

# Creel and Lake Information

## Lake Information

**Lake Name:** Sharpe  
**Lake Code:** FTR-Lake-6327-001  
**Surface Area:** 23,738.91 Hectares  
**County:** Hughes  
**Start Date:** 5/2/2017  
**End Date:** 8/31/2017  
**Months Included:** May, June, July, August

Table 1. Percent of angling parties interviewed primarily targeting a species (or any species) by month and overall for Sharpe during 2016 - 2017. Any Species (ANY), Channel Catfish (CCF), Common Carp (COC), Sauger (SAR), Smallmouth Bass (SMB), Walleye (WAE), White Bass (WHB), Yellow Perch (YEP).

Year	Month	# of Interviews	Percent of Anglers Targeting							
			ANY	CCF	COC	SAR	SMB	WAE	WHB	YEP
2017	May	389	23.4	1.8	0.0	0.0	1.5	63.2	3.9	0.0
	June	256	27.3	3.1	0.0	0.0	2.0	65.6	0.4	0.0
	July	230	16.5	3.0	0.0	0.0	0.0	80.0	0.0	0.0
	August	170	20.0	2.9	0.0	0.0	1.2	75.3	0.0	0.0
	Overall	1045	22.3	2.6	0.0	0.0	1.2	69.5	1.5	0.0

Table 2. Monthly and overall number of interviews, angler hours, angler days, mean trip length, mean party size, percent of parties interviewed that were South Dakota residents, percent of angling activity from a boat or shack and percent of angling activity that occurred on weekends and holidays at Sharpe (80% confidence interval).

Year	Month	# Interviews	Angler Hours	Angler Days	Trip Length (h)	Party Size	% SD Residents	% Boat or Shack	% Weekend/Holidays
2017	May	389	113,744 (24,474)	32,685	3.48 (0.49)	2.17 (0.28)	88	60	52
	June	256	94,893 (19,965)	26,806	3.54 (0.50)	2.44 (0.32)	86	57	59
	July	230	91,347 (13,428)	29,092	3.14 (0.44)	2.20 (0.27)	80	81	55
	August	170	39,850 (7,295)	10,570	3.77 (0.42)	2.35 (0.21)	82	73	71
	Overall	1045	339,835 (35,087)	97,654	3.48 (0.23)	2.29 (0.13)	85	66	58

Table 3. Estimated fishing pressure (angler hours) by month during the summer season 2017 daylight period on Sharpe (80% confidence interval).

Zone	Month				Total
	April	May	June	July	
Lower	60,017 (23,078)	66,299 (19,574)	59,095 (12,750)	17,904 (4,725)	203,316 (33,175)
Middle	14,485 (3,732)	9,187 (2,185)	8,377 (1,860)	7,842 (2,986)	39,891 (5,575)
Upper	39,242 (7,245)	19,408 (3,272)	23,875 (3,781)	14,104 (4,687)	96,629 (9,973)

Table 4. Estimated number of fish harvested for selected species, by zone during the May-August 2017 daylight period on Sharpe (80% confidence interval).

Species	Zone			Total
	Lower	Middle	Upper	
Channel Catfish	1,162 (598)	967 (445)	965	3,095 (1,043)
Common Carp	0	0	85 (83)	85 (83)
Sauger	744 (406)	704 (930)	677 (198)	2,125 (1,534)
Smallmouth Bass	12,255 (4,149)	731 (399)	338 (203)	13,324 (4,751)
Walleye	106,880 (20,073)	8,241 (2,408)	27,250 (4,222)	142,370 (26,702)
White Bass	342 (322)	414 (182)	2,560 (977)	3,316 (1,482)
Yellow Perch	1,255 (413)	0	95 (110)	1,351 (523)

Table 5. Estimated number of fish harvested, by species and month, for the summer season 2017 daylight period on Sharpe (80% confidence interval).

