



SMITH RIVER STATE PARK AND RIVER CORRIDOR

Visitor Use & Statistics Monitoring Report

2017



A summary of visitor use statistics, management activities and resource and social conditions on the Smith River corridor during the 2017 field season

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SECTION 1 - EXECUTIVE SUMMARY

The lack of snow during the winter of 2016-2017 was detrimental to Smith River flows in 2017. As the new year dawned, the snowpack was at 60% of its median for that day and 25% of median peak. The snowpack peaked in the second week of March at 70% of the median peak and approximately five weeks earlier than normal. Through the rest of March and April, the snowpack remained relatively steady between 63-68% of the median peak. Precipitation within the Smith River drainage was also below average. April showers were 112% of average, but May was only 87% and June 67% of average. The float season got a bit of a boost in the middle of June with a very good rainstorm that dropped between 1-2 inches of rain over the drainage. River flows dropped below 200 CFS on the 22nd of June, twenty days earlier than average. Accompanying the low flows were warm water temperatures. Time of day, or “Hoot Owl”, angling restrictions were put in place on July 9th and remained until September 15th.

Interest in private float permits increased for the seventh year in a row. There were 10,077 private float permit applications in the 2017 permit lottery, a 7.6% increase from 2016. Total river use was also at an all-time high in 2017. There were 5,599 total floaters in 2017, 224 more than 2014, the next highest year. April had its second busiest use ever and May and June had new record amounts of use. May surpassed its previous high use set in 2007 by 19.3% and June experienced 4.1% more use than its previous high use in 2016. Private and outfitted use were both the second highest ever. This level of use is interesting given the fact that 2017 was a poor water year with very little floating occurring after June. However, the increase can be attributed to the highest average number of floaters per private group (7.84), over half a person more than the previous highest year, in addition to near record outfitted use.



A big talking point on the river for the second year in a row was filamentous algae (see above photo). This algae was widespread again this year, often occupying the river bottom from

bank to bank. Fisherman were particularly put out by the algae, especially towards the second half of June when it started to dislodge and float throughout the water column. This emerging nuisance is very concerning to both users and resource managers. The Montana Department of Environmental Quality (DEQ) has started research into the cause of the algae and what, if anything, can be done to remedy this nuisance. In 2017, the DEQ received an Environmental Protection Agency (EPA) grant to develop a smart-phone app that will allow river users to upload geolocated photos and comments to the DEQ. This will give researchers information such as the location of algae and the amount of coverage over the bottom of the river. The app will be available in the spring of 2018 prior to the float season.

Another resource issue of concern this year was aquatic invasive species (AIS). The potential discovery of mussels in Canyon Ferry and Tiber Reservoirs has prompted a major allocation of resources to educate recreationalists about AIS and to inspect vessels throughout the state. Smith River rangers continued to educate Smith River floaters about AIS during the mandatory ranger talk. Floaters were told about clean, drain and dry, inspection requirements post float and the Smith River's one present AIS species, curly-leaf pond weed.

Noxious weed control efforts in 2017 were extensive among numerous cooperating entities. FWP staff hosted a weed spraying float in May with staff from Montana State University (MSU) Extension Noxious Plant Laboratory and students from MSU's Outdoor Recreation program. This trip focused on spraying weeds in camp and cultural sites on the lower river. The Smith River Habitat Project (SRHP) organized the majority of the weed spraying efforts during the year. This work included two half-river floats by a contractor, West River Land Management (WRLM), and fall spraying via UTV by WRLM, the United States Forest Service and Meagher County. There was also a volunteer weed pulling trip in June that removed significant amounts of weed seed heads from boat camps within the corridor.

The qualitative social indicator which measures satisfaction levels related to "encounters with other boats while floating the river" is the basis for assessing floater satisfaction with the *overall* level of solitude on the Smith River. 92% of the floaters fell into the range of "Neutral to Liked Very Much." The threshold at which responses begin to near the "Neutral to Disliked" range is when floaters encountered between 4 and 5 boats per hour. However, it's important to note that floaters very infrequently encountered 5 or more boats per hour. These results are a strong indication of high floater satisfaction with the overall level of solitude.

SECTION 2 - MANAGEMENT ACTIVITIES

Staffing

Employees from Montana Fish, Wildlife & Parks (FWP) Region 4 and Helena-Lewis and Clark National Forest (USFS) involved with the 2017 Smith River State Park & River Corridor program included:

- Colin Maas – Smith River Manager (FWP)
- John Taillie – Region 4 Parks Manager (FWP)
- John Metrione – Resource Specialist (USFS)
- Nate Kluz – FWP Lead River Ranger (FWP)
- Cannon Colegrove – River Ranger (FWP)
- Austin Moody – River Ranger (FWP)
- Don Mendenhal – River Ranger (USFS)
- Joshua Wagoner – Region 4 Maintenance Supervisor (FWP)
- Karissa Goodrich – Smith River Reservation Clerk (FWP)

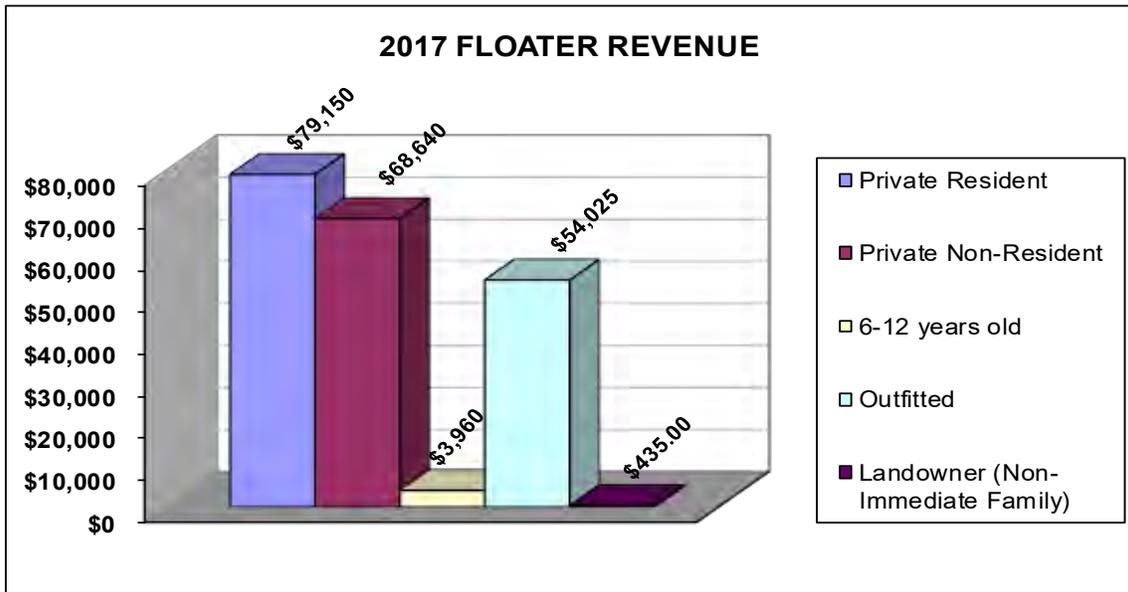
Numerous other employees from Region 4 FWP and the Helena Headquarters office, as well as individuals from the USFS, played a role in a team effort to make the Smith River State Park & River Corridor program work successfully.



The 2017 Crew!

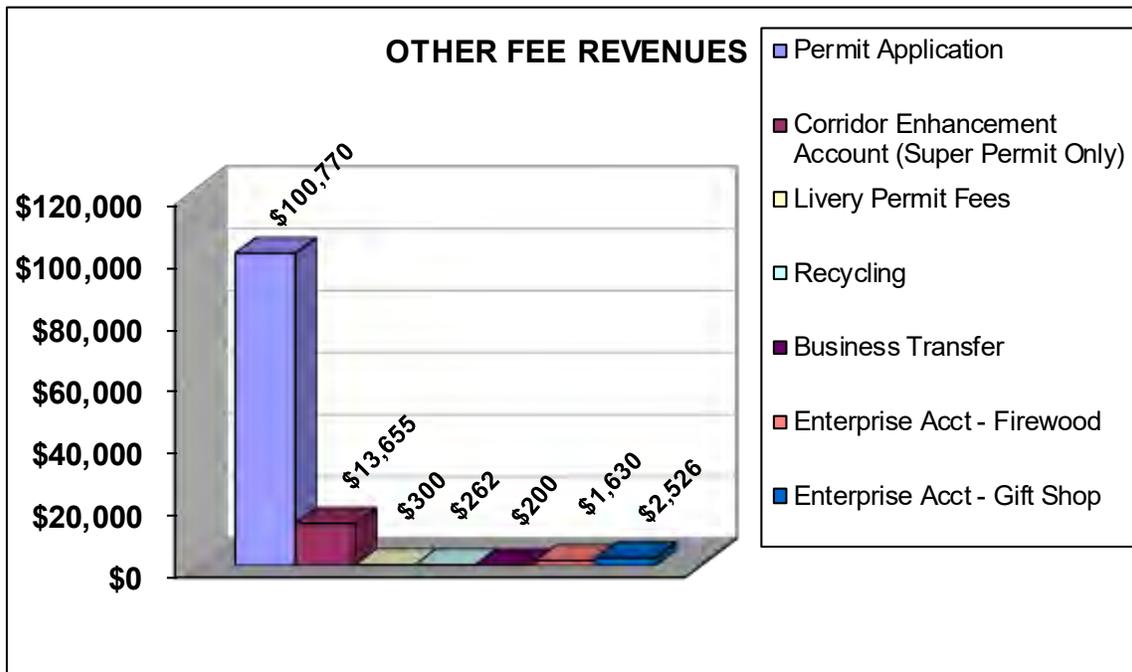
Fee Revenue

Total “floater fee” revenue collected in 2017 was \$206,210. Floater fees revenues increased by \$18,705 as compared to 2016 revenues.



GRAPH 1: FLOATER FEES COLLECTED IN 2017

Total “other fee” revenue collected in 2017 was \$119,343. Other fee revenues increased by \$8,350 as compared to 2016 revenues.



GRAPH 2: OTHER FEES COLLECTED IN 2017

The following floater fees (year-round) were approved for the 2017 season by means of the Smith River State Park Biennial Rule:

- Permit application fee (residents and non-residents, non-refundable) = **\$10.00**
- Montana Resident Floaters Age 13+, Outfitter Staff = **\$25.00**
- Non-Montana Resident Floaters Age 13+ = **\$60.00**
- Children Ages 6-12 (Resident or Non-resident) = **\$15.00**
- Landowner Non-Immediate Family = **\$7.50**
- Outfitted Client Floater = **\$100.00**
- Outfitted Launch Fee = **\$200.00**
- Outfitted Transfer Fee = **\$200.00**

Special Projects Completed

The following special projects were accomplished in 2017:

Camp Baker

- Repainted the interior walls, ceiling and floor of the vault toilets.

Eden Bridge

- There were no major projects at Eden Bridge this year.

River Corridor

- River rangers dug 38 pit latrines. 381 pit latrines have been dug in the past 12 years. The twelve-year average is 32 pit latrines dug per year.
- The Two Creek boat camp was moved approximately one hundred yards downstream. The landing at the previous location was extremely shallow and difficult to use at flows less than 300 CFS. The new camp has an easier landing and can accommodate larger groups.
- Noxious weed control efforts were undertaken by FWP, the Smith River Habitat Project (SRHP) and volunteer groups. In May, FWP facilitated a float with staff from the Montana State University (MSU) Extension Invasive Plant Lab and students from the MSU Outdoor Recreation program. This float focused on weed spraying and pulling on the lower half of the river, primarily in boat camps and near cultural sites. In June, the SRHP funded two float trips (ten days) by West River Land Management, a commercial applicator. Also in June, a large experienced volunteer group completed their fourth weed pull trip in five years. This group focused on pulling weeds and cutting the seed heads off mature thistle plants. They packed out over 750 gallons of compacted weed seed heads and spent over 220 hours weeding. SRHP also organized extensive autumn spraying via UTV with West River Land Management, the United States Forest Service and the Meagher County Weed District.

