be released and only one trout over 20 inches may be kept?"

	Support	Oppose	Not Sure
Total	67%	29%	4%
<u>ORGANIZATION</u>			
Non-member	54	40	6
Trout Unlimited	75	23	2
Arizona Fly Casters	77	19	4
Northern Arizona Fly Casters	67	27	6
Other	82	12	6
<u>FISHED LEE'S FERRY 1993</u>			
Yes	64	33	3
No	70	24	6
<u>1ST FISHED LEE'S FERRY</u>			
1990 to 1994	67	28	5
1985 to 1989	68	27	5
Prior to 1985	65	32	3

TABLE 7: ATTITUDE ABOUT NO KILL - NO HARVEST POLICY

"Would you support or oppose a "no kill-no harvest" policy where all trout, regardless of size, must be released?"

	Support	Oppose	Not Sure
Total	53%	44%	3%
<u>ORGANIZATION</u>			
Non-member	33	65	2
Trout Unlimited	76	20	4
Arizona Fly Casters	57	41	2
Northern Arizona Fly Casters	53	47	0
Other	94	6	0
<u>FISHED LEE'S FERRY 1993</u>			
Yes	48	46	6
No	58	42	0
<u>1ST FISHED LEE'S FERRY</u>			
1990 to 1994	52	43	5
1985 to 1989	49	49	2
Prior to 1985	57	40	3

TABLE 8: ATTITUDE ABOUT OVER 16 INCH RELEASE POLICY

"Would you support or oppose a policy where all trout over 16 inches must be released and only two trout under 16 inches may be kept?"

	Support	Oppose	Not Sure
Total	54%	43%	3%
<u>ORGANIZATION</u>			
Non-member	44	54	2
Trout Unlimited	52	44	4
Arizona Fly Casters	62	36	2
Northern Arizona Fly Casters	73	27	0
Other	53	47	0
<u>FISHED LEE'S FERRY 1993</u>			
Yes	53	44	3
No	56	42	2
<u>1ST FISHED LEE'S FERRY</u>			
1990 to 1994	58	37	5
1985 to 1989	49	49	2
Prior to 1985	53	45	2

TABLE 9: ATTITUDE ABOUT NATURAL WILD SPAWN POLICY

"Would you support or oppose a policy where the Game & Fish Department stopped stocking Lee's Ferry with hatchery trout and the area was maintained only through natural wild spawn?"

	Support	Oppose	Not Sure
Total	40%	43%	17%
<u>ORGANIZATION</u>			
Non-member	30	51	19
Trout Unlimited	51	32	17
Arizona Fly Casters	42	47	11
Northern Arizona Fly Casters	27	47	26
Other	65	18	17
<u>FISHED LEE'S FERRY 1993</u>			
Yes	40	42	18
No	41	44	15
<u>1ST FISHED LEE'S FERRY</u>			
1990 to 1994	38	42	20
1985 to 1989	36	51	13
Prior to 1985	47	37	16

TABLE 10: ATTITUDE ABOUT NATURAL WILD SPAWN

POLICY IF MEANT FEWER TROUT (AMONG
THOSE FAVORING POLICY)

"And would you still support this policy if it meant there may be fewer trout?

Yes	88%
No	6
Not sure	6
	100%

TABLE 11: LEE'S FERRY TRIP SPENDING

"Next, on a typical fishing trip to Lee's Ferry, what would you estimate is the total amount of spending by all members of your fishing party? Please include any spending for such things as transportation, lodging, food and beverages, licenses, entry fees, gas, tackle, bait and the like."

(AMONG THOSE FISHING LEE'S FERRY IN 1993)

Under \$100	10%
\$100 to \$199	16
\$200 to \$299	9
\$300 to \$399	9
\$400 to \$499	9
\$500 to \$599	11
\$600 to \$999	22
\$1,000 or over	14
	100%

MEDIAN TRIP SPENDING \$460

ORGANIZATION

Non-member	\$530
Trout Unlimited	\$438
Arizona Fly Casters	\$450
Northern Arizona Fly Casters	\$150
Other	\$700

RESIDENCE

Arizona	\$400
Other state	\$600

TABLE 12: SAMPLE PROFILE

FISHED LEE'S
FERRY IN 1993

	Total	Yes	No
<u>GENDER</u>			
Male	92%	91%	93%
Female	<u>8</u> 100%	<u>9</u> 100%	<u>7</u> 100%
<u>PLACE OF RESIDENCE</u>			
Arizona	88%	83%	95%
Out-of-state	<u>12</u> 100%	<u>17</u> 100%	<u>5</u> 100%
<u>ORGANIZATIONS</u>			
Non-member	39%	53%	21%
Trout Unlimited	34	28	41
Arizona Fly Casters	26	15	41
Northern Arizona Fly Casters	7	10	5
Federation of Fly Fishermen	3	3	3
Federation of Fly Casters	3	3	2
Desert Fly Casters	2	1	3
North American Fishing Club	*	0	1
Tucson Fly Tiers	*	0	1

*Indicates % less than .5

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## **APPENDIX**

**Survey Questionnaire**

**Detailed Tables**

Hello, may I speak to (LISTED NAME), please?

**(IF DESIGNATED RESPONDENT NOT HOME, ARRANGE CALLBACK)**

CALLBACK INFO: \_\_\_\_\_

**(WHEN DESIGNATED RESPONDENT ON LINE):**

Hello, (LISTED NAME), my name is \_\_\_\_\_ and I'm with the Behavior Research Center of Arizona. We're conducting a brief study for the Arizona Game and Fish Department and I'd like to speak with you for a few minutes.

Before we get started, have you ever fished at Lee's Ferry?

**IF YES: CONTINUE      IF NO: THANK RESPONDENT & TERMINATE**

- |                                                                                                                                                                                            |                                           |         |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|---------|
| 1. In what year did you first fish at Lee's Ferry?                                                                                                                                         | NUMBER /_____/____/                       | (9-10)  |
| 2. And, how many fishing trips, if any, did you make to Lee's Ferry in 1993?                                                                                                               | NUMBER /_____/____/                       | (11-12) |
| <div style="border: 1px solid black; padding: 5px; text-align: center;"><b>(IF LEE'S FERRY FISHED IN 1993, GO TO Q3<br/>IF LEE'S FERRY NOT FISHED IN 1993, GO TO Q5)</b></div>             |                                           |         |
| 3. Did you fish with a guide at Lee's Ferry during 1993?                                                                                                                                   | Yes...1<br>No...2                         | (13)    |
| 4. And when you fished at Lee's Ferry in 1993 did you use flies, lures or both flies and lures?                                                                                            | Flies...1<br>Lures...2<br>Both...3        | (14)    |
| 5. Lee's Ferry is currently managed with reduced bag limits and size limits to produce 18 inch trout and high catch rates. Do you support or oppose this management policy at Lee's Ferry? | Support...1<br>Oppose...2<br>Not sure...3 | (15)    |
| 6. Next, would you support or oppose each of the following management policies at Lee's Ferry? (BEGIN WITH CIRCLED LETTER)                                                                 | Support      Oppose      Not Sure         |         |
| A. A policy where the area is stocked with 12 inch trout and there is no restriction on the size of trout that may be taken .....                                                          | 1      2      3                           | (16)    |
| B. A policy where all trout under 20 inches must be released and only one trout over 20 inches may be kept .....                                                                           | 1      2      3                           | (17)    |
| C. A "no kill-no harvest" policy where all trout, regardless of size, must be released .....                                                                                               | 1      2      3                           | (18)    |
| D. A policy where all trout over 16 inches must be released and only two trout under 16 inches may be kept .....                                                                           | 1      2      3                           | (19)    |

7. Next, would you support or oppose a policy where the Game & Fish Department stopped stocking Lee's Ferry with hatchery trout and the area was maintained only through natural wild spawn? (GO TO Q7a) Support...1 (GO TO Q8) Oppose...2 Not sure...3 (20)
- 7a. And would you still support this policy even if it meant there may be fewer trout? Yes...1 No...2 Not sure...3 (21)
8. Next, on a typical fishing trip to Lee's Ferry, what would you estimate is the total amount of spending by all members of your fishing party? Please include any spending for such things as transportation, lodging, food and beverages, licenses, entry fees, gas, tackle, bait and the like. AMOUNT / \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_ (22-25)
9. Finally, are you a member of any trout fishing organizations? (IF YES) ASK: Which ones? No...1 Trout Unlimited...2 Arizona Fly Casters...3 Northern Arizona Fly Casters...4 Other (SPECIFY)... (26) (27) (28)

Thank you very much, that completes this interview. We appreciate your help on this project.  
Have a good day/evening. (VERIFY PHONE NUMBER)

NAME: \_\_\_\_\_ PHONE #: \_\_\_\_\_ (29-35)  
 CITY: \_\_\_\_\_ (36-37)  
**OBSERVED DATA:** Male...1 (38)  
 Female...2  
**SAMPLE SOURCE:** Licensed Dealer List...1 (39)  
 Angler Survey List...2  
 Northern Arizona Fly Casters Club List...3  
 Trout Unlimited List...4  
 Arizona Fly Casters List...5

**ADMINISTRATIVE DATA:**

INTERVIEWER NAME: \_\_\_\_\_ #: \_\_\_\_\_ (40-42)  
 VALIDATED BY: \_\_\_\_\_ #: \_\_\_\_\_ (43-45)  
 CODED BY: \_\_\_\_\_ #: \_\_\_\_\_ (46-48)

Lees Ferry Creel Data Compilation Project  
 Draft Final Report  
 September 2001

ARIZONA GAME AND FISH DEPARTMENT CREEL SURVEY - LEES FERRY 11/97

|                       | FISH RELEASED |       |       |     | FISH KEPT |    |    |    |
|-----------------------|---------------|-------|-------|-----|-----------|----|----|----|
|                       | <10           | 10-16 | 16-22 | >22 | LT        | WT | LT | WT |
| DATE                  |               |       |       |     |           |    |    |    |
| BOAT      SHORE       |               |       |       |     |           |    |    |    |
| NUMBER ANGLERS        |               |       |       |     |           |    |    |    |
| NUMBER JUVENILES      |               |       |       |     |           |    |    |    |
| NUMBER SUCCESSFUL     |               |       |       |     |           |    |    |    |
| COMPLETED TRIP Y    N |               |       |       |     |           |    |    |    |

|                     |       |        |
|---------------------|-------|--------|
| BAIT USED           | STATE | COUNTY |
| FLY            LURE |       |        |

INTERVIEWED PREVIOUSLY    YES    NO

AVERAGE NUMBER TRIPS PER YEAR \_\_\_\_\_ AVERAGE LENGTH OF STAY \_\_\_\_\_

|             | VERY GOOD | GOOD | FAIR | POOR | VERY POOR |
|-------------|-----------|------|------|------|-----------|
| NUMBER FISH |           |      |      |      |           |
| REGULATIONS |           |      |      |      |           |
| OVERALL     |           |      |      |      |           |

|                      | YES | NO |
|----------------------|-----|----|
| CATCH & RELEASE ONLY |     |    |
| ANNUAL TROPHY        |     |    |
| ONE PAN SIZE         |     |    |
| INCREASE LIMIT       |     |    |
| NO SLOT              |     |    |
| SINGLE HOOK          |     |    |
| AS IS                |     |    |
| TOO THIN             |     |    |
| GUIDED               |     |    |

Revision 11/97

LEE'S FERRY  
CREEL INTERVIEW QUESTIONS

1) In the past five years has your fishing time

- 1) Increased
- 2) Decreased
- 3) No Change

2) In any given year do you fish:

- 1) Less than 20 days per year
- 2) More than 20 days per year

3) Estimate age category:

- 1) under 14
- 2) 14-20
- 3) 21-40
- 4) 41+

4) Given the choice would you rather:

- 1) Catch a few big fish, 12" plus
- 2) Catch a lot of small fish, 12" plus
- 3) Do not care

5) What do you do with the fish you catch:

- 1) Release
- 2) Keep to eat
- 3) Give away

**APPENDIX B: Behavior Research Center, 1994. A survey of a selected group of anglers who fish at Lee's Ferry.**

BEHAVIOR RESEARCH CENTER, INC.

AZ GAME &amp; FISH DEPT.

## Q.1X WHAT YEAR DID YOU FIRST FISH AT LEE'S FERRY? (NET)

|                    | FISHED IN '93 AT<br>LEE'S FERRY | 1ST FISHED L.F. |       |         | ORGANZ'N MEMBER |           |         |         |       |       |       |
|--------------------|---------------------------------|-----------------|-------|---------|-----------------|-----------|---------|---------|-------|-------|-------|
|                    |                                 | '93-'94         |       | '85-'89 | BEFORE          | NONE      | TROUT   | AZ_FLY  | NO.AZ | FLY   |       |
|                    |                                 | YES             | NO    |         | '85             | UNLIMITED | CASTERS | CASTERS |       | OTHER |       |
| Total Respondents  | 204                             | 116             | 88    | 79      | 63              | 62        | 80      | 69      | 53    | 15    | 17    |
| R                  | 100.0                           | 56.9            | 43.1  | 39.7    | 38.9            | 38.4      | 39.2    | 33.8    | 26.0  | 7.4   | 8.3   |
| C                  | 100.0                           | 100.0           | 100.0 | 100.0   | 100.0           | 100.0     | 100.0   | 100.0   | 100.0 | 100.0 | 100.0 |
| 1. 1984 & LATER    | 62                              | 28              | 34    |         |                 | 62        | 13      | 23      | 21    | 8     | 8     |
| R                  | 100.0                           | 45.2            | 54.8  |         |                 | 100.0     | 21.0    | 37.1    | 33.9  | 12.9  | 12.9  |
| C                  | 38.4                            | 24.1            | 38.6  |         |                 | 100.0     | 16.3    | 33.3    | 39.6  | 53.3  | 47.1  |
| 2. 1985-1989       | 63                              | 32              | 31    |         | 63              | 1         | 23      | 24      | 17    | 6     | 5     |
| R                  | 100.0                           | 50.8            | 49.2  |         | 100.0           | 1         | 36.5    | 38.1    | 27.0  | 9.5   | 7.9   |
| C                  | 38.9                            | 27.6            | 35.2  |         | 100.0           | 1         | 28.8    | 34.8    | 32.1  | 40.0  | 29.4  |
| 3. 1990 TO PRESENT | 79                              | 56              | 23    | 79      |                 | 1         | 44      | 22      | 15    | 1     | 4     |
| R                  | 100.0                           | 70.9            | 29.1  | 100.0   |                 | 1         | 55.7    | 27.8    | 19.0  | 1.3   | 5.1   |
| C                  | 38.7                            | 48.3            | 26.1  | 100.0   |                 | 1         | 55.0    | 31.9    | 28.3  | 6.7   | 23.5  |
|                    |                                 |                 |       |         |                 | 1         |         |         |       |       |       |

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Q.2X HOW MANY FISHING TRIPS, IF ANY, DID YOU MAKE TO LEE'S FERRY IN  
1993? (NET)

|                   | FISHED IN '93 AT<br>LEE'S FERRY | 1ST FISHED L.F. |       |         | ORGANZ'N MEMBER |       |           | NO. AZ<br>FLY<br>CASTERS | OTHER |
|-------------------|---------------------------------|-----------------|-------|---------|-----------------|-------|-----------|--------------------------|-------|
|                   |                                 | '93-'94         |       | '85-'89 | BEFORE<br>'85   | NONE  | TROUT     |                          |       |
|                   |                                 | YES             | NO    |         |                 |       | UNLIMITED |                          |       |
| Total Respondents | 204                             | 116             | 88    | 79      | 63              | 62    | 80        | 69                       | 53    |
| R                 | 100.0                           | 56.9            | 43.1  | 39.7    | 39.9            | 39.4  | 39.2      | 33.8                     | 26.0  |
| C                 | 100.0                           | 100.0           | 100.0 | 100.0   | 100.0           | 100.0 | 100.0     | 100.0                    | 100.0 |
| 2. ZERO           | 88                              |                 | 88    | 23      | 31              | 34    | 18        | 36                       | 35    |
| R                 | 100.0                           |                 | 100.0 | 26.1    | 35.2            | 38.6  | 20.5      | 40.9                     | 40.9  |
| C                 | 43.1                            |                 | 100.0 | 29.1    | 49.2            | 54.8  | 22.5      | 52.2                     | 67.9  |
| 1. ONE            | 69                              | 69              |       | 38      | 22              | 9     | 46        | 13                       | 11    |
| R                 | 100.0                           | 100.0           |       | 55.1    | 31.9            | 13.0  | 66.7      | 18.8                     | 15.9  |
| C                 | 33.8                            | 59.5            |       | 48.1    | 34.9            | 14.5  | 57.5      | 18.8                     | 20.8  |
| 2. 2-3            | 30                              | 39              |       | 11      | 7               | 12    | 11        | 13                       | 4     |
| R                 | 100.0                           | 100.0           |       | 36.7    | 23.3            | 40.0  | 36.7      | 43.3                     | 13.3  |
| C                 | 14.7                            | 25.9            |       | 13.9    | 11.1            | 19.4  | 13.8      | 18.8                     | 33.3  |
| 4. 4 & MORE       | 17                              | 17              |       | 7       | 3               | 7     | 5         | 7                        | 2     |
| R                 | 100.0                           | 100.0           |       | 41.2    | 17.6            | 41.2  | 29.4      | 41.2                     | 11.8  |
| C                 | 8.3                             | 14.7            |       | 8.9     | 4.8             | 11.3  | 6.3       | 10.1                     | 3.8   |
|                   |                                 |                 |       |         |                 |       | 1         | 40.0                     | 5.9   |