Species	Month				Total
	May	June	July	August	
Channel Catfish	874	172 (135)	1,711 (718)	337 (192)	2,758 (852)
Common Carp	25 (31)	60 (77)	0	0	85 (109)
Sauger	1,508 (1,011)	463 (209)	133 (52)	21 (15)	2,104 (1,272)
Smallmouth Bass	5,474 (3,353)	4,108 (2,220)	3,063 (1,061)	678 (340)	12,645 (6,634)
Walleye	49,833 (14,631)	29,156 (8,674)	48,551 (11,127)	14,829 (3,661)	127,541 (34,432)
White Bass	2,447 (944)	678 (425)	143 (137)	48 (31)	3,268 (1,506)
Yellow Perch	525 (294)	289 (212)	451 (221)	86 (52)	1,265 (727)
Total	60,687 (20,265)	34,927 (11,951)	54,052 (13,315)	15,999 (4,292)	149,666 (45,531)

Table 6a. Estimated monthly and overall angler catch rate per hour fished (C/h) for all anglers by species at Sharpe (80% confidence interval). Abbreviations for species are as follows: Channel Catfish (CCF), Common Carp (COC), Sauger (SAR), Smallmouth Bass (SMB), Walleye (WAE), White Bass (WHB), Yellow Perch (YEP) and other species (Other).

Year	Month	CCF	COC	SAR	SMB	WAE	WHB	YEP
		C/h	C/h	C/h	C/h	C/h	C/h	C/h
2017	May	0.02 (0.01)	<0.01 (<0.01)	0.02 (0.02)	0.26 (0.27)	1.27 (0.61)	0.07 (0.03)	0.01 (<0.01)
	June	0.02 (<0.01)	<0.01 (<0.01)	0.01 (<0.01)	0.22 (0.10)	1.68 (0.85)	0.04 (0.02)	0.01 (<0.01)
	July	0.06 (0.02)	0.01 (<0.01)	<0.01 (<0.01)	0.10 (0.04)	1.23 (0.46)	0.01 (<0.01)	0.02 (0.01)
	August	0.05 (0.04)	0.01 (<0.01)	<0.01 (<0.01)	0.07 (0.08)	0.69 (0.28)	0.03 (0.02)	0.02 (0.02)
	Overall	0.03 (<0.01)	<0.01 (<0.01)	0.01 (<0.01)	0.18 (0.09)	1.31 (0.33)	0.04 (0.01)	0.01 (<0.01)

Table 6b. Estimated monthly and overall angler harvest rate per hour fished (H/h) for all anglers by species at Sharpe (80% confidence interval). Abbreviations for species are as follows: Channel Catfish (CCF), Common Carp (COC), Sauger (SAR), Smallmouth Bass (SMB), Walleye (WAE), White Bass (WHB), Yellow Perch (YEP) and other species (Other).

Year	Month	CCF	COC	SAR	SMB	WAE	WHB	YEP
		H/h	H/h	H/h	H/h	H/h	H/h	H/h
2017	May	0.01	<0.01 (<0.01)	0.01 (0.01)	0.05 (0.04)	0.44 (0.21)	0.02 (0.01)	<0.01 (<0.01)
	June	<0.01 (<0.01)	<0.01 (<0.01)	<0.01 (<0.01)	0.04 (0.03)	0.31 (0.16)	0.01 (<0.01)	<0.01 (<0.01)
	July	0.02 (<0.01)	0.00	<0.01 (<0.01)	0.03 (0.02)	0.53 (0.20)	<0.01 (<0.01)	<0.01 (<0.01)
	August	0.01 (<0.01)	0.00	<0.01 (<0.01)	0.02 (<0.01)	0.37 (0.14)	<0.01 (<0.01)	<0.01 (<0.01)
	Overall	0.01 (<0.01)	<0.01 (<0.01)	0.01 (<0.01)	0.04 (0.02)	0.42 (0.10)	0.01 (<0.01)	<0.01 (<0.01)

Table 7a. Estimated monthly and overall angler catch rate per hour fished (C/h) only for anglers primarily targeting a species at Sharpe. (80% confidence interval). Abbreviations for species are as follows: Channel Catfish (CCF), Common Carp (COC), Sauger (SAR), Smallmouth Bass (SMB), Walleye (WAE), White Bass (WHB), Yellow Perch (YEP) and Other Species (Other).