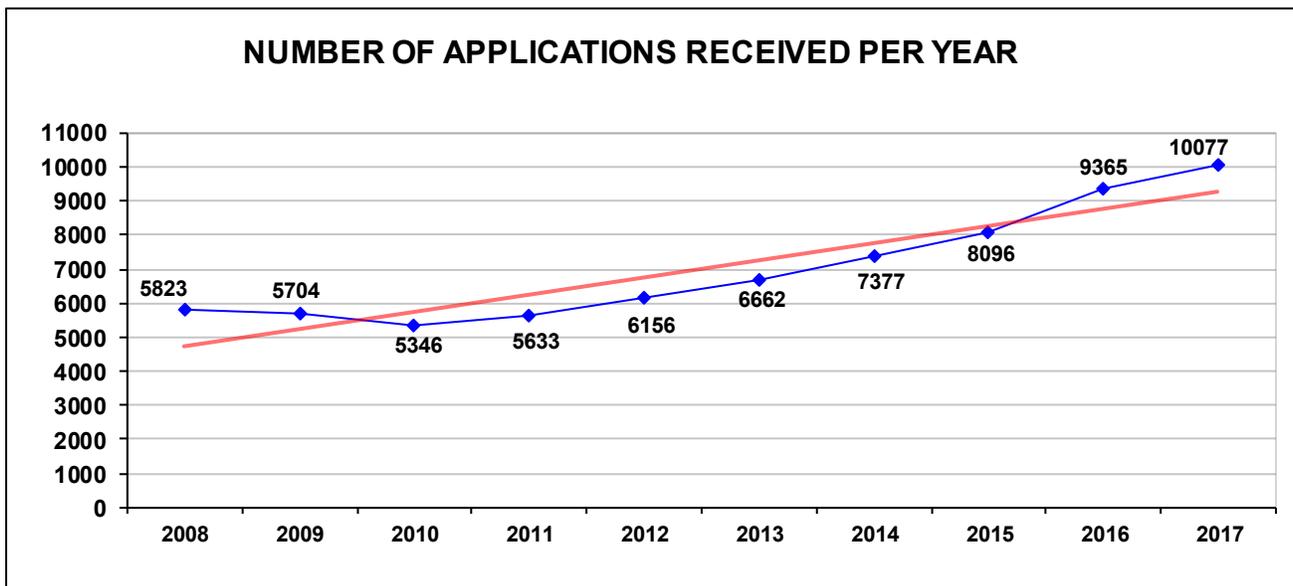
Administrative and Management Actions

- The United States Forest Service (USFS) funded a river ranger position for the 8th consecutive year. In 2017, the USFS ranger assisted with majority of river patrols and filled-in at camp baker as needed.
- Montana State University graduate student Mike Lance continued his fisheries research on the Smith River. Mike is using PIT tagging to monitor fish movement within the Smith River drainage. Mike and FWP have tagged thousands of Trout, Whitefish and Burbot and have tag readers at numerous locations including Sheep

- Creek, Rock Creek, Tenderfoot Creek, Black Butte and Truly Bridge.
- FWP and Montana State University began a study to research the effect of pelican predation on fisheries in the Missouri River and tributaries, including the Smith. This study is in progress with no conclusions reached as of autumn of 2017.
- Due to warm water temperatures, time of day, or “hoot owl”, angling restrictions were instituted on July 9th until September 15th.
- The second year of the mandatory food storage rule was successful. Outreach will continue so that the public is fully aware of approved products and compliant techniques for food and attractant storage. All bear reports were of bears acting naturally with no reported incidents that indicated that bears had been habituated. This season did see the closest incursions of Grizzly Bears to Smith River country. A Grizzly bear was spotted in the headwaters of Rock Creek in the Big Belt Mountains and a second bear was spotted southeast of Cascade between the Missouri River and Hound Creek. The greater Little Belt complex also saw grizzlies this year near Geyser and Raynesford.

SECTION 3 - VISITOR USE STATISTICS

Private Launch Applications



GRAPH 3: NUMBER OF APPLICANTS PER YEAR

No-Shows

A total of 76 permit holders were no-shows. No-shows are restricted from applying in 2017.

Cancellations

A total of 532 permits were cancelled. 146 cancellations occurred during the peak season (May15-July15), 90 of which were after 6/26/2017 when the flow went below 150 CFS. The cancelled permits are made available to the public.

First-Time Floaters: Private Permits

Of the 596 private group permit holders that floated the Smith River in 2017, 124 (21%) were first-time floaters.

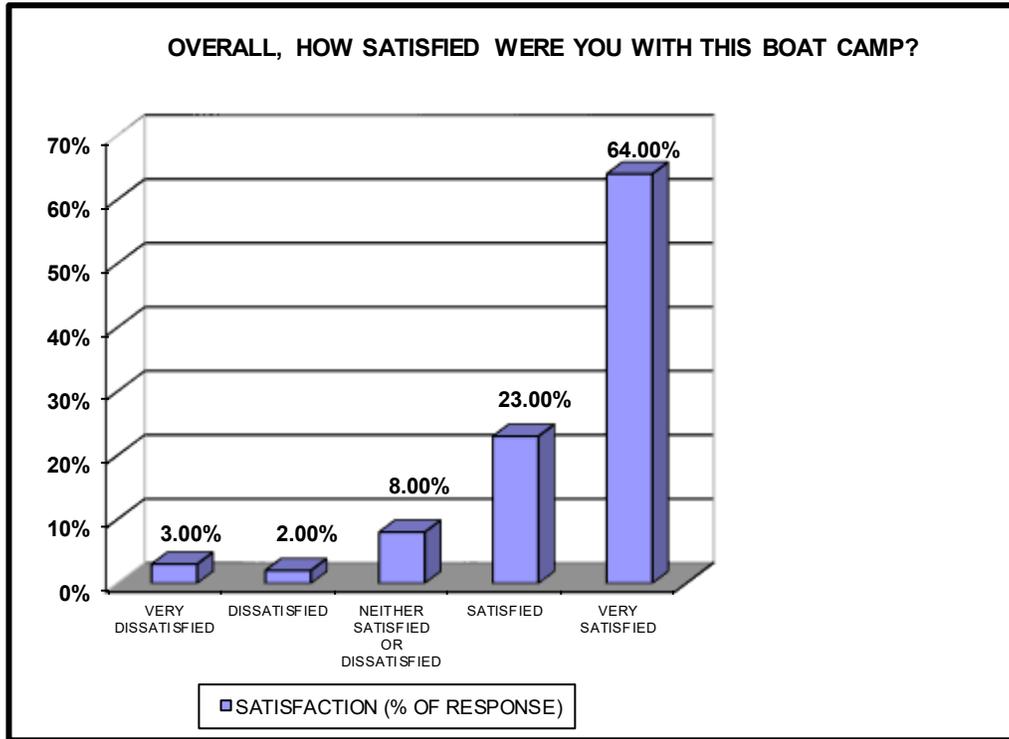
Floater Logs

Of the 650 private and outfitted groups that floated, 238 (37%) returned a floater log.

2017 FLOATER LOG COMMENT SUMMARY

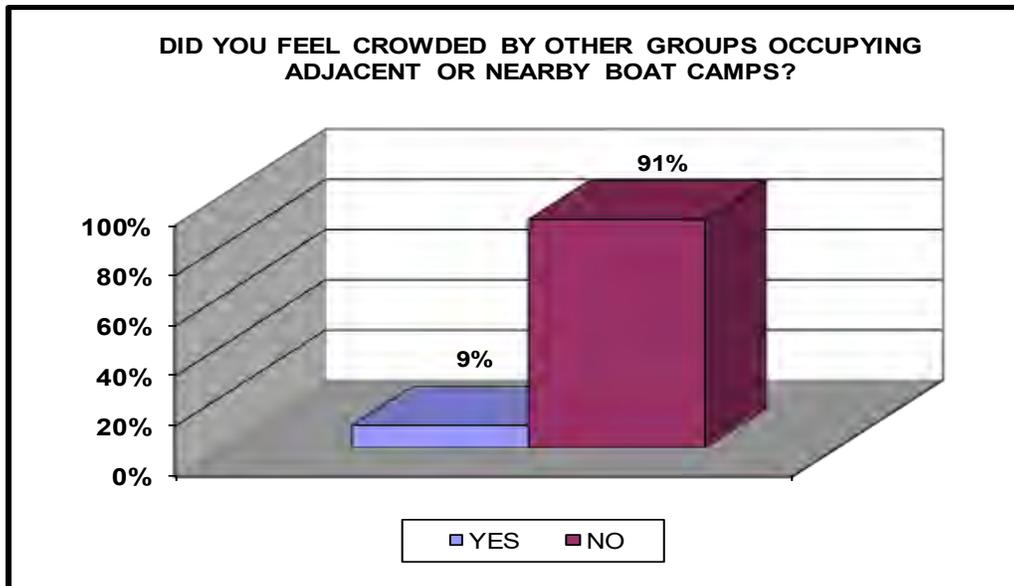
CAMPSITE QUESTIONS:

Question: Overall, how satisfied were you with this boat camp?



GRAPH 4: BOAT CAMP SATISFACTION

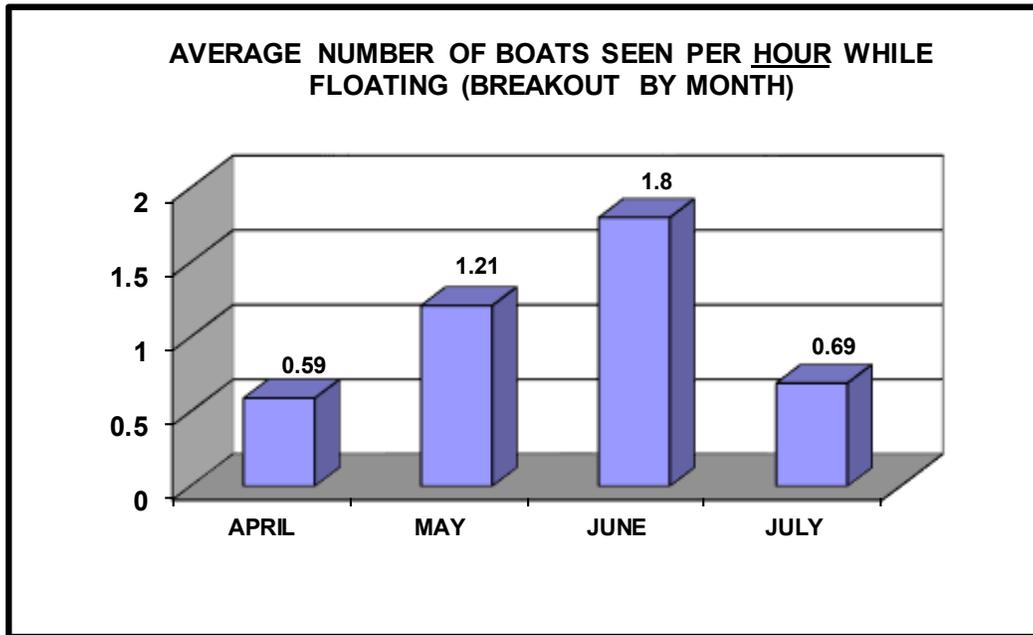
Question: Did you feel crowded by other groups occupying adjacent or nearby boat camps?



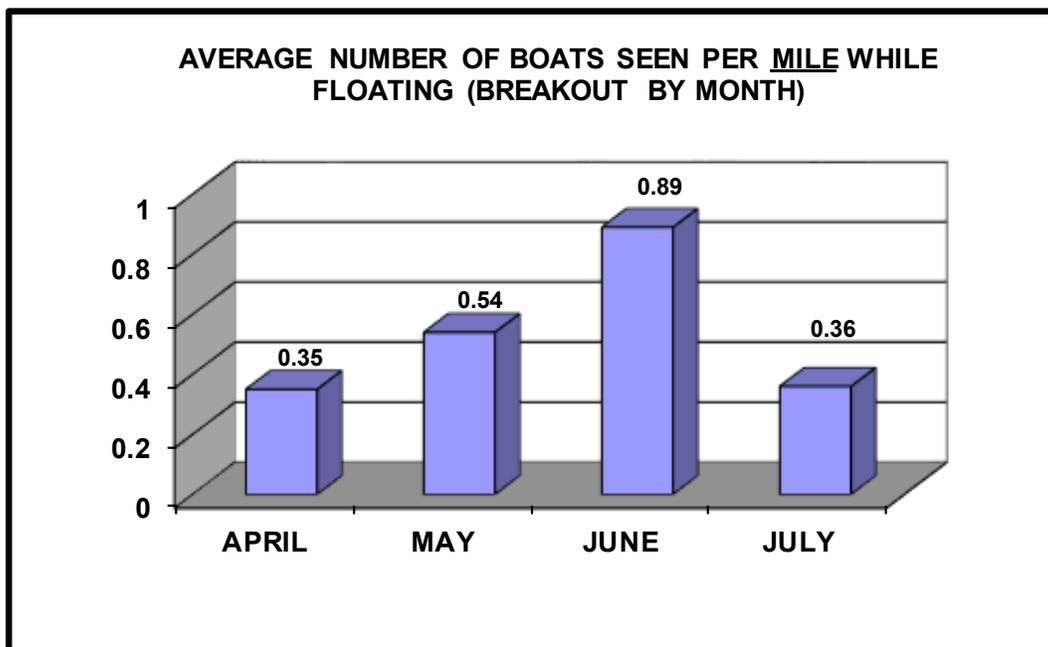
GRAPH 5: PERCEPTION OF CROWDING BY ADJACENT BOAT CAMPS

FLOATING QUESTIONS:

Question: How many other **boats** did you observe while floating the river today (excluding your group)?



