

SMITH RIVER STATE PARK AND RIVER CORRIDOR

Visitor Use & Statistics Monitoring Report

2022



A summary of visitor use statistics, management activities and resource and social conditions on the Smith River corridor during the 2022 field season

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Date: 12/18/23

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Adapt, Improve and Overcome!

SECTION 1 – EXECUTIVE SUMMARY

Snowpack, Rainfall and River Flows

The 2022 float season picked up where the 2021 season left off, with low water. The drought of 2021 continued through the winter of 2022 with below average snowpack and precipitation. The snowpack peaked on May 2nd at 83% of the median peak and there was an obvious lack of low and middle elevation snowpack as early as March. The below average precipitation in March through May seemed to evaporate immediately and the ground never saturated. The flows through April reflected these grim conditions. The high flow in April was 135 CFS with a low of 55 CFS and 21 days below 100 CFS. Through May, flows exceeded 200 CFS on only seven days. The silver lining for the early season was that temperatures were below average and that allowed the limited snowpack to persist and slowly melt off.

Above average precipitation in June saved the float season. June precipitation was 119% of normal and timely rains during the third week supported a late peak flow on June 21st. The flow dropped below 150 CFS on July 17th, a full month later than in 2021. Hoot Owl fishing restrictions were also initiated on July 17th and were in place until September 9th. Low flows still matched the twenty-year low from last year at 36 CFS, but a more dire scenario was averted with the precipitation improvements in June. FWP also made a call on its Murphy water rights on July 30th. It is uncertain what effect, if any, this made to flow conditions.

Visitation

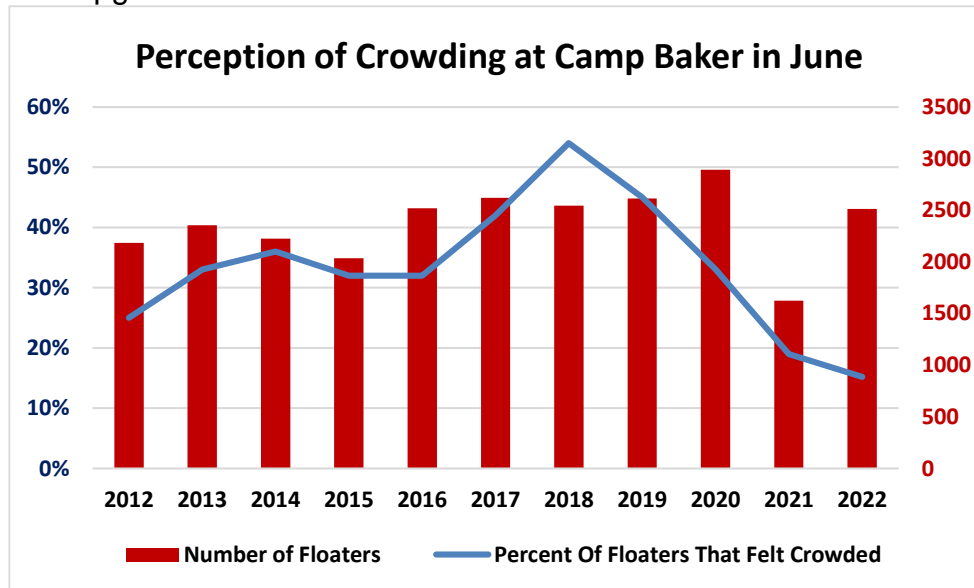
2022 was another below average season in terms of the number of floaters. While just 1.5% below the twenty-year average, visitation in 2022 was 17% below the five-year average. This major decline was attributable to the low floater numbers in April and May due to the low water. April and May only had 72 and 1,413 floaters, respectively, the lowest amount since 2014. June and July visitation was near normal with the increased flows. The exception to below average use was commercial outfitted use. Smith River outfitters conducted 68 trips, 42% above the twenty-year average and 24% more than the five-year average. The outfitters attributed this anomaly to pent-up demand from Covid cancelled trips and trips cancelled in 2021 due to low water.



Deep Creek Conservation Easement

Social Conditions

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. 90.4% of the floaters fell into the range of “Neutral to Liked Very Much.” There is a correlation between the number of boats seen per hour and the level of satisfaction. On average, respondents reported seeing 1.28 boats per hour with an average satisfaction of 3.84. These results are a strong indication of high floater satisfaction with the overall level of solitude. The perception of crowding at Camp Baker has also continued to decrease with improved registration protocols and the closure of the campground.



SECTION 2 – MANAGEMENT ACTIVITIES

Staffing

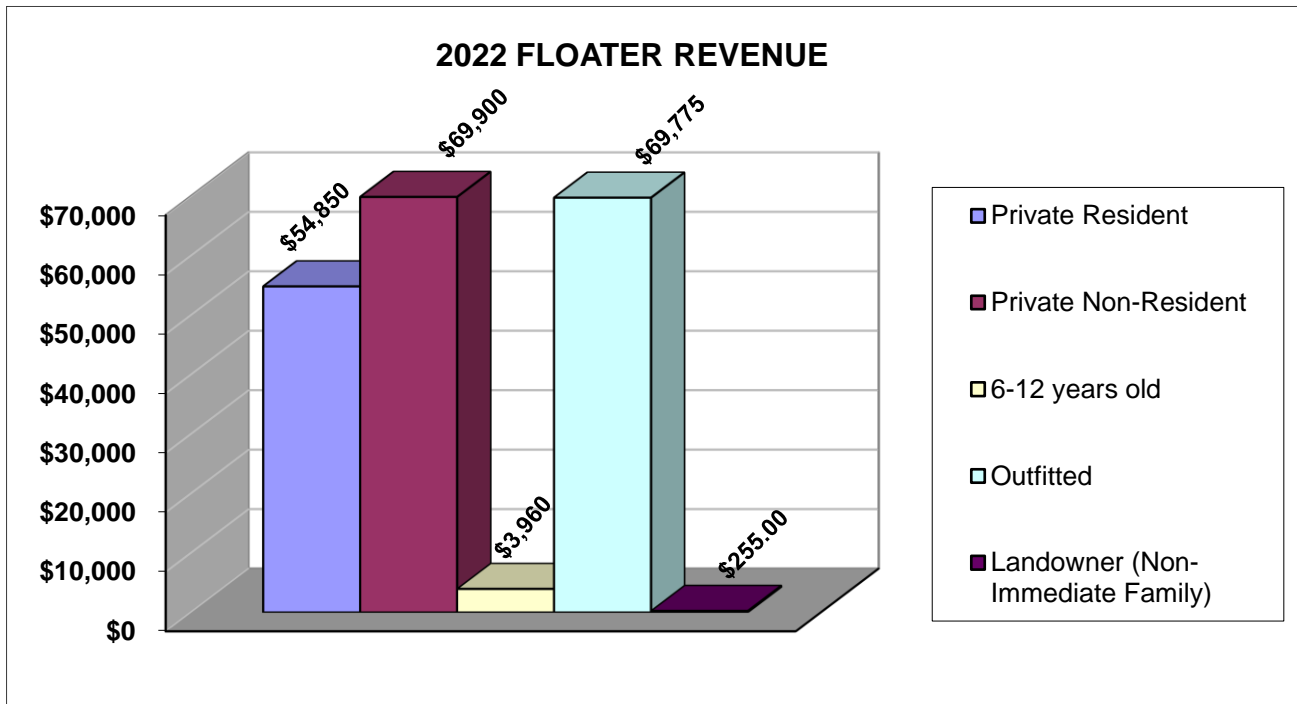
Employees from Montana Fish, Wildlife & Parks (FWP) Region 4 and Helena-Lewis and Clark National Forest (USFS) involved with the 2022 Smith River State Park & River Corridor program included:

- Colin Maas – Smith River Recreation Manager (FWP)
- John Taillie – Region 4 Recreation Manager (FWP) - Retired
- Robert Gliko – Resource Specialist (USFS)
- Nate Kluz – FWP Lead Recreation Ranger (FWP)
- Cody Kenyon – Recreation Ranger (FWP)
- Andrea McElwain – Recreation Ranger (FWP)
- Don Mendenhall – River Ranger (USFS)
- Christopher Freistadt – River Ranger (USFS)
- Krystal Phares – 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.