Year	Month	CCF	COC	SAR	SMB	WAE	WHB	YEP
		C/h	C/h	C/h	C/h	C/h	C/h	C/h
2017	May	0.30 (0.05)	0.00	0.00	2.98 (1.65)	1.28 (0.98)	0.51 (0.19)	0.00
	June	0.15 (0.12)	0.00	0.00	1.98 (0.74)	1.14 (0.21)	0.19	0.00
	July	0.16 (0.15)	0.00	0.00	0.00	1.15 (0.73)	0.00	0.00
	August	0.43	0.00	0.00	1.02 (0.66)	0.69 (0.30)	0.00	0.00
	Overall	0.23 (0.06)	0.00	0.00	2.23 (0.71)	1.08 (0.34)	0.48 (0.18)	0.00



Table 7b. Estimated monthly and overall angler harvest rate per hour fished (H/h) only for anglers primarily targeting a species at Sharpe. (80% confidence interval). Abbreviations for species are as follows: Channel Catfish (CCF), Common Carp (COC), Sauger (SAR), Smallmouth Bass (SMB), Walleye (WAE), White Bass (WHB), Yellow Perch (YEP) and Other Species (Other).

Year	Month	CCF	COC	SAR	SMB	WAE	WHB	YEP
		H/h	H/h	H/h	H/h	H/h	H/h	H/h
2017	May	0.09 (0.03)	0.00	0.00	0.23 (0.46)	0.43 (0.08)	0.25 (0.16)	0.00
	June	0.10 (0.07)	0.00	0.00	0.00	0.22 (0.07)	0.00	0.00
	July	0.16 (0.13)	0.00	0.00	0.00	0.44 (0.15)	0.00	0.00
	August	0.00	0.00	0.00	0.34 (0.80)	0.41 (0.14)	0.00	0.00
	Overall	0.11 (0.05)	0.00	0.00	0.11 (0.17)	0.36 (0.05)	0.23 (0.15)	0.00

Table 8a. Estimated monthly and overall angler catch (C) for all anglers by species at Sharpe (80% confidence interval). Abbreviations for species are as follows: Channel Catfish (CCF), Common Carp (COC), Sauger (SAR), Smallmouth Bass (SMB), Walleye (WAE), White Bass (WHB), Yellow Perch (YEP) and other species (Other).

Year	Month	CCF	COC	SAR	SMB	WAE	WHB	YEP
		C	C	C	C	C	C	C
2017	May	1,944 (706)	268 (148)	2,115 (1,097)	29,499 (21,746)	144,864 (43,526)	7,981 (2,552)	1,077 (509)
	June	1,436 (631)	253 (151)	1,207 (714)	20,810 (7,174)	159,805 (49,746)	3,773 (1,220)	1,027 (565)
	July	5,689 (1,442)	664 (306)	339 (213)	9,249 (2,746)	112,041 (26,730)	921 (385)	2,093 (666)
	August	2,190 (722)	270 (141)	102 (58)	2,894 (1,338)	27,408 (7,212)	1,266 (696)	825 (437)
	Overall	11,259 (1,870)	1,455 (398)	3,762 (1,327)	62,452 (23,101)	444,118 (71,664)	13,941 (2,939)	5,022 (1,101)

Table 8b. Estimated monthly and overall angler harvest (H) for all anglers by species at Sharpe (80% confidence interval). Abbreviations for species are as follows: Channel Catfish (CCF), Common Carp (COC), Sauger (SAR), Smallmouth Bass (SMB), Walleye (WAE), White Bass (WHB), Yellow Perch (YEP) and other species (Other).

Year	Month	CCF	COC	SAR	SMB	WAE	WHB	YEP
		H	H	H	H	H	H	H
2017	May	874	25 (31)	1,508 (1,011)	5,474 (3,353)	49,833 (14,631)	2,447 (944)	525 (294)
	June	172 (135)	60 (77)	463 (209)	4,108 (2,220)	29,156 (8,674)	678 (425)	289 (212)
	July	1,711 (718)	0	133 (52)	3,063 (1,061)	48,551 (11,127)	143 (137)	451 (221)
	August	337 (192)	0	21 (15)	678 (340)	14,829 (3,661)	48 (31)	86 (52)
	Overall	3,095 (658)	85 (83)	2,125 (1,034)	13,324 (4,173)	142,370 (20,653)	3,316 (1,045)	1,351 (427)

Table 9. Estimated number and rate (number per hour) of Channel Catfish (CCF), Common Carp (COC), Sauger (SAR), Smallmouth Bass (SMB), Walleye (WAE), White Bass (WHB), Yellow Perch (YEP) caught and harvested by anglers during the summer and winter fisheries on Sharpe, (80% confidence interval).

