## MADISON RIVER USER SURVEYS

- Surveys intended to be baseline to new regulations
- 23 formally developed sites
- 1,615 interviews
- May 25-September 29
- Stratified random sampling (time of day and week)
- Everyone asked about their activities and crowding at the site
- Only people finished with or already engaged in their activity asked questions about satisfaction and crowding on the river
- Participants asked about their feeling on current or future site restrictions
- Complementary to Northwestern Energy's surveys
- Areas with dispersed bank fishing were censused for wade anglers (Raynold's-3 dollar, Pine Butte-West Fork, Ennis Lake-Madison Dam)

Table 1. Tempora	al distributi	on of num	ber of shif	ts in which	interviews	were con	ducted on	the Lower	Madison R	iver, May 2	5-Septem	ber 12, 202	21				
Hour of day	May 25-32	1	June 1-15		June 16-3	0	July 1-15		July 16-31		Aug 1-15		Aug 16-31	l	Sept 1-15	Sept 16-30	
	Weekday	Weekend	Weekday	Weekend	Weekday	Weekend	Weekday	Weekend	Weekday	Weekend	Weekday	Weekend	Weekday	Weekend	Weekday Weekend	d Weekday Weekend	d Sum
0700-0800	2	1	. 1		2		2	2	2		1	2	4		1	l.	20
0800-0900	2	1	. 1		2		2	2	2		1	2	4		1	l	20
0900-1000	3	1	. 2	1	3	1	6	2	3		4	2	4	1	:	l .	34
1000-1100	3	1	. 2	1	3	1	6	2	3		4	2	4	1	:	l .	34
1100-1200	3	1	. 6	2	7	2	7	2	7		6	3	4	1	1	2	53
1200-1300	3	1	. 6	2	7	2	7	2	7		6	3	4	1		2	53
1300-1400	3	1	. 6	2	7	2	7	2	7		6	3	5	1		2	54
1400-1500	3	1	. 6	2	7	2	7	2	7		6	3	5	1	1	2	54
1500-1600	1		5	2	5	2	5		5		5	1		1	:	l .	33
1600-1700	1		5	2	5	2	5		5		5	1		1	1	l.	33
1700-1800			4	1	4	1	1		4		2	1				1	19
1800-1900			4	1	4	1	1		4		2	1				1	19

Table X. Tempor	ble X. Temporal distribution of number of shifts in which interviews were conducted on the Upper Madison River, May 25-September 29, 2021																		
Hour of day	May 25-31		June 1-15		June 16-3	0	July 1-15		July 16-31		Aug 1-15		Aug 16-31	L	Sept 1-15		Sept 16-3	0	
	Weekday Week	cend	Weekday	Weekend	Weekday	Weekend	Weekday	Weekend	Weekday	Weekend	Weekday	Weekend	Weekday	Weekend	Weekday	Weekend	Weekday	Weekend	Sum
0700-0800			1		1	1	3			1	3	1	2	1		1	. 1		16
0800-0900			1		1	1	3			1	3	1	2	1		1	1		16
0900-1000	1		4	1	3	1	6	1	3	1	6	2	3	1	2	2	. 2	2	41
1000-1100	1		4	1	3	1	6	1	3	1	6	2	3	1	2	2	. 2	2	41
1100-1200	3	1	6	2	5	2	7	1	7	2	6	2	8	2	6	2	6	2	70
1200-1300	3	1	6	2	5	2	7	1	7	2	6	2	8	2	6	2	6	2	70
1300-1400	3	1	6	2	5	2	7	1	7	2	6	2	8	2	6	2	6	2	70
1400-1500	3	1	6	2	5	2	7	1	7	2	6	2	8	2	6	2	6	2	70
1500-1600	3	1	5	2	4	1	4	1	7	1	3	1	6	1	6	1	. 5	2	54
1600-1700	3	1	5	2	4	1	4	1	7	1	3	1	6	1	6	1	. 5	2	54
1700-1800	3	1	2	1	2	1	1		3	1			5	1	4		4		29
1800-1900	3	1	2	1	2	1	1		3	1			5	1	4		4		29