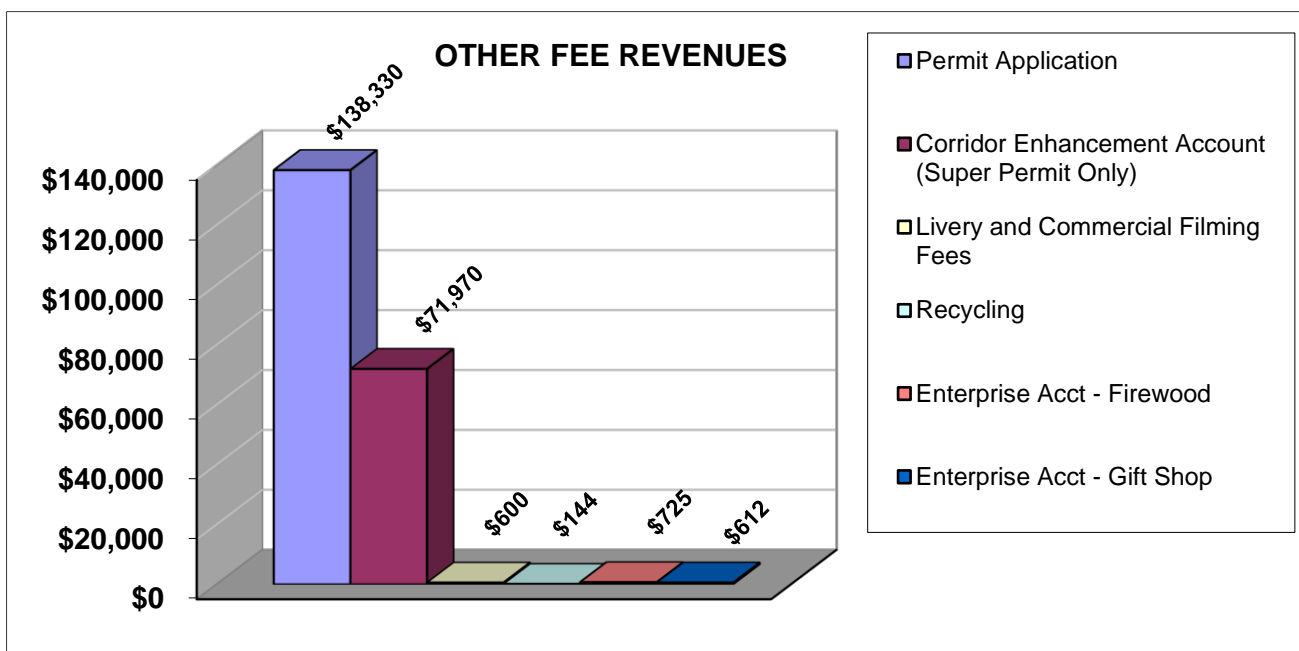
Fee Revenue

Total "floater fee" revenue collected in 2022 was \$198,740. Floater fee revenue increased by \$34,080 compared to 2021 revenues.



GRAPH 1: FLOATER FEES COLLECTED IN 2022

Total "other fee" revenue collected in 2022 was \$212,381. Other fee revenues increased by \$23,638.50 compared to 2021 revenues.



GRAPH 2: OTHER FEES COLLECTED IN 2022

The following floater fees approved for the 2022 season by means of the Smith River State Park Biennial Fee Rule:

- Permit application fee (residents and non-residents, non-refundable) = **\$10.00 (\$15 beginning in 2023)**
- 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 (\$110 beginning in 2023)**
- Outfitted Launch Fee = **\$200.00**
- Outfitted Transfer Fee = **\$200.00**

Special Projects Completed in 2022

Camp Baker

- A streambank restoration project was completed in December of 2022. This project involved the removal of the downstream boat ramp and restoration of the degraded bank from the ramp into the next corner with a bioengineered willow-lift and native shrubs and grasses. A new fence was also built to restrict access for cattle and water access will be replaced with a new well located off the river.



Bioengineered Bank Restoration at Former Downstream Boat Ramp

Eden Bridge

- Waste storage tanks for the human waste removal (SCAT) machine were buried and construction of the building will begin in the spring of 2023. Construction is scheduled to be completed in late spring of 2023.

River Corridor

- Noxious weed control efforts were undertaken by the Smith River Habitat Project (SRHP) and the Smith River Weed Volunteers (SRWV). Favorable flows allowed for both parties to float again this year. The SRWV group floated in mid-June and logged 183.5 volunteer hours pulling and trimming weeds in boat camps. SRHP was able to float and spray in early July and via UTV in the fall and treated 213.5 acres.



Smith River Weed Volunteers at Cow Coulee Boat Camp

- A forest entomologist with the Montana Department of Natural Resources and Conservation (DNRC) floated with rangers in April to deploy MCH packets to sentinel trees in camps to deter Douglas Fir Beetle invasion. This work will continue in 2023.
- Hazard tree removal continued this season. Trees were removed at the following boat camps: Lower Indian Springs, Upper Rock Garden, Lower Scotty Allen, Syringa, Lower Sunset, Crowsfoot and Upper Table Rock. Most tree removals were single trees. The Syringa boat camp required more extensive tree removal. Approximately thirty-seven trees were removed, including some healthy trees that were required for the safe

removal of dead trees. Future tree removal projects include Canyon Depth, Trout Creek and Ridgetop boat camps.



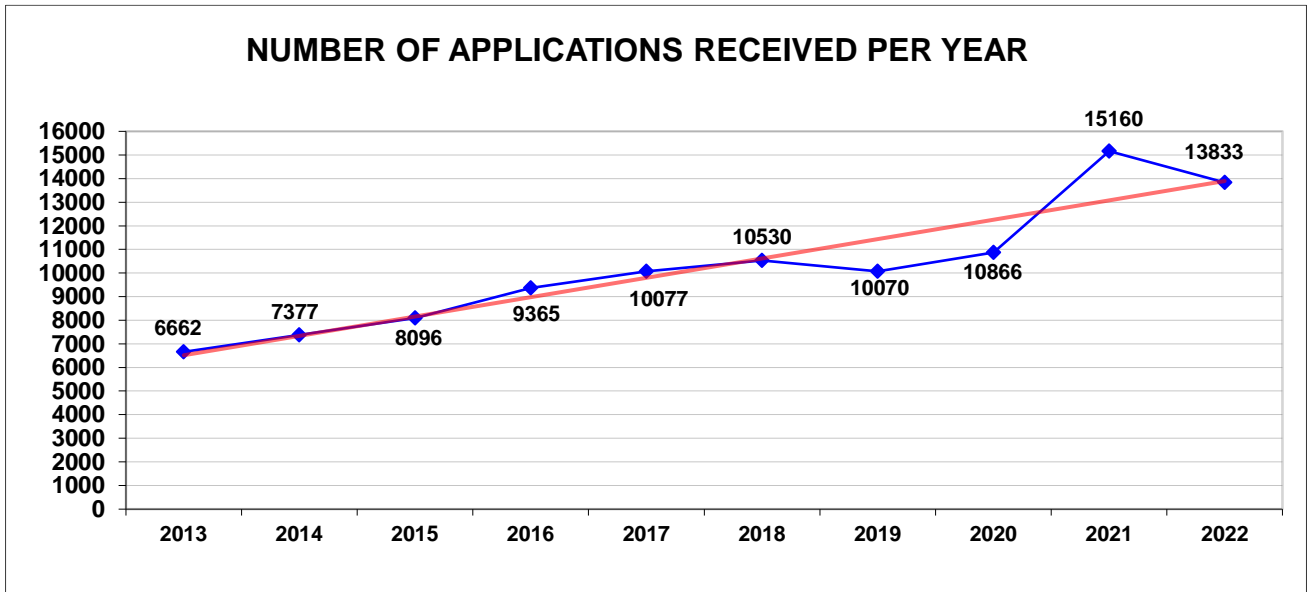
Hazard Tree Removal @ Syringa Boat Camp

Administrative - Management Actions

- Camp Baker was again closed to overnight camping for the 2022 season. The camping closure was approved by the Parks and Outdoor Recreation (POR) Board and adopted into the Smith River Biennial Fee rule. Exception: Camping at Camp Baker will be allowed from September 1 to November 30.
- Mandatory human waste pack-out was also approved by the POR Board to the Smith River Biennial Fee Rule. This rule will be implemented for the 2024 float season to ensure the housing and infrastructure for the SCAT machine will be completed prior to implementation. Rangers will continue to educate floaters about these changes during the pre-float orientation.
- Increases to the application fee and outfitted client fees were adopted in the Smith River Biennial Fee Rule. The application fee increased from \$10 to \$15 and the outfitted client fee increased from \$100 to \$110.
- Floater registration, including payment and boat camp selection, was completed via phone two days prior to a floater's launch date. Floaters received permit paperwork at Camp Baker. This was received well by floaters again and will continue in 2023.

SECTION 3 - VISITOR USE STATISTICS

Private Launch Applications



GRAPH 3: NUMBER OF APPLICANTS PER YEAR



"Floating the Smith" has become an increasingly popular sport in recent years.