**Channel Catfish**

Season	Year	Catch	Harvest	Catch Rate	Harvest Rate
Summer	2008	11,772 (2,342)	4,737 (1,003)	0.04 (0.01)	0.01 (<0.01)
Summer	2009	12,384 (2,498)	7,108 (1,643)	0.03 (<0.01)	0.02 (<0.01)
Summer	2010	10,866 (2,501)	6,384 (1,565)	0.03 (<0.01)	0.02 (<0.01)
Summer	2011	3,434 (878)	1,964 (657)	0.02 (<0.01)	0.01 (<0.01)
Summer	2012	7,086 (2,014)	2,130 (907)	0.02 (<0.01)	0.01 (<0.01)
Summer	2013	13,610 (3,509)	4,954 (2,428)	0.03 (0.01)	0.01 (<0.01)
Summer	2014	5,740 (1,468)	2,433 (1,004)	0.02 (<0.01)	0.01 (<0.01)
Summer	2015	14,051 (2,665)	4,591 (1,704)	0.04 (<0.01)	0.01 (<0.01)
Summer	2017	11,259 (1,870)	3,095 (658)	0.03 (<0.01)	0.01 (<0.01)

**Common Carp**

Season	Year	Catch	Harvest	Catch Rate	Harvest Rate
Summer	2008	1,553 (434)	123 (144)	<0.01 (<0.01)	<0.01 (<0.01)
Summer	2009	2,790 (1,428)	47 (55)	0.01 (<0.01)	<0.01 (<0.01)
Summer	2010	4,404 (1,889)	204 (273)	0.01 (<0.01)	<0.01 (<0.01)
Summer	2011	686 (194)	34 (42)	<0.01 (<0.01)	<0.01 (<0.01)
Summer	2012	1,410 (593)	216 (220)	<0.01 (<0.01)	<0.01 (<0.01)
Summer	2013	2,204 (614)	0	0.01 (<0.01)	0.00
Summer	2014	1,929 (749)	77 (72)	0.01 (<0.01)	<0.01 (<0.01)
Summer	2015	1,993 (526)	0	0.01 (<0.01)	0.00
Summer	2017	1,455 (398)	85 (83)	<0.01 (<0.01)	<0.01 (<0.01)

**Sauger**

Season	Year	Catch	Harvest	Catch Rate	Harvest Rate
Summer	2008	4,644 (1,199)	2,406 (625)	0.01 (<0.01)	0.01 (<0.01)
Summer	2009	6,087 (1,321)	4,024 (947)	0.02 (<0.01)	0.01 (<0.01)
Summer	2010	6,245 (2,782)	2,414 (829)	0.02 (<0.01)	0.01 (<0.01)
Summer	2011	889 (385)	744 (353)	0.01 (<0.01)	<0.01 (<0.01)
Summer	2012	8,585 (4,330)	2,790 (847)	0.03 (0.01)	0.01 (<0.01)
Summer	2013	5,716 (1,985)	2,605 (775)	0.01 (<0.01)	0.01 (<0.01)
Summer	2014	2,922 (1,433)	2,038 (1,025)	0.01 (<0.01)	0.01 (<0.01)
Summer	2015	627 (347)	426 (211)	<0.01 (<0.01)	<0.01 (<0.01)
Summer	2017	3,762 (1,327)	2,125 (1,034)	0.01 (<0.01)	0.01 (<0.01)

**Smallmouth Bass**

Season	Year	Catch	Harvest	Catch Rate	Harvest Rate
Summer	2008	132,454 (23,313)	14,803 (3,475)	0.42 (0.10)	0.05 (0.01)
Summer	2009	131,133 (20,149)	12,239 (2,773)	0.32 (0.08)	0.03 (<0.01)
Summer	2010	91,882 (16,211)	7,128 (1,429)	0.24 (0.06)	0.02 (<0.01)
Summer	2011	41,405 (9,884)	4,321 (1,152)	0.24 (0.08)	0.03 (0.01)
Summer	2012	68,295 (8,643)	16,174 (3,580)	0.21 (0.04)	0.05 (0.01)
Summer	2013	54,653 (8,844)	19,590 (5,287)	0.14 (0.04)	0.05 (0.02)
Summer	2014	54,872 (12,413)	10,964 (3,060)	0.20 (0.06)	0.04 (0.01)
Summer	2015	63,109 (13,200)	17,190 (5,203)	0.20 (0.06)	0.05 (0.02)
Summer	2017	62,452 (23,101)	13,324 (4,173)	0.18 (0.09)	0.04 (0.02)