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## Q.3 DID YOU FISH WITH A GUIDE AT LEE'S FERRY DURING 1993?

|                   | FISHED IN '93 AT<br>LEE'S FERRY |       | 1ST FISHED L.F. |         |               | ORGANZ'N MEMBER |       |                   |                         |       |
|-------------------|---------------------------------|-------|-----------------|---------|---------------|-----------------|-------|-------------------|-------------------------|-------|
|                   |                                 |       | '90-'94         | '85-'89 | BEFORE<br>'85 | NONE            | TROUT | AZ_FLY<br>CASTERS | NO.AZ<br>FLY<br>CASTERS | OTHER |
|                   | YES                             | NO    |                 |         |               |                 |       |                   |                         |       |
| Total Respondents | 116                             | 116   | 56              | 32      | 28            | 62              | 33    | 17                | 11                      | 8     |
| R                 | 100.0                           | 100.0 | 48.3            | 27.6    | 24.1          | 53.4            | 28.4  | 14.7              | 9.5                     | 6.9   |
| C                 | 100.0                           | 100.0 | 100.0           | 100.0   | 100.0         | 100.0           | 100.0 | 100.0             | 100.0                   | 100.0 |
| 1. YES            | 43                              | 43    | 26              | 12      | 5             | 24              | 16    | 5                 | 1                       | 3     |
| R                 | 100.0                           | 100.0 | 60.5            | 27.9    | 11.6          | 55.8            | 37.2  | 11.6              | 2.3                     | 7.0   |
| C                 | 37.1                            | 37.1  | 46.4            | 37.5    | 17.9          | 38.7            | 48.5  | 29.4              | 9.1                     | 37.5  |
| 2. NO             | 73                              | 73    | 30              | 20      | 23            | 38              | 17    | 12                | 10                      | 5     |
| R                 | 100.0                           | 100.0 | 41.1            | 27.4    | 31.5          | 52.1            | 23.3  | 16.4              | 13.7                    | 6.8   |
| C                 | 62.9                            | 62.9  | 53.6            | 62.5    | 82.1          | 61.3            | 51.5  | 70.6              | 90.9                    | 62.5  |

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Q. 4 WHEN YOU FISHED AT LEE'S FERRY IN 1993 DID YOU USE FLIES, LURES OR BOTH FLIES & LURES?

|                           | FISHED IN '93 AT |       | 1ST FISHED L.F. |         |               | ORGANZ'N MEMBER |       |                   | NO. AZ<br>FLY<br>CASTERS | NO. OTHER |
|---------------------------|------------------|-------|-----------------|---------|---------------|-----------------|-------|-------------------|--------------------------|-----------|
|                           | LEE'S            | FERRY | '90-'94         | '85-'89 | BEFORE<br>'85 | NONE            | TROUT | AZ_FLY<br>CASTERS |                          |           |
|                           | YES              | NO    |                 |         |               | UNLIMITED       |       |                   |                          |           |
| Total Respondents         | 116              | 116   |                 | 56      | 32            | 28              | 62    | 33                | 17                       | 11        |
| R                         | 100.0            | 100.0 |                 | 48.3    | 27.6          | 24.1            | 53.4  | 28.4              | 14.7                     | 9.5       |
| C                         | 100.0            | 100.0 |                 | 100.0   | 100.0         | 100.0           | 100.0 | 100.0             | 100.0                    | 100.0     |
| 1. FLIES                  | 63               | 69    |                 | 32      | 19            | 18              | 21    | 32                | 14                       | 11        |
| R                         | 100.0            | 100.0 |                 | 46.4    | 27.5          | 26.1            | 30.4  | 46.4              | 20.3                     | 15.9      |
| C                         | 59.5             | 59.5  |                 | 57.1    | 59.4          | 64.3            | 33.9  | 97.0              | 82.4                     | 100.0     |
| 2. LURES                  | 27               | 27    |                 | 16      | 8             | 3               | 26    |                   |                          |           |
| R                         | 100.0            | 100.0 |                 | 59.3    | 29.6          | 11.1            | 96.3  |                   |                          |           |
| C                         | 23.3             | 23.3  |                 | 28.6    | 25.0          | 19.7            | 41.9  |                   |                          |           |
| 3. BOTH: FLIES &<br>LURES | 20               | 20    |                 | 8       | 5             | 7               | 15    | 1                 | 3                        | 1         |
| R                         | 100.0            | 100.0 |                 | 40.0    | 25.0          | 35.0            | 75.0  | 5.0               | 15.0                     | 5.0       |
| C                         | 17.2             | 17.2  |                 | 14.3    | 15.6          | 25.0            | 24.2  | 3.0               | 17.6                     | 12.5      |

**BEHAVIOR RESEARCH CENTER, INC.**

AZ GAME & FISH DEPT.

Q.5 LEE'S FERRY IS CURRENTLY MANAGED WITH REDUCED BAG LIMITS & SIZE LIMITS TO PRODUCE 18 INCH TROUT & HIGH CATCH RATES. DO YOU SUPPORT / OPPOSE THIS MANAGEMENT POLICY AT LEE'S FERRY?

|                   | FISHED IN '93 AT |       | 1ST FISHED L.F. |       |         |       | ORGANZ'N MEMBER |           |         |         | NO.AZ<br>FLY | OTHER |
|-------------------|------------------|-------|-----------------|-------|---------|-------|-----------------|-----------|---------|---------|--------------|-------|
|                   | LEE'S FERRY      |       | '93-'94         |       | '95-'89 |       | BEFORE          | NONE      | TROUT   | AZ_FLY  |              |       |
|                   | YES              | NO    |                 |       |         |       | '85             | UNLIMITED | CASTERS | CASTERS |              |       |
| Total Respondents | 204              | 116   | 88              | 79    | 63      | 62    | 80              | 69        | 53      | 15      | 17           |       |
| R                 | 100.0            | 56.9  | 43.1            | 38.7  | 38.9    | 39.4  | 39.2            | 33.8      | 26.0    | 7.4     | 8.3          |       |
| C                 | 100.0            | 100.0 | 100.0           | 100.0 | 100.0   | 100.0 | 100.0           | 100.0     | 100.0   | 100.0   | 100.0        |       |
| 1. SUPPORT        | 186              | 106   | 80              | 74    | 57      | 55    | 71              | 66        | 47      | 15      | 17           |       |
| R                 | 100.0            | 57.0  | 43.0            | 39.8  | 38.6    | 39.6  | 38.2            | 35.5      | 25.3    | 8.1     | 9.1          |       |
| C                 | 91.2             | 91.4  | 90.9            | 93.7  | 90.5    | 88.7  | 88.8            | 95.7      | 88.7    | 100.0   | 100.0        |       |
| 2. OPPOSE         | 13               | 7     | 6               | 3     | 4       | 6     | 7               | 3         | 4       |         |              |       |
| R                 | 100.0            | 53.8  | 46.2            | 23.1  | 30.8    | 46.2  | 53.0            | 23.1      | 30.8    |         |              |       |
| C                 | 6.4              | 6.0   | 6.0             | 3.8   | 6.3     | 9.7   | 8.8             | 4.3       | 7.5     |         |              |       |
| 3. NOT SURE       | 5                | 3     | 2               | 2     | 2       | 1     | 2               |           |         | 2       |              |       |
| R                 | 100.0            | 60.0  | 40.0            | 40.0  | 40.0    | 20.0  | 40.0            |           |         | 40.0    |              |       |
| C                 | 2.5              | 2.6   | 2.3             | 2.5   | 3.2     | 1.6   | 2.5             |           |         | 3.8     |              |       |

**BEHAVIOR RESEARCH CENTER, INC.**

AZ GAME & FISH DEPT.

B.6 A SUPPORT / OPPOSE: A POLICY WHERE THE AREA IS STOCKED WITH 12 INCH TROUT & THERE IS NO RESTRICTION ON THE SIZE OF TROUT THAT MAY BE TAKEN?

|                   | FISHED IN '93 AT |       | 1ST FISHED L.F. |       |         |       | ORGANZ'N MEMBER |           |         |         | NO.AZ | OTHER |
|-------------------|------------------|-------|-----------------|-------|---------|-------|-----------------|-----------|---------|---------|-------|-------|
|                   | LEE'S FERRY      |       | '93-'94         |       | '85-'89 |       | BEFORE          | NONE      | TROUT   | AZ_FLY  |       |       |
|                   | YES              | NO    |                 |       |         |       | '85             | UNLIMITED | CASTERS | CASTERS |       |       |
| Total Respondents | 204              | 116   | 88              | 79    | 63      | 62    | 80              | 69        | 53      | 15      | 17    |       |
| R                 | 120.0            | 56.9  | 43.1            | 38.7  | 30.9    | 30.4  | 39.2            | 33.8      | 26.0    | 7.4     | 8.3   |       |
| C                 | 100.0            | 100.0 | 100.0           | 100.0 | 100.0   | 100.0 | 100.0           | 100.0     | 100.0   | 100.0   | 100.0 | 100.0 |
| 1. SUPPORT        | 24               | 14    | 10              | 9     | 9       | 6     | 15              | 4         | 5       |         |       |       |
| R                 | 100.0            | 58.3  | 41.7            | 37.5  | 37.5    | 25.0  | 62.5            | 16.7      | 20.8    |         |       |       |
| C                 | 11.8             | 12.1  | 11.4            | 11.4  | 14.3    | 9.7   | 18.8            | 5.8       | 9.4     |         |       |       |
| 2. OPPOSE         | 169              | 95    | 74              | 63    | 52      | 54    | 61              | 59        | 47      | 13      | 17    |       |
| R                 | 100.0            | 56.2  | 43.8            | 37.3  | 30.8    | 32.0  | 36.1            | 34.9      | 27.8    | 7.7     | 10.1  |       |
| C                 | 82.8             | 81.9  | 84.1            | 79.7  | 82.5    | 87.1  | 76.3            | 85.5      | 88.7    | 85.7    | 100.0 |       |
| 3. NOT SURE       | 10               | 6     | 4               | 6     | 2       | 2     | 4               | 5         | 1       | 2       |       |       |
| R                 | 100.0            | 60.0  | 40.0            | 60.0  | 20.0    | 20.0  | 40.0            | 50.0      | 10.0    | 20.0    |       |       |
| C                 | 4.9              | 5.2   | 4.5             | 7.6   | 3.2     | 3.2   | 5.0             | 7.2       | 1.9     | 13.3    |       |       |
| 4. REFUSED        | 1                | 1     | 1               | 1     |         |       |                 |           | 1       |         |       |       |
| R                 | 100.0            | 100.0 | 100.0           |       |         |       |                 | 100.0     |         |         |       |       |
| C                 | 0.5              | 0.9   | 1               | 1.3   |         |       |                 | 1.4       |         |         |       |       |

BEHAVIOR RESEARCH CENTER, INC.

AZ GAME & FISH DEPT.

**Q.6 B SUPPORT / OPPOSE: A POLICY WHERE ALL TROUT UNDER 20 INCHES MUST BE RELEASED & ONLY ONE TROUT OVER 20 INCHES MAY BE KEPT?**

|                   |       | FISHED IN '93 AT |       | 1ST FISHED L.F. |         |               | ORGANZ'N MEMBER |       |                   |       | NO. AZ<br>FLY<br>CASTERS | OTHER |
|-------------------|-------|------------------|-------|-----------------|---------|---------------|-----------------|-------|-------------------|-------|--------------------------|-------|
|                   |       | LEE'S<br>FERRY   |       | '93-'94         | '85-'89 | BEFORE<br>'85 | NONE            | TROUT | AZ_FLY<br>CASTERS |       |                          |       |
|                   |       | YES              | NO    |                 |         | '85           | UNLIMITED       |       |                   |       |                          |       |
| Total Respondents | 284   | 116              | 88    | 79              | 63      | 62            | 80              | 69    | 53                | 15    | 17                       |       |
| R                 | 100.0 | 56.9             | 43.1  | 38.7            | 38.9    | 30.4          | 39.2            | 33.8  | 26.0              | 7.4   | 8.3                      |       |
| C                 | 100.0 | 100.0            | 100.0 | 100.0           | 100.0   | 100.0         | 100.0           | 100.0 | 100.0             | 100.0 | 100.0                    |       |
| 1. SUPPORT        | 136   | 74               | 62    | 53              | 43      | 40            | 43              | 52    | 41                | 10    | 14                       |       |
| R                 | 100.0 | 54.4             | 45.6  | 39.0            | 31.6    | 29.4          | 31.6            | 38.2  | 30.1              | 7.4   | 10.3                     |       |
| C                 | 66.7  | 63.8             | 70.5  | 67.1            | 68.3    | 64.5          | 53.8            | 75.4  | 77.4              | 66.7  | 82.4                     |       |
| 2. OPPOSE         | 59    | 38               | 21    | 22              | 17      | 20            | 32              | 16    | 10                | 4     | 2                        |       |
| R                 | 100.0 | 64.4             | 35.6  | 37.3            | 28.8    | 33.9          | 54.2            | 27.1  | 16.9              | 6.8   | 3.4                      |       |
| C                 | 28.9  | 32.8             | 23.9  | 27.0            | 27.0    | 32.3          | 40.0            | 23.2  | 18.9              | 26.7  | 11.8                     |       |
| 3. NOT SURE       | 8     | 3                | 5     | 3               | 3       | 2             | 5               |       |                   | 1     | 1                        |       |
| R                 | 100.0 | 37.5             | 62.5  | 37.5            | 37.5    | 25.0          | 62.5            |       |                   | 25.0  | 12.5                     |       |
| C                 | 3.9   | 2.6              | 5.7   | 3.8             | 4.8     | 3.2           | 6.3             |       |                   | 3.8   | 5.9                      |       |
| 4. REFUSED        | 1     | 1                | 1     | 1               | 1       | 1             | 1               | 1     | 1                 |       |                          |       |
| R                 | 100.0 | 100.0            | 100.0 | 100.0           | 100.0   | 100.0         | 100.0           | 100.0 | 100.0             |       |                          |       |
| C                 | 0.5   | 0.9              | 1.3   | 1.3             | 1.3     | 1.3           | 1.3             | 1.4   | 1.4               |       |                          |       |

**BEHAVIOR RESEARCH CENTER, INC.**

AZ GAME & FISH DEPT.

0.6 C SUPPORT / OPPOSE: A "NO KILL - NO HARVEST" POLICY WHERE ALL TROUT, REGARDLESS OF SIZE, MUST BE RELEASED?

|                   | FISHED IN '93 AT |       | 1ST FISHED L.F. |       |         |       | ORGANZ'N MEMBER |           |         |         | NO.AZ<br>FLY | OTHER |
|-------------------|------------------|-------|-----------------|-------|---------|-------|-----------------|-----------|---------|---------|--------------|-------|
|                   | LEE'S FERRY      |       | '90-'94         |       | '85-'89 |       | BEFORE          | NONE      | TROUT   | AZ.FLY  |              |       |
|                   | YES              | NO    |                 |       |         |       | '85             | UNLIMITED | CASTERS | CASTERS |              |       |
| Total Respondents | 204              | 116   | 88              | 79    | 63      | 62    | 80              | 69        | 53      | 15      | 17           |       |
| R                 | 100.0            | 56.9  | 43.1            | 38.7  | 38.9    | 38.4  | 39.2            | 33.8      | 26.0    | 7.4     | 8.3          |       |
| C                 | 100.0            | 100.0 | 100.0           | 100.0 | 100.0   | 100.0 | 100.0           | 100.0     | 100.0   | 100.0   | 100.0        |       |
| 1. SUPPORT        | 107              | 56    | 51              | 41    | 31      | 35    | 26              | 52        | 30      | 8       | 16           |       |
| R                 | 100.0            | 52.3  | 47.7            | 38.3  | 29.0    | 32.7  | 24.3            | 48.6      | 28.0    | 7.5     | 15.0         |       |
| C                 | 52.5             | 49.3  | 58.0            | 51.9  | 49.2    | 56.5  | 32.5            | 75.4      | 56.6    | 53.3    | 94.1         |       |
| 2. OPPOSE         | 90               | 53    | 37              | 34    | 31      | 25    | 52              | 14        | 22      | 7       | 1            |       |
| R                 | 100.0            | 58.9  | 41.1            | 37.8  | 34.4    | 27.8  | 57.8            | 15.6      | 24.4    | 7.8     | 1.1          |       |
| C                 | 44.1             | 45.7  | 42.0            | 43.0  | 49.2    | 40.3  | 65.0            | 20.3      | 41.5    | 46.7    | 5.9          |       |
| 3. NOT SURC       | 6                | 6     | 3               | 1     | 2       | 2     | 2               | 2         | 1       |         |              |       |
| R                 | 100.0            | 100.0 | 50.0            | 16.7  | 33.3    | 33.3  | 33.3            | 33.3      | 16.7    |         |              |       |
| C                 | 2.9              | 5.2   | 3.8             | 1.6   | 3.2     | 2.5   | 2.9             | 1.9       |         |         |              |       |
| 4. REFUSED        | 1                | 1     | 1               |       |         |       |                 | 1         |         |         |              |       |
| R                 | 100.0            | 100.0 | 100.0           |       |         |       |                 | 100.0     |         |         |              |       |
| C                 | 0.5              | 0.9   | 1.3             |       |         |       |                 | 1.4       |         |         |              |       |

BEHAVIOR RESEARCH CENTER, INC.