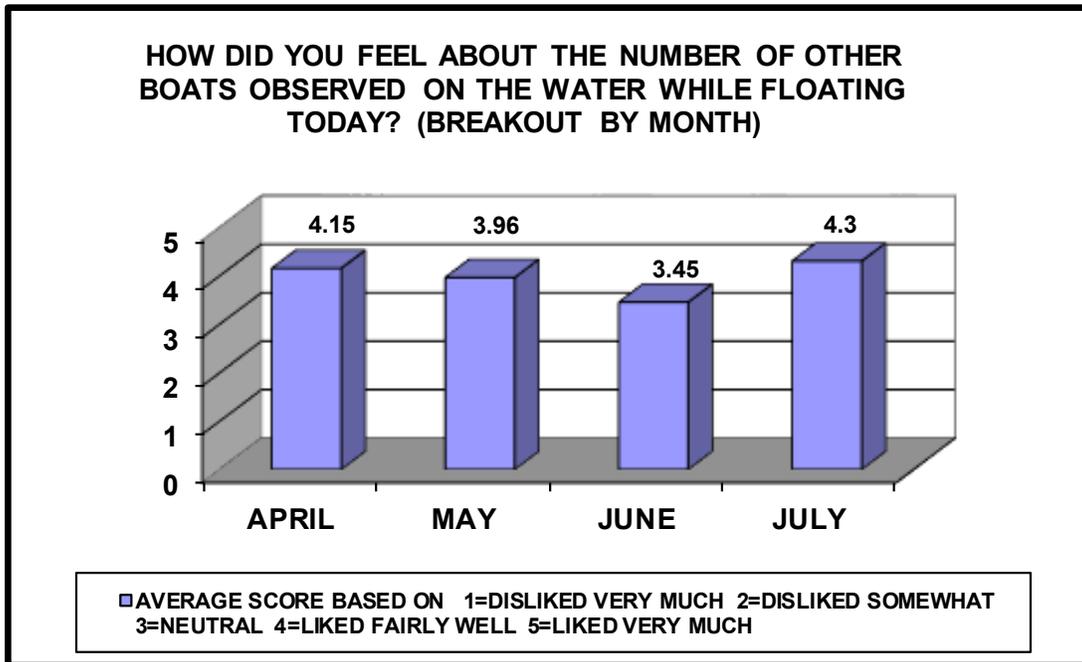
GRAPH 6: FLOATER PERCEPTION OF NUMBER OF BOATS SEEN PER HOUR



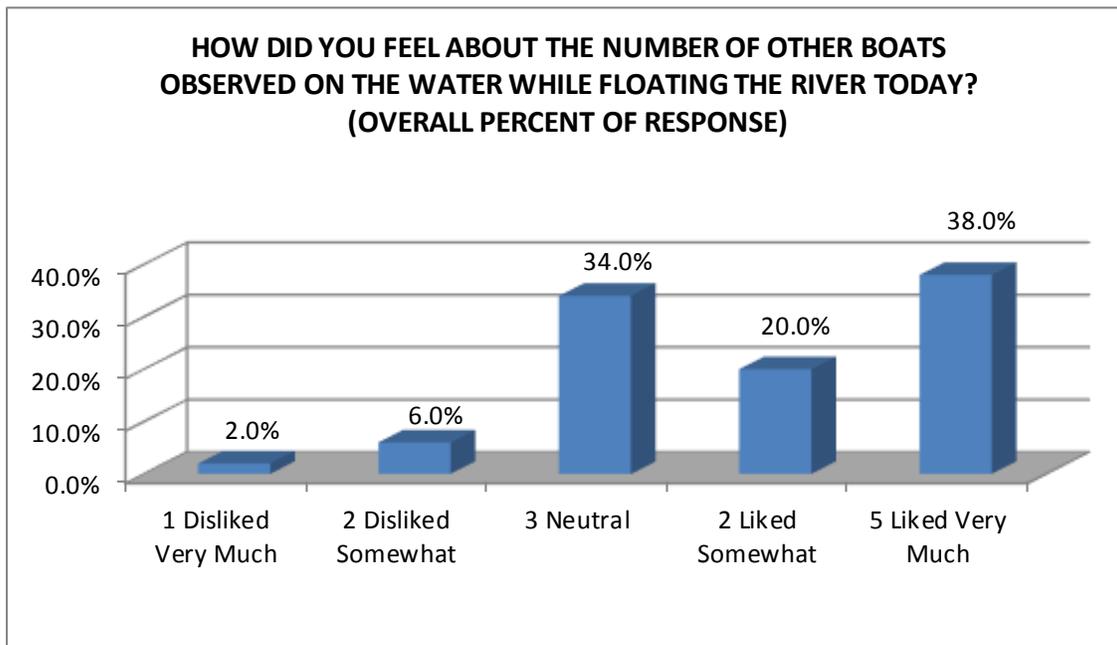
GRAPH 7: FLOATER PERCEPTION OF NUMBER OF BOATS SEEN PER MILE

Question: How did you feel about the **number** of other boats observed **on the water** while floating the river today?

Beginning in 2010, FWP implemented the new social indicator of encounters with other boats while on the river. This indicator has become the basis for assessing floater satisfaction with the overall level of solitude. The corresponding standard, that defines the appropriate satisfaction level with solitude, has not yet been determined.

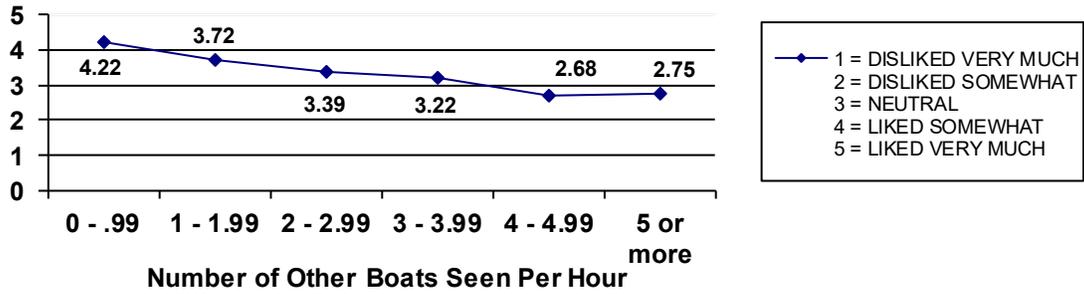


GRAPH 8: FLOATER PERCEPTION OF NUMBER OF BOATS SEEN PER DAY



GRAPH 9: FLOATER PERCEPTION OF NUMBER OF BOATS SEEN PER DAY – OVERALL PERCENT OF RESPONSE

HOW DID YOU FEEL ABOUT THE NUMBER OF OTHER BOATS OBSERVED ON THE WATER WHILE FLOATING THE RIVER TODAY? (OVERALL RESPONSE - PER HOUR)



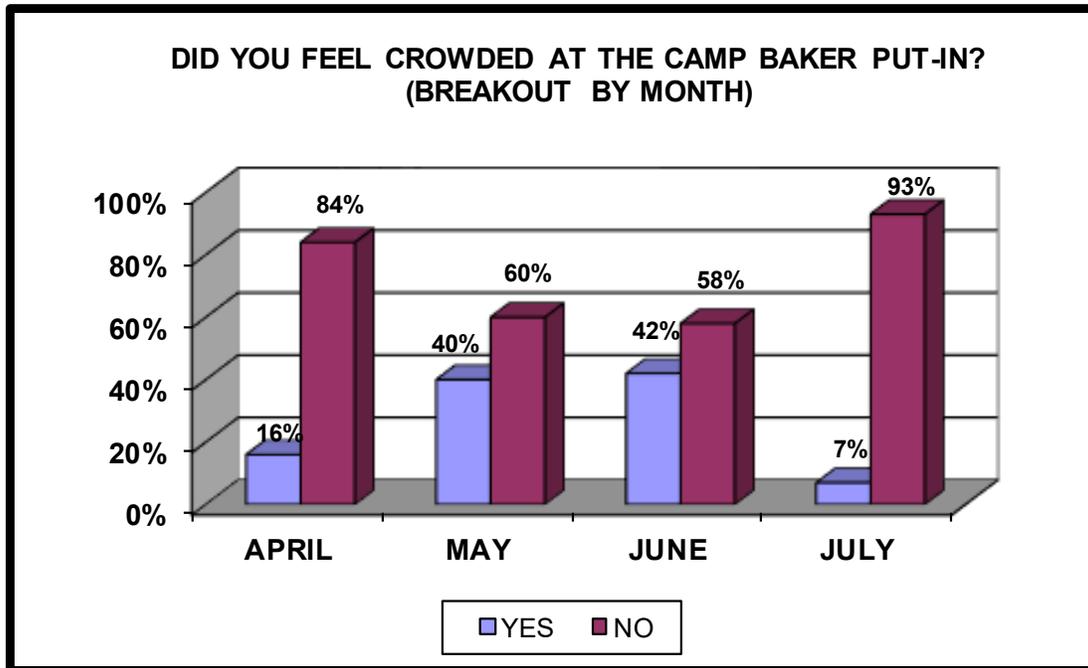
*Only 8% of respondents reported seeing 3 or more boats per hour

GRAPH 10: FLOATER PERCEPTION OF NUMBER OF BOATS SEEN PER DAY – OVERALL RESPONSE PER HOUR

Written responses to questions 1, 2, 5 and 7 of the floater logs are contained verbatim in the 2017 Floater Log Comments document.

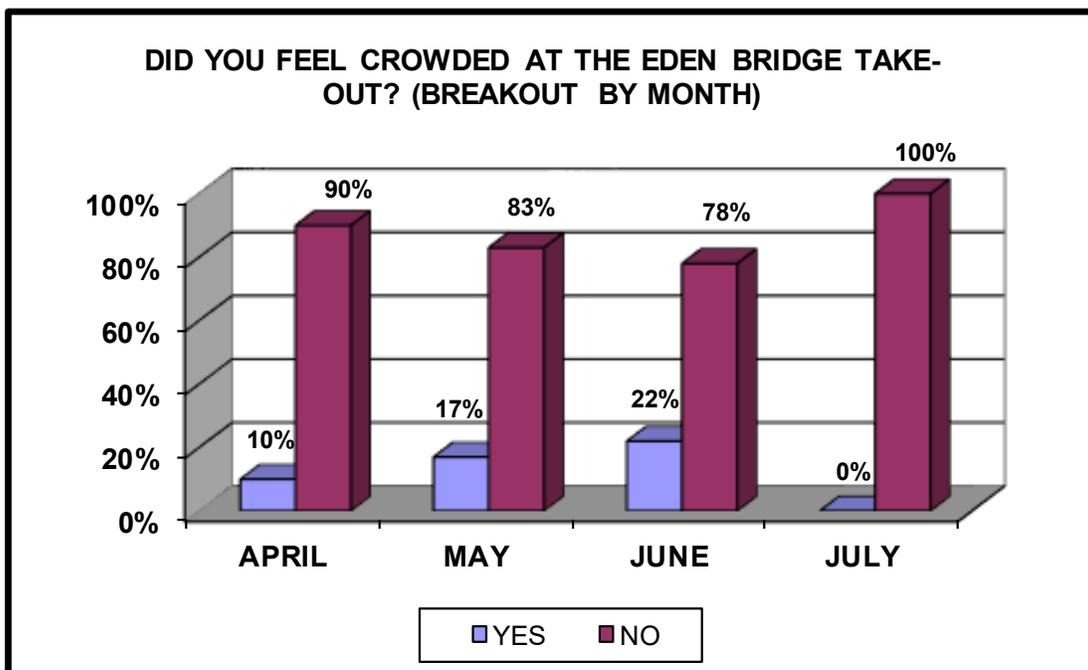


Question #3: Did you feel crowded at the put-in? Yes or No



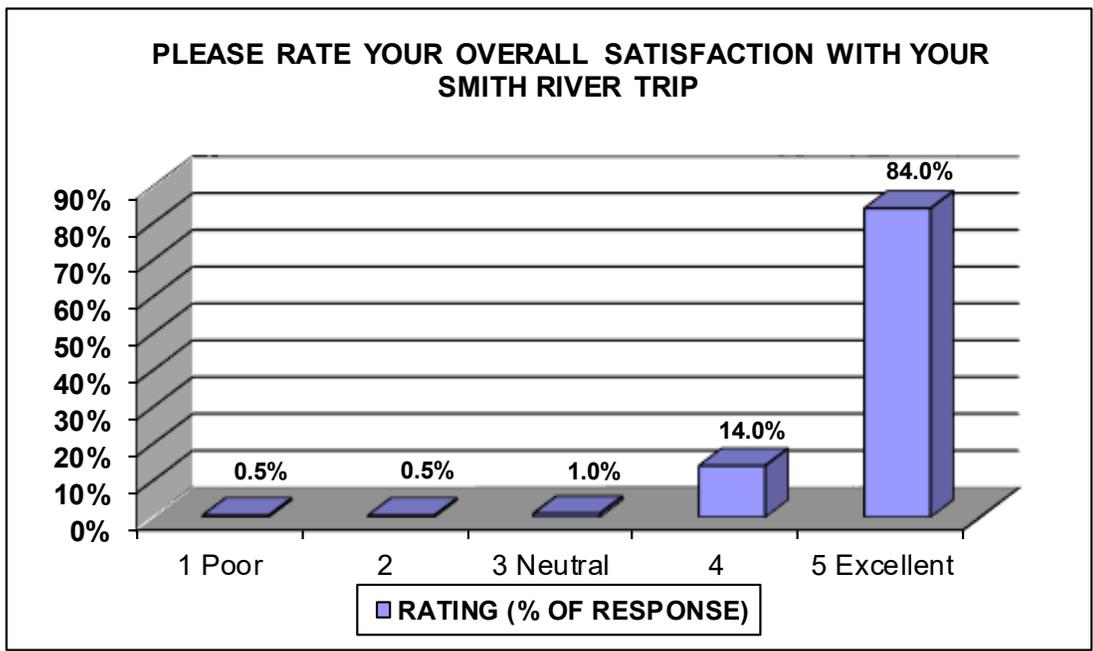
GRAPH 11: FLOATER PERCEPTION OF FEELING CROWDED AT CAMP BAKER PUT-IN

Question #4: Did you feel crowded at the take-out? Yes or No



GRAPH 12: FLOATER PERCEPTION OF FEELING CROWDED AT EDEN BRIDGE TAKE-OUT

Question # 6: Please rate your overall satisfaction with your Smith River trip.