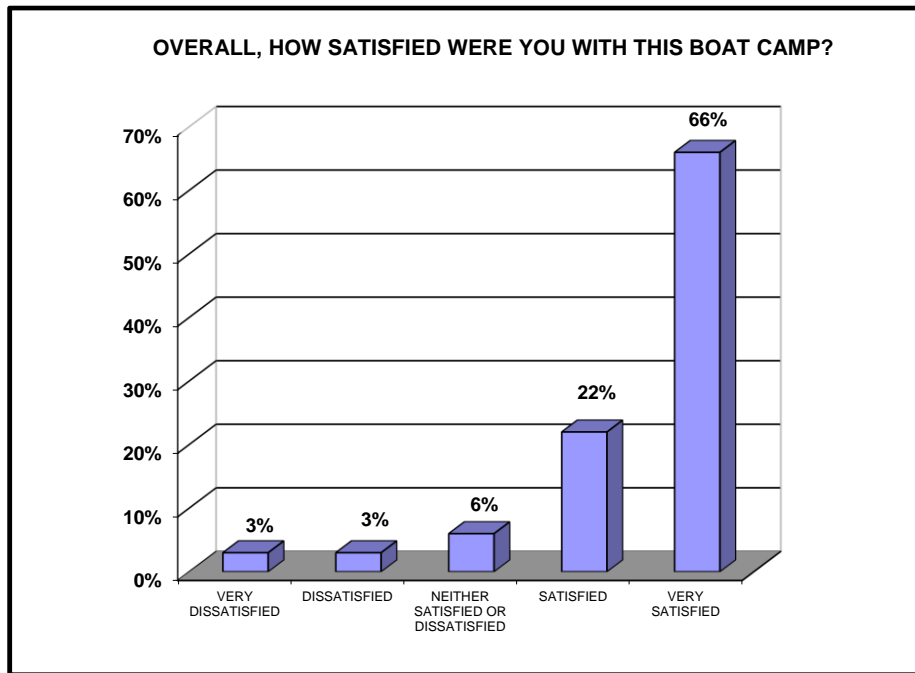


Below Crowsfoot Boat Camp: 1960s and 2022

2022 FLOATER LOG COMMENT SUMMARY

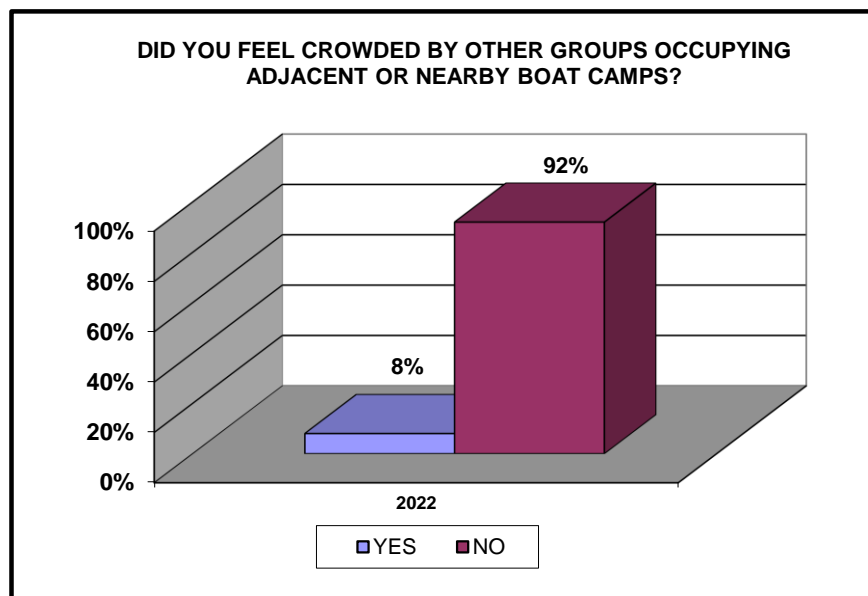
CAMPSITE QUESTIONS:

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



GRAPH 4: BOAT CAMP SATISFACTION

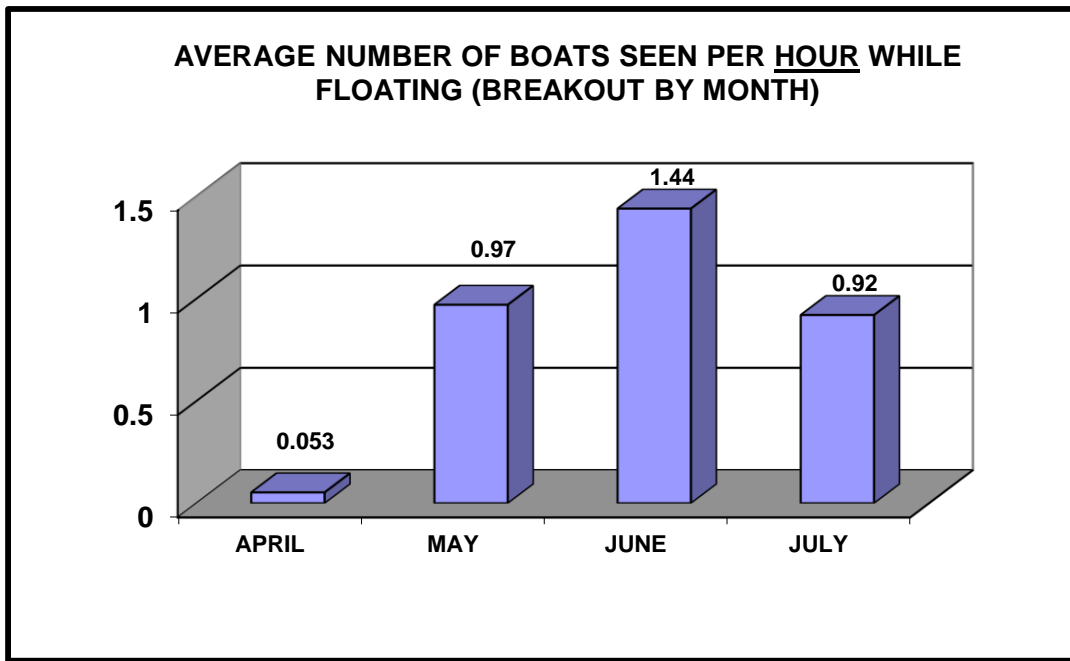
Question: Did you feel crowded by other groups occupying adjacent or nearby boat camps?



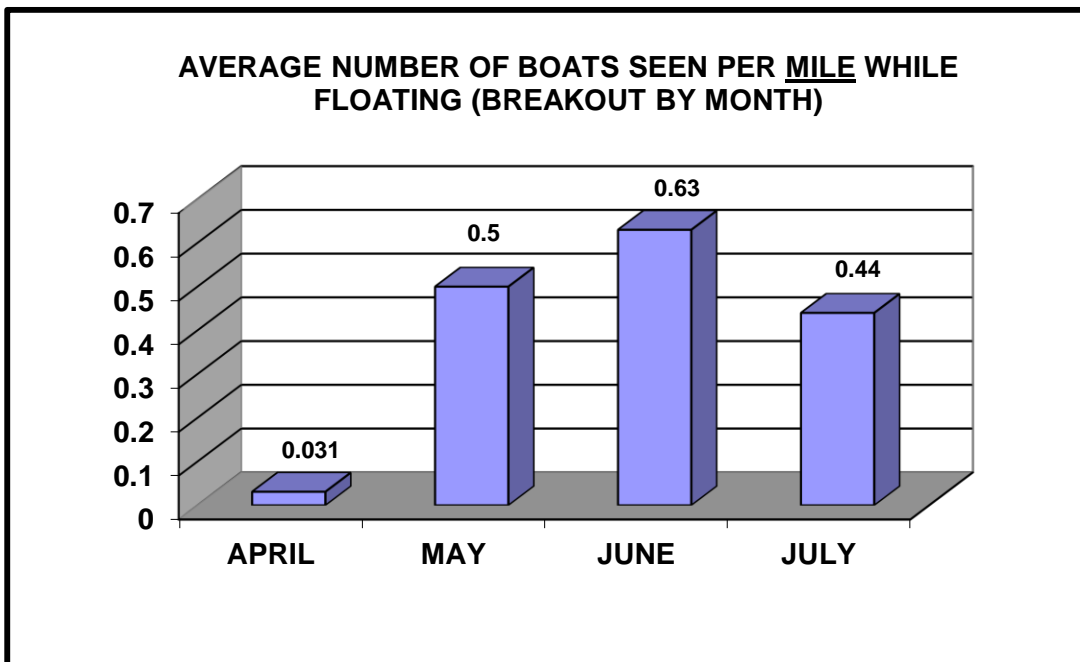
GRAPH 5: PERCEPTION OF CROWDING BY ADJACENT BOAT CAMPS

FLOATING QUESTIONS:

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



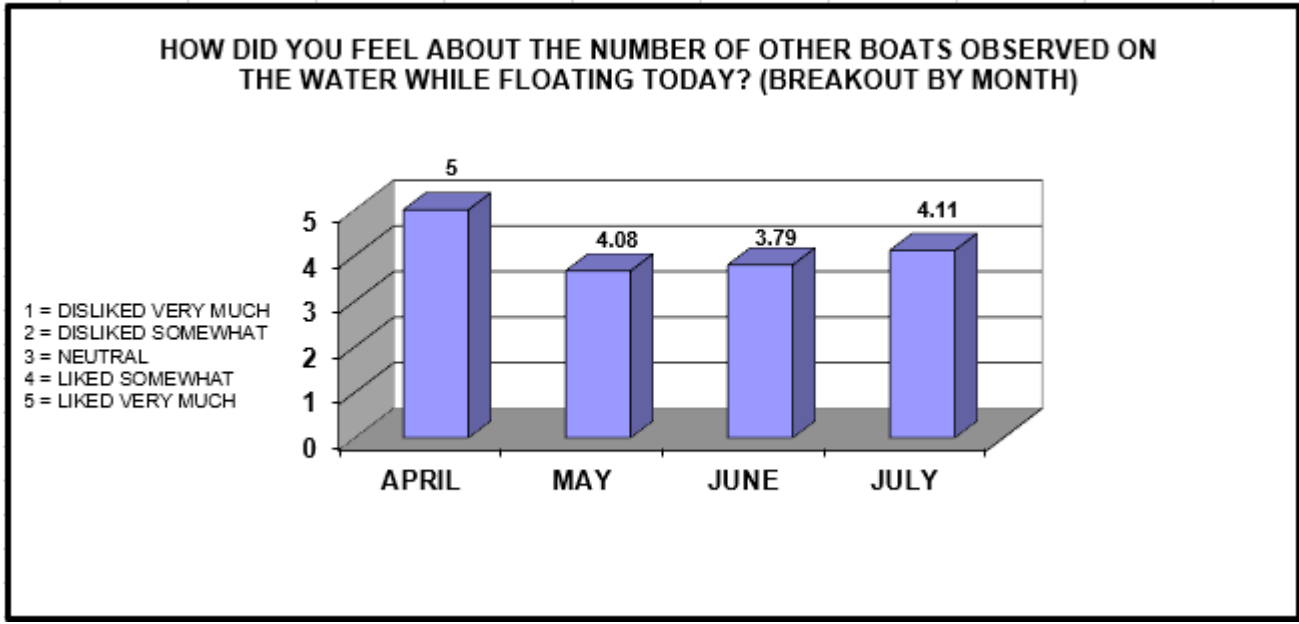
GRAPH 6: FLOATER PERCEPTION OF NUMBER OF BOATS SEEN PER HOUR



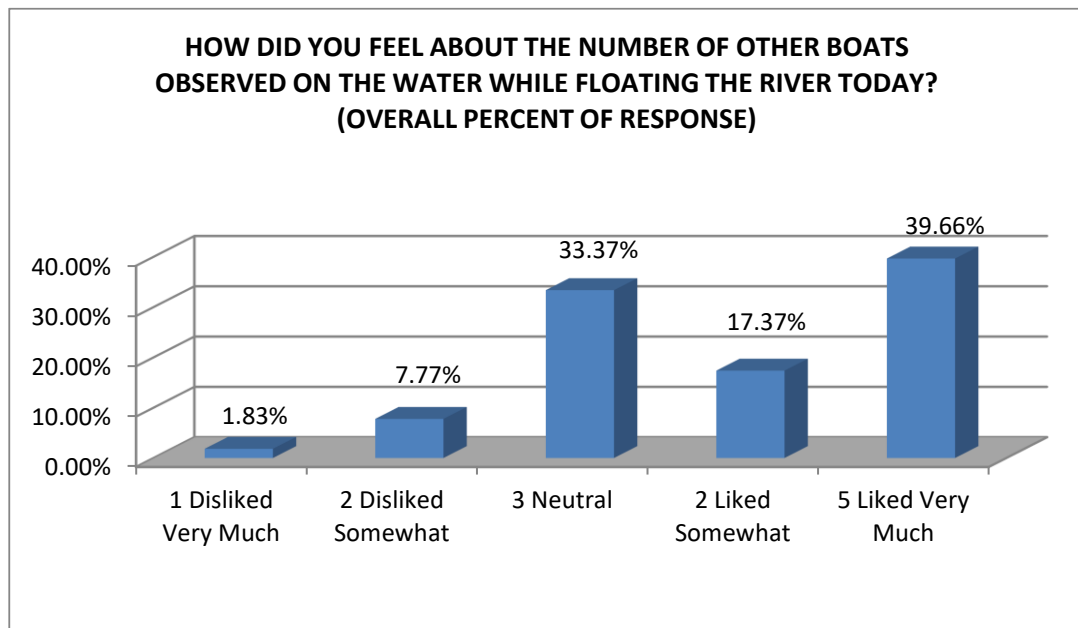
GRAPH 7: FLOATER PERCEPTION OF NUMBER OF BOATS SEEN PER MILE

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.

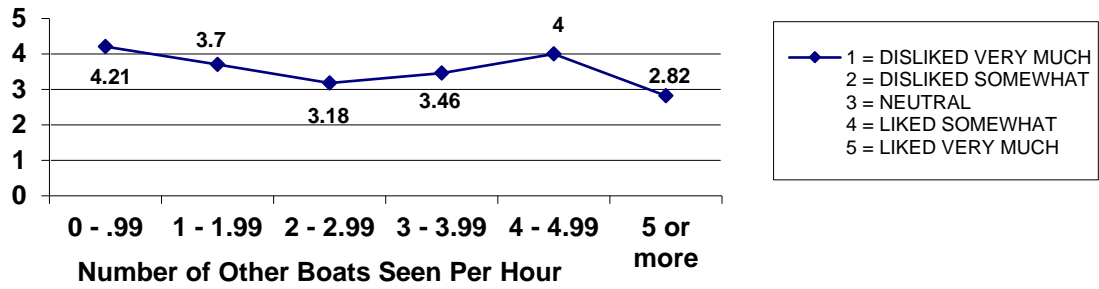


GRAPH 8: FLOATER PERCEPTION OF NUMBER OF BOATS SEEN PER DAY



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)



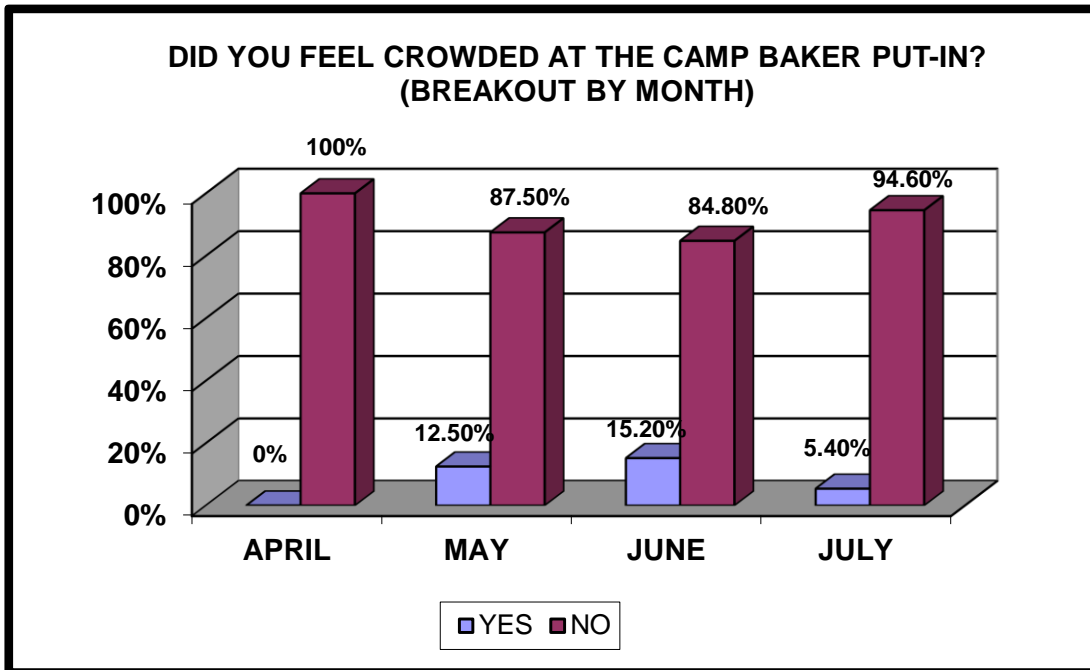
*Less than 7% of respondents reported seeing 3 or more boats per hour

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 2022 Floater Log Comments document.