AZ GAME & FISH DEPT.

Q.6 D SUPPORT / OPPOSE: A POLICY WHERE ALL TROUT OVER 16 INCHES MUST BE RELEASED & ONLY TWO TROUT UNDER 16 INCHES MAY BE KEPT?

|                   |   | FISHED IN '93 AT |       | 1ST FISHED L.F. |         |           | ORGANZ'N MEMBER |         |         |           |
|-------------------|---|------------------|-------|-----------------|---------|-----------|-----------------|---------|---------|-----------|
|                   |   | LCE'S            | FERRY | '93-'94         | '85-'89 | BEFORE    | NONE            | TROUT   | AZ_FLY  | NO.AZ_FLY |
|                   |   | YES              | NO    | '85             |         | UNLIMITED |                 | CASTERS | CASTERS | OTHER     |
| Total Respondents |   | 204              | 116   | 88              | 73      | 63        | 62              | 80      | 69      | 53        |
|                   | R | 100.0            | 56.9  | 43.1            | 39.7    | 30.9      | 30.4            | 39.2    | 33.8    | 26.0      |
|                   | C | 100.0            | 100.0 | 100.0           | 100.0   | 100.0     | 100.0           | 100.0   | 100.0   | 100.0     |
| 1. SUPPORT        |   | 110              | 61    | 49              | 45      | 31        | 33              | 35      | 36      | 33        |
|                   | R | 100.0            | 55.5  | 44.5            | 41.8    | 28.2      | 30.0            | 31.8    | 32.7    | 30.0      |
|                   | C | 53.9             | 52.6  | 55.7            | 58.2    | 49.2      | 53.2            | 43.8    | 52.2    | 62.3      |
| 2. OPPOSE         |   | 88               | 51    | 37              | 29      | 31        | 28              | 43      | 30      | 19        |
|                   | R | 100.0            | 58.0  | 42.0            | 33.0    | 35.2      | 31.8            | 48.9    | 34.1    | 21.6      |
|                   | C | 43.1             | 44.0  | 42.0            | 36.7    | 49.2      | 45.2            | 53.8    | 43.5    | 35.8      |
| 3. NOT SURE       |   | 5                | 3     | 2               | 3       | 1         | 1               | 2       | 2       | 1         |
|                   | R | 100.0            | 60.0  | 48.0            | 50.0    | 20.0      | 20.0            | 40.0    | 40.0    | 20.0      |
|                   | C | 2.5              | 2.6   | 2.3             | 3.8     | 1.6       | 1.6             | 2.5     | 2.9     | 1.9       |
| 4. REFUSED        |   | 1                | 1     |                 | 1       |           |                 |         | 1       |           |
|                   | R | 100.0            | 100.0 |                 | 100.0   |           |                 |         | 100.0   |           |
|                   | C | 0.5              | 0.9   |                 | 1.3     |           |                 |         | 1.4     |           |

**BEHAVIOR RESEARCH CENTER, INC.**

AZ GAME & FISH DEPT.

Q.7 SUPPORT / OPPOSE: A POLICY WHERE THE GAME & FISH DEPT. STOPPED STOCKING LEE'S FERRY WITH HATCHERY TROUT & THE AREA WAS MAINTAINED ONLY THROUGH NATURAL WILD SPAWN?

|                   | FISHED IN '93 AT |       | 1ST FISHED L.F. |       |         | ORGANZ'N MEMBER |           |         |        | NO. AZ |       |
|-------------------|------------------|-------|-----------------|-------|---------|-----------------|-----------|---------|--------|--------|-------|
|                   | LEE'S FERRY      |       | '92-'94         |       | '85-'89 | BEFORE          | NONE      | TROUT   | AZ FLY |        |       |
|                   | YES              | NO    |                 |       | '85     |                 | UNLIMITED | CASTERS | FLY    | OTHER  |       |
| Total Respondents | 204              | 116   | 88              | 79    | 63      | 62              | 80        | 69      | 53     | 15     | 17    |
| R                 | 100.0            | 56.9  | 43.1            | 39.7  | 39.9    | 39.4            | 39.2      | 33.8    | 26.0   | 7.4    | 8.3   |
| C                 | 100.0            | 100.0 | 100.0           | 100.0 | 100.0   | 100.0           | 100.0     | 100.0   | 100.0  | 100.0  | 100.0 |
| 1. SUPPORT        | 82               | 46    | 35              | 39    | 23      | 29              | 24        | 35      | 22     | 4      | 11    |
| R                 | 100.0            | 56.1  | 43.9            | 36.6  | 28.0    | 35.4            | 29.3      | 42.7    | 26.8   | 4.9    | 13.4  |
| C                 | 40.2             | 39.7  | 40.9            | 39.0  | 36.5    | 46.8            | 30.0      | 50.7    | 41.5   | 26.7   | 64.7  |
| 2. OPPOSE         | 88               | 49    | 39              | 33    | 32      | 23              | 41        | 22      | 25     | 7      | 3     |
| R                 | 100.0            | 55.7  | 44.3            | 37.5  | 36.4    | 26.1            | 46.6      | 25.0    | 28.4   | 8.0    | 3.4   |
| C                 | 43.1             | 42.2  | 44.3            | 41.8  | 50.8    | 37.1            | 51.3      | 31.9    | 47.2   | 45.7   | 17.5  |
| 3. NOT SURE       | 34               | 21    | 13              | 16    | 8       | 10              | 15        | 12      | 6      | 4      | 3     |
| R                 | 100.0            | 61.8  | 38.2            | 47.1  | 23.5    | 29.4            | 44.1      | 35.3    | 17.6   | 11.8   | 8.8   |
| C                 | 16.7             | 18.1  | 14.8            | 20.3  | 12.7    | 16.1            | 18.8      | 17.4    | 11.3   | 26.7   | 17.6  |

BEHAVIOR RESEARCH CENTER, INC.

AZ GAME &amp; FISH DEPT.

Q.7 A AND WOULD YOU STILL SUPPORT THIS POLICY EVEN IF IT MEANT THERE  
MAY BE FEWER TROUT?

|                   | FISHED IN '93 AT<br>LEE'S FERRY | 1ST FISHED L.F.<br>'90-'94<br>'85-'89<br>YES<br>NO | ORGANZ'N MEMBER |       |                    | NO. AZ<br>FLY<br>CASTERS | NO. AZ<br>FLY<br>CASTERS |       |
|-------------------|---------------------------------|----------------------------------------------------|-----------------|-------|--------------------|--------------------------|--------------------------|-------|
|                   |                                 |                                                    | '85             | NONE  | TROUT<br>UNLIMITED |                          |                          |       |
|                   |                                 |                                                    | 35              | 22    | 4                  |                          |                          |       |
| Total Respondents | 82                              | 46                                                 | 36              | 30    | 23                 | 29                       | 24                       | 35    |
| R                 | 100.0                           | 56.1                                               | 43.9            | 36.6  | 28.0               | 35.4                     | 29.3                     | 42.7  |
| C                 | 100.0                           | 100.0                                              | 100.0           | 100.0 | 100.0              | 100.0                    | 100.0                    | 100.0 |
| 1. YES            | 72                              | 41                                                 | 31              | 26    | 22                 | 24                       | 21                       | 31    |
| R                 | 100.0                           | 56.9                                               | 43.1            | 36.1  | 30.6               | 33.3                     | 29.2                     | 43.1  |
| C                 | 87.8                            | 83.1                                               | 86.1            | 86.7  | 95.7               | 82.8                     | 87.5                     | 88.6  |
| 2. NO             | 5                               | 2                                                  | 3               | 3     | 2                  | 2                        | 2                        | 1     |
| R                 | 100.0                           | 40.0                                               | 60.0            | 60.0  | 40.0               | 40.0                     | 40.0                     | 20.0  |
| C                 | 6.1                             | 4.3                                                | 8.3             | 10.0  | 6.9                | 8.3                      | 5.7                      | 4.5   |
| 3. NOT SURE       | 5                               | 3                                                  | 2               | 1     | 1                  | 3                        | 1                        | 2     |
| R                 | 100.0                           | 60.0                                               | 40.0            | 20.0  | 20.0               | 60.0                     | 20.0                     | 40.0  |
| C                 | 6.1                             | 6.5                                                | 5.6             | 3.3   | 4.3                | 10.3                     | 4.2                      | 9.1   |

BEHAVIOR RESEARCH CENTER, INC.

AZ GAME &amp; FISH DEPT.

Q.8X ON A TYPICAL FISHING TRIP TO LEE'S FERRY, WHAT WOULD YOU ESTIMATE IS THE TOTAL AMOUNT OF SPENDING BY ALL MEMBERS OF YOUR FISHING PARTY? (NET)

|                   | FISHED IN '93 AT<br>LEE'S FERRY | 1ST FISHED L.F. |       |               | ORGANZ'N MEMBER |       |                    |                   |                |       | NO. AZ<br>FLY<br>CASTERS |
|-------------------|---------------------------------|-----------------|-------|---------------|-----------------|-------|--------------------|-------------------|----------------|-------|--------------------------|
|                   |                                 | '90-'94<br>YES  |       | '85-'89<br>NO | BEFORE<br>'85   | NONE  | TROUT<br>UNLIMITED | AZ_FLY<br>CASTERS | FLY<br>CASTERS |       |                          |
|                   |                                 | R               | C     |               |                 |       |                    |                   |                |       |                          |
| Total Respondents | 204                             | 116             | 88    | 79            | 63              | 62    | 80                 | 69                | 53             | 15    | 17                       |
|                   | R 100.0                         | 56.9            | 43.1  | 38.7          | 38.9            | 30.4  | 39.2               | 33.8              | 26.0           | 7.4   | 8.3                      |
|                   | C 100.0                         | 100.0           | 100.0 | 100.0         | 100.0           | 100.0 | 100.0              | 100.0             | 100.0          | 100.0 | 100.0                    |
| 1. UNDER 100      | 18                              | 12              | 6     | 8             | 3               | 7     | 10                 | 3                 | 2              | 3     |                          |
|                   | R 100.0                         | 66.7            | 33.3  | 44.4          | 16.7            | 38.9  | 55.6               | 16.7              | 11.1           | 16.7  |                          |
|                   | C 8.8                           | 10.3            | 6.8   | 10.1          | 4.8             | 11.3  | 12.5               | 4.3               | 3.8            | 20.0  |                          |
| 2. 100-199        | 33                              | 18              | 15    | 11            | 8               | 14    | 13                 | 6                 | 11             | 6     | 3                        |
|                   | R 100.0                         | 54.5            | 45.5  | 33.3          | 24.2            | 42.4  | 39.4               | 18.2              | 33.3           | 18.2  | 9.1                      |
|                   | C 16.2                          | 15.5            | 17.0  | 13.9          | 12.7            | 22.6  | 16.3               | 8.7               | 20.8           | 40.0  | 17.6                     |
| 3. 200-299        | 34                              | 11              | 23    | 9             | 16              | 10    | 7                  | 17                | 18             | 3     | 3                        |
|                   | R 100.0                         | 32.4            | 67.6  | 23.5          | 47.1            | 29.4  | 20.6               | 50.0              | 29.4           | 8.8   | 8.8                      |
|                   | C 16.7                          | 9.5             | 26.1  | 10.1          | 25.4            | 16.1  | 8.8                | 24.6              | 18.9           | 29.0  | 17.6                     |
| 4. 300-399        | 20                              | 11              | 9     | 6             | 6               | 8     | 5                  | 10                | 5              | 1     | 1                        |
|                   | R 100.0                         | 55.0            | 45.0  | 30.0          | 30.0            | 40.0  | 25.0               | 50.0              | 25.0           | 5.0   | 5.0                      |
|                   | C 9.8                           | 9.5             | 10.2  | 7.6           | 9.5             | 12.9  | 6.3                | 14.5              | 9.4            | 6.7   | 5.9                      |
| 5. 400-499        | 22                              | 10              | 12    | 9             | 9               | 4     | 6                  | 7                 | 8              | 2     | 1                        |
|                   | R 100.0                         | 45.5            | 54.5  | 40.9          | 40.9            | 18.2  | 27.3               | 31.8              | 36.4           | 9.1   | 4.5                      |
|                   | C 10.8                          | 8.6             | 13.6  | 11.4          | 14.3            | 6.5   | 7.5                | 10.1              | 15.1           | 13.3  | 5.9                      |
| 6. 500-599        | 22                              | 13              | 9     | 10            | 7               | 5     | 12                 | 7                 | 4              |       | 4                        |
|                   | R 100.0                         | 59.1            | 40.9  | 45.5          | 31.8            | 22.7  | 54.5               | 31.8              | 18.2           |       | 18.2                     |
|                   | C 10.8                          | 11.2            | 10.2  | 12.7          | 11.1            | 8.1   | 15.0               | 10.1              | 7.5            |       | 23.5                     |
| 7. 600-699        | 33                              | 25              | 8     | 13            | 9               | 11    | 14                 | 13                | 8              |       | 4                        |
|                   | R 100.0                         | 75.8            | 24.2  | 33.4          | 27.3            | 33.3  | 42.4               | 39.4              | 24.2           |       | 12.1                     |
|                   | C 16.2                          | 21.6            | 9.1   | 16.5          | 14.3            | 17.7  | 17.5               | 18.8              | 15.1           |       | 23.5                     |
| 8. 1000+          | 21                              | 16              | 5     | 13            | 5               | 3     | 12                 | 6                 | 5              |       | 1                        |
|                   | R 100.0                         | 76.2            | 23.8  | 61.9          | 23.8            | 14.3  | 57.1               | 28.6              | 23.8           |       | 4.8                      |
|                   | C 10.3                          | 13.8            | 5.7   | 16.5          | 7.9             | 4.8   | 15.0               | 9.7               | 9.4            |       | 5.9                      |
| 9. N/A            | 1                               |                 | 1     | 1             |                 |       | 1                  |                   |                |       |                          |
|                   | R 100.0                         |                 | 100.0 | 100.0         |                 |       | 100.0              |                   |                |       |                          |
|                   | C 0.5                           |                 | 1.1   | 1.3           |                 |       | 1.3                |                   |                |       |                          |
|                   |                                 |                 | 1     |               |                 |       | 1                  |                   |                |       |                          |

BEHAVIOR RESEARCH CENTER, INC.

AZ GAME &amp; FISH DEPT.