GRAPH 13: FLOATER OVERALL SATISFACTION WITH SMITH RIVER TRIP



2017 BOAT CAMP GROUP USE

BOAT CAMP	RIVER MILE	LAND OWNERSHIP	NUMBER OF GROUPS STAYED AT EACH BOAT CAMP	% OF OVERALL USE
UPPER SPRING CREEK	4.4	FWP	0	0.00%
LOWER SPRING CREEK	4.4	FWP	1	0.04%
IN LIEU	5.6	FWP	2	0.08%
UPPER INDIAN SPRINGS	6	USFS	6	0.25%
MIDDLE INDIAN SPRINGS	6	USFS	38	1.60%
LOWER INDIAN SPRINGS	6	USFS	43	1.82%
UPPER ROCK GARDEN	6.8	USFS	67	2.83%
LOWER ROCK GARDEN	6.8	USFS	44	1.86%
ROCK CREEK	8.9	USFS	98	4.14%
UPPER SCOTTY ALLEN	12	USFS	60	2.53%
MIDDLE SCOTTY ALLEN	12	USFS	35	1.48%
LOWER SCOTTY ALLEN	12	USFS	77	3.25%
SYRINGA	15.2	DNRC	87	3.67%
CANYON DEPTH	16.9	USFS	82	3.46%
TWO CREEK	17.8	USFS	37	1.56%
SHEEPWAGON	18.4	USFS	55	2.32%
UPPER COW COULEE	22.8	USFS	67	2.83%
MIDDLE COW COULEE	22.8	USFS	49	2.07%
LOWER COW COULEE	22.8	USFS	6	0.25%
UPPER SUNSET CLIFF	23.6	USFS	58	2.45%
MIDDLE SUNSET CLIFF	23.6	USFS	86	3.63%
LOWER SUNSET CLIFF	23.6	USFS	85	3.59%
COUNTY LINE	25.5	USFS	18	0.76%
UPPER BEAR GULCH	29	USFS	12	0.51%
LOWER BEAR GULCH	29	USFS	28	1.18%
UPPER TROUT CREEK	30.3	FWP	45	1.90%
MIDDLE TROUT CREEK	30.3	FWP	30	1.27%
LOWER TROUT CREEK	30.3	FWP	48	2.03%
CROWSFOOT	32	FWP	65	2.74%
UPPER TABLE ROCK	33.5	USFS	38	1.60%
MIDDLE TABLE ROCK	33.5	USFS	17	0.72%
LOWER TABLE ROCK	33.5	USFS	17	0.72%
UPPER FRAUNHOFER	35.4	USFS	84	3.55%
LOWER FRAUNHOFER	35.4	USFS	52	2.20%
MEADOW BEND	35.6	FWP	27	1.14%
UPPER PARKER FLAT	37.5	USFS	66	2.79%
PARKER FLAT #1	37.9	FWP	36	1.52%
PARKER FLAT #2	37.9	FWP	8	0.34%
PARKER FLAT #3	37.9	FWP	35	1.48%
DEEP CREEK	38.7	PRIVATE	10	0.42%
PARADISE BEND	39.5	FWP	50	2.11%
STAIGMILLER	44	PRIVATE	31	1.31%
MERGANSE BEND	44.5	FWP	51	2.15%
UPPER BLACK BUTTE	44.8	FWP	39	1.65%
LOWER BLACK BUTTE	44.8	FWP	17	0.72%
UPPER RIDGETOP	45	PRIVATE	81	3.42%
MIDDLE RIDGETOP	45	PRIVATE	63	2.66%
LOWER RIDGETOP	45	PRIVATE	81	3.42%
UPPER GIVENS GULCH	47.2	PRIVATE	11	0.46%
LOWER GIVENS GULCH	47.2	PRIVATE	86	3.63%
UPPER RATTLESNAKE	47.4	PRIVATE	75	3.17%
LOWER RATTLESNAKE	47.4	PRIVATE	65	2.74%
TOTALS			2369	100.00%
	BOATCAMP LAND DISTRIBUTION			
	# OF SITES	SITES OWNED BY	% OF TOTAL SITES	
	15	FWP	29%	
	1	DNRC	2%	
	9	PRIVATE	17%	
	27	USFS	52%	
	52		100%	

2017 SMITH RIVER USE STATISTICS BREAKDOWN BY MONTH

MONTH	APRIL	APRIL BEAKDOWN ON TOTAL % OF APRIL USE	APRIL % OF OVERALL TOTAL SEASON USE	MAY	MAY BEAKDOWN ON TOTAL % OF MAY USE	MAY % OF OVERALL TOTAL SEASON USE	JUNE	JUNE BEAKDOWN ON TOTAL % OF JUNE USE	JUNE % OF OVERALL TOTAL SEASON USE	JULY	JULY BEAKDOWN ON TOTAL % OF JULY USE	JULY % OF OVERALL TOTAL SEASON USE
# OF FLOATERS-PRIVATE	635	97.09%	13.60%	1754	87.35%	37.56%	2010	76.66%	43.04%	257	87.71%	5.50%
# OF FLOATERS - OUTFITTED	0	0.00%	0.00%	173	8.62%	24.82%	509	19.41%	73.03%	15	5.12%	2.15%
# OF FLOATERS - ADMIN	19	2.91%	17.76%	30	1.49%	28.04%	39	1.49%	36.45%	11	3.75%	10.28%
# OF FLOATERS WAIVED	0	0.00%	0.00%	0	0.00%	0.00%	0	0.00%	0.00%	0	0.00%	0.00%
# OF FLOATERS LANDOWNER	0	0.00%	0.00%	23	1.15%	60.53%	9	0.34%	23.68%	6	2.05%	15.79%
# OF FLOATERS LANDOWNER NON IMMEDIATE FAMILY	0	0.00%	0.00%	28	1.39%	32.18%	55	2.10%	63.22%	4	1.37%	4.60%
# OF FLOATERS - TOTAL	654	100.00%	11.68%	2008	100.00%	35.86%	2622	100.00%	46.83%	293	100.00%	5.23%
# OF GROUPS - PRIVATE	125	96.15%	20.97%	216	87.10%	36.24%	209	77.41%	35.07%	43	86.00%	7.21%
# OF GROUPS - OUTFITTED	0	0.00%	0.00%	15	6.05%	27.78%	38	14.07%	70.37%	1	2.00%	1.85%
# OF GROUPS - ADMIN	5	3.85%	18.52%	7	2.82%	25.93%	10	3.70%	37.04%	3	6.00%	11.11%
# OF GROUPS-WAIVED	0	0.00%	0.00%	0	0.00%	0.00%	0	0.00%	0.00%	0	0.00%	0.00%
# OF GROUPS-LANDOWNER	0	0.00%	0.00%	6	2.42%	60.00%	2	0.74%	20.00%	2	4.00%	20.00%
# OF GROUPS-LANDOWNER NON IMMEDIATE FAMILY	0	0.00%	0.00%	4	1.61%	25.00%	11	4.07%	68.75%	1	2.00%	6.25%
# OF GROUPS - TOTAL	130	100.00%	18.49%	248	100.00%	35.28%	270	100.00%	38.41%	50	100.00%	7.11%
USER DAYS - PRIVATE	2727	97.57%	12.85%	7474	88.90%	35.21%	9343	77.77%	44.02%	1611	85.37%	7.59%
USER DAYS - OUTFITTED	0	0.00%	0.00%	778	9.25%	22.56%	2445	20.35%	70.91%	225	11.92%	6.53%
USER DAYS - ADMIN	68	2.43%	16.71%	104	1.24%	25.55%	162	1.35%	39.80%	41	2.17%	10.07%
USER DAYS - WAIVED	0	0.00%	0.00%	0	0.00%	0.00%	0	0.00%	0.00%	0	0.00%	0.00%
USER DAYS - LANDOWNER	0	0.00%	0.00%	23	0.27%	60.53%	9	0.07%	23.68%	6	0.32%	15.79%
USER DAYS - LANDOWNER NON IMMEDIATE FAMILY	0	0.00%	0.00%	28	0.33%	32.18%	55	0.46%	63.22%	4	0.21%	4.60%
USER DAYS - TOTAL	2795	100.00%	11.09%	8407	100.00%	33.35%	12014	100.00%	47.67%	1887	100.00%	7.49%
USER NIGHTS - PRIVATE	2168	97.88%	13.00%	5934	89.73%	35.58%	7503	77.87%	44.98%	1019	90.34%	6.11%
USER NIGHTS - OUTFITTED	0	0.00%	0.00%	620	9.38%	22.95%	2003	20.79%	74.13%	79	7.00%	2.92%
USER NIGHTS - ADMIN	47	2.12%	16.26%	59	0.89%	20.42%	129	1.34%	44.64%	30	2.66%	10.38%
USER NIGHTS - WAIVED	0	0.00%	0.00%	0	0.00%	0.00%	0	0.00%	0.00%	0	0.00%	0.00%
USER NIGHTS - TOTAL	2215	100.00%	11.26%	6613	100.00%	33.62%	9635	100.00%	48.98%	1128	100.00%	5.73%
AVG DAYS/GROUP - PRIVATE	4.29			4.26			4.65			6.27		
AVG DAYS/GROUP - OUTFITTED	0.00			4.50			4.80			15.00		
AVG DAYS/GROUP - ADM	3.58			3.47			4.15			3.73		
AVG DAYS/GROUP - TOTAL	4.27			4.27			4.67			6.63		
AVG # FLOATERS/GROUP - PRIVATE	5.08			8.12			9.62			5.98		
AVG # FLOATERS/GROUP - OUTFITTED	0.00			11.53			13.39			15.00		
AVG # FLOATERS/GROUP - ADM	3.80			4.29			3.90			3.67		
AVG # FLOATERS/GROUP - WAIVED	0.00			0.00			0.00			0.00		
AVG # FLOATERS/GROUP - LANDOWNER	0.00			3.83			4.50			3.00		
AVG # FLOATERS/GROUPS - LANDOWNER NON IMMEDIATE FAMI	0.00			7.00			5.00			4.00		
AVG # FLOATERS/GROUP - TOTAL	5.03			8.10			9.71			5.86		
# OF RAFTS	273	81.98%	13.31%	754	82.68%	36.76%	390	62.50%	19.02%	80	47.34%	3.90%
# OF CANOES	29	8.71%	1.41%	39	4.28%	1.90%	40	6.41%	1.95%	53	31.36%	2.58%
# OF DRIFT BOATS	17	5.11%	0.83%	58	6.36%	2.83%	56	8.97%	2.73%	0	0.00%	0.00%
# OF KAYAK	14	4.20%	0.68%	61	6.69%	2.97%	138	22.12%	6.73%	36	21.30%	1.76%
# OF OTHER TYPE CRAFT	0	0.00%	0.00%	0	0.00%	0.00%	0	0.00%	0.00%	0	0.00%	0.00%
TOTAL NUMBER OF CRAFT	333	100.00%	16.24%	912	100.00%	44.47%	624	100.00%	30.42%	169	100.00%	8.24%
TOTAL PRIVATE CRAFT	320	96.10%	12.35%	797	87.39%	30.76%	896	143.59%	34.58%	144	85.21%	5.56%
TOTAL OUTFITTED CRAFT	0	0.00%	0.00%	81	8.88%	3.13%	219	35.10%	8.45%	7	4.14%	0.27%
TOTAL ADM CRAFT	13	3.90%	0.50%	16	1.75%	0.62%	22	3.53%	0.85%	7	4.14%	0.27%
TOTAL WAIVED CRAFT	0	0.00%	0.00%	0	0.00%	0.00%	0	0.00%	0.00%	0	0.00%	0.00%
TOTAL LANDOWNER CRAFT	0	0.00%	0.00%	7	0.77%	0.27%	6	0.96%	0.23%	6	3.55%	0.23%
TOTAL LANDOWNER NON IMMEDIATE FAMILY CRAFT	0	0.00%	0.00%	11	1.21%	0.42%	21	3.37%	0.81%	5	2.96%	0.19%
TOTAL CRAFT	333	100.00%	12.85%	912	100.00%	35.20%	1164	186.54%	44.92%	169	100.00%	6.52%
AVG # OF CRAFT - PRIVATE GROUP	2.56			3.69			4.29			3.35		
AVG # OF CRAFT - OUTFITTED GROUP	0.00			5.40			5.76			7.00		
AVG # OF CRAFT - ADMIN GROUP	2.60			2.29			2.20			2.33		
AVG # OF CRAFT - WAIVED	0.00			0.00			0.00			0.00		
AVG # OF CRAFT - LANDOWNER	0.00			1.17			3.00			3.00		
AVG # OF CRAFT - LANDOWNER NON IMMEDIATE FAMILY	0.00			2.75			1.91			5.00		
AVG # OF CRAFT/GROUP - TOTAL	2.56			3.68			4.31			3.38		