**Walleye**

Season	Year	Catch	Harvest	Catch Rate	Harvest Rate
Summer	2008	301,749 (35,250)	92,545 (12,391)	0.95 (0.20)	0.29 (0.07)
Summer	2009	478,571 (56,831)	154,132 (18,585)	1.18 (0.24)	0.38 (0.08)
Summer	2010	274,293 (33,284)	136,807 (14,753)	0.71 (0.16)	0.35 (0.07)
Summer	2011	178,666 (28,179)	72,622 (10,304)	1.05 (0.29)	0.43 (0.11)
Summer	2012	539,817 (65,397)	173,049 (19,657)	1.66 (0.31)	0.53 (0.10)
Summer	2013	405,715 (50,112)	232,065 (24,154)	1.02 (0.25)	0.58 (0.12)
Summer	2014	295,844 (40,534)	117,643 (19,504)	1.08 (0.28)	0.43 (0.12)
Summer	2015	305,774 (38,249)	116,826 (15,481)	0.97 (0.20)	0.37 (0.08)
Summer	2017	444,118 (71,664)	142,370 (20,653)	1.31 (0.33)	0.42 (0.10)

**White Bass**

Season	Year	Catch	Harvest	Catch Rate	Harvest Rate
Summer	2008	19,632 (2,883)	7,472 (1,753)	0.06 (0.01)	0.02 (<0.01)
Summer	2009	49,864 (12,633)	20,213 (7,373)	0.12 (0.04)	0.05 (0.02)
Summer	2010	37,324 (12,073)	9,779 (4,231)	0.10 (0.04)	0.03 (0.01)
Summer	2011	9,367 (3,717)	3,408 (1,596)	0.05 (0.02)	0.02 (<0.01)
Summer	2012	15,219 (7,183)	2,764 (1,283)	0.05 (0.02)	0.01 (<0.01)
Summer	2013	14,311	2,797 (907)	0.04	0.01 (<0.01)
Summer	2014	17,815 (4,048)	4,682 (1,810)	0.07 (0.02)	0.02 (<0.01)
Summer	2015	34,232	9,389	0.11	0.03
Summer	2017	13,941 (2,939)	3,316 (1,045)	0.04 (0.01)	0.01 (<0.01)

**Yellow Perch**

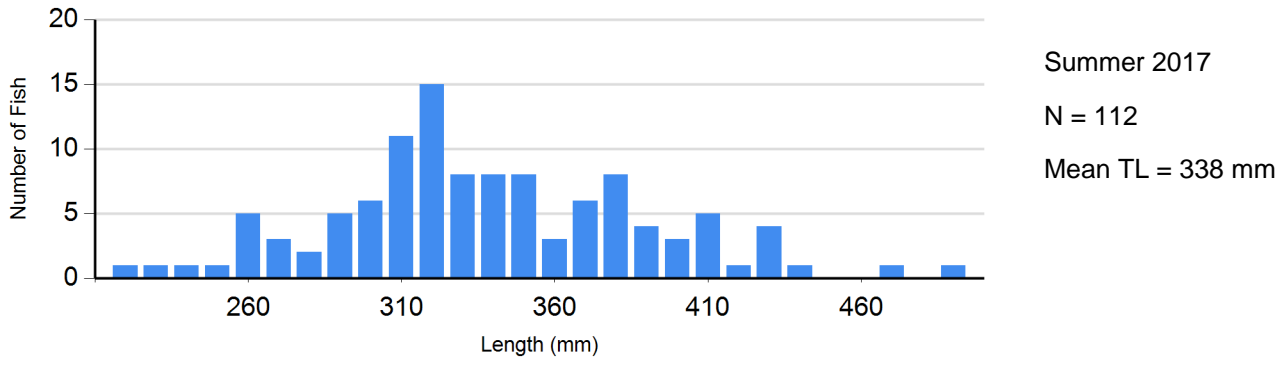
Season	Year	Catch	Harvest	Catch Rate	Harvest Rate
Summer	2008	3,532 (730)	555 (225)	0.01 (<0.01)	<0.01 (<0.01)
Summer	2009	4,639 (1,124)	1,793 (598)	0.01 (<0.01)	<0.01 (<0.01)
Summer	2010	11,044 (1,981)	2,725 (593)	0.03 (<0.01)	0.01 (<0.01)
Summer	2011	3,329 (1,257)	936 (299)	0.02 (<0.01)	0.01 (<0.01)
Summer	2012	4,455 (1,471)	995 (508)	0.01 (<0.01)	<0.01 (<0.01)
Summer	2013	7,908 (2,928)	1,070 (595)	0.02 (<0.01)	<0.01 (<0.01)
Summer	2014	2,386 (708)	1,462 (517)	0.01 (<0.01)	0.01 (<0.01)
Summer	2015	8,130 (2,067)	3,393 (803)	0.03 (<0.01)	0.01 (<0.01)
Summer	2017	5,022 (1,101)	1,351 (427)	0.01 (<0.01)	<0.01 (<0.01)