## Q. 9 FINALLY, ARE YOU A MEMBER OF ANY TROUT FISHING ORGANIZATIONS?

|                                   | FISHED IN '93 AT<br>LEE'S FERRY | 1ST FISHED L.F. |         |               | ORGANZ'N MEMBER |                    |       | NO. AZ<br>FLY<br>CASTERS | AZ_FLY<br>CASTERS | OTHER |       |
|-----------------------------------|---------------------------------|-----------------|---------|---------------|-----------------|--------------------|-------|--------------------------|-------------------|-------|-------|
|                                   |                                 | '90-'94         | '85-'89 | BEFORE<br>'85 | NONE            | TROUT<br>UNLIMITED |       |                          |                   |       |       |
|                                   |                                 | YES             | NO      |               |                 |                    |       |                          |                   |       |       |
| Total Respondents                 | 204                             | 116             | 88      | 79            | 63              | 62                 | 80    | 69                       | 53                | 15    | 17    |
| R                                 | 100.0                           | 56.9            | 43.1    | 38.7          | 39.9            | 30.4               | 39.2  | 33.8                     | 26.0              | 7.4   | 8.3   |
| C                                 | 100.0                           | 100.0           | 100.0   | 100.0         | 100.0           | 100.0              | 100.0 | 100.0                    | 100.0             | 100.0 | 100.0 |
| 1. NO                             | 84                              | 62              | 18      | 44            | 23              | 13                 | 80    |                          |                   |       |       |
| R                                 | 100.0                           | 77.5            | 22.5    | 55.0          | 28.8            | 16.3               | 100.0 |                          |                   |       |       |
| C                                 | 39.2                            | 53.4            | 20.5    | 55.7          | 36.5            | 21.0               | 100.0 |                          |                   |       |       |
| 2. TROUT UNLIMITED                | 69                              | 33              | 36      | 22            | 24              | 23                 |       | 69                       | 11                | 5     | 12    |
| R                                 | 100.0                           | 47.6            | 52.2    | 31.9          | 34.8            | 33.3               |       | 100.0                    | 15.9              | 7.2   | 17.4  |
| C                                 | 33.8                            | 26.4            | 40.9    | 27.8          | 38.1            | 37.1               |       | 100.0                    | 20.8              | 33.3  | 70.6  |
| 3. AZ FLY CASTERS                 | 53                              | 17              | 36      | 15            | 17              | 21                 |       |                          | 53                |       | 9     |
| R                                 | 100.0                           | 32.1            | 67.9    | 28.3          | 32.1            | 39.6               |       | 20.8                     | 100.0             |       | 17.0  |
| C                                 | 26.0                            | 14.7            | 40.9    | 19.0          | 27.0            | 33.9               |       | 15.9                     | 100.0             |       | 52.9  |
| 4. NORTHERN AZ FLY<br>CASTERS     | 15                              | 11              | 4       | 1             | 6               | 8                  |       | 5                        |                   | 15    |       |
| R                                 | 100.0                           | 73.3            | 26.7    | 6.7           | 40.0            | 53.3               |       | 33.3                     |                   | 100.0 |       |
| C                                 | 7.4                             | 9.5             | 4.5     | 1.3           | 9.5             | 12.9               |       | 7.2                      |                   | 100.0 |       |
| 5. FEDERATION OF<br>FLY FISHERMAN | 7                               | 4               | 3       | 3             | 2               | 2                  |       | 7                        | 4                 |       | 7     |
| R                                 | 100.0                           | 57.1            | 42.9    | 42.9          | 28.6            | 28.6               |       | 100.0                    | 57.1              |       | 100.0 |
| C                                 | 3.4                             | 3.4             | 3.4     | 3.8           | 3.2             | 3.2                |       | 10.1                     | 7.5               |       | 41.2  |
| 6. FEDERATION OF<br>FLY CASTERS   | 5                               | 3               | 2       |               | 1               | 4                  |       | 1                        | 3                 |       | 5     |
| R                                 | 100.0                           | 60.0            | 40.0    |               | 20.0            | 80.0               |       | 20.0                     | 60.0              |       | 100.0 |
| C                                 | 2.5                             | 2.6             | 2.3     |               | 1.6             | 6.5                |       | 1.4                      | 5.7               |       | 29.4  |
| 7. NORTH AMERICAN<br>FISHING CLUB | 1                               |                 | 1       |               |                 | 1                  |       | 1                        |                   |       | 1     |
| R                                 | 100.0                           |                 | 100.0   |               |                 | 100.0              |       | 100.0                    |                   |       | 100.0 |
| C                                 | 0.5                             |                 | 1.1     |               |                 | 1.6                |       | 1.4                      |                   |       | 5.9   |
| 8. TUCSON FLY TIERS               | 1                               |                 | 1       |               |                 | 1                  |       | 1                        |                   |       | 1     |
| R                                 | 100.0                           |                 | 100.0   |               |                 | 100.0              |       | 100.0                    |                   |       | 100.0 |
| C                                 | 0.5                             |                 | 1.1     |               |                 | 1.6                |       | 1.4                      |                   |       | 5.9   |
| 9. DESERT FLY<br>CASTERS          | 4                               | 1               | 3       |               | 3               | 1                  |       | 2                        | 3                 |       | 4     |
| R                                 | 100.0                           | 25.0            | 75.0    |               | 75.0            | 25.0               |       | 50.0                     | 75.0              |       | 100.0 |
| C                                 | 2.0                             | 0.9             | 3.4     |               | 4.8             | 1.6                |       | 2.9                      | 5.7               |       | 23.5  |
| 10. PRIVATE CLUB                  | 1                               |                 | 1       | 1             |                 | 1                  |       | 1                        |                   |       | 1     |
| R                                 | 100.0                           |                 | 100.0   | 100.0         |                 | 1                  |       | 100.0                    |                   |       | 100.0 |
| C                                 | 0.5                             |                 | 1.1     | 1.3           |                 | 1                  |       | 1.4                      |                   |       | 5.9   |

BEHAVIOR RESEARCH CENTER, INC.

AZ GAME &amp; FISH DEPT.

## Q.9 FINALLY, ARE YOU A MEMBER OF ANY TROUT FISHING ORGANIZATIONS?

|                             | FISHED IN '93 AT<br>LEE'S FERRY | 1ST FISHED L.F.<br>'90-'94, '85-'89<br>YES | 1ST FISHED L.F.<br>'85<br>NO | ORGANZ'N MEMBER<br>TROUT<br>UNLIMITED | ORGANZ'N MEMBER<br>AZ_FLY<br>CASTERS | NO.AZ<br>FLY<br>CASTERS |
|-----------------------------|---------------------------------|--------------------------------------------|------------------------------|---------------------------------------|--------------------------------------|-------------------------|
| Total Respondents           | 204                             | 116                                        | 88                           | 79                                    | 63                                   | 62                      |
| R                           | 100.0                           | 56.9                                       | 43.1                         | 38.7                                  | 38.9                                 | 30.4                    |
| C                           | 100.0                           | 100.0                                      | 100.0                        | 100.0                                 | 100.0                                | 100.0                   |
| 11. DON'T KNOW /NOT<br>SURE | 2                               | 1                                          | 1                            | 1                                     | 1                                    | 1                       |
| R                           | 100.0                           | 50.0                                       | 50.0                         | 50.0                                  | 50.0                                 | 50.0                    |
| C                           | 1.0                             | 0.9                                        | 1.1                          | 1.3                                   | 1.6                                  | 1                       |

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|                     | CITY             |       |                 |         |        |       |                 |           |                |                   |       |  |
|---------------------|------------------|-------|-----------------|---------|--------|-------|-----------------|-----------|----------------|-------------------|-------|--|
|                     | FISHED IN '93 AT |       | 1ST FISHED L.F. |         |        |       | ORGANZ'N MEMBER |           |                |                   |       |  |
|                     | LEE'S            | FERRY | '90-'94         | '85-'89 | BEFORE | '85   | NONE            | UNLIMITED | AZ_FLY CASTERS | NO.AZ FLY CASTERS | OTHER |  |
| Total Respondents   | 180              | 96    | 84              | 62      | 60     | 58    | 61              | 64        | 53             | 15                | 15    |  |
| R                   | 100.0            | 53.3  | 46.7            | 34.4    | 33.3   | 32.2  | 33.9            | 35.6      | 29.4           | 8.3               | 8.3   |  |
| C                   | 100.0            | 100.0 | 100.0           | 100.0   | 100.0  | 100.0 | 100.0           | 100.0     | 100.0          | 100.0             | 100.0 |  |
| 5. AVONDALE         | 1                | 1     | 1               | 1       | 1      | 1     | 1               | 1         | 1              | 1                 | 1     |  |
| R                   | 100.0            | *     | 100.0           | *       | 100.0  | *     | *               | *         | 100.0          | *                 | *     |  |
| C                   | 0.6              |       | 1.2             |         | 1.7    |       |                 |           | 1.6            |                   | 1.6   |  |
| 8. APACHE JUNCTION  | 1                | 1     | 1               | 1       | 1      | 1     | 1               | 1         | 1              | 1                 | 1     |  |
| R                   | 100.0            | 100.0 | 100.0           | 100.0   | 100.0  | 100.0 | 100.0           | 100.0     | 100.0          | 100.0             | 100.0 |  |
| C                   | 0.6              | 1.0   | 1.0             | 1.0     | 1.0    | 1.0   | 1.0             | 1.0       | 1.0            | 1.0               | 1.0   |  |
| 10. CAMPFREE        | 1                | 1     | 1               | 1       | 1      | 1     | 1               | 1         | 1              | 1                 | 1     |  |
| R                   | 100.0            | 100.0 | 100.0           | 100.0   | 100.0  | 100.0 | 100.0           | 100.0     | 100.0          | 100.0             | 100.0 |  |
| C                   | 0.6              | 1.0   | 1.0             | 1.0     | 1.0    | 1.0   | 1.0             | 1.0       | 1.0            | 1.0               | 1.0   |  |
| 12. CAVE CREEK      | 2                | 1     | 1               | 1       | 1      | 1     | 1               | 1         | 1              | 2                 | 2     |  |
| R                   | 100.0            | 50.0  | 50.0            | 50.0    | 50.0   | 50.0  | 50.0            | 50.0      | 50.0           | 100.0             | 100.0 |  |
| C                   | 1.1              | 1.0   | 1.2             | 1.2     | 1.7    | 1.7   | 1.7             | 1.7       | 1.7            | 3.8               | 3.8   |  |
| 13. CHANDLER        | 3                | 2     | 1               | 3       | 1      | 1     | 1               | 1         | 1              | 2                 | 1     |  |
| R                   | 100.0            | 66.7  | 33.3            | 100.0   | 100.0  | 100.0 | 100.0           | 100.0     | 100.0          | 66.7              | 33.3  |  |
| C                   | 1.7              | 2.1   | 1.2             | 4.8     | 1.2    | 1.2   | 1.2             | 1.2       | 1.2            | 3.8               | 3.8   |  |
| 21. GILBERT         | 1                | 1     | 1               | 1       | 1      | 1     | 1               | 1         | 1              | 1                 | 1     |  |
| R                   | 100.0            | *     | 100.0           | *       | 100.0  | *     | *               | *         | 100.0          | *                 | 100.0 |  |
| C                   | 0.6              |       | 1.2             |         | 1.7    |       |                 |           | 1.9            |                   | 1.9   |  |
| 22. GLENDALE        | 4                | 1     | 3               | 2       | 2      | 1     | 2               | 1         | 1              | 1                 | 1     |  |
| R                   | 100.0            | 25.0  | 75.0            | 50.0    | 50.0   | 50.0  | 50.0            | 50.0      | 50.0           | 25.0              | 25.0  |  |
| C                   | 2.2              | 1.0   | 3.6             | 3.2     | 3.3    | 3.3   | 3.3             | 3.3       | 1.6            | 1.9               | 1.9   |  |
| 32. LITCHFIELD PARK | 1                | 1     | 1               | 1       | 1      | 1     | 1               | 1         | 1              | 1                 | 1     |  |
| R                   | 100.0            | 100.0 | 100.0           | 100.0   | 100.0  | 100.0 | 100.0           | 100.0     | 100.0          | 100.0             | 100.0 |  |
| C                   | 0.6              | 1.0   | 1.0             | 1.6     | 1.6    | 1.6   | 1.6             | 1.6       | 1.6            | 1.9               | 1.9   |  |
| 35. MESA            | 10               | 4     | 6               | 3       | 5      | 2     | 6               | 3         | 3              | 2                 | 2     |  |
| R                   | 100.0            | 40.0  | 60.0            | 30.0    | 50.0   | 20.0  | 60.0            | 30.0      | 30.0           | 20.0              | 20.0  |  |
| C                   | 5.6              | 4.2   | 7.1             | 4.8     | 8.3    | 3.4   | 9.8             | 4.7       | 4.7            | 3.8               | 3.8   |  |
| 43. PARADISE VALLEY | 2                | 2     | 1               | 1       | 1      | 1     | 1               | 1         | 1              | 1                 | 1     |  |
| R                   | 100.0            | 100.0 | 100.0           | 50.0    | 50.0   | 1     | 50.0            | 50.0      | 50.0           | 50.0              | 50.0  |  |
| C                   | 1.1              | 2.1   | 1               | 1.6     | 1.7    | 1     | 1.6             | 1.6       | 1.6            | 1.6               | 1.6   |  |

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AZ GAME &amp; FISH DEPT.

## CITY

|                   | FISHED IN '93 AT<br>LEE'S FERRY | 1ST FISHED L.F. |       |         |            | ORGANZ'N MEMBER |       |                   |       | NO AZ<br>FLY<br>CASTERS | FLY<br>CASTERS | OTHER |
|-------------------|---------------------------------|-----------------|-------|---------|------------|-----------------|-------|-------------------|-------|-------------------------|----------------|-------|
|                   |                                 | '90-'94         |       | '85-'89 | BEFORE '85 | NONE            | TROUT | AZ_FLY<br>CASTERS |       |                         |                |       |
|                   |                                 | YES             | NO    |         |            | UNLIMITED       |       |                   |       |                         |                |       |
| Total Respondents | 100                             | 96              | 84    | 62      | 60         | 58              | 61    | 64                | 53    | 15                      | 15             |       |
| R                 | 100.0                           | 53.3            | 46.7  | 34.4    | 33.3       | 32.2            | 33.9  | 35.6              | 29.4  | 8.3                     | 8.3            |       |
| C                 | 100.0                           | 100.0           | 100.0 | 100.0   | 100.0      | 100.0           | 100.0 | 100.0             | 100.0 | 100.0                   | 100.0          | 100.0 |
| 44. PEORIA        | 3                               | 1               | 2     | 2       |            | 1               | 1     | 1                 | 1     | 1                       | 1              |       |
| R                 | 100.0                           | 33.3            | 66.7  | 66.7    |            | 33.3            | 33.3  | 33.3              | 33.3  | 33.3                    | 33.3           |       |
| C                 | 1.7                             | 1.0             | 2.4   | 3.2     |            | 1.7             | 1.6   | 1.6               | 1.6   | 1.9                     |                |       |
| 45. PHOENIX       | 53                              | 23              | 30    | 20      | 17         | 16              | 12    | 14                | 31    |                         | 4              |       |
| R                 | 100.0                           | 43.4            | 56.6  | 37.7    | 32.1       | 30.2            | 22.6  | 26.4              | 58.5  |                         | 7.5            |       |
| C                 | 29.4                            | 24.0            | 35.7  | 32.3    | 29.3       | 27.6            | 19.7  | 21.9              | 58.5  |                         | 26.7           |       |
| 50. SCOTTSDALE    | 16                              | 9               | 7     | 4       | 7          | 5               | 3     | 7                 | 9     |                         | 3              |       |
| R                 | 100.0                           | 56.3            | 43.8  | 25.0    | 43.8       | 31.3            | 18.8  | 43.8              | 56.3  |                         | 18.6           |       |
| C                 | 8.9                             | 9.4             | 8.3   | 6.5     | 11.7       | 8.6             | 4.9   | 10.9              | 17.0  |                         | 20.0           |       |
| 52. SUN CITY      | 2                               |                 | 2     |         | 2          |                 |       | 2                 | 1     |                         |                |       |
| R                 | 100.0                           |                 | 100.0 |         | 100.0      |                 |       | 100.0             | 50.0  |                         |                |       |
| C                 | 1.1                             |                 | 2.4   |         | 3.3        |                 |       | 3.1               | 1.9   |                         |                |       |
| 53. SUN CITY WEST | 2                               | 1               | 1     | 1       |            | 1               |       | 1                 | 1     |                         | 1              |       |
| R                 | 100.0                           | 50.0            | 50.0  | 50.0    |            | 50.0            |       | 50.0              | 50.0  |                         |                |       |
| C                 | 1.1                             | 1.0             | 1.2   | 1.6     |            | 1.7             |       | 1.6               | 1.9   |                         |                |       |
| 54. SUN LAKES     | 1                               | 1               | 1     |         |            | 1               |       |                   |       |                         | 1              |       |
| R                 | 100.0                           | 100.0           |       |         |            | 100.0           |       |                   |       |                         | 100.0          |       |
| C                 | 0.6                             | 1.0             |       |         |            | 1.7             |       |                   |       |                         | 6.7            |       |
| 69. TEMPE         | 7                               | 4               | 3     | 4       |            | 3               | 2     | 4                 | 1     |                         | 1              |       |
| R                 | 100.0                           | 57.1            | 42.9  | 57.1    |            | 42.9            | 28.6  | 57.1              | 14.3  |                         | 14.3           |       |
| C                 | 3.9                             | 4.2             | 3.6   | 6.5     |            | 5.2             | 3.3   | 6.3               | 1.9   |                         | 6.7            |       |
| 61. TOLLESON      | 1                               |                 | 1     |         | 1          |                 |       | 1                 |       |                         |                |       |
| R                 | 100.0                           |                 | 100.0 |         | 100.0      |                 | 100.0 |                   |       |                         |                |       |
| C                 | 0.6                             |                 | 1.2   |         | 1.7        |                 | 1.6   |                   |       |                         |                |       |
| 115. GREEN VALLEY | 2                               | 1               | 1     |         | 2          |                 |       | 2                 |       |                         |                |       |
| R                 | 100.0                           | 50.0            | 50.0  |         | 100.0      |                 |       | 100.0             |       |                         |                |       |
| C                 | 1.1                             | 1.0             | 1.2   |         | 3.3        |                 |       | 3.1               |       |                         |                |       |
| 162. TUCSON       | 17                              | 8               | 9     | 7       | 5          | 5               | 7     | 10                |       |                         | 1              |       |
| R                 | 100.0                           | 47.1            | 52.9  | 41.2    | 29.4       | 29.4            | 41.2  | 58.8              |       |                         | 5.9            |       |
| C                 | 9.4                             | 8.3             | 10.7  | 11.3    | 8.3        | 8.6             | 11.5  | 15.6              |       |                         | 6.7            |       |
|                   |                                 |                 | 1     |         |            | 1               |       |                   |       |                         |                |       |

BEHAVIOR RESEARCH CENTER, INC.