2017 SMITH RIVER USE STATISTICS BREAKDOWN BY MONTH

MONTH	AUG	AUG BEAKDOWN ON TOTAL % OF AUG USE	AUG % OF OVERALL TOTAL SEASON USE	SEPT	SEPT BEAKDOWN ON TOTAL % OF SEPT USE	SEPT % OF OVERALL TOTAL SEASON USE	OCT	OCT BEAKDOWN ON TOTAL % OF OCT USE	OCT % OF OVERALL TOTAL SEASON USE	TOTAL	TOTAL PERCENT
# OF FLOATERS - PRIVATE	0	0.00%	0.00%	0	0.00%	0.00%	14	63.64%	0.30%	4670	83.41%
# OF FLOATERS - OUTFITTED	0	0.00%	0.00%	0	0.00%	0.00%	0	0.00%	0.00%	697	12.45%
# OF FLOATERS - ADMIN	0	0.00%	0.00%	0	0.00%	0.00%	8	36.36%	7.48%	107	1.91%
# OF FLOATERS WAIVED	0	0.00%	0.00%	0	0.00%	0.00%	0	0.00%	0.00%	0	0.00%
# OF FLOATERS LANDOWNER	0	0.00%	0.00%	0	0.00%	0.00%	0	0.00%	0.00%	38	0.68%
# OF FLOATERS LANDOWNER NON IMMEDIATE FAMILY	0	0.00%	0.00%	0	0.00%	0.00%	0	0.00%	0.00%	87	1.55%
# OF FLOATERS - TOTAL	0	0.00%	0.00%	0	0.00%	0.00%	22	100.00%	0.39%	5599	100.00%
# OF GROUPS - PRIVATE	0	0.00%	0.00%	0	0.00%	0.00%	3	60.00%	0.50%	596	84.78%
# OF GROUPS - OUTFITTED	0	0.00%	0.00%	0	0.00%	0.00%	0	0.00%	0.00%	54	7.68%
# OF GROUPS - ADMIN	0	0.00%	0.00%	0	0.00%	0.00%	2	40.00%	7.41%	27	3.84%
# OF GROUPS - WAIVED	0	0.00%	0.00%	0	0.00%	0.00%	0	0.00%	0.00%	0	0.00%
# OF GROUPS - LANDOWNER	0	0.00%	0.00%	0	0.00%	0.00%	0	0.00%	0.00%	10	1.42%
# OF GROUPS - LANDOWNER NON IMMEDIATE FAMILY	0	0.00%	0.00%	0	0.00%	0.00%	0	0.00%	0.00%	16	2.28%
# OF GROUPS - TOTAL	0	0.00%	0.00%	0	0.00%	0.00%	5	100.00%	0.71%	703	100.00%
USER DAYS - PRIVATE	0	0.00%	0.00%	0	0.00%	0.00%	70	68.63%	0.33%	21225	84.21%
USER DAYS - OUTFITTED	0	0.00%	0.00%	0	0.00%	0.00%	0	0.00%	0.00%	3448	13.68%
USER DAYS - ADMIN	0	0.00%	0.00%	0	0.00%	0.00%	32	31.37%	7.86%	407	1.61%
USER DAYS - WAIVED	0	0.00%	0.00%	0	0.00%	0.00%	0	0.00%	0.00%	0	0.00%
USER DAYS - LANDOWNER	0	0.00%	0.00%	0	0.00%	0.00%	0	0.00%	0.00%	38	0.15%
USER DAYS - LANDOWNER NON IMMEDIATE FAMILY	0	0.00%	0.00%	0	0.00%	0.00%	0	0.00%	0.00%	87	0.35%
USER DAYS - TOTAL	0	0.00%	0.00%	0	0.00%	0.00%	102	100.00%	0.40%	25205	100.00%
USER NIGHTS - PRIVATE	0	0.00%	0.00%	0	0.00%	0.00%	56	70.00%	0.34%	16680	84.79%
USER NIGHTS - OUTFITTED	0	0.00%	0.00%	0	0.00%	0.00%	0	0.00%	0.00%	2702	13.74%
USER NIGHTS - ADMIN	0	0.00%	0.00%	0	0.00%	0.00%	24	30.00%	8.30%	289	1.47%
USER NIGHTS - WAIVED	0	0.00%	0.00%	0	0.00%	0.00%	0	0.00%	0.00%	0	0.00%
USER NIGHTS - TOTAL	0	0.00%	0.00%	0	0.00%	0.00%	80	100.00%	0.41%	19671	100.00%
AVG DAYS/GROUP - PRIVATE	0.00			0.00			5.00			4.54	
AVG DAYS/GROUP - OUTFITTED	0.00			0.00			0.00			4.95	
AVG DAYS/GROUP - ADM	0.00			0.00			4.00			3.80	
AVG DAYS/GROUP - TOTAL	0.00			0.00			4.64			4.58	
AVG # FLOATERS/GROUP - PRIVATE	0.00			0.00			4.67			7.84	
AVG # FLOATERS/GROUP - OUTFITTED	0.00			0.00			0.00			12.91	
AVG # FLOATERS/GROUP - ADM	0.00			0.00			4.00			3.96	
AVG # FLOATERS/GROUP - WAIVED	0.00			0.00			0.00			0.00	
AVG # FLOATERS/GROUP - LANDOWNER	0.00			0.00			0.00			3.80	
AVG # FLOATERS/GROUPS - LANDOWNER NON IMMEDIATE FAMILY	0.00			0.00			0.00			5.44	
AVG # FLOATERS/GROUP - TOTAL	0.00			0.00			4.40			7.96	
# OF RAFTS	0	0.00%	0.00%	0	0.00%	0.00%	10	76.92%	0.49%	1507	73.48%
# OF CANOES	0	0.00%	0.00%	0	0.00%	0.00%	3	23.08%	0.15%	164	8.00%
# OF DRIFT BOATS	0	0.00%	0.00%	0	0.00%	0.00%	0	0.00%	0.00%	131	6.39%
# OF KAYAK	0	0.00%	0.00%	0	0.00%	0.00%	0	0.00%	0.00%	249	12.14%
# OF OTHER TYPE CRAFT	0	0.00%	0.00%	0	0.00%	0.00%	0	0.00%	0.00%	0	0.00%
TOTAL NUMBER OF CRAFT	0	0.00%	0.00%	0	0.00%	0.00%	13	100.00%	0.63%	2051	100.00%
TOTAL PRIVATE CRAFT	0	0.00%	0.00%	0	0.00%	0.00%	9	69.23%	0.35%	2166	105.61%
TOTAL OUTFITTED CRAFT	0	0.00%	0.00%	0	0.00%	0.00%	0	0.00%	0.00%	307	14.97%
TOTAL ADM CRAFT	0	0.00%	0.00%	0	0.00%	0.00%	4	30.77%	0.15%	62	3.02%
TOTAL WAIVED CRAFT	0	0.00%	0.00%	0	0.00%	0.00%	0	0.00%	0.00%	0	0.00%
TOTAL LANDOWNER CRAFT	0	0.00%	0.00%	0	0.00%	0.00%	0	0.00%	0.00%	19	0.93%
TOTAL LANDOWNER NON IMMEDIATE FAMILY CRAFT	0	0.00%	0.00%	0	0.00%	0.00%	0	0.00%	0.00%	37	1.80%
TOTAL CRAFT	0	0.00%	0.00%	0	0.00%	0.00%	13	100.00%	0.50%	2591	126.33%

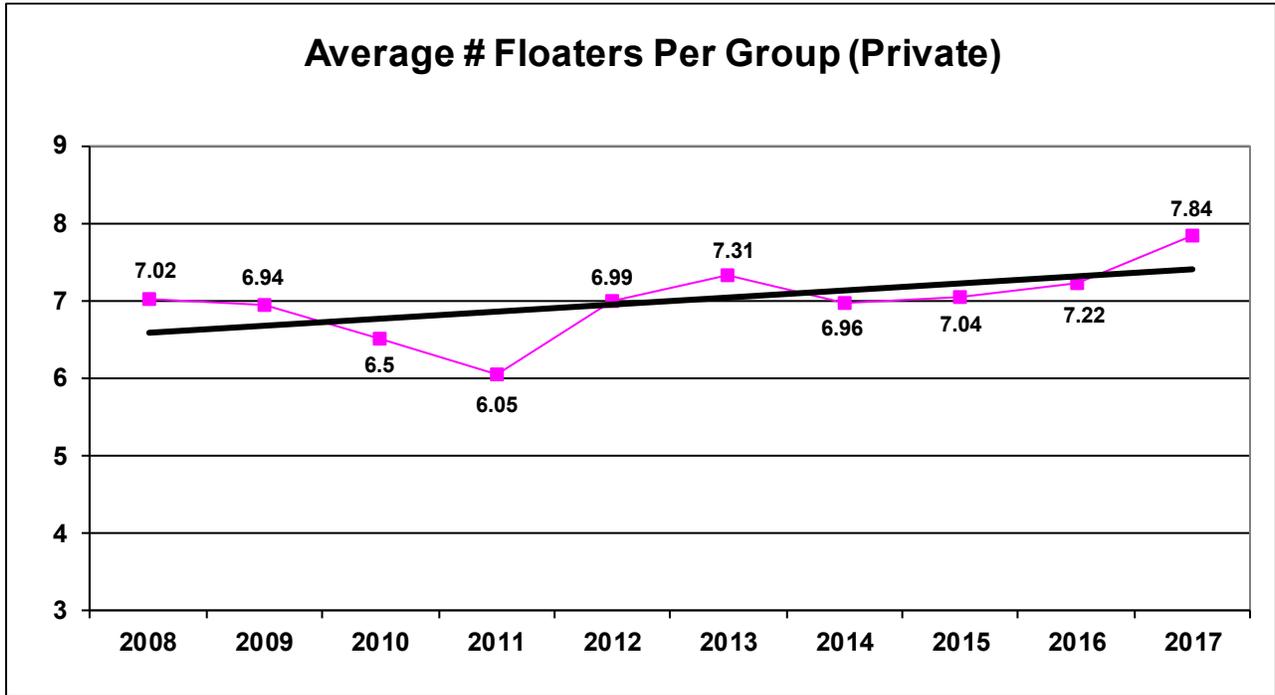
SMITH RIVER TREND STATISTICS (1998-2017)