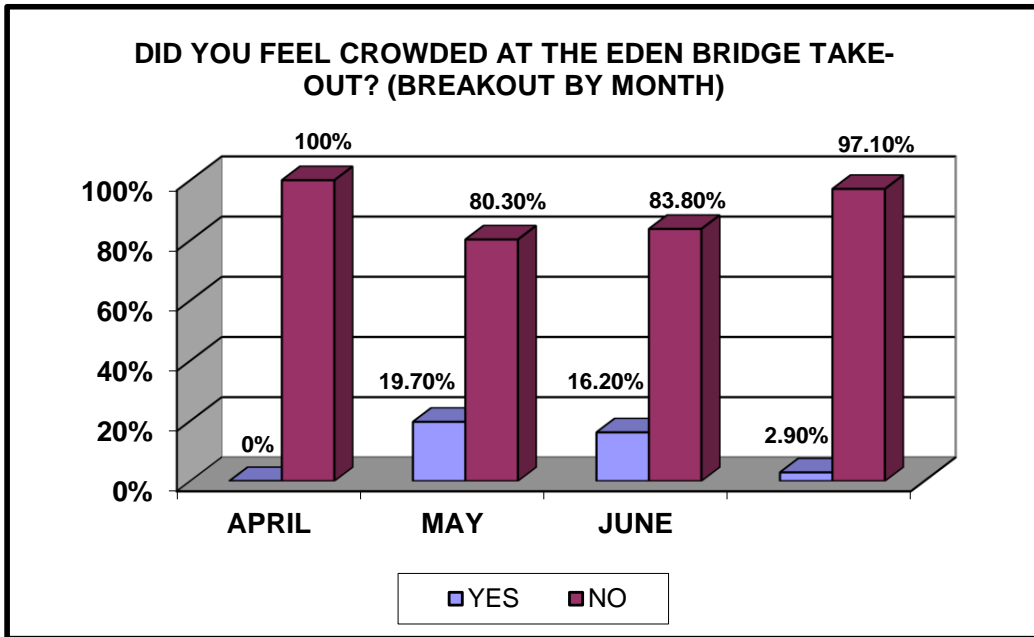


Question #3: Did you feel crowded at the put-in? Yes or No



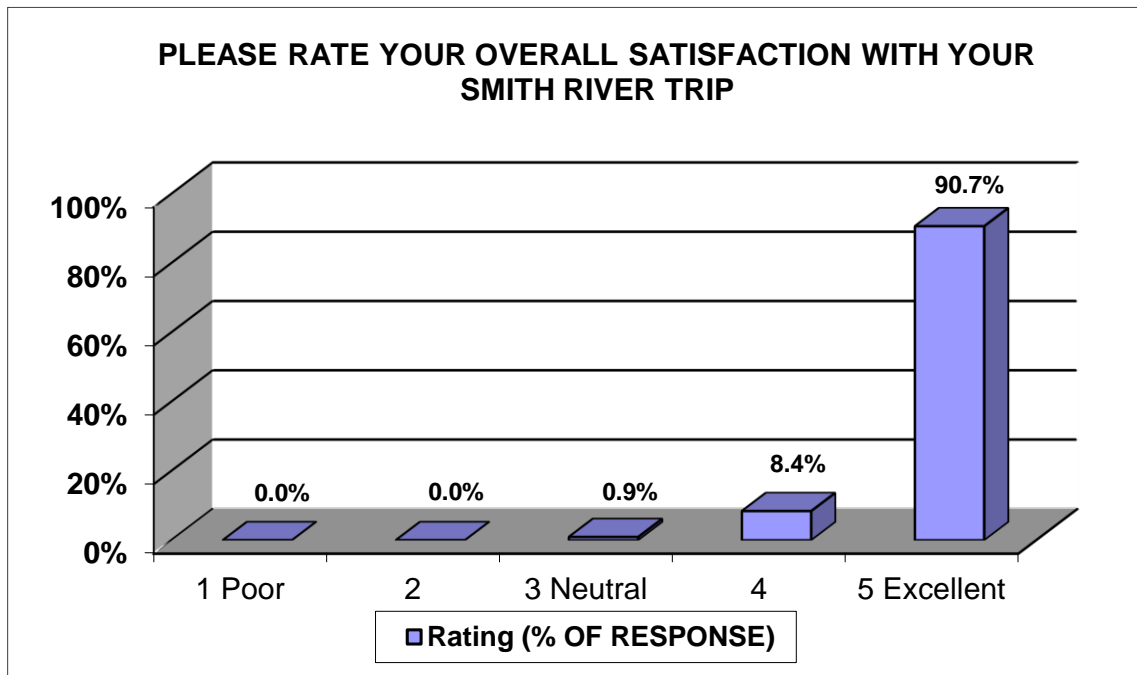
GRAPH 11: FLOATER PERCEPTION OF FEELING CROWDED AT CAMP BAKER PUT-IN

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



GRAPH 13: FLOATER OVERALL SATISFACTION WITH SMITH RIVER TRIP

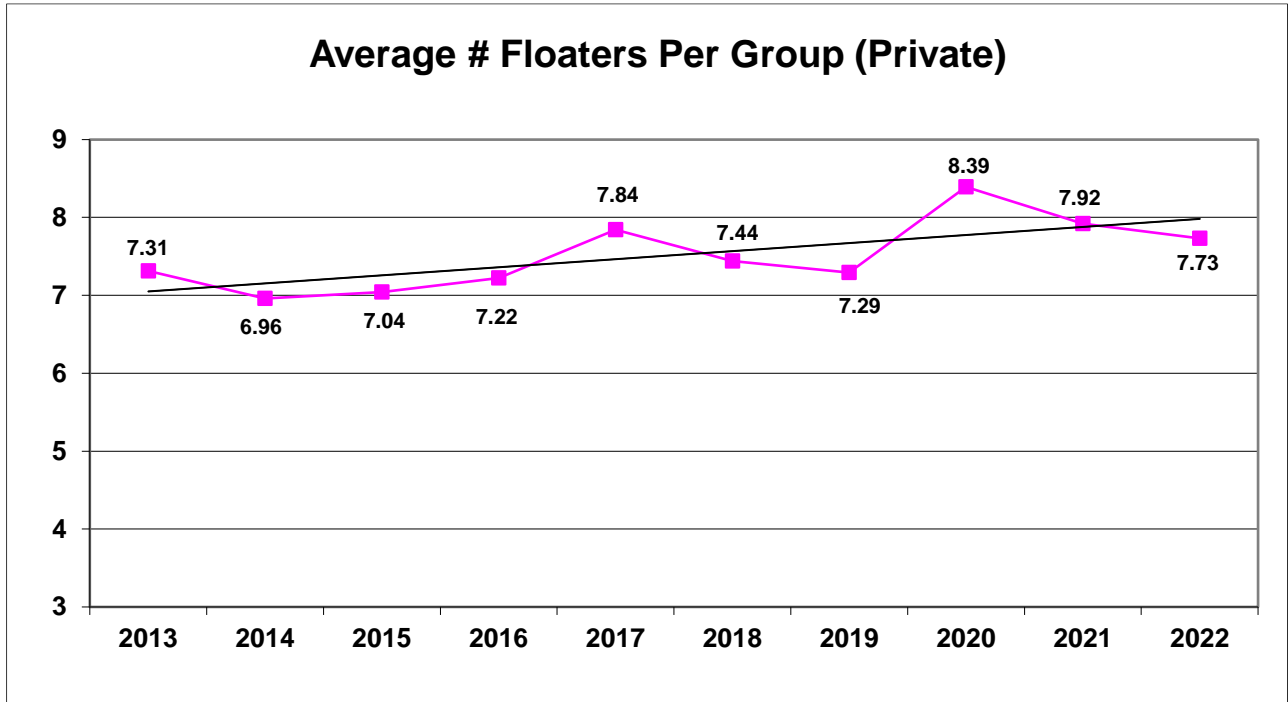


Bald Eagle Early Morning On The Lower River

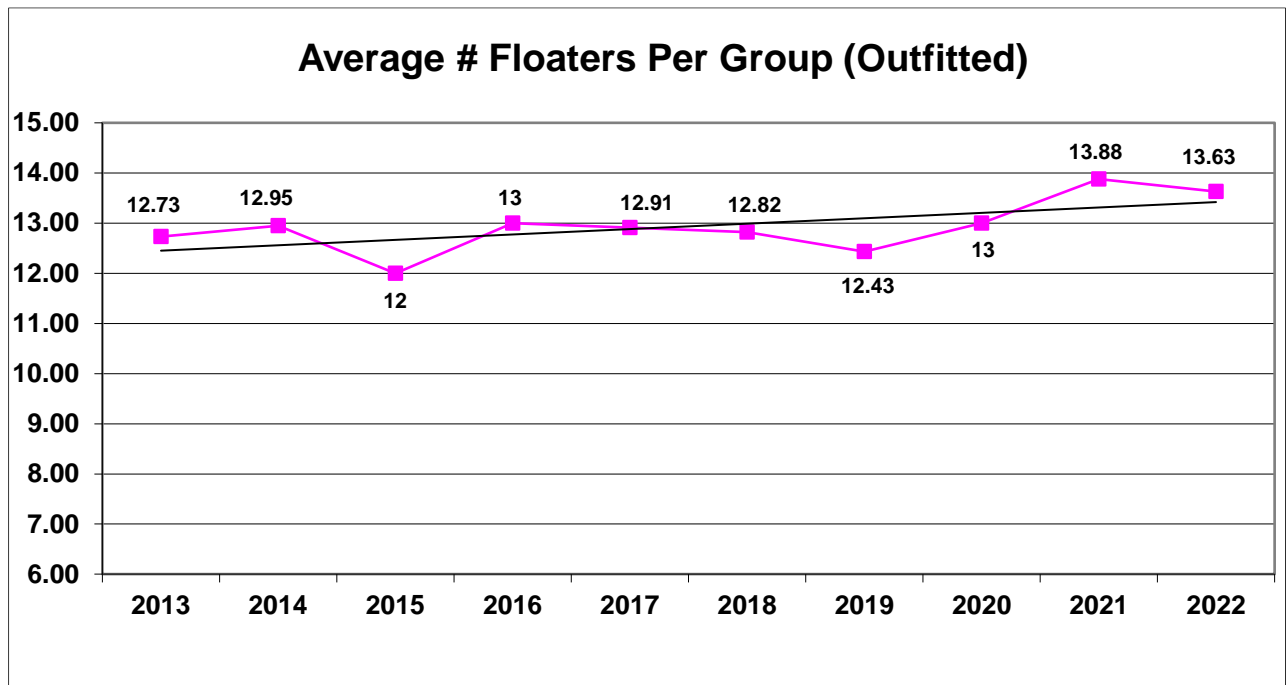
2022 BOAT CAMP GROUP USE

BOAT CAMP	RIVER MILE	LAND OWNERSHIP	NUMBER OF GROUPS STAYED AT EACH BOATCAMP	% OF OVERALL USE
UPPER SPRING CREEK	4.4	FWP	2	0.10%
LOWER SPRING CREEK	4.4	FWP	0	0.00%
IN LIEU	5.6	FWP	0	0.00%
UPPER INDIAN SPRINGS	6	USFS	11	0.53%
MIDDLE INDIAN SPRINGS	6	USFS	52	2.51%
LOWER INDIAN SPRINGS	6	USFS	48	2.32%
UPPER ROCK GARDEN	6.8	USFS	57	2.75%
LOWER ROCK GARDEN	6.8	USFS	46	2.22%
ROCK CREEK	8.9	USFS	83	4.00%
UPPER SCOTTY ALLEN	12	USFS	56	2.70%
MIDDLE SCOTTY ALLEN	12	USFS	41	1.98%
LOWER SCOTTY ALLEN	12	USFS	67	3.23%
SYRINGA	15.2	DNRC	54	2.60%
CANYON DEPTH	16.9	USFS	53	2.56%
TWO CREEK	17.8	USFS	27	1.30%
SHEEPWAGON	18.4	USFS	48	2.32%
UPPER COW COULEE	22.8	USFS	61	2.94%
MIDDLE COW COULEE	22.8	USFS	44	2.12%
LOWER COW COULEE	22.8	USFS	16	0.77%