AZ GAME &amp; FISH DEPT.

## CITY

|                              |   | FISHED IN '93 AT | 1ST FISHED L.F. |       |         |         | ORGANZ'N MEMBER | NO. AZ | TROUT | AZ_FLY | FLY   | OTHER |
|------------------------------|---|------------------|-----------------|-------|---------|---------|-----------------|--------|-------|--------|-------|-------|
|                              |   |                  | LEE'S           | FERRY | '90-'94 | '85-'89 |                 |        |       |        |       |       |
|                              |   |                  | YES             | NO    | BEFORE  | NONE    |                 |        |       |        |       |       |
| Total Respondents            |   | 180              | 96              | 84    | 62      | 60      | 58              | 61     | 64    | 53     | 15    | 15    |
|                              | R | 100.0            | 53.3            | 46.7  | 34.4    | 33.3    | 32.2            | 33.9   | 35.6  | 29.4   | 8.3   | 8.3   |
|                              | C | 100.0            | 100.0           | 100.0 | 100.0   | 100.0   | 100.0           | 100.0  | 100.0 | 100.0  | 100.0 | 100.0 |
| 293. SIERRA VISTA            |   | 1                | 1               | 1     | 1       | 1       | 1               | 1      | 1     | 1      | 1     | 1     |
|                              | R | 100.0            | 100.0           | 100.0 | 100.0   | 100.0   | 100.0           | 100.0  | 100.0 | 100.0  | 100.0 | 100.0 |
|                              | C | 0.6              | 1.0             | 1.0   | 1.0     | 1.0     | 1.0             | 1.0    | 1.0   | 1.0    | 1.0   | 6.7   |
| 315. FLAGSTAFF               |   | 25               | 18              | 7     | 5       | 5       | 14              | 8      | 8     | 13     | 1     | 1     |
|                              | R | 100.0            | 72.0            | 28.0  | 20.0    | 24.0    | 56.0            | 32.0   | 32.0  | 52.0   | 4.0   | 4.0   |
|                              | C | 13.9             | 18.8            | 8.3   | 8.1     | 10.0    | 24.1            | 13.1   | 12.5  | 86.7   | 6.7   | 6.7   |
| 320. GRAND CANYON<br>VILLAGE |   | 1                | 1               | 1     | 1       | 1       | 1               | 1      | 1     | 1      | 1     | 1     |
|                              | R | 100.0            | 100.0           | 100.0 | 100.0   | 100.0   | 100.0           | 100.0  | 100.0 | 100.0  | 100.0 | 100.0 |
|                              | C | 0.6              | 1.0             | 1.0   | 1.0     | 1.0     | 1.0             | 1.0    | 1.0   | 1.0    | 1.0   | 6.7   |
| 345. MARBLE CANYON           |   | 2                | 1               | 1     | 1       | 1       | 1               | 2      | 2     | 2      | 2     | 2     |
|                              | R | 100.0            | 50.0            | 50.0  | 50.0    | 50.0    | 50.0            | 100.0  | 100.0 | 100.0  | 100.0 | 100.0 |
|                              | C | 1.1              | 1.0             | 1.2   | 1.6     | 1.6     | 1.7             | 3.3    | 3.3   | 3.3    | 3.3   | 3.3   |
| 355. PAGE                    |   | 2                | 1               | 1     | 1       | 1       | 1               | 2      | 2     | 2      | 2     | 2     |
|                              | R | 100.0            | 50.0            | 50.0  | 50.0    | 50.0    | 50.0            | 100.0  | 100.0 | 100.0  | 100.0 | 100.0 |
|                              | C | 1.1              | 1.0             | 1.2   | 1.6     | 1.6     | 1.7             | 3.3    | 3.3   | 3.3    | 3.3   | 3.3   |
| 365. SEDONA                  |   | 5                | 4               | 1     | 2       | 2       | 1               | 3      | 1     | 1      | 1     | 1     |
|                              | R | 100.0            | 80.0            | 20.0  | 40.0    | 40.0    | 20.0            | 60.0   | 20.0  | 20.0   | 20.0  | 20.0  |
|                              | C | 2.8              | 4.2             | 1.2   | 3.2     | 3.3     | 1.7             | 4.9    | 1.6   | 1.6    | 1.6   | 6.7   |
| 371. TUBA CITY               |   | 1                | 1               | 1     | 1       | 1       | 1               | 1      | 1     | 1      | 1     | 1     |
|                              | R | 100.0            | 100.0           | 100.0 | 100.0   | 100.0   | 100.0           | 100.0  | 100.0 | 100.0  | 100.0 | 100.0 |
|                              | C | 0.6              | 1.0             | 1.0   | 1.0     | 1.0     | 1.0             | 1.0    | 1.0   | 1.0    | 1.0   | 6.7   |
| 485. SAFFORD                 |   | 1                | 1               | 1     | 1       | 1       | 1               | 1      | 1     | 1      | 1     | 1     |
|                              | R | 100.0            | 100.0           | 100.0 | 100.0   | 100.0   | 100.0           | 100.0  | 100.0 | 100.0  | 100.0 | 100.0 |
|                              | C | 0.6              | 1.2             | 1.2   | 1.2     | 1.2     | 1.7             | 1.7    | 1.6   | 1.6    | 1.6   | 6.7   |
| 604. COLORADO CITY           |   | 1                | 1               | 1     | 1       | 1       | 1               | 1      | 1     | 1      | 1     | 1     |
|                              | R | 100.0            | 100.0           | 100.0 | 100.0   | 100.0   | 100.0           | 100.0  | 100.0 | 100.0  | 100.0 | 100.0 |
|                              | C | 0.6              | 1.0             | 1.0   | 1.0     | 1.0     | 1.7             | 1.6    | 1.6   | 1.6    | 1.6   | 6.7   |
| 690. TAYLOR                  |   | 1                | 1               | 1     | 1       | 1       | 1               | 1      | 1     | 1      | 1     | 1     |
|                              | R | 100.0            | 100.0           | 100.0 | 100.0   | 100.0   | 100.0           | 100.0  | 100.0 | 100.0  | 100.0 | 100.0 |
|                              | C | 0.6              | 1.0             | 1.0   | 1.0     | 1.0     | 1.7             | 1.6    | 1.6   | 1.6    | 1.6   | 6.7   |

BEHAVIOR RESEARCH CENTER, INC.

AZ GAME &amp; FISH DEPT.

|                   | CITY             |       |                 |         |        |                 |           |         |       |         |         |       |
|-------------------|------------------|-------|-----------------|---------|--------|-----------------|-----------|---------|-------|---------|---------|-------|
|                   | FISHED IN '93 AT |       | 1ST FISHED L.F. |         |        | ORGANZ'N MEMBER |           |         |       |         |         |       |
|                   | LEE'S            | FERRY | '90-'94         | '85-'89 | BEFORE | NONE            | TROUT     | AZ_FLY  | NO AZ | FLY     | CASTERS | OTHER |
|                   | YES              | NO    |                 |         | '85    |                 | UNLIMITED | CASTERS |       | CASTERS |         |       |
| Total Respondents | 100              | 96    | 84              | 62      | 60     | 58              | 61        | 64      | 53    | 15      | 15      |       |
| R                 | 100.0            | 53.3  | 46.7            | 34.4    | 33.3   | 32.2            | 33.9      | 35.6    | 29.4  | 8.3     | 8.3     |       |
| C                 | 100.0            | 100.0 | 100.0           | 100.0   | 100.0  | 100.0           | 100.0     | 100.0   | 100.0 | 100.0   | 100.0   |       |
| 775. NOGALES      | 1                | 1     | 1               |         |        | 1               | 1         |         |       |         |         |       |
| R                 | 100.0            | 100.0 |                 |         |        | 100.0           | 100.0     |         |       |         |         |       |
| C                 | 0.6              | 1.0   |                 |         |        | 1.7             | 1.6       |         |       |         |         |       |
| 785. SONOITA      | 1                |       | 1               | 1       |        |                 |           |         |       |         |         |       |
| R                 | 100.0            |       | 100.0           | 100.0   |        |                 |           | 100.0   |       |         |         |       |
| C                 | 0.6              |       | 1.2             | 1.6     |        |                 |           | 1.6     |       |         |         |       |
| 810. CAMP VERDE   | 3                | 2     | 1               | 1       | 1      | 1               | 1         | 1       | 1     |         |         | 1     |
| R                 | 100.0            | 66.7  | 33.3            | 33.3    | 33.3   | 33.3            | 33.3      | 33.3    | 33.3  |         |         | 33.3  |
| C                 | 1.7              | 2.1   | 1.2             | 1.6     | 1.7    | 1.7             | 1.6       | 1.6     | 1.6   |         |         | 6.7   |
| 812. CHINO VALLEY | 1                | 1     |                 |         | 1      |                 |           |         |       |         |         |       |
| R                 | 100.0            | 100.0 |                 |         | 100.0  |                 |           | 100.0   |       |         |         |       |
| C                 | 0.6              | 1.0   |                 |         | 1.7    |                 |           | 1.6     |       |         |         |       |
| 817. COTTONWOOD   | 1                | 1     |                 |         |        | 1               | 1         |         |       |         |         |       |
| R                 | 100.0            | 100.0 |                 |         |        | 100.0           | 100.0     |         |       |         |         |       |
| C                 | 0.6              | 1.0   |                 |         |        | 1.7             | 1.6       |         |       |         |         |       |
| 843. PRESCOTT     | 2                | 1     | 1               | 1       | 1      | 1               | 1         | 1       | 1     |         |         |       |
| R                 | 100.0            | 50.0  | 50.0            | 50.0    | 50.0   | 50.0            | 50.0      | 50.0    | 50.0  |         |         |       |
| C                 | 1.1              | 1.0   | 1.2             | 1.6     | 1.7    |                 | 1.6       | 1.6     | 1.6   |         |         |       |
| 933. YUMA         | 1                |       | 1               |         |        | 1               | 1         |         | 1     |         |         |       |
| R                 | 100.0            |       | 100.0           |         |        | 100.0           |           |         | 100.0 |         |         |       |
| C                 | 0.6              |       | 1.2             |         |        | 1.7             |           |         | 1.6   |         |         |       |
|                   |                  |       |                 |         |        |                 | 1         |         |       |         |         |       |

BEHAVIOR RESEARCH CENTER, INC.

AZ GAME &amp; FISH DEPT.

## STATE

|                   |    | FISHED IN '93 AT<br>LEE'S FERRY | 1ST FISHED L.F. |         |               |           | ORGANZ'N MEMBER   | NO. AZ<br>FLY<br>CASTERS |       |
|-------------------|----|---------------------------------|-----------------|---------|---------------|-----------|-------------------|--------------------------|-------|
|                   |    |                                 | '93-'94         | '85-'89 | BEFORE<br>'85 | NONE      |                   |                          |       |
|                   |    |                                 | YES             | NO      |               | UNLIMITED | AZ_FLY<br>CASTERS |                          |       |
| Total Respondents | 24 | 20                              | 4               | 17      | 3             | 4         | 19                | 5                        | 2     |
|                   | R  | 100.0                           | 83.3            | 16.7    | 78.8          | 12.5      | 16.7              | 79.2                     | 20.8  |
|                   | C  | 100.0                           | 100.0           | 100.0   | 100.0         | 100.0     | 100.0             | 100.0                    | 100.0 |
| 5. CALIFORNIA     | 3  | 2                               | 1               | 2       |               |           | 1                 | 3                        |       |
|                   | R  | 100.0                           | 66.7            | 33.3    | 66.7          |           | 33.3              | 100.0                    |       |
|                   | C  | 12.5                            | 10.0            | 25.0    | 11.8          |           | 25.0              | 15.8                     |       |
| 6. COLORADO       | 4  | 2                               | 2               | 3       |               |           | 1                 | 3                        | 1     |
|                   | R  | 100.0                           | 50.0            | 50.0    | 75.0          |           | 25.0              | 75.0                     | 25.0  |
|                   | C  | 16.7                            | 10.0            | 50.0    | 17.6          |           | 25.0              | 15.8                     | 20.0  |
| 10. FLORIDA       | 1  |                                 | 1               |         |               |           | 1                 |                          |       |
|                   | R  | 100.0                           | 100.0           |         | 100.0         |           |                   | 100.0                    |       |
|                   | C  | 4.2                             | 5.0             |         | 5.9           |           |                   | 5.3                      |       |
| 29. NEVADA        | 2  | 2                               | 1               | 2       |               |           | 1                 | 1                        |       |
|                   | R  | 100.0                           | 100.0           |         | 100.0         |           |                   | 50.0                     | 50.0  |
|                   | C  | 8.3                             | 10.0            |         | 11.8          |           |                   | 5.3                      | 20.0  |
| 32. NEW MEXICO    | 1  | 1                               | 1               | 1       |               |           | 1                 |                          |       |
|                   | R  | 100.0                           | 100.0           |         | 100.0         |           |                   | 100.0                    |       |
|                   | C  | 4.2                             | 5.0             |         | 5.9           |           |                   | 5.3                      |       |
| 37. OKLAHOMA      | 1  |                                 | 1               | 1       |               |           | 1                 |                          | 1     |
|                   | R  | 100.0                           |                 | 100.0   | 100.0         |           |                   | 100.0                    | 100.0 |
|                   | C  | 4.2                             |                 | 25.0    | 5.9           |           |                   | 25.0                     | 50.0  |
| 44. TEXAS         | 1  | 1                               | 1               |         | 1             |           | 1                 |                          |       |
|                   | R  | 100.0                           | 100.0           |         | 100.0         |           |                   | 100.0                    |       |
|                   | C  | 4.2                             | 5.0             |         | 33.3          |           |                   | 5.3                      |       |
| 45. UTAH          | 9  | 9                               | 1               | 5       | 2             | 2         | 8                 | 1                        |       |
|                   | R  | 100.0                           | 100.0           |         | 55.6          | 22.2      | 22.2              | 88.9                     | 11.1  |
|                   | C  | 37.5                            | 45.0            |         | 29.4          | 66.7      | 50.0              | 42.1                     | 20.0  |
| 48. WASHINGTON    | 1  | 1                               | 1               | 1       |               |           | 1                 |                          |       |
|                   | R  | 100.0                           | 100.0           |         | 100.0         |           |                   | 100.0                    |       |
|                   | C  | 4.2                             | 5.0             |         | 5.9           |           |                   | 5.3                      |       |
| 50. WISCONSIN     | 1  | 1                               | 1               | 1       |               |           | 1                 |                          | 1     |
|                   | R  | 100.0                           | 100.0           |         | 100.0         |           |                   | 100.0                    | 100.0 |
|                   | C  | 4.2                             | 5.0             |         | 5.9           |           |                   | 25.0                     | 50.0  |

BEHAVIOR RESEARCH CENTER, INC.

AZ GAME &amp; FISH DEPT.

## GENDER

|                   | FISHED IN '93 AT<br>LEE'S FERRY | 1ST FISHED L.F.<br>'90-'94<br>'85-'89<br>YES<br>NO | ORGANZ'N MEMBER |               |       | NO. AZ<br>FLY<br>CASTERS | AZ_FLY<br>CASTERS | NO. AZ<br>FLY<br>CASTERS |
|-------------------|---------------------------------|----------------------------------------------------|-----------------|---------------|-------|--------------------------|-------------------|--------------------------|
|                   |                                 |                                                    | '85-'89         | BEFORE<br>'85 | NONE  |                          |                   |                          |
|                   |                                 |                                                    | TROUT           | UNLIMITED     |       |                          |                   |                          |
| Total Respondents | 204                             | 116                                                | 88              | 79            | 63    | 62                       | 80                | 69                       |
| R                 | 100.0                           | 56.9                                               | 43.1            | 38.7          | 38.9  | 38.4                     | 39.2              | 33.8                     |
| C                 | 100.0                           | 100.0                                              | 100.0           | 100.0         | 100.0 | 100.0                    | 100.0             | 100.0                    |
| 1. MALE           | 188                             | 106                                                | 82              | 70            | 53    | 59                       | 71                | 64                       |
| R                 | 100.0                           | 56.4                                               | 43.6            | 37.2          | 31.4  | 31.4                     | 37.8              | 34.0                     |
| C                 | 92.2                            | 91.4                                               | 93.2            | 88.6          | 93.7  | 95.2                     | 89.8              | 92.8                     |
| 2. FEMALE         | 16                              | 10                                                 | 6               | 9             | 4     | 3                        | 9                 | 5                        |
| R                 | 100.0                           | 62.5                                               | 37.5            | 56.3          | 25.0  | 18.8                     | 56.3              | 31.3                     |
| C                 | 7.8                             | 8.6                                                | 6.8             | 11.4          | 6.3   | 4.8                      | 11.3              | 7.2                      |

BEHAVIOR RESEARCH CENTER, INC.