YEAR	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	AVERAGE
# OF FLOATERS-PRIVATE	3,507	3,396	1,878	1,678	2,798	3,065	3,187	3,197	3,894	3,567	3,931	4,311	3,986	3,259	3,962	3,883	4,684	3,781	4,367	4,670	3,550
# OF FLOATERS - GUIDED	621	669	602	505	626	452	517	573	638	632	710	478	496	445	504	509	518	432	611	697	562
# OF FLOATERS - ADMIN	52	55	49	32	59	85	48	37	51	38	66	91	63	89	49	79	87	71	92	107	65
# OF FLOATERS WAIVED	NA	NA	21	0	0	0	0	0	12	0	0	0	9	0	9	11	0	0	0	0	3
# OF FLOATERS LANDOWNER	NA	NA	17	21	12	42	40	47	67	19	54	105	47	67	41	18	35	35	59	38	42
# OF FLOATERS LANDOWNER NON IMMEDIATE FAMILY	NA	NA	29	26	46	70	63	87	74	73	75	93	98	139	149	88	51	36	64	87	75
# OF FLOATERS - TOTAL	4,180	4,120	2,596	2,262	3,541	3,714	3,855	3,941	4,736	4,329	4,836	5,078	4,699	3,999	4,714	4,588	5,375	4,355	5,193	5,599	4,286
# OF GROUPS - PRIVATE	585	511	340	291	450	450	503	526	582	507	560	621	613	539	567	531	673	537	605	596	529
# OF GROUPS - GUIDED	53	56	49	42	48	37	46	48	52	48	54	39	42	40	43	40	40	36	47	54	46
# OF GROUPS - ADMIN	NA	17	13	13	20	18	16	12	13	13	22	21	19	24	17	21	22	19	25	27	19
# OF GROUPS-WAIVED	NA	NA	2	0	0	0	0	0	1	0	0	0	1	0	1	1	0	0	0	0	0
# OF GROUPS-LANDOWNER	NA	NA	3	4	3	11	12	14	16	5	8	20	11	16	8	5	9	8	15	10	10
# OF GROUPS-LANDOWNER NON IMMEDIATE FAMILY	NA	NA	5	5	9	12	10	18	10	13	12	13	17	21	22	14	7	7	11	16	12
# OF GROUPS - TOTAL	638	584	412	355	530	528	587	618	674	586	656	714	703	640	658	612	751	607	703	703	613
USER DAYS - PRIVATE	14,848	14,230	8,096	7,657	12,340	13,673	13,867	14,278	17,307	15,517	17,317	18,916	17,447	14,971	17,266	17,460	21,339	17,417	20,366	21,225	15,777
USER DAYS - GUIDED	3,026	3,418	2,984	2,490	3,129	2,205	2,429	2,860	3,168	3,155	3,539	2,390	2,469	2,185	2,521	2,419	2,557	2,154	3,032	3,448	2,779
USER DAYS - ADMIN	NA	238	228	127	195	377	215	157	222	171	243	320	236	300	178	307	386	261	283	407	255
USER DAYS - WAIVED	NA	NA	96	0	0	0	0	0	60	0	0	0	45	0	36	55	0	0	0	0	16
USER DAYS - LANDOWNER	NA	NA	17	21	12	42	40	47	67	19	58	105	47	67	26	18	35	35	59	38	42
USER DAYS - LANDOWNER NON IMMEDIATE FAMILY	NA	NA	29	26	46	70	63	87	74	73	72	93	98	139	149	88	51	36	64	87	75
USER DAYS - TOTAL	17,874	17,886	11,450	10,321	15,722	16,367	16,614	17,429	20,898	18,935	21,229	21,824	20,342	17,662	20,176	20,347	24,368	19,903	23,804	25,205	18,918
USER NIGHTS - PRIVATE	11,088	10,968	6,191	5,995	10,141	10,636	10,502	11,078	13,288	11,938	13,502	14,856	13,490	11,112	13,722	13,582	16,613	13,559	15,887	16,680	12,241
USER NIGHTS - GUIDED	2,358	2,715	2,328	1,960	2,256	1,777	1,796	2,432	2,393	2,611	2,797	1,847	1,973	1,745	2,005	1,902	2,029	1,686	2,408	2,702	2,186
USER NIGHTS - ADMIN	NA	165	179	97	178	298	176	121	167	134	199	148	177	213	129	228	297	192	217	289	190
USER NIGHTS - WAIVED	NA	NA	63	0	0	0	0	0	48	0	0	0	36	0	27	44	0	0	0	0	12
USER NIGHTS - TOTAL	13,446	13,848	8,761	8,052	12,575	12,711	12,474	13,631	15,896	14,683	16,498	16,851	15,676	13,070	15,883	15,756	18,939	15,437	18,512	19,671	14,619
AVG DAYS/GROUP - PRIVATE	4.23	4.19	4.31	4.56	4.41	4.46	4.35	4.47	4.44	4.35	4.41	4.39	4.38	4.59	4.36	4.50	4.56	4.61	4.66	4.54	4.44
AVG DAYS/GROUP - GUIDED	4.87	5.11	4.96	4.93	5.00	4.88	4.70	4.99	4.97	4.99	4.98	5.00	4.98	4.91	5.00	4.75	4.94	4.99	4.96	4.95	4.94
AVG DAYS/GROUP - ADM	NA	4.33	4.65	3.97	3.31	4.44	4.48	4.24	4.35	4.50	3.68	3.52	3.75	3.37	3.63	3.89	4.44	3.68	3.08	3.80	3.95
AVG DAYS/GROUP - TOTAL	4.28	4.34	4.47	4.64	4.50	4.51	4.40	4.54	4.52	4.45	4.48	4.43	4.44	4.60	4.42	4.52	4.59	4.63	4.67	4.58	4.50
AVG # FLOATERS/GROUP - PRIVATE	5.99	6.65	5.52	5.77	6.22	6.81	6.34	6.08	6.69	7.04	7.02	6.94	6.50	6.05	6.99	7.31	6.96	7.04	7.22	7.84	6.65
AVG # FLOATERS/GROUP - GUIDED	11.72	11.95	12.29	12.02	13.04	12.22	11.24	11.94	12.27	13.17	13.15	12.26	11.81	11.13	11.72	12.73	12.95	12.00	13.00	12.91	12.27
AVG # FLOATERS/GROUP - ADM	NA	3.24	3.77	2.46	2.95	4.72	3.00	3.08	3.92	2.92	3.00	4.33	3.32	3.71	2.88	3.76	3.95	3.74	3.68	3.96	3.49
AVG # FLOATERS/GROUP - WAIVED	NA	NA	10.50	0.00	0.00	0.00	0.00	0.00	12.00	0.00	0.00	0.00	9.00	0.00	9.00	11.00	0.00	0.00	0.00	0.00	2.86
AVG # FLOATERS/GROUP - LANDOWNER	NA	NA	5.67	5.25	4.00	3.82	3.33	3.36	4.19	3.80	6.75	5.25	4.27	4.19	5.13	3.60	3.89	4.38	3.93	3.80	4.37
AVG # FLOATERS/GROUPS - LANDOWNER NON IMMEDIATE FAMILY	NA	NA	5.80	5.20	5.11	5.83	6.30	4.83	7.40	5.62	6.25	7.15	5.76	6.62	6.77	6.29	7.29	5.14	5.82	5.44	6.03
AVG # FLOATERS/GROUP - TOTAL	6.55	7.05	6.30	6.37	6.68	7.03	6.57	6.38	7.03	7.39	7.37	7.11	6.68	6.25	7.16	7.50	7.16	7.17	7.39	7.96	6.96

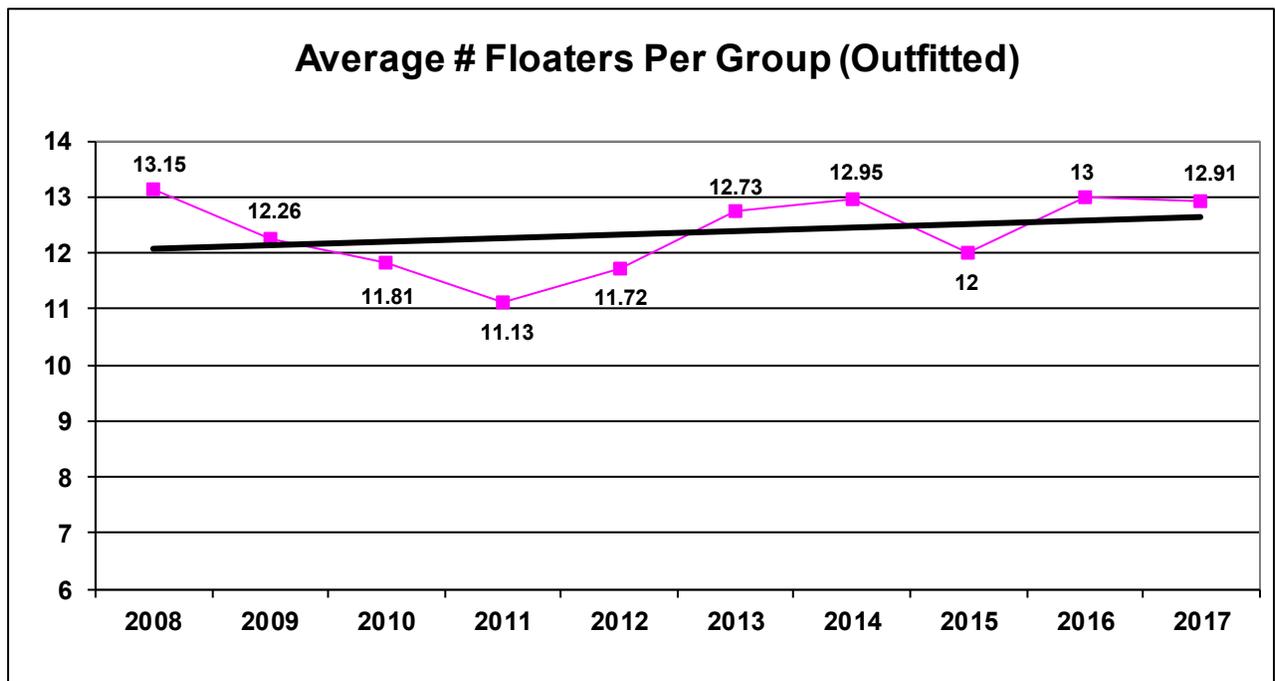
SMITH RIVER TREND STATISTICS CONTINUED (1998-2017)

YEAR	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	AVERAGE
# OF RAFTS	1294	1294	882	759	1101	1245	1237	1311	1560	1545	1693	1766	1624	1552	1651	1829	1965	1701	2009	2047	1,503
# OF CANOES	379	344	224	244	378	276	284	235	259	209	210	200	215	150	155	153	206	185	152	164	231
# OF DRIFT BOATS	97	74	44	37	63	96	86	113	119	128	138	168	163	91	115	86	131	80	118	131	104
# OF KAYAKS	141	99	67	56	151	133	157	133	206	162	184	189	151	174	214	164	204	147	180	249	158
# OF OTHER TYPE CRAFT	8	13	14	24	55	23	56	44	90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36
TOTAL NUMBER OF CRAFT	1919	1824	1231	1120	1748	1773	1820	1836	2234	2044	2225	2323	2153	1967	2135	2232	2506	2113	2459	2591	2,013
TOTAL PRIVATE CRAFT	1604	1490	906	837	1368	1452	1503	1494	1867	1685	1808	2008	1836	1608	1759	1925	2218	1846	2124	2166	1,675
TOTAL GUIDED CRAFT	265	308	269	241	293	209	218	253	240	273	307	195	220	216	240	209	205	191	248	307	245
TOTAL ADM CRAFT	NA	26	28	20	42	45	28	20	33	24	37	42	37	51	34	42	58	46	40	62	38
TOTAL WAIVED CRAFT	NA	NA	9	0	0	0	0	0	3	0	0	0	3	0	3	3	0	0	0	0	1
TOTAL LANDOWNER CRAFT	NA	NA	6	10	6	20	19	20	32	18	28	39	21	28	12	10	12	18	27	19	19
TOTAL LANDOWNER NON IMMEDIATE FAMILY CRAFT	NA	NA	13	12	39	47	52	49	59	44	45	39	36	64	87	43	13	12	20	37	40
AVG # OF CRAFT/PRIVATE GROUP	2.74	2.92	2.66	2.88	3.04	3.23	2.99	2.84	3.21	3.32	3.23	3.23	3.00	2.98	3.10	3.63	3.30	3.44	3.51	3.63	3.14
AVG # OF CRAFT/GUIDED GROUP	5.00	5.50	5.49	5.74	6.10	5.65	4.74	5.27	4.62	5.69	5.69	5.00	5.24	5.40	5.58	5.23	5.13	5.31	5.28	5.69	5.37
AVG # OF CRAFT/ADMIN GROUP	NA	1.53	2.15	1.54	2.10	2.50	1.75	1.67	2.54	1.85	1.68	2.00	1.95	2.13	2.00	2.00	2.64	2.42	1.60	2.30	2.02
AVG # OF CRAFT/WAIVED	NA	NA	4.50	0.00	0.00	0.00	0.00	0.00	3.00	0.00	0.00	0.00	3.00	0.00	3.00	3.00	0.00	0.00	0.00	0.00	0.92
AVG # OF CRAFT/LANDOWNER	NA	NA	2.00	2.50	2.00	1.82	1.58	1.43	2.00	3.60	3.50	1.95	1.91	1.75	1.50	2.00	1.33	2.25	1.80	1.90	2.05
AVG # OF CRAFT/LANDOWNER NON IMMEDIATE FAMILY	NA	NA	2.60	2.40	4.33	3.92	5.20	2.72	5.90	3.38	3.75	3.00	2.12	3.05	3.95	3.07	1.86	1.71	1.82	2.31	3.17
AVG # OF CRAFT/GROUP - TOTAL	3.01	3.12	2.99	3.15	3.30	3.36	3.10	2.97	3.31	3.49	3.39	3.25	3.06	3.07	3.24	3.65	3.34	3.48	3.50	3.69	3.27
OUTFITTED % OF TOTAL GROUPS	8.31%	9.59%	11.89%	11.83%	9.06%	7.01%	7.84%	7.77%	7.72%	8.19%	8.23%	5.46%	5.97%	6.25%	6.53%	6.54%	5.33%	5.93%	6.69%	7.68%	7.69%
OUTFITTED % OF TOTAL FLOATERS	14.86%	16.24%	23.19%	22.33%	17.68%	12.17%	13.41%	14.54%	13.47%	14.60%	14.68%	9.41%	10.56%	11.13%	10.69%	11.09%	9.64%	9.92%	11.77%	12.45%	13.69%
HIGH WATER FLOW LEVEL IN CFS (daily mean)	1480	564	533	447	1080	938	1650	1650	1290	853	1420	1050	2040	3820	1250	1110	1360	886	825	652	1,245
LOW WATER FLOW LEVEL IN CFS (daily mean)	115	75	29	34	63	43	79	100	60	43	85	87	150	151	62	55	102	68	52	51	75