Table 5. Demographics of interview respondents

rubic 5. Demograpmes	Upper River Lowe	Upper River Lower River		
Montana resident:	26.8% (250/93566.19	Opper River Li	OWEI MIVEI	
Alabama	6 (0.9%)	0 Beaverhead	3	2
Arizona	26 (3.9%)	8 Bighorn	3	2
Alaska	2 (0.3%)	Broadwater		1
Arkansas	2 (0.5%)	Cascade	2	1
California	108	34 Deer Lodge	2	2
Colorado	37	17 Fallon		1
Connecticut	1			2
Florida	34	2 Fergus 9 Flathead	5	1
	17	7 Gallatin	128	372
Georgia Hawaii	1	Jefferson	120	1
Idaho		3 Lewis and Clark	F	
	30		5	7
Illinois	12	7 Madison	78	8
Indiana	6	3 McCone	0	1
lowa	2 (0.3%)	3 Missoula	9	5
Kansas	1	1 Park		4
Kentucky	4	3 Phillips	_	1
Louisiana	4	2 Powell	1	•
Maine	1	Silver Bow	3	9
Maryland	5	3 Yellowstone	7	23
Massachusetts	4	4		
Michigan	11	4		
Minnesota	15	6		
Mississippi	6	2		
Missouri	4	1		
Nebraska	4			
Nevada	17	5		
New Hampshire	3			
New Jersey	2 (0.3%)	3		
New Mexico	4			
New York	21	6		
North Carolina	24	6		
North Dakota	1	1		
Ohio	12	3		
Oklahoma	1			
Oregon	19	7		
Pennsylvania	36	4		
South Carolina	11	2		
South Dakota	5	4		
Tennessee	24	5		
Texas	40	19		
Utah	39	8		
Vermont	3	4		
Virginia	8	2		
Washington	32	11		
Washington, DC	3			
West Virginia	5			
Wisconsin	5	2		
Wyoming	14	3		

Table 6. Launch and take-out Launch site (number trips) %	sites for floaters on the upper Madison River guided Take-out site	Table 7. Launch and take-out sites Launch site (number trips)	for floaters on the lower Madison River % guided Take-out site
Three Dollar Bridge (1)	0% Lyon's Bridge (1)	Madison Dam (5)	40.0% Warm Springs (5)
Pine Butte (1)	100% Windy Point (1)	Bear Trap Canyon (3)	33.3% Black's Ford (1) Greycliff (1)
Lyon's Bridge (166)	63.80% Windy Point (35) Palisades (65) Ruby Creek (41) McAtee Bridge (4) Storey Ditch (1) Don't know (20)	Warm Springs (351)	Headwaters (1)  7.7% Warm Springs (1)  California Corner (1)  Canaday/Red Mountain (11)  Damselfly (34)  Black's Ford (288)
Windy Point (41)	73.20% Palisades (1) Ruby Creek (10) McAtee Bridge (10) Storey Ditch (15) Varney Bridge (1) Don't know (4)	California Corner (74)	High Bank (1) Greycliff (12) Cobblestone (1) Don't know (2)  9.5% Canaday/Red Mountain (3)
Palisades (35)	62.80% Ruby Creek (4) McAtee Bridge (7) Storey Ditch (22)	Goodew (Red Mountain (20)	Damselfly (6) Black's Ford (63) Greycliff (2)
Ruby Creek (24)	79.20% McAtee Bridge (1) Storey Ditch (8) Varney Bridge (15)	Canaday/Red Mountain (30)	3.3% Damselfly (3) Black's Ford (24) Greycliff (2) Don't know (1)
McAtee Bridge (30)	73.30% Storey Ditch (1) Varney Bridge (25) Private property (2) Don't know (2)	Damselfy (16)	0.0% Black's Ford (7) High Bank (3) Greycliff (6)
Storey Ditch (20)	85.00% Varney Bridge (11)  Eight Mile Ford (6)  Burnt Tree Hole (1)  Ennis (1)  Don't know (1)	Black's Ford (13)  High Bank (3)	0.0% High Bank (1) Greycliff (10) Cobblestone (1) Milwaukee/I-90/Blackbird (1)  0.0% Greycliff (1)
Varney Bridge (69)	43.50% Eight Mile Ford (15)  Burnt Tree Hole (9)  Ennis (33)  Don't know (3)	Greycliff (9)	Cobblestone (2)  22.2% Cobblestone (5) Milwaukee/I-90/Blackbird (4)
Eight Mile Ford (23)	Private property (1)  43.50% Burnt Tree Hole (1)  Ennis (15)  Valley Garden (3)	Cobblestone (5)  Milwaukee/I-90/Blackbird (26)	0.0% Milwaukee/I-90/Blackbird (4) Headwaters (1)  0.0% Headwaters (26)
Burnt Tree Hole (7)	Don't know (2)  42.90% Ennis (4)  Valley Garden (2)  Clute's (1)		
Ennis (10)	20.00% Valley Garden (3) Clute's (3) Don't know (4)		
Clute's (16)	0.00% Clute's (16)		

Table 7. List of primary activities identified by access sites users. For sites where individual activities don't add up to the site number in first column, then it indicates that several activities were indicated without priority.