AZ GAME & FISH DEPT.

**SAMPLE SOURCE**

|                                      | FISHED IN '93 AT |       | 1ST FISHED L.F. |       |         | ORGANZ'N MEMBER |        |           |       | NO. AZ<br>FLY<br>CASTERS | OTHER |
|--------------------------------------|------------------|-------|-----------------|-------|---------|-----------------|--------|-----------|-------|--------------------------|-------|
|                                      | LEE'S FERRY      |       | '90-'94         |       | 185-'89 |                 | BEFORE | NONE      | TROUT | AZ FLY<br>CASTERS        |       |
|                                      | YES              | NO    |                 |       |         |                 | '85    | UNLIMITED |       |                          |       |
| Total Respondents                    | 204              | 116   | 88              | 79    | 63      | 62              | 80     | 69        | 53    | 15                       | 17    |
| R                                    | 100.0            | 56.9  | 43.1            | 38.7  | 38.9    | 38.4            | 39.2   | 33.8      | 26.0  | 7.4                      | 8.3   |
| C                                    | 100.0            | 100.0 | 100.0           | 100.0 | 100.0   | 100.0           | 100.0  | 100.0     | 100.0 | 100.0                    | 100.0 |
| 1. LICENSED DEALER LIST              | 93               | 73    | 20              | 56    | 24      | 13              | 72     | 12        | 9     |                          | 2     |
| R                                    | 100.0            | 78.5  | 21.5            | 60.2  | 25.8    | 14.0            | 77.4   | 12.9      | 9.7   |                          | 2.2   |
| C                                    | 45.6             | 62.9  | 22.7            | 70.9  | 38.1    | 21.0            | 99.0   | 17.4      | 17.0  |                          | 11.9  |
| 2. ANGLER SURVEY LIST                | 8                | 3     | 5               | 1     | 4       | 3               | 5      | 2         |       |                          |       |
| R                                    | 100.0            | 37.5  | 62.5            | 12.5  | 50.0    | 37.5            | 62.5   | 25.0      |       |                          |       |
| C                                    | 3.9              | 2.6   | 5.7             | 1.3   | 6.3     | 4.8             | 6.3    | 2.9       |       |                          |       |
| 3. NORTHERN AZ FLY CASTERS CLUB LIST | 13               | 10    | 3               | 1     | 6       | 6               |        | 3         |       | 13                       |       |
| R                                    | 100.0            | 76.9  | 23.1            | 7.7   | 46.2    | 46.2            |        | 23.1      |       | 100.0                    |       |
| C                                    | 6.4              | 8.6   | 3.4             | 1.3   | 9.5     | 9.7             |        | 4.3       |       | 86.7                     |       |
| 4. TROUT UNLIMITED LIST              | 49               | 16    | 33              | 12    | 18      | 19              | 3      | 44        | 4     | 2                        | 9     |
| R                                    | 100.0            | 32.7  | 67.3            | 24.5  | 36.7    | 38.8            | 6.1    | 89.8      | 8.2   | 4.1                      | 18.4  |
| C                                    | 24.0             | 13.8  | 37.5            | 15.2  | 28.6    | 30.6            | 3.8    | 63.8      | 7.5   | 13.3                     | 52.9  |
| 5. AZ FLY CASTERS LIST               | 41               | 14    | 27              | 9     | 11      | 21              |        | 8         | 40    |                          | 6     |
| R                                    | 100.0            | 34.1  | 65.9            | 22.0  | 26.8    | 51.2            |        | 19.5      | 97.6  |                          | 14.6  |
| C                                    | 20.1             | 12.1  | 30.7            | 11.4  | 17.5    | 33.9            |        | 11.6      | 75.5  |                          | 35.3  |

5/9/94

## LEE'S FERRY FISHING SURVEY MAY 1994 (JOB #94110)

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BEHAVIOR RESEARCH CENTER, INC.

AZ GAME &amp; FISH DEPT.

## CO. COUNTY

|                   | FISHED IN '93 AT<br>LEE'S FERRY | 1ST FISHED L.F. |         |               | ORGANZ'N MEMBER | NO. AZ<br>FLY<br>CASTERS | NO. AZ<br>FLY<br>CASTERS | NO. AZ<br>OTHER |
|-------------------|---------------------------------|-----------------|---------|---------------|-----------------|--------------------------|--------------------------|-----------------|
|                   |                                 | '90-'94         | '85-'89 | BEFORE<br>'85 |                 |                          |                          |                 |
|                   |                                 | YES             | NO      |               |                 |                          |                          |                 |
| Total Respondents | 204                             | 116             | 88      | 79            | 63              | 62                       | 80                       | 69              |
| R                 | 100.0                           | 56.9            | 43.1    | 38.7          | 30.9            | 30.4                     | 39.2                     | 33.8            |
| C                 | 100.0                           | 100.0           | 100.0   | 100.0         | 100.0           | 100.0                    | 100.0                    | 100.0           |
| 1. MARICOPA       | 111                             | 52              | 59      | 41            | 38              | 32                       | 29                       | 38              |
| R                 | 100.0                           | 46.8            | 53.2    | 36.9          | 34.2            | 28.8                     | 26.1                     | 34.2            |
| C                 | 54.4                            | 44.8            | 57.0    | 51.9          | 60.3            | 51.6                     | 35.3                     | 55.1            |
| 2. PIMA           | 19                              | 9               | 10      | 7             | 7               | 5                        | 7                        | 12              |
| R                 | 100.0                           | 47.4            | 52.6    | 36.8          | 36.8            | 26.3                     | 36.8                     | 63.2            |
| C                 | 9.3                             | 7.8             | 11.4    | 8.9           | 11.1            | 8.1                      | 8.8                      | 17.4            |
| 3. COCHISE        | 1                               | 1               | 1       | 1             | 1               | 1                        | 1                        | 1               |
| R                 | 100.0                           | 100.0           | 100.0   | 100.0         | 100.0           | 100.0                    | 100.0                    | 100.0           |
| C                 | 0.5                             | 0.9             | 1       | 1.6           | 1               | 1                        | 1.4                      | 5.9             |
| 4. COCONINO       | 36                              | 26              | 10      | 11            | 9               | 16                       | 17                       | 9               |
| R                 | 100.0                           | 72.2            | 27.8    | 30.6          | 25.0            | 44.4                     | 47.2                     | 25.0            |
| C                 | 17.6                            | 22.4            | 11.4    | 13.9          | 14.3            | 25.8                     | 21.3                     | 13.0            |
| 5. GRAHAM         | 1                               | 1               | 1       | 1             | 1               | 1                        | 1                        | 1               |
| R                 | 100.0                           | 100.0           | 100.0   | 100.0         | 100.0           | 100.0                    | 100.0                    | 100.0           |
| C                 | 0.5                             | 1.1             | 1       | 1.6           | 1               | 1.6                      | 1                        | 5.9             |
| 6. MOHAVE         | 1                               | 1               | 1       | 1             | 1               | 1                        | 1                        | 1               |
| R                 | 100.0                           | 100.0           | 100.0   | 100.0         | 100.0           | 100.0                    | 100.0                    | 100.0           |
| C                 | 0.5                             | 0.9             | 1       | 1.6           | 1               | 1.3                      | 1                        | 1.3             |
| 7. NAVAJO         | 1                               | 1               | 1       | 1             | 1               | 1                        | 1                        | 1               |
| R                 | 100.0                           | 100.0           | 100.0   | 100.0         | 100.0           | 100.0                    | 100.0                    | 100.0           |
| C                 | 0.5                             | 0.9             | 1       | 1.6           | 1               | 1.3                      | 1                        | 1.3             |
| 8. SANTA CRUZ     | 2                               | 1               | 1       | 1             | 1               | 1                        | 2                        | 1               |
| R                 | 100.0                           | 50.0            | 50.0    | 50.0          | 50.0            | 50.0                     | 100.0                    | 100.0           |
| C                 | 1.0                             | 0.9             | 1.1     | 1.3           | 1               | 1.6                      | 2.5                      | 1               |
| 9. YAVAPAI        | 7                               | 5               | 2       | 2             | 3               | 2                        | 4                        | 2               |
| R                 | 100.0                           | 71.4            | 28.6    | 28.6          | 42.9            | 28.6                     | 57.1                     | 28.6            |
| C                 | 3.4                             | 4.3             | 2.3     | 2.5           | 4.8             | 3.2                      | 5.0                      | 14.3            |
| 10. YUMA          | 1                               | 1               | 1       | 1             | 1               | 1                        | 1                        | 6.7             |
| R                 | 100.0                           | 100.0           | 100.0   | 100.0         | 100.0           | 100.0                    | 100.0                    | 100.0           |
| C                 | 0.5                             | 1.1             | 1       | 1.6           | 1               | 1.6                      | 1                        | 6.7             |

BEHAVIOR RESEARCH CENTER, INC.

AZ GAME & FISH DEPT.

CD. COUNTY

|                         | FISHED IN '93 AT |       | 1ST FISHED L.F. |         |           |       | ORGANZ'N MEMBER |                   |       |       | NO. AZ<br>FLY<br>CASTERS | OTHER |
|-------------------------|------------------|-------|-----------------|---------|-----------|-------|-----------------|-------------------|-------|-------|--------------------------|-------|
|                         | LEE'S            | FERRY | '90-'94         | '85-'89 | BEFORE    | NONE  | TROUT           | AZ FLY<br>CASTERS |       |       |                          |       |
|                         | YES              | NO    | '85             |         | UNLIMITED |       | CASTERS         |                   |       |       |                          |       |
| Total Respondents       | 204              | 116   | 88              | 79      | 63        | 62    | 80              | 69                | 53    | 15    | 17                       |       |
| R                       | 100.0            | 56.9  | 43.1            | 39.7    | 38.9      | 38.4  | 39.2            | 33.8              | 26.0  | 7.4   | 8.3                      |       |
| C                       | 100.0            | 100.0 | 100.0           | 100.0   | 100.0     | 100.0 | 100.0           | 100.0             | 100.0 | 100.0 | 100.0                    | 100.0 |
| II. NON-AZ<br>RESIDENCE | 24               | 20    | 4               | 17      | 3         | 4     | 19              | 5                 |       |       |                          | 2     |
| R                       | 100.0            | 83.3  | 16.7            | 70.8    | 12.5      | 16.7  | 79.2            | 20.8              |       |       |                          | 8.3   |
| C                       | 11.8             | 17.2  | 4.5             | 21.5    | 4.8       | 6.5   | 23.8            | 7.2               |       |       |                          | 11.8  |

BEHAVIOR RESEARCH CENTER, INC.

AZ GAME &amp; FISH DEPT.

## \*\*\* SPECIAL TABLES \*\*\*

Base: X.Q2=1 FISHED IN '93 AT LEE'S FERRY

Q.8X ON A TYPICAL FISHING TRIP TO LEE'S FERRY, WHAT WOULD YOU ESTIMATE IS THE TOTAL AMOUNT OF SPENDING BY ALL MEMBERS OF YOUR FISHING PART? (NET)

|                   | FISHED IN '93 AT<br>LEE'S FERRY |       | 1ST FISHED L.F. |         |               | ORGANIZN MEMBER |                    |                   | NO.AZ<br>FLY<br>CASTERS | NO. OTHER |
|-------------------|---------------------------------|-------|-----------------|---------|---------------|-----------------|--------------------|-------------------|-------------------------|-----------|
|                   |                                 |       | '90-'94         | '85-'89 | BEFORE<br>'85 | NONE            | TROUT<br>UNLIMITED | AZ_FLY<br>CASTERS |                         |           |
|                   | YES                             | NO    |                 |         |               |                 |                    |                   |                         |           |
| Total Respondents | 116                             | 116   | 56              | 32      | 28            | 62              | 33                 | 17                | 11                      | 8         |
| R                 | 100.0                           | 100.0 | 48.3            | 27.6    | 24.1          | 53.4            | 28.4               | 14.7              | 9.5                     | 6.9       |
| C                 | 100.0                           | 100.0 | 100.0           | 100.0   | 100.0         | 100.0           | 100.0              | 100.0             | 100.0                   | 100.0     |
| 1. UNDER 100      | 12                              | 12    | 7               | 2       | 3             | 8               | 1                  |                   |                         | 3         |
| R                 | 100.0                           | 100.0 | 58.3            | 16.7    | 25.0          | 66.7            | 8.3                |                   |                         | 25.0      |
| C                 | 10.3                            | 10.3  | 12.5            | 6.3     | 10.7          | 12.9            | 3.0                |                   |                         | 27.3      |
| 2. 100-199        | 18                              | 18    | 7               | 4       | 7             | 10              | 3                  | 2                 | 5                       |           |
| R                 | 100.0                           | 100.0 | 38.9            | 22.2    | 38.9          | 55.6            | 16.7               | 11.1              | 27.8                    |           |
| C                 | 15.5                            | 15.5  | 12.5            | 12.5    | 25.0          | 16.1            | 9.1                | 11.8              | 45.5                    |           |
| 3. 200-299        | 11                              | 11    | 4               | 5       | 2             | 3               | 5                  | 3                 | 1                       | 1         |
| R                 | 100.0                           | 100.0 | 36.4            | 45.5    | 18.2          | 27.3            | 45.5               | 27.3              | 9.1                     | 9.1       |
| C                 | 9.5                             | 9.5   | 7.1             | 15.6    | 7.1           | 4.8             | 15.2               | 17.6              | 9.1                     | 12.5      |
| 4. 300-399        | 11                              | 11    | 3               | 3       | 5             | 3               | 6                  | 3                 | 1                       | 1         |
| R                 | 100.0                           | 100.0 | 27.3            | 27.3    | 45.5          | 27.3            | 54.5               | 27.3              | 9.1                     | 9.1       |
| C                 | 9.5                             | 9.5   | 5.4             | 9.4     | 17.9          | 4.8             | 18.2               | 17.6              | 9.1                     | 12.5      |
| 5. 400-499        | 10                              | 10    | 6               | 2       | 2             | 4               | 4                  | 1                 | 1                       |           |
| R                 | 100.0                           | 100.0 | 60.0            | 20.0    | 20.0          | 40.0            | 40.0               | 10.0              | 10.0                    |           |
| C                 | 8.6                             | 8.6   | 10.7            | 6.3     | 7.1           | 6.5             | 12.1               | 5.9               | 9.1                     |           |
| 6. 500-599        | 13                              | 13    | 7               | 4       | 2             | 10              | 2                  |                   |                         | 1         |
| R                 | 100.0                           | 100.0 | 53.8            | 30.8    | 15.4          | 76.9            | 15.4               |                   |                         | 7.7       |
| C                 | 11.2                            | 11.2  | 12.5            | 12.5    | 7.1           | 16.1            | 6.1                |                   |                         | 12.5      |
| 7. 600-999        | 25                              | 25    | 11              | 8       | 6             | 13              | 9                  | 5                 |                         | 4         |
| R                 | 100.0                           | 100.0 | 44.0            | 32.0    | 24.0          | 52.0            | 36.0               | 20.0              |                         | 16.0      |
| C                 | 21.6                            | 21.6  | 19.6            | 25.0    | 21.4          | 21.0            | 27.3               | 29.4              |                         | 50.0      |
| 8. 1000 +         | 16                              | 16    | 11              | 4       | 1             | 11              | 3                  | 3                 |                         | 1         |
| R                 | 100.0                           | 100.0 | 68.8            | 25.0    | 6.3           | 68.8            | 18.8               | 18.8              |                         | 6.3       |
| C                 | 13.8                            | 13.8  | 19.6            | 12.5    | 3.6           | 17.7            | 9.1                | 17.6              |                         | 12.5      |

BEHAVIOR RESEARCH CENTER, INC.

AZ GAME &amp; FISH DEPT.