Visitor Use Trends – Average Group Size

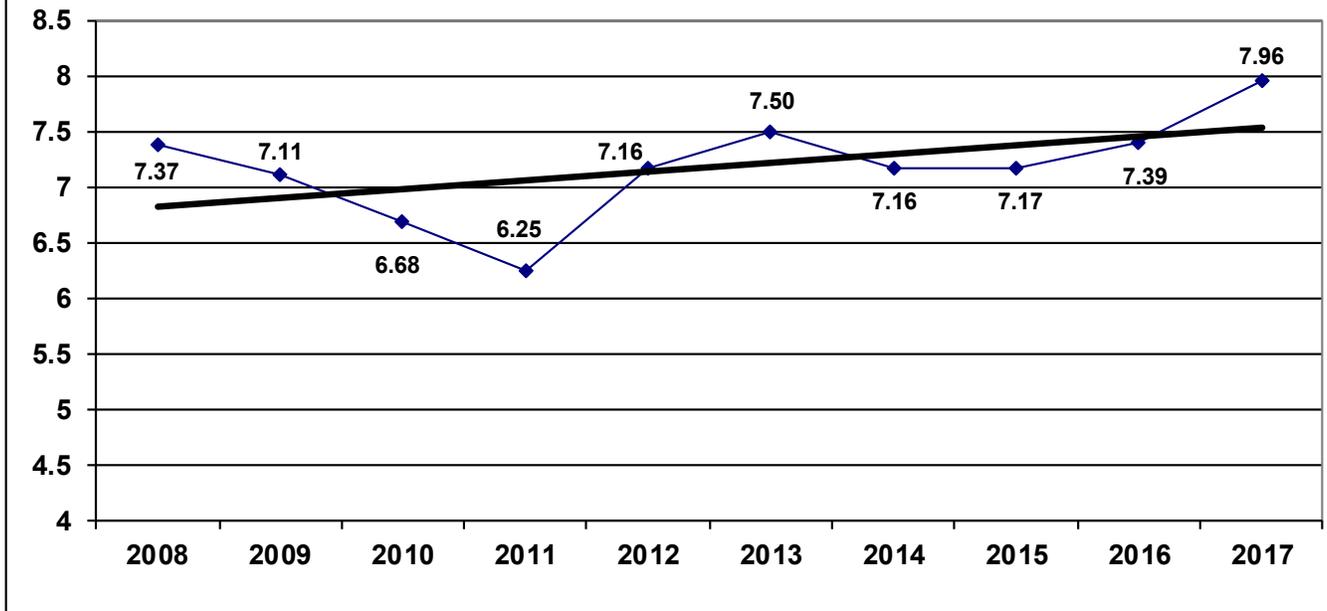


GRAPH 14: AVERAGE GROUP SIZE PER YEAR – PRIVATE GROUPS



GRAPH 15: AVERAGE GROUP SIZE PER YEAR – OUTFITTED GROUPS

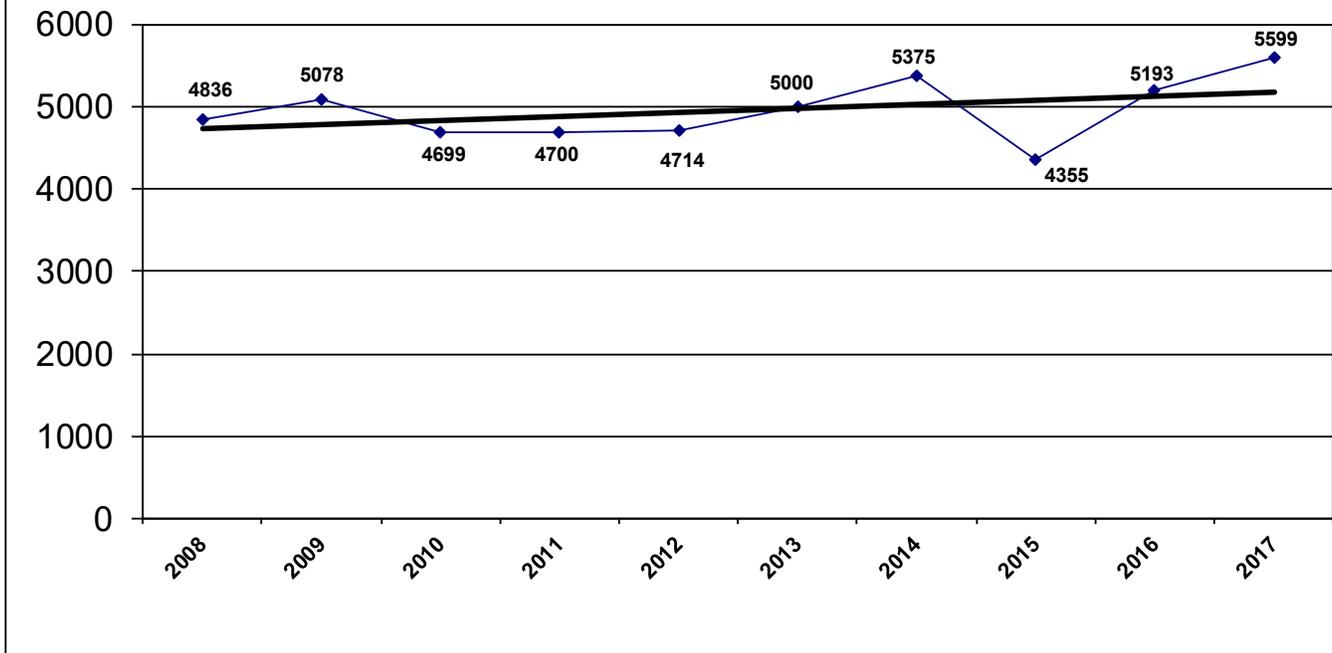
Average # Floaters Per Group (All Groups)



GRAPH 16: AVERAGE GROUP SIZE PER YEAR – ALL GROUPS COMBINED

Visitor Use Trends – Number of Floaters Per Year

Number of Floaters Per Year



GRAPH 17: NUMBER OF FLOATERS PER YEAR

SMITH RIVER DAILY LOG (2017)				
2017	CFS DAILY MEAN	TOTAL NUMBER OF GROUPS ON THE RIVER EACH DAY	TOTAL NUMBER OF PEOPLE ON THE RIVER EACH DAY	AVERAGE NUMBER OF PEOPLE PER GROUP ON THE RIVER EACH DAY
1-Apr	215	7	14	2.00
2-Apr	213	11	33	3.00
3-Apr	209	12	38	3.17
4-Apr	202	13	41	3.15
5-Apr	195	14	50	3.57
6-Apr	196	11	49	4.45
7-Apr	205	13	63	4.85
8-Apr	223	12	60	5.00
9-Apr	232	13	63	4.85
10-Apr	213	11	44	4.00
11-Apr	213	13	48	3.69
12-Apr	218	17	68	4.00
13-Apr	222	19	96	5.05
14-Apr	257	23	125	5.43
15-Apr	255	25	142	5.68
16-Apr	240	18	112	6.22
17-Apr	240	14	77	5.50
18-Apr	238	14	64	4.57
19-Apr	251	15	79	5.27
20-Apr	248	20	112	5.60
21-Apr	263	23	129	5.61
22-Apr	267	22	143	6.50
23-Apr	267	24	138	5.75
24-Apr	271	25	129	5.16
25-Apr	281	25	120	4.80
26-Apr	283	26	130	5.00
27-Apr	289	30	147	4.90
28-Apr	287	30	149	4.97
29-Apr	276	32	162	5.06
30-Apr	276	33	170	5.15
1-May	277	32	186	5.81
2-May	274	27	179	6.63
3-May	270	25	162	6.48
4-May	267	30	213	7.10
5-May	296	30	213	7.10
6-May	390	31	240	7.74
7-May	463	29	230	7.93
8-May	505	27	208	7.70
9-May	493	27	206	7.63
10-May	472	27	204	7.56
11-May	466	33	240	7.27
12-May	487	33	246	7.45
13-May	580	37	285	7.70
14-May	574	33	247	7.48

SMITH RIVER DAILY LOG (2017)

2017	CFS DAILY MEAN	TOTAL NUMBER OF GROUPS ON THE RIVER EACH DAY	TOTAL NUMBER OF PEOPLE ON THE RIVER EACH DAY	AVERAGE NUMBER OF PEOPLE PER GROUP ON THE RIVER EACH DAY
15-May	525	33	235	7.12
16-May	442	33	229	6.94
17-May	424	30	207	6.90
18-May	525	33	267	8.09
19-May	452	36	282	7.83
20-May	399	37	320	8.65
21-May	381	37	335	9.05
22-May	365	34	306	9.00
23-May	347	35	301	8.60
24-May	316	37	314	8.49
25-May	355	37	360	9.73
26-May	370	40	365	9.13
27-May	319	44	400	9.09
28-May	292	42	393	9.36
29-May	275	44	378	8.59
30-May	273	36	321	8.92
31-May	294	37	336	9.08
1-Jun	341	40	378	9.45
2-Jun	364	41	405	9.88
3-Jun	380	42	419	9.98
4-Jun	392	44	433	9.84
5-Jun	443	41	389	9.49
6-Jun	446	41	373	9.10
7-Jun	400	40	370	9.25
8-Jun	382	44	402	9.14
9-Jun	356	42	413	9.83
10-Jun	373	43	443	10.30
11-Jun	333	41	443	10.80
12-Jun	300	38	392	10.32
13-Jun	570	38	411	10.82
14-Jun	632	36	402	11.17
15-Jun	534	38	395	10.39
16-Jun	494	39	409	10.49
17-Jun	478	41	451	11.00
18-Jun	425	40	432	10.80
19-Jun	377	38	397	10.45
20-Jun	334	42	452	10.76
21-Jun	290	44	453	10.30
22-Jun	232	43	439	10.21
23-Jun	210	45	451	10.02
24-Jun	188	43	432	10.05
25-Jun	177	41	414	10.10
26-Jun	157	39	370	9.49
27-Jun	144	37	348	9.41

SMITH RIVER DAILY LOG (2017)

2017	CFS DAILY MEAN	TOTAL NUMBER OF GROUPS ON THE RIVER EACH DAY	TOTAL NUMBER OF PEOPLE ON THE RIVER EACH DAY	AVERAGE NUMBER OF PEOPLE PER GROUP ON THE RIVER EACH DAY
28-Jun	144	33	307	9.30
29-Jun	139	33	314	9.52
30-Jun	134	28	273	9.75
1-Jul	127	29	282	9.72
2-Jul	117	29	262	9.03
3-Jul	113	25	224	8.96
4-Jul	107	24	201	8.38
5-Jul	119	20	155	7.75
6-Jul	117	18	136	7.56
7-Jul	128	19	114	6.00
8-Jul	124	15	85	5.67
9-Jul	118	11	52	4.73
10-Jul	121	11	47	4.27
11-Jul	132	8	33	4.13
12-Jul	125	9	39	4.33
13-Jul	115	7	33	4.71
14-Jul	109	6	31	5.17
15-Jul	106	4	19	4.75
16-Jul	104	6	24	4.00
17-Jul	99	6	23	3.83
18-Jul	92	6	23	3.83
19-Jul	88	6	26	4.33
20-Jul	83	6	28	4.67
21-Jul	73	5	24	4.80
22-Jul	65	3	15	5.00
23-Jul	66	1	4	4.00
24-Jul	62	0	0	0.00
25-Jul	61	0	0	0.00
26-Jul	60	0	0	0.00
27-Jul	62	0	0	0.00
28-Jul	61	0	0	0.00
29-Jul	59	0	0	0.00
30-Jul	59	0	0	0.00
31-Jul	57	0	0	0.00
1-Aug	56	0	0	0.00
2-Aug	56	0	0	0.00
3-Aug	58	0	0	0.00
4-Aug	54	0	0	0.00
5-Aug	56	0	0	0.00
6-Aug	60	0	0	0.00
7-Aug	60	0	0	0.00
8-Aug	53	0	0	0.00
9-Aug	51	0	0	0.00
10-Aug	51	0	0	0.00