UPPER SUNSET CLIFF	23.6	USFS	67	3.23%
MIDDLE SUNSET CLIFF	23.6	USFS	62	2.99%
LOWER SUNSET CLIFF	23.6	USFS	67	3.23%
COUNTY LINE	25.5	USFS	39	1.88%
UPPER BEAR GULCH	29	USFS	22	1.06%
LOWER BEAR GULCH	29	USFS	51	2.46%
UPPER TROUT CREEK	30.3	FWP	8	0.39%
MIDDLE TROUT CREEK	30.3	FWP	1	0.05%
LOWER TROUT CREEK	30.3	FWP	2	0.10%
CROWSFOOT	32	FWP	62	2.99%
UPPER TABLE ROCK	33.5	USFS	42	2.03%
MIDDLE TABLE ROCK	33.5	USFS	14	0.68%
LOWER TABLE ROCK	33.5	USFS	27	1.30%
UPPER FRAUNHOFER	35.4	USFS	77	3.71%
LOWER FRAUNHOFER	35.4	USFS	47	2.27%
MEADOW BEND	35.6	FWP	33	1.59%
UPPER PARKER FLAT	37.5	USFS	63	3.04%
PARKER FLAT #1	37.9	FWP	34	1.64%
PARKER FLAT #2	37.9	FWP	7	0.34%
PARKER FLAT #3	37.9	FWP	29	1.40%
DEEP CREEK	38.7	PRIVATE	6	0.29%
PARADISE BEND	39.5	FWP	19	0.92%
STAIGMILLER	44	PRIVATE	56	2.70%
MERGANSE BEND	44.5	FWP	38	1.83%
UPPER BLACK BUTTE	44.8	FWP	38	1.83%
LOWER BLACK BUTTE	44.8	FWP	21	1.01%
UPPER RIDGETOP	45	PRIVATE	67	3.23%
MIDDLE RIDGETOP	45	PRIVATE	50	2.41%
LOWER RIDGETOP	45	PRIVATE	60	2.89%
UPPER GIVENS GULCH	47.2	PRIVATE	6	0.29%
LOWER GIVENS GULCH	47.2	PRIVATE	73	3.52%
UPPER RATTLESNAKE	47.4	PRIVATE	53	2.56%
LOWER RATTLESNAKE	47.4	PRIVATE	66	3.18%
TOTALS			2073	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%	