Site	Guided boat fishing	Private boat fishing	Guided wade fishing	Private wade fishing	Guided non- fishing float trip	Private non- fishing float trip	Swimming		Non-river use
Bear Trap Canyon (54)				37	<u>'</u>		2		15
Warm Springs (219)	į	5 2	2	3	8	3 33		149	1
California Corner (55)	!	5	2	2		6		37	4
Canaday/Red Mountain (33)	:	1	5	6	j	2	1	17	4
Damselfy (40)	:	2 1	2	1	-	15	1	12	1
Black's Ford (169)	10	5 1	4	2	: 3	3 23	1	111	2
High Bank (17)			2	3		2	- 1	7	3
Greycliff (14)	3	3	3	1		6		1	1
Cobblestone (22)			1	11		8		2	2
Milwaukee/I-90/Blackbird (24)	3	3		4		8		8	1
Headwaters (12)			3			6		3	2

Table 9. Response to question: "On a scale of 1 to 5, with 1 being very unacepptable and 5 being very acceptable, how acceptable was the number of p and their vehicles at this access site today?"

Site	,	Average score	% scoring 1	% scoring 2	% scoring 3	% scoring 4	% scoring 5	
Raynold's Brid	dge/Three Dollar Bridge (141)	4.40	0	3	18	46	74	
Eagle's Nest/\	West Fork (54)	4.35	0	1	9	14	30	
Lyon's Bridge	(112)	4.33	2	5	15	22	. 68	
Windy Point (	56)	4.55	1	2	4	7	42	
Palisades (72)	1	4.64	0	1	5	13	53	
Ruby Creek (5	51)	4.29	0	3	10	7	31	
McAtee Bridg	e (43)	4.42	2	1	4	6	30	
Storey Ditch (	52)	4.52	0	3	3	10	36	
Varney Bridge	e (67)	4.43	1	2	7	14	43	
Eight Mile For	rd (53)	4.62	0	1	5	7	40	
Burnt Tree Ho	ole (30)	4.53	1	2	0	4	23	
Ennis (54)		4.39	1	0	8	13	32	
Valley Garder	n (76)	4.45	0	1	12	15	48	
Clute's (33)		4.55	1	1	3	2	26	
Madison Dam	n/Powerhouse (33)	4.69	0	0	2	1	. 30	

Table 10. List of primary activities identified by access sites users. For sites where individual activities don't add up to the site number in first column, then it indicates that several activities were indicated without priority.

Site	Average score	% scoring 1	% scoring 2	% scoring	% scorin	g % s 5	coring	
Bear Trap Canyon (54)	4.64	. 1		6	;	3	44	
Warm Springs (216)	4.56	5 2	. 6	15	5 4	0	153	
California Corner (55)	4.82	<u>!</u>		2	!	6	47	
Canaday/Red Mountain (33)	4.91	-		1	-	1	31	
Damselfy (40)	4.73	3		2	<u>.</u>	7	31	
Black's Ford (169)	4.53	3 2	5	12	3	3	117	
High Bank (17)	4.88	3		3			16	
Greycliff (14)	4.86	5	/			2	12	
Cobblestone (22)	4.82					4	18	
Milwaukee/I-90/Blackbird (26	5) 4.56	5 1		1	-	5	19	
Headwaters (12)	4.92	2				1	11	

Table 7. List of activities identified by access sites users. For sites where individual activities don't add up to the site number in first column, then it indicates that several activities were indicated without priority.

Site	Guided boat fishing	Private boat fishing	Guided wade fishing	Private wade fishing	Guided non- fishing float trip	Private non- fishing float trip	Swimming	Tubing	Non-river use
Raynold's Bridge/Three Dollar Bridge (142)			3	15 11	5				8
Eagle's Nest/West Fork (54)			1	3 48	<mark>3</mark>				2
Lyon's Bridge (114)	6	3	30	13	3 :	1 4	1		4
Windy Point (58)	3	3	17		4	:	L		3
Palisades (73)	3	5	19	•	7	2	1 :	1	8
Ruby Creek (53)	3	5	13	;	3	1	L :	1	
McAtee Bridge (43)	1	9	6	1!	5	=			2
Storey Ditch (52)	4	0	7	!	5				1
Varney Bridge (69)	4	1	19		7	5	3		
Eight Mile Ford (53)	1	7	10	19	3	1 4	1		3
Burnt Tree Hole (30)		6	8	2	7		2		6
Ennis (55)	2	1	16	1	3	į	5	1	1 3
Valley Garden (78)		8	2	2 50	5	3	3 :	1	7
Clute's (34)			<mark>17</mark>	1	5 :	1 4	1		7
Madison Dam/Powerhouse (37)				18	3	2	1 !	5	10