## \*\*\* SPECIAL TABLES \*\*\*

Base: X02=1 FISHED IN '93 AT

## CO. COUNTY

|                         | FISHED IN '93 AT<br>LEE'S FERRY | 1ST FISHED L.F.<br>'90-'94<br>'85-'89<br>NO<br>YES | ORGANZ'N MEMBER |       |       | TROUT<br>UNLIMITED | AZ_FLY<br>CASTERS | NO.AZ<br>FLY<br>CASTERS | OTHER |       |
|-------------------------|---------------------------------|----------------------------------------------------|-----------------|-------|-------|--------------------|-------------------|-------------------------|-------|-------|
|                         |                                 |                                                    | '85             | '85   | NONE  |                    |                   |                         |       |       |
|                         |                                 |                                                    | '85             | 1     | 1     |                    |                   |                         |       |       |
| Total Respondents       | 116                             | 116                                                | 56              | 32    | 28    | 62                 | 33                | 17                      | 11    | 8     |
| R                       | 100.0                           | 100.0                                              | 48.3            | 27.6  | 24.1  | 53.4               | 28.4              | 14.7                    | 9.5   | 6.9   |
| C                       | 100.0                           | 100.0                                              | 100.0           | 100.0 | 100.0 | 100.0              | 100.0             | 100.0                   | 100.0 | 100.0 |
| 1. MARICOPA             | 52                              | 52                                                 | 23              | 16    | 13    | 21                 | 18                | 17                      |       | 5     |
| R                       | 100.0                           | 100.0                                              | 44.2            | 30.8  | 25.0  | 40.4               | 34.6              | 32.7                    |       | 9.6   |
| C                       | 44.8                            | 44.8                                               | 41.1            | 50.0  | 46.4  | 33.9               | 54.5              | 100.0                   |       | 62.5  |
| 2. PIMA                 | 9                               | 9                                                  | 6               | 3     |       | 5                  | 4                 |                         |       |       |
| R                       | 100.0                           | 100.0                                              | 66.7            | 33.3  |       | 55.6               | 44.4              |                         |       |       |
| C                       | 7.8                             | 7.8                                                | 10.7            | 9.4   |       | 8.1                | 12.1              |                         |       |       |
| 3. COCHISE              | 1                               | 1                                                  |                 | 1     |       |                    |                   |                         |       |       |
| R                       | 100.0                           | 100.0                                              |                 | 100.0 |       |                    | 1                 |                         |       | 1     |
| C                       | 0.9                             | 0.9                                                |                 | 3.1   |       |                    | 100.0             |                         |       | 100.0 |
| 4. COCONINO             | 26                              | 26                                                 | 11              | 6     | 9     | 12                 | 7                 |                         | 10    | 1     |
| R                       | 100.0                           | 100.0                                              | 42.3            | 23.1  | 34.6  | 46.2               | 26.9              |                         | 38.5  | 3.8   |
| C                       | 22.4                            | 22.4                                               | 19.6            | 18.8  | 32.1  | 19.4               | 21.2              |                         | 90.9  | 12.5  |
| 5. MOHAVE               | 1                               | 1                                                  |                 | 1     |       |                    |                   |                         |       |       |
| R                       | 100.0                           | 100.0                                              |                 | 100.0 |       |                    | 100.0             |                         |       |       |
| C                       | 0.9                             | 0.9                                                |                 | 3.1   |       |                    | 1.6               |                         |       |       |
| 6. NAVAJO               | 1                               | 1                                                  |                 | 1     |       |                    |                   |                         |       |       |
| R                       | 100.0                           | 100.0                                              |                 | 100.0 |       |                    | 100.0             |                         |       |       |
| C                       | 0.9                             | 0.9                                                |                 | 3.1   |       |                    | 1.6               |                         |       |       |
| 8. SANTA CRUZ           | 1                               | 1                                                  |                 |       | 1     | 1                  |                   |                         |       |       |
| R                       | 100.0                           | 100.0                                              |                 |       | 100.0 | 100.0              |                   |                         |       |       |
| C                       | 0.9                             | 0.9                                                |                 |       | 3.6   | 1.6                |                   |                         |       |       |
| 9. YAVAPAI              | 5                               | 5                                                  | 2               | 1     | 2     | 4                  |                   |                         |       |       |
| R                       | 100.0                           | 100.0                                              | 40.0            | 20.0  | 40.0  | 80.0               |                   |                         |       | 1     |
| C                       | 4.3                             | 4.3                                                | 3.6             | 3.1   | 7.1   | 6.5                |                   |                         | 20.0  | 9.1   |
| 11. NON-AZ<br>RESIDENCE | 20                              | 20                                                 | 14              | 3     | 3     | 17                 | 3                 |                         |       | 1     |
| R                       | 100.0                           | 100.0                                              | 70.0            | 15.0  | 15.0  | 85.0               | 15.0              |                         |       | 5.0   |
| C                       | 17.2                            | 17.2                                               | 25.0            | 9.4   | 10.7  | 27.4               | 9.1               |                         |       | 12.5  |

BEHAVIOR RESEARCH CENTER, INC.

AZ GAME &amp; FISH DEPT.

## \*\*\* SPECIAL TABLES \*\*\*

Base: XQ2=1 FISHED IN '93 AT

## STATE

|                   | FISHED IN '93 AT | LEE'S FERRY | 1ST FISHED L.F. |         |        |       | ORGAN'ZIN MEMBER | NO. AZ | FLY   | OTHER |
|-------------------|------------------|-------------|-----------------|---------|--------|-------|------------------|--------|-------|-------|
|                   |                  |             | '90-'94         | '85-'89 | BEFORE | '85   |                  |        |       |       |
|                   |                  |             | YES             | NO      |        | NONE  | TROUT            | AZ_FLY | OTHER |       |
| Total Respondents | 20               | 20          | 14              | 3       | 3      | 17    | 3                |        |       | 1     |
| R                 | 100.0            | 100.0       | 70.0            | 15.0    | 15.0   | 85.0  | 15.0             |        |       | 5.0   |
| C                 | 100.0            | 100.0       | 100.0           | 100.0   | 100.0  | 100.0 | 100.0            |        |       | 100.0 |
| 5. CALIFORNIA     | 2                | 2           | 1               |         |        | 1     | 2                |        |       |       |
| R                 | 100.0            | 100.0       | 50.0            |         |        | 50.0  | 100.0            |        |       |       |
| C                 | 10.0             | 10.0        | 7.1             |         |        | 33.3  | 11.8             |        |       |       |
| 6. COLORADO       | 2                | 2           | 2               |         |        |       | 2                |        |       |       |
| R                 | 100.0            | 100.0       | 100.0           |         |        |       | 100.0            |        |       |       |
| C                 | 10.0             | 10.0        | 14.3            |         |        |       | 11.8             |        |       |       |
| 10. FLORIDA       | 1                | 1           | 1               |         |        |       | 1                |        |       |       |
| R                 | 100.0            | 100.0       | 100.0           |         |        |       | 100.0            |        |       |       |
| C                 | 5.0              | 5.0         | 7.1             |         |        |       | 5.9              |        |       |       |
| 29. NEVADA        | 2                | 2           | 2               |         |        |       | 1                |        |       | 1     |
| R                 | 100.0            | 100.0       | 100.0           |         |        |       | 50.0             |        |       | 50.0  |
| C                 | 10.0             | 10.0        | 14.3            |         |        |       | 5.9              |        |       | 33.3  |
| 32. NEW MEXICO    | 1                | 1           | 1               |         |        |       | 1                |        |       |       |
| R                 | 100.0            | 100.0       | 100.0           |         |        |       | 100.0            |        |       |       |
| C                 | 5.0              | 5.0         | 7.1             |         |        |       | 5.9              |        |       |       |
| 44. TEXAS         | 1                | 1           |                 | 1       |        |       | 1                |        |       |       |
| R                 | 100.0            | 100.0       |                 | 100.0   |        |       | 100.0            |        |       |       |
| C                 | 5.0              | 5.0         |                 | 33.3    |        |       | 5.9              |        |       |       |
| 45. UTAH          | 9                | 9           | 5               | 2       | 2      | 8     | 1                |        |       |       |
| R                 | 100.0            | 100.0       | 55.6            | 22.2    | 22.2   | 88.9  | 11.1             |        |       |       |
| C                 | 45.0             | 45.0        | 35.7            | 66.7    | 66.7   | 47.1  | 33.3             |        |       |       |
| 48. WASHINGTON    | 1                | 1           | 1               |         |        |       | 1                |        |       |       |
| R                 | 100.0            | 100.0       | 100.0           |         |        |       | 100.0            |        |       |       |
| C                 | 5.0              | 5.0         | 7.1             |         |        |       | 5.9              |        |       |       |
| 50. WISCONSIN     | 1                | 1           | 1               |         |        |       | 1                |        |       | 1     |
| R                 | 100.0            | 100.0       | 100.0           |         |        |       | 100.0            |        |       | 100.0 |
| C                 | 5.0              | 5.0         | 7.1             |         |        |       | 33.3             |        |       | 100.0 |

# GLEN CANYON NATIONAL RECREATION AREA

## VISITOR USE SUMMARY

July, 2001

|                | CURRENT        | PREVIOUS YEAR | % CHANGE | CURRENT YTD | PREVIOUS YTD | % CHANGE |
|----------------|----------------|---------------|----------|-------------|--------------|----------|
| # OF BOATS     | RANGER STATION | RIVER RUNNERS | ROAD ACC | NPS CG      | FISHERMEN    |          |
| WAHWEAP        | 302,764        | 344,738       | -12.2    | 1,007,219   | 1,092,309    | -7.8     |
| LEES FERRY     | 31,615         | 43,065        | -26.6    | 145,807     | 175,438      | -16.9    |
| BULLFROG       | 46,307         | 51,159        | -9.5     | 164,532     | 168,129      | -2.1     |
| HALLS CROSSING | 10,847         | 12,330        | -12.0    | 42,785      | 46,776       | -8.5     |
| HITE           | 18,277         | 22,090        | -17.3    | 83,088      | 84,060       | -1.2     |
| ESCALANTE      | 1,588          | 1,588         | 0.0      | 15,180      | 12,507       | 21.4     |
| TOTAL PARK     | 411,398        | 474,970       | -13.4    | 1,458,611   | 1,579,219    | -7.6     |
| RAINBOW BRIDGE | 27,972         | 35,839        | -22.0    | 96,272      | 112,919      | -14.7    |
|                |                |               |          |             |              |          |
| WAHWEAP        | 52,413         | 144           | 0        | 6,047       | 0            | 0        |
| LEES FERRY     | 110            | 171           | 7,758    | 0           | 567          | 213      |
| BULLFROG       | 45,366         | 1,358         | 0        | 2,859       | 0            | 0        |
| HALLS CROSSING | 9,739          | 250           | 1,801    | 0           | 0            | 0        |
| HITE           | 3,413          | 432           | 1,209    | 1,354       | 456          | 0        |
| ESCALANTE      | 0              | 3,574         | 0        | 0           | 0            | 0        |
| HAYDEN V/C     | 0              | 118,602       | 0        | 0           | 0            | 0        |
| TOTAL MONTH    | 112,758        | 124,531       | 10,768   | 10,260      | 1,023        | 213      |
| YEAR TO DATE   | 333,813        | 462,029       | 37,504   | 28,254      | 7,203        | 2,410    |
| PREVIOUS YTD   | 293,369        | 525,318       | 37,813   | 35,747      | 7,273        | 3,246    |

BEHAVIOR RESEARCH CENTER, INC.

AZ GAME &amp; FISH DEPT.

## \*\*\* STRUCTURE \*\*\*

LEE'S FERRY FISHING SURVEY MAY 1994 (JOB #94110)

Revision 49

Questions defined within LEEFERRY are:

| QUESTION  | TYPE | SIZE | DEC | CODE SET | QUESTION DESCRIPTION                                                                                                                                                                   |
|-----------|------|------|-----|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 RESPID  | C    | 3    | 0   |          | RESPID (204 RECORDS)                                                                                                                                                                   |
| 2 Q1      | C    | 2    | 0   | Q1       | Q.1 WHAT YEAR DID YOU FIRST FISH AT LEE'S FERRY?                                                                                                                                       |
| 3 Q2      | C    | 2    | 0   | Q2       | Q.2 HOW MANY FISHING TRIPS, IF ANY, DID YOU MAKE TO LEE'S FERRY IN 1993?                                                                                                               |
| 4 Q3      | C    | 1    | 0   | YES      | Q.3 DID YOU FISH WITH A GUIDE AT LEE'S FERRY DURING 1993?                                                                                                                              |
| 5 Q4      | C    | 1    | 0   | Q4       | Q.4 WHEN YOU FISHED AT LEE'S FERRY IN 1993 DID YOU USE FLIES, LURES OR BOTH FLIES & LURES?                                                                                             |
| 6 Q5      | C    | 1    | 0   | Q5       | Q.5 LEE'S FERRY IS CURRENTLY MANAGED WITH REDUCED BAG LIMITS & SIZE LIMITS TO PRODUCE 18 INCH TROUT & HIGH CATCH RATES. DO YOU SUPPORT / OPPOSE THIS MANAGEMENT POLICY AT LEE'S FERRY? |
| 7 Q6A     | C    | 1    | 0   | Q6       | Q.6 A SUPPORT / OPPOSE: A POLICY WHERE THE AREA IS STOCKED WITH 12 INCH TROUT & THERE IS NO RESTRICTION ON THE SIZE OF TROUT THAT MAY BE TAKEN?                                        |
| 8 Q6B     | C    | 1    | 0   | Q6       | Q.6 B SUPPORT / OPPOSE: A POLICY WHERE ALL TROUT UNDER 20 INCHES MUST BE RELEASED & ONLY ONE TROUT OVER 20 INCHES MAY BE KEPT?                                                         |
| 9 Q6C     | C    | 1    | 0   | Q6       | Q.6 C SUPPORT / OPPOSE: A "NO KILL - NO HARVEST" POLICY WHERE ALL TROUT, REGARDLESS OF SIZE, MUST BE RELEASED?                                                                         |
| 10 Q6D    | C    | 1    | 0   | Q6       | Q.6 D SUPPORT / OPPOSE: A POLICY WHERE ALL TROUT OVER 16 INCHES MUST BE RELEASED & ONLY TWO TROUT UNDER 16 INCHES MAY BE KEPT?                                                         |
| 11 Q7     | C    | 1    | 0   | Q7       | Q.7 SUPPORT / OPPOSE: A POLICY WHERE THE GAME & FISH DEPT. STOPPED STOCKING LEE'S FERRY WITH HATCHERY TROUT & THE AREA WAS MAINTAINED ONLY THROUGH NATURAL WILD SPAWN?                 |
| 12 Q7A    | C    | 1    | 0   | Q7A      | Q.7 A AND WOULD YOU STILL SUPPORT THIS POLICY EVEN IF IT MEANT THERE MAY BE FEWER TROUT?                                                                                               |
| 13 Q8     | C    | 4    | 0   | Q8       | Q.8 ON A TYPICAL FISHING TRIP TO LEE'S FERRY, WHAT WOULD YOU ESTIMATE IS THE TOTAL AMOUNT OF SPENDING BY ALL MEMBERS OF YOUR FISHING PART?                                             |
| 14 Q9     | C    | 3    | 0   | Q9       | Q.9 FINALLY, ARE YOU A MEMBER OF ANY TROUT FISHING ORGANIZATIONS?                                                                                                                      |
| 15 CITY   | C    | 3    | 0   | CITY     | CITY                                                                                                                                                                                   |
| 16 STATE  | C    | 2    | 0   | STATE    | STATE                                                                                                                                                                                  |
| 17 GENDER | C    | 1    | 0   | GEN      | GENDER                                                                                                                                                                                 |
| 18 SAMPLE | C    | 1    | 0   | SAMPL    | SAMPLE SOURCE                                                                                                                                                                          |

BEHAVIOR RESEARCH CENTER, INC.

AZ GAME &amp; FISH DEPT.

## \*\*\* CODE LABELS \*\*\*

## LABEL SET DETAIL LISTS:

| NAME | CODES | CODE_SIZE | DESCRIPTION |
|------|-------|-----------|-------------|
| Q1   | 32    | 2         |             |

| CODE | DESCRIPTION FOR REPORT LABELING | VALUE |
|------|---------------------------------|-------|
| 58   | 58                              |       |
| 60   | 60                              |       |
| 62   | 62                              |       |
| 64   | 64                              |       |
| 66   | 66                              |       |
| 67   | 67                              |       |
| 68   | 68                              |       |
| 70   | 70                              |       |
| 71   | 71                              |       |
| 72   | 72                              |       |
| 73   | 73                              |       |
| 74   | 74                              |       |
| 75   | 75                              |       |
| 76   | 76                              |       |
| 77   | 77                              |       |
| 78   | 78                              |       |
| 79   | 79                              |       |
| 80   | 80                              |       |
| 81   | 81                              |       |
| 82   | 82                              |       |
| 83   | 83                              |       |
| 84   | 84                              |       |
| 85   | 85                              |       |
| 86   | 86                              |       |
| 87   | 87                              |       |
| 88   | 88                              |       |
| 89   | 89                              |       |
| 90   | 90                              |       |
| 91   | 91                              |       |
| 92   | 92                              |       |
| 93   | 93                              |       |
| 94   | 94                              |       |

| NAME | CODES | CODE_SIZE | DESCRIPTION |
|------|-------|-----------|-------------|
| Q2   | 11    | 2         |             |

| CODE            | DESCRIPTION FOR REPORT LABELING | VALUE |
|-----------------|---------------------------------|-------|
| Bottom of range |                                 | 1.00  |
| 00              | 00 - EXCLUDED FROM THE MEAN     |       |
| 01              | 01                              | 1.00  |
| 02              | 02                              | 2.00  |
| 03              | 03                              | 3.00  |
| 04              | 04                              | 4.00  |
| 05              | 05                              | 5.00  |

BEHAVIOR RESEARCH CENTER, INC.