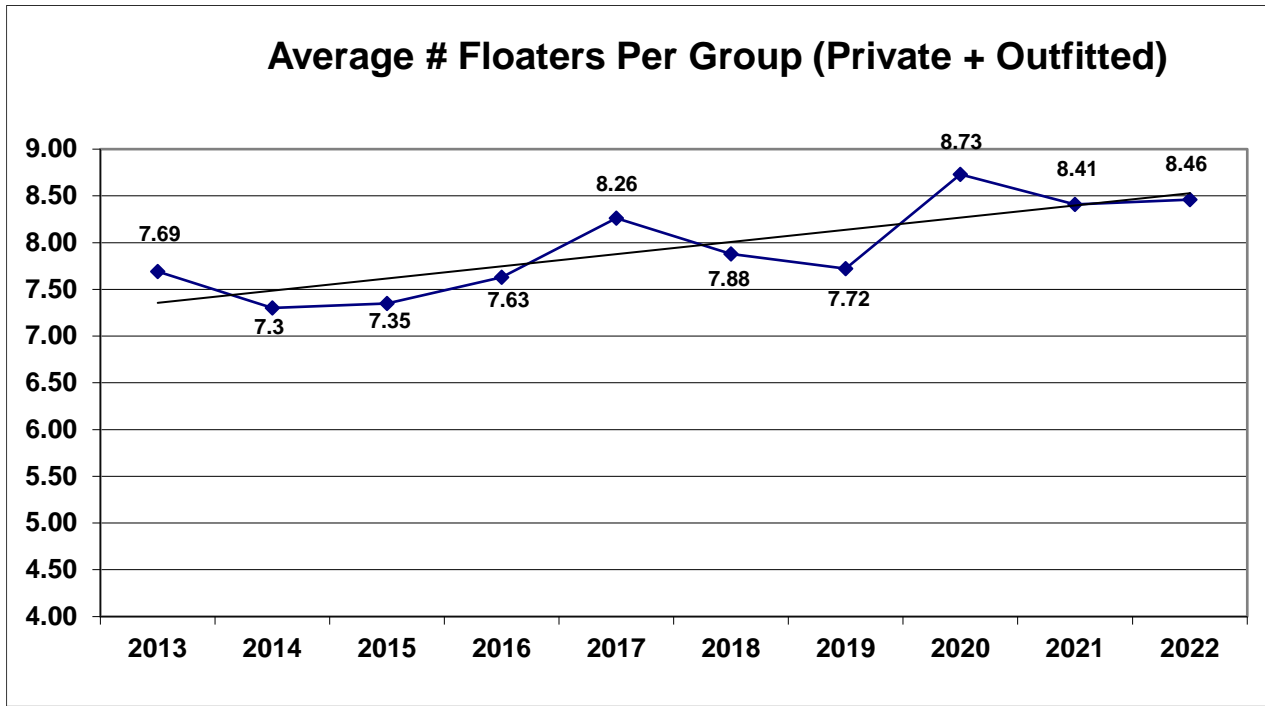
Visitor Use Trends – Average Group Size



GRAPH 14: AVERAGE GROUP SIZE PER YEAR – PRIVATE GROUPS

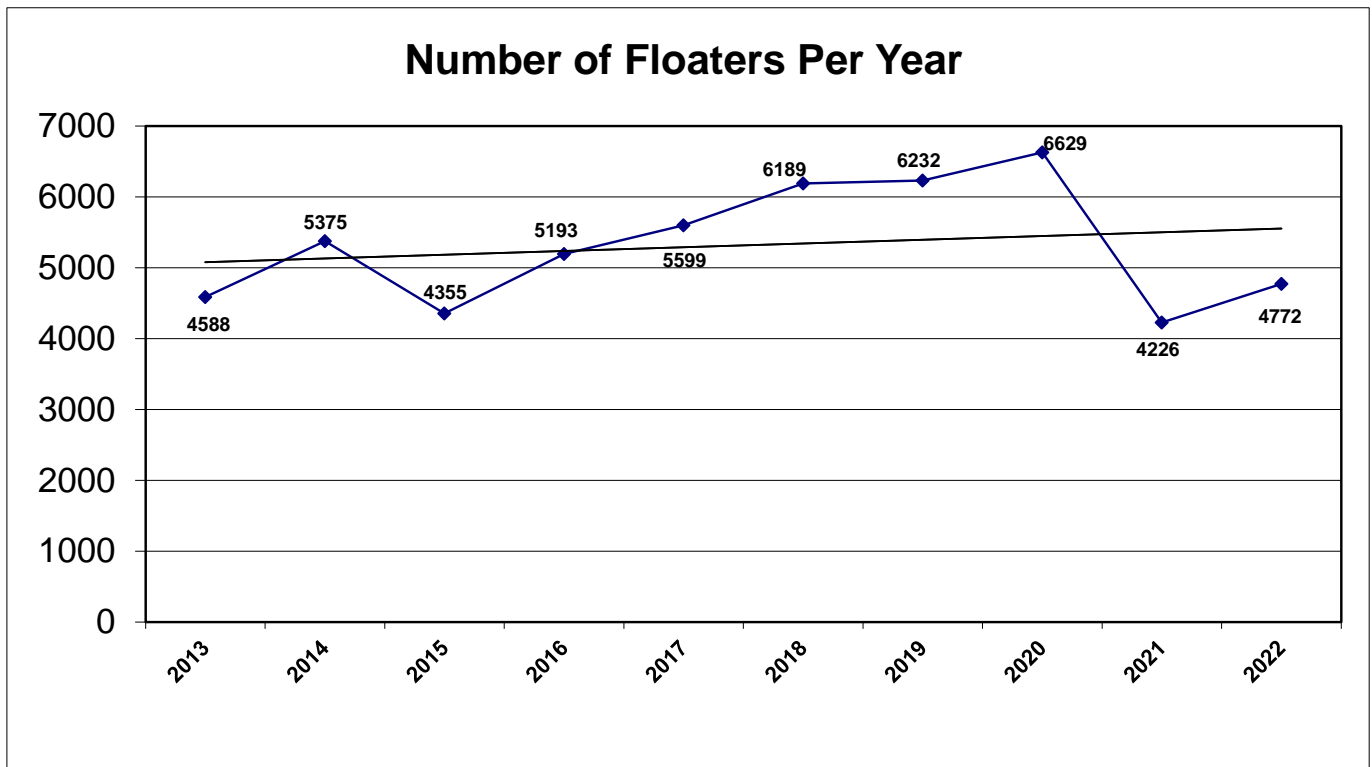


GRAPH 15: AVERAGE GROUP SIZE PER YEAR – OUTFITTED GROUPS



GRAPH 16: AVERAGE GROUP SIZE PER YEAR – PRIVATE AND OUTFITTED GROUPS

Visitor Use Trends – Number of Floaters Per Year



GRAPH 17: NUMBER OF FLOATERS PER YEAR

SMITH RIVER DAILY LOG (2022)

2022	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	95	4	16	4.00
2-Apr	91	5	19	3.80
3-Apr	86	5	19	3.80
4-Apr	85	5	15	3.00
5-Apr	79	4	11	2.75
6-Apr	75	3	8	2.67
7-Apr	77	2	8	4.00
8-Apr	84	2	8	4.00
9-Apr	95	2	8	4.00
10-Apr	81	2	8	4.00
11-Apr	77	1	6	6.00
12-Apr	67	0	0	0.00
13-Apr	55	0	0	0.00
14-Apr	75	0	0	0.00
15-Apr	86	0	0	0.00
16-Apr	86	0	0	0.00
17-Apr	98	0	0	0.00
18-Apr	95	8	0	0.00
19-Apr	106	0	0	0.00
20-Apr	99	0	0	0.00
21-Apr	97	1	2	2.00
22-Apr	97	1	2	2.00
23-Apr	108	1	2	2.00
24-Apr	106	3	8	2.67
25-Apr	101	6	17	2.83
26-Apr	106	6	17	2.83
27-Apr	106	4	13	3.25
28-Apr	112	4	13	3.25
29-Apr	135	1	4	4.00
30-Apr	136	3	30	10.00
1-May	129	3	30	10.00
2-May	127	7	56	8.00
3-May	131	10	75	7.50
4-May	138	11	72	6.55
5-May	156	12	61	5.08
6-May	188	14	65	4.64
7-May	211	17	82	4.82
8-May	201	15	81	5.40
9-May	178	18	115	6.39
10-May	152	21	146	6.95
11-May	138	26	182	7.00
12-May	141	29	221	7.62
13-May	142	25	195	7.80
14-May	140	25	176	7.04

SMITH RIVER DAILY LOG (2022)

2022	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	130	23	152	6.61
16-May	131	21	135	6.43
17-May	150	22	147	6.68
18-May	174	23	155	6.74
19-May	188	24	178	7.42
20-May	203	28	221	7.89
21-May	197	30	250	8.33
22-May	182	30	247	8.23
23-May	175	33	294	8.91
24-May	148	36	340	9.44
25-May	133	39	377	9.67
26-May	133	39	364	9.33
27-May	163	36	343	9.53
28-May	228	36	338	9.39
29-May	255	36	324	9.00
30-May	312	36	306	8.50
31-May	317	32	313	9.78
1-Jun	268	30	292	9.73
2-Jun	236	34	344	10.12
3-Jun	213	36	358	9.94
4-Jun	219	34	370	10.88
5-Jun	260	36	376	10.44
6-Jun	319	35	393	11.23
7-Jun	338	35	378	10.80
8-Jun	323	40	417	10.43
9-Jun	309	42	412	9.81
10-Jun	294	44	428	9.73
11-Jun	348	45	416	9.24
12-Jun	403	42	409	9.74
13-Jun	406	43	415	9.65
14-Jun	402	45	432	9.60
15-Jun	383	43	424	9.86
16-Jun	387	45	462	10.27
17-Jun	374	44	444	10.09
18-Jun	362	44	452	10.27
19-Jun	383	44	459	10.43
20-Jun	488	47	464	9.87
21-Jun	773	41	378	9.22
22-Jun	717	42	385	9.17
23-Jun	619	40	360	9.00
24-Jun	533	41	343	8.37
25-Jun	477	42	344	8.19
26-Jun	418	40	358	8.95
27-Jun	365	41	382	9.32

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2022	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	325	42	407	9.69
29-Jun	301	44	415	9.43
30-Jun	279	44	411	9.34
1-Jul	260	44	426	9.68
2-Jul	242	42	384	9.14
3-Jul	251	43	413	9.60
4-Jul	278	40	390	9.75
5-Jul	257	40	349	8.73
6-Jul	243	38	306	8.05
7-Jul	297	31	239	7.71
8-Jul	242	30	201	6.70
9-Jul	221	27	184	6.81
10-Jul	211	27	206	7.63
11-Jul	184	24	166	6.92
12-Jul	168	24	156	6.50
13-Jul	160	25	158	6.32
14-Jul	168	27	166	6.15
15-Jul	157	24	127	5.29
16-Jul	153	19	98	5.16
17-Jul	150	20	96	4.80
18-Jul	142	13	67	5.15
19-Jul	130	12	51	4.25
20-Jul	118	9	42	4.67
21-Jul	111	8	39	4.88
22-Jul	105	5	26	5.20
23-Jul	96	2	8	4.00
24-Jul	91	1	4	4.00
25-Jul	126	0	0	0.00
26-Jul	106	0	0	0.00
27-Jul	93	0	0	0.00
28-Jul	83	0	0	0.00
29-Jul	79	0	0	0.00
30-Jul	73	0	0	0.00
31-Jul	68	0	0	0.00
1-Aug	66	1	3	3.00
2-Aug	51	1	3	3.00
3-Aug	59	1	3	3.00
4-Aug	57	1	3	3.00
5-Aug	50	1	3	3.00
6-Aug	50	0	0	0.00
7-Aug	70	0	0	0.00
8-Aug	55	0	0	0.00
9-Aug	45	0	0	0.00
10-Aug	44	0	0	0.00

SMITH RIVER DAILY LOG (2022)

2022	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	45	0	0	0.00
12-Aug	45	0	0	0.00
13-Aug	46	0	0	0.00
14-Aug	46	0	0	0.00
15-Aug	42	0	0	0.00
16-Aug	41	0	0	0.00
17-Aug	39	0	0	0.00
18-Aug	38	0	0	0.00
19-Aug	40	0	0	0.00
20-Aug	39	0	0	0.00
21-Aug	39	0	0	0.00
22-Aug	38	0	0	0.00
23-Aug	36	0	0	0.00
24-Aug	36	0	0	0.00
25-Aug	44	0	0	0.00
26-Aug	55	0	0	0.00
27-Aug	59	0	0	0.00
28-Aug	59	0	0	0.00
29-Aug	56	0	0	0.00
30-Aug	53	0	0	0.00
31-Aug	51	0	0	0.00
1-Sep	44	0	0	0.00
2-Sep	39	0	0	0.00
3-Sep	39	0	0	0.00
4-Sep	38	0	0	0.00
5-Sep	38	0	0	0.00
6-Sep	41	0	0	0.00
7-Sep	42	0	0	0.00
8-Sep	41	0	0	0.00
9-Sep	41	0	0	0.00
10-Sep	46	0	0	0.00
11-Sep	52	0	0	0.00
12-Sep	50	0	0	0.00
13-Sep	55	0	0	0.00
14-Sep	54	0	0	0.00
15-Sep	63	0	0	0.00
16-Sep	70	0	0	0.00
17-Sep	74	0	0	0.00
18-Sep	71	0	0	0.00
19-Sep	77	0	0	0.00
20-Sep	78	0	0	0.00
21-Sep	79	0	0	0.00
22-Sep	81	0	0	0.00
23-Sep	95	0	0	0.00
24-Sep	98	0	0	0.00