SMITH RIVER DAILY LOG (2017)

2017	CFS DAILY MEAN	TOTAL NUMBER OF GROUPS ON THE RIVER EACH DAY	TOTAL NUMBER OF PEOPLE ON THE RIVER EACH DAY	AVERAGE NUMBER OF PEOPLE PER GROUP ON THE RIVER EACH DAY
11-Aug	51	0	0	0.00
12-Aug	53	0	0	0.00
13-Aug	52	0	0	0.00
14-Aug	55	0	0	0.00
15-Aug	55	0	0	0.00
16-Aug	53	0	0	0.00
17-Aug	50	0	0	0.00
18-Aug	48	0	0	0.00
19-Aug	47	0	0	0.00
20-Aug	46	0	0	0.00
21-Aug	51	0	0	0.00
22-Aug	52	0	0	0.00
23-Aug	52	0	0	0.00
24-Aug	50	0	0	0.00
25-Aug	52	0	0	0.00
26-Aug	52	0	0	0.00
27-Aug	50	0	0	0.00
28-Aug	50	0	0	0.00
29-Aug	50	0	0	0.00
30-Aug	52	0	0	0.00
31-Aug	49	0	0	0.00
1-Sep	48	0	0	0.00
2-Sep	47	0	0	0.00
3-Sep	42	0	0	0.00
4-Sep	42	0	0	0.00
5-Sep	45	0	0	0.00
6-Sep	47	0	0	0.00
7-Sep	48	0	0	0.00
8-Sep	47	0	0	0.00
9-Sep	47	0	0	0.00
10-Sep	48	0	0	0.00
11-Sep	51	0	0	0.00
12-Sep	54	0	0	0.00
13-Sep	58	0	0	0.00
14-Sep	70	0	0	0.00
15-Sep	90	0	0	0.00
16-Sep	103	0	0	0.00
17-Sep	104	0	0	0.00
18-Sep	99	0	0	0.00
19-Sep	97	0	0	0.00
20-Sep	96	0	0	0.00
21-Sep	94	0	0	0.00
22-Sep	97	0	0	0.00
23-Sep	105	0	0	0.00
24-Sep	103	0	0	0.00

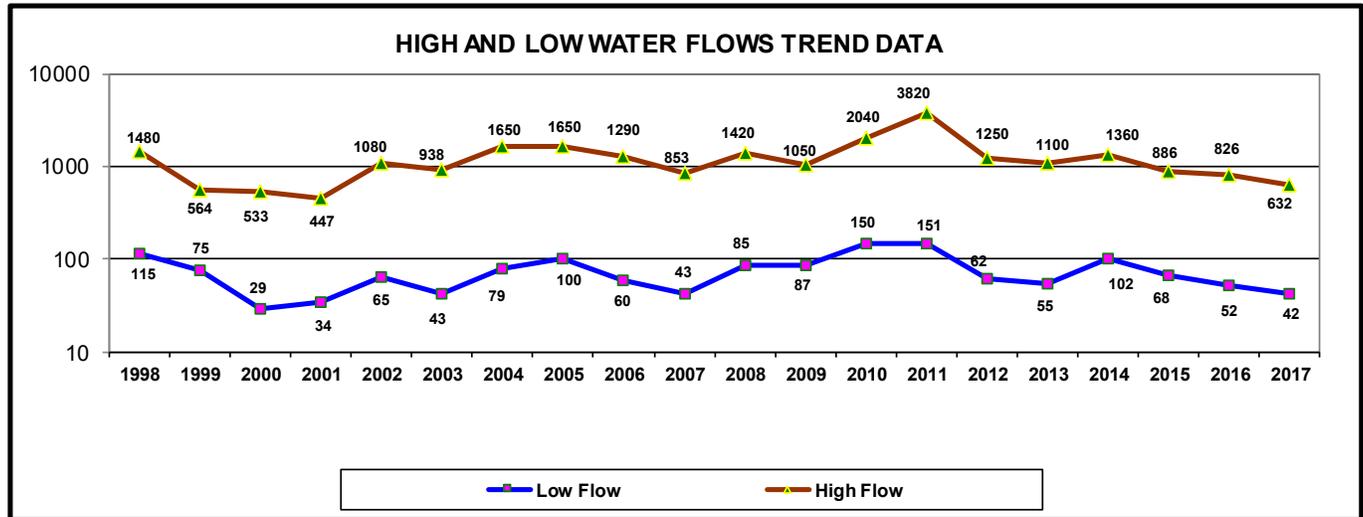
SMITH RIVER DAILY LOG (2017)

2017	CFS DAILY MEAN	TOTAL NUMBER OF GROUPS ON THE RIVER EACH DAY	TOTAL NUMBER OF PEOPLE ON THE RIVER EACH DAY	AVERAGE NUMBER OF PEOPLE PER GROUP ON THE RIVER EACH DAY
25-Sep	99	0	0	0.00
26-Sep	98	0	0	0.00
27-Sep	101	0	0	0.00
28-Sep	99	0	0	0.00
29-Sep	99	0	0	0.00
30-Sep	99	0	0	0.00
1-Oct	100	0	0	0.00
2-Oct	107	1	4	4.00
3-Oct	109	1	4	4.00
4-Oct	106	1	4	4.00
5-Oct	115	1	4	4.00
6-Oct	116	1	4	4.00
7-Oct	113	0	0	0.00
8-Oct	109	0	0	0.00
9-Oct	105	0	0	0.00
10-Oct	103	0	0	0.00
11-Oct	103	2	13	6.50
12-Oct	102	2	13	6.50
13-Oct	102	3	17	5.67
14-Oct	102	3	17	5.67
15-Oct	100	3	17	5.67
16-Oct	102	0	0	0.00
17-Oct	100	0	0	0.00
18-Oct	99	1	1	1.00
19-Oct	98	1	1	1.00
20-Oct	98	1	1	1.00
21-Oct	99	1	1	1.00
22-Oct	98	1	1	1.00
23-Oct	97	0	0	0.00
24-Oct	96	0	0	0.00
25-Oct	98	0	0	0.00
26-Oct	100	0	0	0.00
27-Oct	98	0	0	0.00
28-Oct	101	0	0	0.00
29-Oct	101	0	0	0.00
30-Oct	97	0	0	0.00
31-Oct	84	0	0	0.00

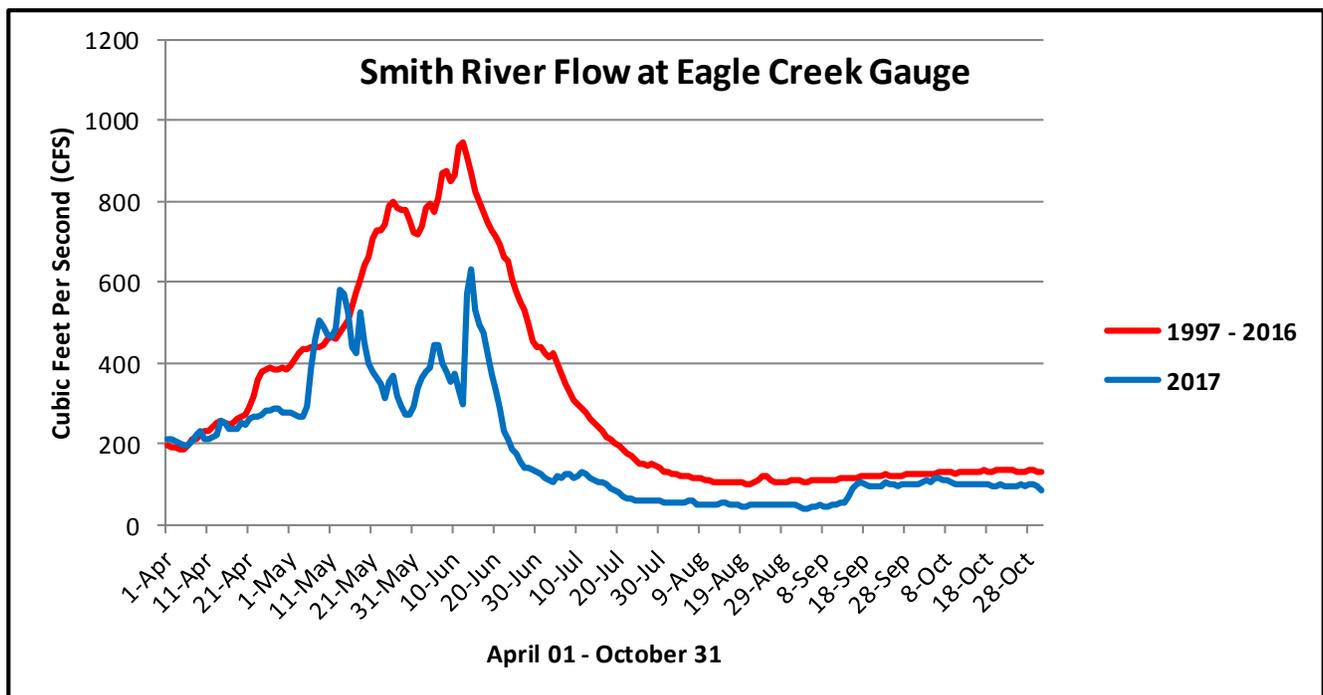
SECTION 4 – RESOURCE AND SOCIAL CONDITIONS

River Flows

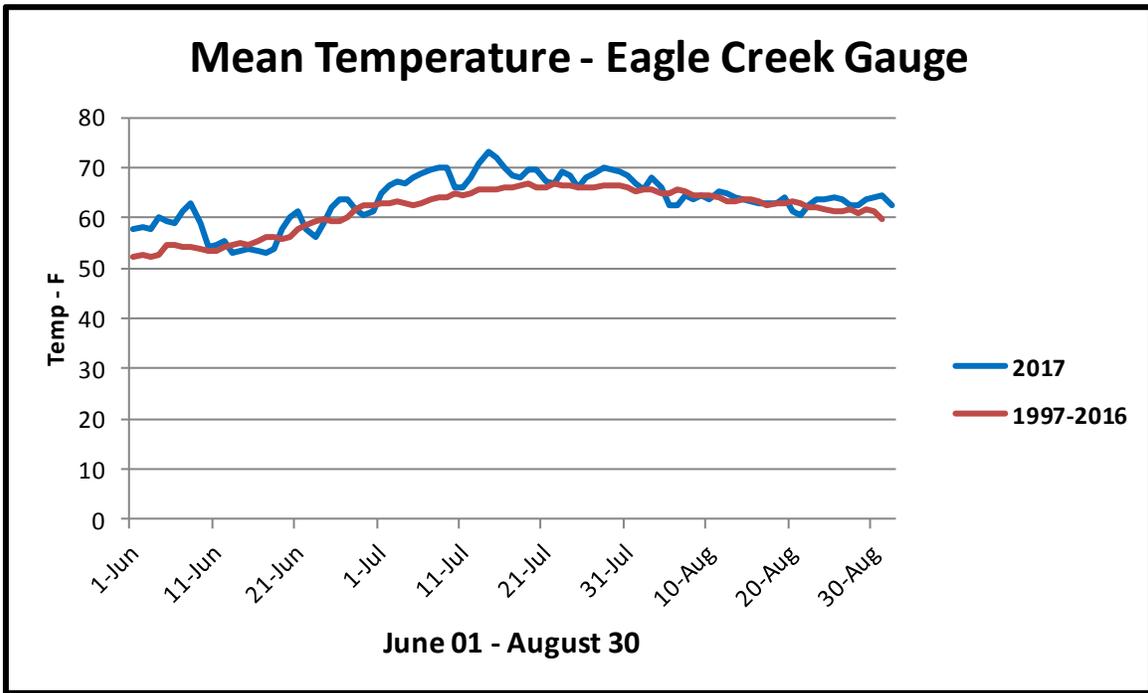
The lowest measured stream flow for the 2017 season was 42 cfs (September 3), while the peak stream flow was 632 cfs (June 14). *High/Low flows represented as daily mean values.*



GRAPH 18: HISTORICAL RIVER FLOW TRENDS



GRAPH 19: APRIL – OCTOBER FLOW COMPARISON OF 2017 TO 1997 – 2016



GRAPH 20: JUNE – AUGUST TEMPERATURE COMPARISON OF 2017 TO 1997 – 2016