AZ GAME &amp; FISH DEPT.

## \*\*\* CODE LABELS \*\*\*

| CODE            | DESCRIPTION FOR REPORT LABELING | VALUE |
|-----------------|---------------------------------|-------|
| Bottom of range |                                 |       |
| 06              | 06                              | 1.00  |
| 07              | 07                              | 6.00  |
| 10              | 10                              | 7.00  |
| 45              | 45                              | 10.00 |
| 93              | 93                              | 45.00 |
| Top of range    |                                 |       |
|                 |                                 | 93.00 |
|                 |                                 | 93.00 |

NAME CODES CODE\_SIZE DESCRIPTION  
YES 2 1

CODE DESCRIPTION FOR REPORT LABELING VALUE  
1 1. YES  
2 2. NO

NAME CODES CODE\_SIZE DESCRIPTION  
04 3 1

CODE DESCRIPTION FOR REPORT LABELING VALUE  
1 1. FLIES  
2 2. LURES  
3 3. BOTH: FLIES & LURES

NAME CODES CODE\_SIZE DESCRIPTION  
05 3 1

CODE DESCRIPTION FOR REPORT LABELING VALUE  
1 1. SUPPORT  
2 2. OPPOSE  
3 3. NOT SURE

NAME CODES CODE\_SIZE DESCRIPTION  
06 4 1

CODE DESCRIPTION FOR REPORT LABELING VALUE  
1 1. SUPPORT  
2 2. OPPOSE  
3 3. NOT SURE  
4 4. REFUSED

BEHAVIOR RESEARCH CENTER, INC.

AZ GAME &amp; FISH DEPT.

## \*\*\* CODE LABELS \*\*\*

NAME CODES CODE\_SIZE DESCRIPTION  
Q7 3 1

| CODE | DESCRIPTION FOR REPORT LABELING | VALUE |
|------|---------------------------------|-------|
| 1    | 1. SUPPORT                      |       |
| 2    | 2. OPPOSE                       |       |
| 3    | 3. NOT SURE                     |       |

NAME CODES CODE\_SIZE DESCRIPTION  
Q7A 3 1

| CODE | DESCRIPTION FOR REPORT LABELING | VALUE |
|------|---------------------------------|-------|
| 1    | 1. YES                          |       |
| 2    | 2. NO                           |       |
| 3    | 3. NOT SURE                     |       |

NAME CODES CODE\_SIZE DESCRIPTION  
Q8 44 4

| CODE                   | DESCRIPTION FOR REPORT LABELING | VALUE  |
|------------------------|---------------------------------|--------|
| <i>Bottom of range</i> |                                 |        |
| 0020                   | 0020                            | 20.00  |
| 0030                   | 0030                            | 20.00  |
| 0035                   | 0035                            | 30.00  |
| 0040                   | 0040                            | 35.00  |
| 0045                   | 0045                            | 40.00  |
| 0050                   | 0050                            | 45.00  |
| 0060                   | 0060                            | 50.00  |
| 0070                   | 0070                            | 55.00  |
| 0075                   | 0075                            | 70.00  |
| 0100                   | 0100                            | 75.00  |
| 0120                   | 0120                            | 100.00 |
| 0125                   | 0125                            | 120.00 |
| 0150                   | 0150                            | 125.00 |
| 0160                   | 0160                            | 150.00 |
| 0200                   | 0200                            | 160.00 |
| 0225                   | 0225                            | 200.00 |
| 0230                   | 0230                            | 225.00 |
| 0250                   | 0250                            | 230.00 |
| 0300                   | 0300                            | 250.00 |
| 0350                   | 0350                            | 300.00 |
| 0400                   | 0400                            | 350.00 |
| 0450                   | 0450                            | 400.00 |
| 0500                   | 0500                            | 450.00 |
| 0550                   | 0550                            | 500.00 |
| 0575                   | 0575                            | 550.00 |
| 0600                   | 0600                            | 575.00 |
|                        |                                 | 600.00 |

BEHAVIOR RESEARCH CENTER, INC.

AZ GAME &amp; FISH DEPT.

## \*\*\* CODE LABELS \*\*\*

| CODE            | DESCRIPTION FOR REPORT LABELING | VALUE   |
|-----------------|---------------------------------|---------|
| Bottom of range |                                 | 20.00   |
| 0650            | 0650                            | 650.00  |
| 0680            | 0680                            | 680.00  |
| 0700            | 0700                            | 700.00  |
| 0750            | 0750                            | 750.00  |
| 0752            | 0752                            | 752.00  |
| 0800            | 0800                            | 800.00  |
| 0900            | 0900                            | 900.00  |
| 1000            | 1000                            | 1000.00 |
| 1200            | 1200                            | 1200.00 |
| 1300            | 1300                            | 1300.00 |
| 1400            | 1400                            | 1400.00 |
| 1500            | 1500                            | 1500.00 |
| 3000            | 3000                            | 3000.00 |
| 3600            | 3600                            | 3600.00 |
| 4000            | 4000                            | 4000.00 |
| 4200            | 4200                            | 4200.00 |
| 6500            | 6500                            | 6500.00 |
| 9999            | 9999. N/A                       |         |
| Top of range    |                                 | 6500.00 |

NAME CODES CODE\_SIZE DESCRIPTION

09 11 1

| CODE | DESCRIPTION FOR REPORT LABELING | VALUE |
|------|---------------------------------|-------|
| 1    | 1. NO                           |       |
| 2    | 2. TROUT UNLIMITED              |       |
| 3    | 3. AZ FLY CASTERS               |       |
| 4    | 4. NORTHERN AZ FLY CASTERS      |       |
| 5    | 5. FEDERATION OF FLY FISHERMAN  |       |
| 6    | 6. FEDERATION OF FLY CASTERS    |       |
| 7    | 7. NORTH AMERICAN FISHING CLUB  |       |
| 8    | 8. TUCSON FLY TIERS             |       |
| 9    | 9. DESERT FLY CASTERS           |       |
| 0    | 10. PRIVATE CLUB                |       |
| A    | 11. DON'T KNOW /NOT SURE        |       |

NAME CODES CODE\_SIZE DESCRIPTION

CITY 38 3

| CODE | DESCRIPTION FOR REPORT LABELING | VALUE |
|------|---------------------------------|-------|
| 005  | 5. AVONDALE                     |       |
| 008  | 8. APACHE JUNCTION              |       |
| 010  | 10. CAREFREE                    |       |
| 012  | 12. CAVE CREEK                  |       |
| 013  | 13. CHANDLER                    |       |
| 021  | 21. GILBERT                     |       |
| 022  | 22. GLENDALE                    |       |
| 032  | 32. LITCHFIELD PARK             |       |

BEHAVIOR RESEARCH CENTER, INC.

AZ GAME &amp; FISH DEPT.

## \*\*\* CODE LABELS \*\*\*

| CODE | DESCRIPTION FOR REPORT LABELING | VALUE |
|------|---------------------------------|-------|
| 035  | 35. MESA                        |       |
| 043  | 43. PARADISE VALLEY             |       |
| 044  | 44. PEORIA                      |       |
| 045  | 45. PHOENIX                     |       |
| 050  | 50. SCOTTSDALE                  |       |
| 052  | 52. SUN CITY                    |       |
| 053  | 53. SUN CITY WEST               |       |
| 054  | 54. SUN LAKES                   |       |
| 060  | 60. TEMPE                       |       |
| 061  | 61. TOLLESON                    |       |
| 115  | 115. GREEN VALLEY               |       |
| 162  | 162. TUCSON                     |       |
| 293  | 293. SIERRA VISTA               |       |
| 315  | 315. FLAGSTAFF                  |       |
| 320  | 320. GRAND CANYON VILLAGE       |       |
| 345  | 345. MARBLE CANYON              |       |
| 355  | 355. PAGE                       |       |
| 365  | 365. SEDONA                     |       |
| 371  | 371. TUBA CITY                  |       |
| 485  | 485. SAFFORD                    |       |
| 604  | 604. COLORADO CITY              |       |
| 690  | 690. TAYLOR                     |       |
| 775  | 775. NOGALES                    |       |
| 785  | 785. SONOITA                    |       |
| 810  | 810. CAMP VERDE                 |       |
| 812  | 812. CHINO VALLEY               |       |
| 817  | 817. COTTONWOOD                 |       |
| 843  | 843. PRESCOTT                   |       |
| 933  | 933. YUMA                       |       |
| XXX  | XXX. NON-AZ RESIDENCE           |       |

NAME CODES CODE\_SIZE DESCRIPTION  
 STATE 52 2

| CODE | DESCRIPTION FOR REPORT LABELING | VALUE |
|------|---------------------------------|-------|
| 01   | 1. ALASKA                       |       |
| 02   | 2. ALABAMA                      |       |
| 03   | 3. ARIZONA                      |       |
| 04   | 4. ARKANSAS                     |       |
| 05   | 5. CALIFORNIA                   |       |
| 06   | 6. COLORADO                     |       |
| 07   | 7. CONNECTICUT                  |       |
| 08   | 8. DELAWARE                     |       |
| 09   | 9. DISTRICT OF COLUMBIA         |       |
| 10   | 10. FLORIDA                     |       |
| 11   | 11. GEORGIA                     |       |
| 12   | 12. HAWAII                      |       |
| 13   | 13. IDAHO                       |       |
| 14   | 14. ILLINOIS                    |       |
| 15   | 15. INDIANA                     |       |
| 16   | 16. IOWA                        |       |

BEHAVIOR RESEARCH CENTER, INC.

AZ GAME &amp; FISH DEPT.

## \*\*\* CODE LABELS \*\*\*

| CODE | DESCRIPTION FOR REPORT LABELING | VALUE |
|------|---------------------------------|-------|
| 17   | 17. KANSAS                      |       |
| 18   | 18. KENTUCKY                    |       |
| 19   | 19. LOUISIANA                   |       |
| 20   | 20. MAINE                       |       |
| 21   | 21. MARYLAND                    |       |
| 22   | 22. MASSACHUSETTS               |       |
| 23   | 23. MICHIGAN                    |       |
| 24   | 24. MINNESOTA                   |       |
| 25   | 25. MISSISSIPPI                 |       |
| 26   | 26. MISSOURI                    |       |
| 27   | 27. MONTANA                     |       |
| 28   | 28. NEBRASKA                    |       |
| 29   | 29. NEVADA                      |       |
| 30   | 30. NEW HAMPSHIRE               |       |
| 31   | 31. NEW JERSEY                  |       |
| 32   | 32. NEW MEXICO                  |       |
| 33   | 33. NEW YORK                    |       |
| 34   | 34. NORTH CAROLINA              |       |
| 35   | 35. NORTH DAKOTA                |       |
| 36   | 36. OHIO                        |       |
| 37   | 37. OKLAHOMA                    |       |
| 38   | 38. OREGON                      |       |
| 39   | 39. PENNSYLVANIA                |       |
| 40   | 40. RHODE ISLAND                |       |
| 41   | 41. SOUTH CAROLINA              |       |
| 42   | 42. SOUTH DAKOTA                |       |
| 43   | 43. TENNESSEE                   |       |
| 44   | 44. TEXAS                       |       |
| 45   | 45. UTAH                        |       |
| 46   | 46. VERMONT                     |       |
| 47   | 47. VIRGINIA                    |       |
| 48   | 48. WASHINGTON                  |       |
| 49   | 49. WEST VIRGINIA               |       |
| 50   | 50. WISCONSIN                   |       |
| 51   | 51. WYOMING                     |       |
| 99   | 99. DON'T KNOW/REFUSED          |       |

| NAME | CODES | CODE_SIZE | DESCRIPTION |
|------|-------|-----------|-------------|
| GEN  | 2     | 1         |             |

| CODE | DESCRIPTION FOR REPORT LABELING | VALUE |
|------|---------------------------------|-------|
| 1    | 1. MALE                         |       |
| 2    | 2. FEMALE                       |       |

BEHAVIOR RESEARCH CENTER, INC.

AZ GAME &amp; FISH DEPT

## \*\*\* CODE LABELS \*\*\*

| NAME   | CODES | CODE_SIZE | DESCRIPTION |
|--------|-------|-----------|-------------|
| SAMPLE | 6     | 1         |             |

| CODE | DESCRIPTION FOR REPORT LABELING      | VALUE |
|------|--------------------------------------|-------|
| 1    | 1. LICENSED DEALER LIST              |       |
| 2    | 2. ANGLER SURVEY LIST                |       |
| 3    | 3. NORTHERN AZ FLY CASTERS CLUB LIST |       |
| 4    | 4. TROUT UNLIMITED LIST              |       |
| 5    | 5. AZ FLY CASTERS LIST               |       |

**APPENDIX C: EXAMPLE OF GLEN CANYON NATIONAL RECREATION AREA  
MONTHLY PUBLIC USE REPORT, JULY 2001.**

## MONTHLY PUBLIC USE REPORT

|                                           |                         |                       |                      |                      |                            |
|-------------------------------------------|-------------------------|-----------------------|----------------------|----------------------|----------------------------|
| PARK<br>GLEN CANYON NAT'L RECREATION AREA | MONTH<br>YEAR<br>7/2001 | UPDATE<br>CODE<br>[ ] | PARK<br>CODE<br>1440 | MONTH<br>YEAR<br>[ ] | CATE-<br>GORY<br>R/<br>[ ] |
|-------------------------------------------|-------------------------|-----------------------|----------------------|----------------------|----------------------------|

|        |                        |                         |                 |                         |
|--------|------------------------|-------------------------|-----------------|-------------------------|
| VISITS | Recreational<br>409224 | Nonrecreational<br>2174 | Total<br>411398 | YEAR-TO-DATE<br>1458611 |
|--------|------------------------|-------------------------|-----------------|-------------------------|

|               |                          |                          |                   |                          |
|---------------|--------------------------|--------------------------|-------------------|--------------------------|
| VISITOR HOURS | Recreational<br>11721367 | Nonrecreational<br>26088 | Total<br>11747455 | YEAR-TO-DATE<br>30631881 |
|---------------|--------------------------|--------------------------|-------------------|--------------------------|

|                                              | CURRENT MONTH | YEAR-TO-DATE | NPS CAMPGROUNDS                                                                                                                  |
|----------------------------------------------|---------------|--------------|----------------------------------------------------------------------------------------------------------------------------------|
| RECREATION O/N STAYS<br>CONCESSIONER LODGING | 21029         | 75453        | TENTS 778                                                                                                                        |
| CONCESSIONER CAMPGROUNDS                     | 19389         | 50920        | R/Vs 246                                                                                                                         |
| NPS CAMPGROUNDS                              | 1024          | 7204         | TOTAL 1024                                                                                                                       |
| NPS BACKCOUNTRY                              | 2774          | 27758        | VISITOR-HOUR APPENDIX                                                                                                            |
| NPS MISCELLANEOUS                            | 400543        | 899142       | SEE WORKSHEET<br>Revised NPS Misc. camping<br>data for Bullfrog in June,<br>2001 has increased total<br>overnight stays by 7260. |
| NON RECREATION O/N STAYS                     | 0             | 42           |                                                                                                                                  |
| TOTAL OVERNIGHT STAYS                        | 444759        | 1060519      |                                                                                                                                  |

| SPECIAL USE DATA | THIS<br>MONTH | YEAR-TO<br>DATE |                | THIS<br>MONTH | YEAR-TO<br>DATE |
|------------------|---------------|-----------------|----------------|---------------|-----------------|
| WAHWEAP          | 302764        | 1007219         | HITE           | 18277         | 83081           |
| LEES FERRY       | 31615         | 145807          | ESCALANTE      | 1588          | 15180           |
| BULLFROG         | 46307         | 164532          | RAINBOW BRIDGE | 27972         | 96271           |
| HALLS CROSSING   | 10847         | 42785           | BUSES          | 233           | 1256            |

| THIS MONTH             | SAME MONTH LAST YEAR               |
|------------------------|------------------------------------|
| TOTAL VISITS<br>411398 | TOTAL VISITS<br>474970 % CHG -13.4 |
| YTD VISITS<br>1458611  | YTD VISITS<br>1579219 % CHG -7.6   |

|                          |                      |                  |
|--------------------------|----------------------|------------------|
| SIGNATURE<br>LYNN PICARD | TITLE<br>PARK RANGER | DATE<br>08/24/01 |
|--------------------------|----------------------|------------------|