Table X. Number of shifts worked at each access site on the upper Madison River, May 25-September 29, 2021 Site

Number of shifts

	May 25-M Jun	e 1-15 Jun	e 16-3( July	1-15 July	/ 16-31 Aug	1-15 Aug	16-31 Sep	t 1-15 Sep	t 16-3( Tot	al
Raynold's Pass/Three Dollar Bridge	1	2	2	2	3	2	3	2	1	18
Eagle's Nest/West Fork	1	2	2	2	3	2	3	2	1	18
Lyon's Bridge	1	2	2	2	3	2	3	2	1	18
Windy Point	1	2	2	2	2	2	2	3	2	18
Palisades	1	2	2	2	2	2	2	3	2	18
Ruby Creek	1	2	2	2	2	2	2	3	2	18
McAtee Bridge	1	2	2	2	2	2	2	3	2	18
Storey Ditch	1	2	1	1	3	2	3	1	3	17
Varney Bridge	1	2	1	1	3	2	3	1	3	17
Eight Mile Ford	1	2	1	1	3	2	3	1	3	17
Burnt Tree Hole	1	2	1	1	2	2	3	1	3	16
Ennis/Town	1	2	2	3	1	2	2	2	2	17
Valley Garden	1	2	2	3	1	2	2	2	2	17
Clute's/Ennis Lake	1	2	2	3	1	2	2	2	2	17
Madison Dam/powerhouse	1	2	2	3	1	2	2	2	2	17

Table X. Number of shifts worked at each access site on the lower Madison River, May 25-September 12 2021 Site

Number of shifts

Site	Number of sh	nifts							
	May 25-M Jur	ne 1-15 June	e 16-3( July	/ 1-15 July	16-31 Aug	1-15 Aug	16-31 Sep	t 1-15 Tot	al
Bear Trap Canyon	2	2	5	3	4	3	3	1	23
Warm Springs	2	2	4	4	2	2	3	0	19
California Corner	2	2	3	4	0	4	3	0	18
Canaday/Red Mountain	2	3	2	5	0	3	2	0	17
Damselfly	2	4	4	4	1	4	1	0	20
Black's Ford	1	5	3	4	3	4	1	0	21
High Bank	1	5	3	4	3	3	2	0	21
Greycliff	0	3	2	2	3	4	1	1	16
Cobblestone	1	2	2	2	4	3	1	2	17
Milwaukee/I-90/Blackbird	1	2	3	2	4	3	1	2	18
Headwaters	2	2	5	2	4	3	2	2	22

On a scale of 1 to 5, with 1 being very unacceptable and 5 being very acceptable, how acceptable was the number of boats you observed while using the river today? (115)
On a scale of 1 to 5, with 1 being very unacceptable and 5 being

On a scale of 1 to 5, with 1 being very unacceptable and 5 being very acceptable, how acceptable was the number of wade anglers you observed while using the river today? (113)

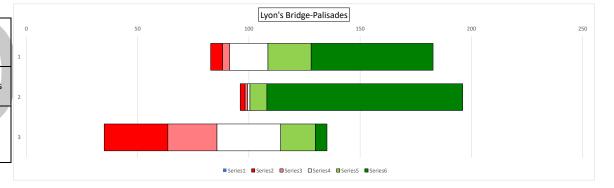
On a scale of 1-5, with 1 being not crowded and 5 being very crowded, how crowded did you feel on the river today? (82)

On a scale of 1-5, with 1 being very ineffective and 5 being very effective, how effective do you feel the rule was in creating a positive recreational experience today? (60)

On a scale of 1 to 5, with 1 being very unacceptable and 5 being very acceptable, how acceptable was the number of boats you observed while using the river today? (93)

On a scale of 1 to 5, with 1 being very unacceptable and 5 being very acceptable, how acceptable was the number of wade anglers you observed while using the river today? (92)

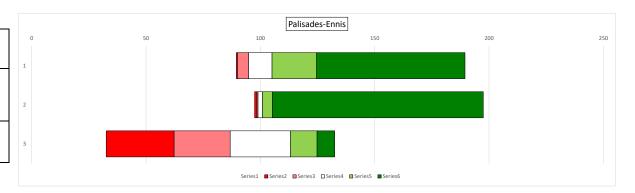
On a scale of 1-5, with 1 being not crowded and 5 being very crowded, how crowded did you feel on the river today? (77)