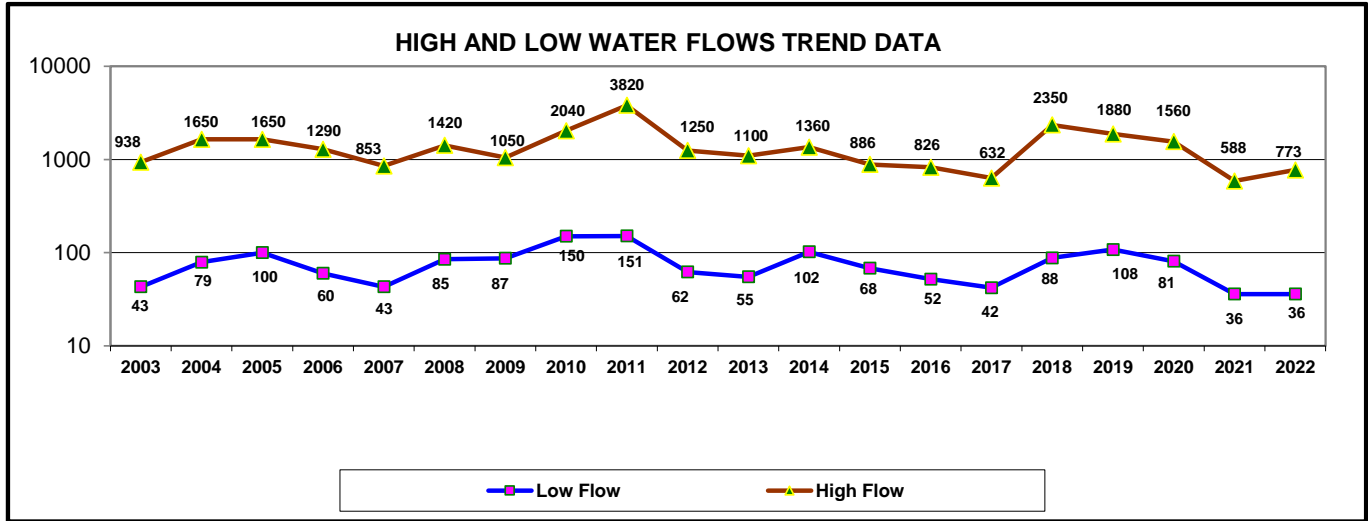
SMITH RIVER DAILY LOG (2022)

2022	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	84	1	2	2.00
26-Sep	80	2	4	2.00
27-Sep	76	2	4	2.00
28-Sep	74	2	4	2.00
29-Sep	75	2	4	2.00
30-Sep	99	2	4	2.00
1-Oct	173	0	0	0.00
2-Oct	198	0	0	0.00
3-Oct	166	0	0	0.00
4-Oct	154	0	0	0.00
5-Oct	138	1	2	2.00
6-Oct	129	1	2	2.00
7-Oct	124	1	2	2.00
8-Oct	128	1	2	2.00
9-Oct	127	0	0	0.00
10-Oct	123	0	0	0.00
11-Oct	126	1	2	2.00
12-Oct	125	1	2	2.00
13-Oct	120	2	3	1.50
14-Oct	117	4	6	1.50
15-Oct	114	4	6	1.50
16-Oct	112	4	6	1.50
17-Oct	112	3	4	1.33
18-Oct	110	1	1	1.00
19-Oct	109	0	0	0.00
20-Oct	108	1	2	2.00
21-Oct	106	0	0	0.00
22-Oct	134	0	0	0.00
23-Oct	169	0	0	0.00
24-Oct	145	0	0	0.00
25-Oct	135	0	0	0.00
26-Oct	129	0	0	0.00
27-Oct	122	0	0	0.00
28-Oct	116	0	0	0.00
29-Oct	115	0	0	0.00
30-Oct	114	0	0	0.00
31-Oct	120	0	0	0.00

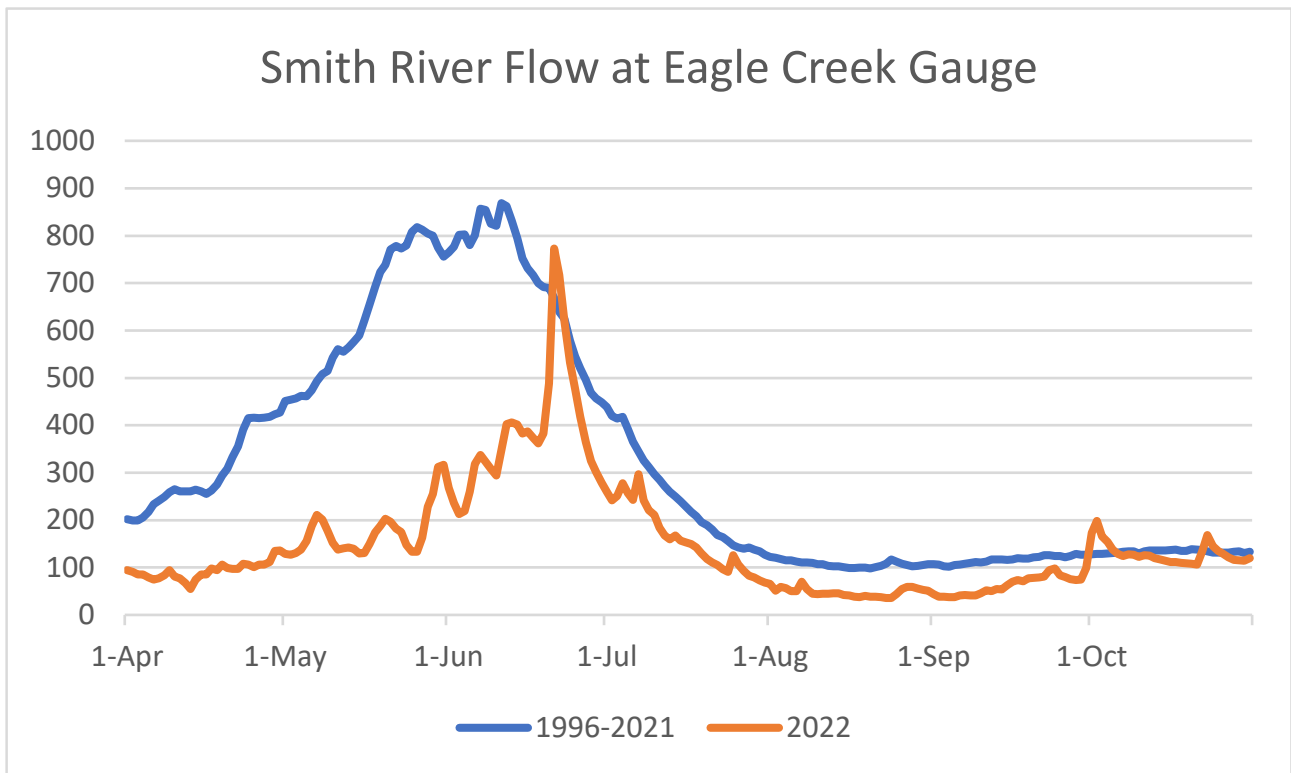
SECTION 4 – RESOURCE AND SOCIAL CONDITIONS

River Flows

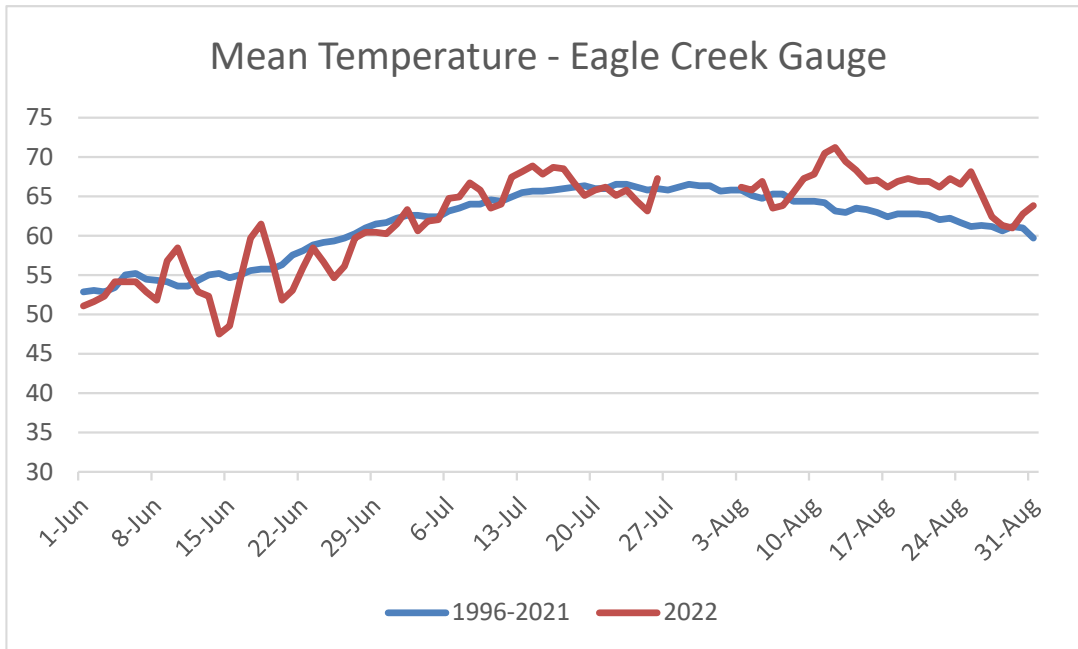
The lowest measured stream flow for the 2022 season was 36 cfs (08/23/2022), while the peak stream flow was 773 cfs (06/21/2022). High/Low flows represented as daily mean values.



GRAPH 18: HISTORICAL RIVER FLOW TRENDS



GRAPH 19: APRIL – OCTOBER FLOW COMPARISON OF 2022 TO 1997 – 2021



GRAPH 20: JUNE – AUGUST TEMPERATURE COMPARISON OF 2022 TO 1996 – 2021



Indian Springs Monkeyflower