On a scale of 1 to 5, with 1 being very unacceptable and 5 being very acceptable, how acceptable was the number of boats you observed while using the river today? (205)

On a scale of 1 to 5, with 1 being very unacceptable and 5 being very acceptable, how acceptable was the number of wade anglers you observed while using the river today? (210)

On a scale of 1-5, with 1 being not crowded and 5 being very crowded, how crowded did you feel on the river today? (155)

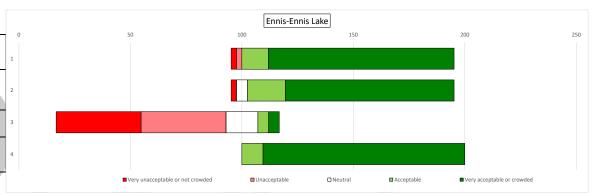


On a scale of 1 to 5, with 1 being very unacceptable and 5 being very acceptable, how acceptable was the number of boats you observed while using the river today? (42)

On a scale of 1 to 5, with 1 being very unacceptable and 5 being very acceptable, how acceptable was the number of wade anglers you observed while using the river today? (41)

On a scale of 1-5, with 1 being not crowded and 5 being very crowded, how crowded did you feel on the river today? (21)

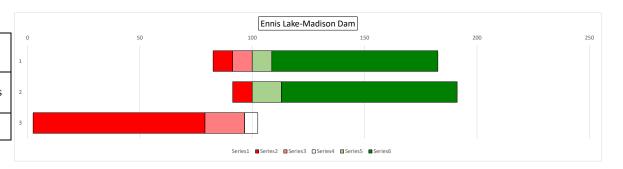
On a scale of 1-5, with 1 being very ineffective and 5 being very effective, how effective do you feel the rule was in creating a positive recreational experience today? (21)



On a scale of 1 to 5, with 1 being very unacceptable and 5 being very acceptable, how acceptable was the number of boats you observed while using the river today? (23)

On a scale of 1 to 5, with 1 being very unacceptable and 5 being very acceptable, how acceptable was the number of wade anglers you observed while using the river today? (23)

On a scale of 1-5, with 1 being not crowded and 5 being very crowded, how crowded did you feel on the river today? (17)

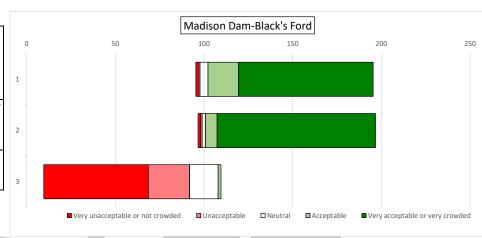


## DRAFT

On a scale of 1 to 5, with 1 being very unacceptable and 5 being very acceptable, how acceptable was the number of boats/tubes you observed while using the river today? (217)

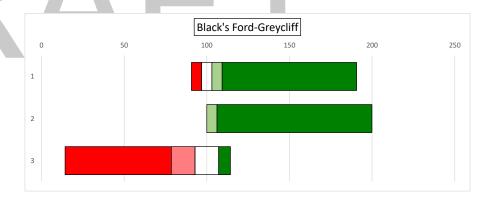
On a scale of 1 to 5, with 1 being very unacceptable and 5 being very acceptable, how acceptable was the number of wade anglers you observed while using the river today? (216)

On a scale of 1-5, with 1 being not crowded and 5 being very crowded, how crowded did you feel on the river today? (185)



On a scale of 1 to 5, with 1 being very unacceptable and 5 being very acceptable, how acceptable was the number of boats/tubes you observed while using the river today? (16)
On a scale of 1 to 5, with 1 being very unacceptable and 5 being very acceptable, how acceptable was the number of wade anglers you observed while using the river today? (16)

On a scale of 1-5, with 1 being not crowded and 5 being very crowded, how crowded did you feel on the river today? (14)



On a scale of 1 to 5, with 1 being very unacceptable and 5 being very acceptable, how acceptable was the number of boats/tubes you observed while using the river today? (24)

On a scale of 1 to 5, with 1 being very unacceptable and 5 being very acceptable, how acceptable was the number of wade anglers you observed while using the river today? (24)

On a scale of 1-5, with 1 being not crowded and 5 being very crowded, how crowded did you feel on the river today? (16)
On a scale of 1-5, with 1 being very ineffective and 5 being very effective, how effective do you feel the rule was in creating a positive recreational experience today? (9)