Table 10. The number of fish harvested with each species by length group (mm) for the winter and summer fisheries at Sharpe. Abbreviations for species are as follows: Channel Catfish (CCF), Common Carp (COC), Sauger (SAR), Smallmouth Bass (SMB), Walleye (WAE), White Bass (WHB), Yellow Perch (YEP).

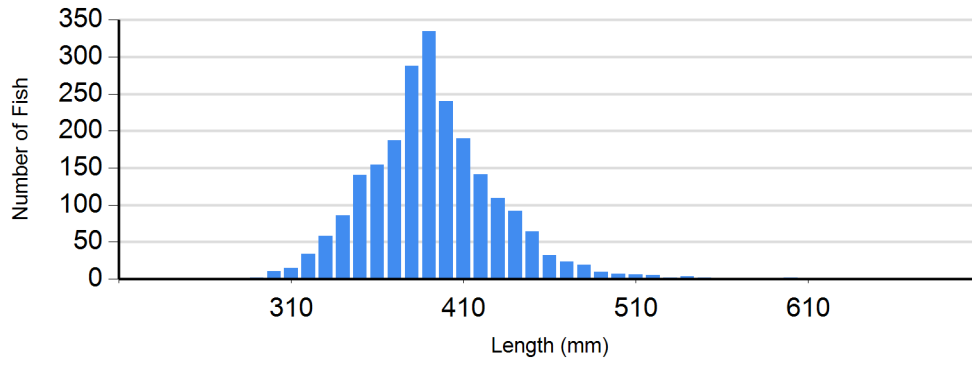
<b>Summer 2017</b>							
Length Group (mm)	CCF (N=0)	COC (N=0)	SAR (N=3)	SMB (N=112)	WAE (N=2262)	WHB (N=0)	YEP (N=0)
220				1	1		
230				1			
240				1			
250				1	1		
260				5	1		
270				3	1		
280				2	1		
290				5	2		
300				6	10		
310				11	15		
320				15	34		
330				8	58		
340				8	86		
350				8	140		
360				3	154		
370				6	187		
380				8	288		
390			1	4	335		
400				3	240		
410			1	5	190		
420				1	141		
430				4	109		
440			1	1	92		
450					64		
460					32		
470				1	23		
480					19		
490				1	9		
500					7		
510					6		
520					5		
530					2		
540					3		
550					2		
560							
570					1		
580							
590							
600					2		
610							
620							
630							
640							
650							
660							
670							
680							
690							
700					1		



Length frequency of angler-harvested Smallmouth Bass measured by the creel clerk during creel surveys on Sharpe.



Length frequency of angler-harvested Walleye measured by the creel clerk during creel surveys on Sharpe.



Summer 2017

N = 2262

Mean TL = 391 mm

South Dakota county of residence for winter and summer resident anglers fishing Sharpe, South Dakota between May 2017 and August 2017.

Summer 2017

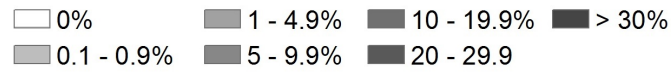
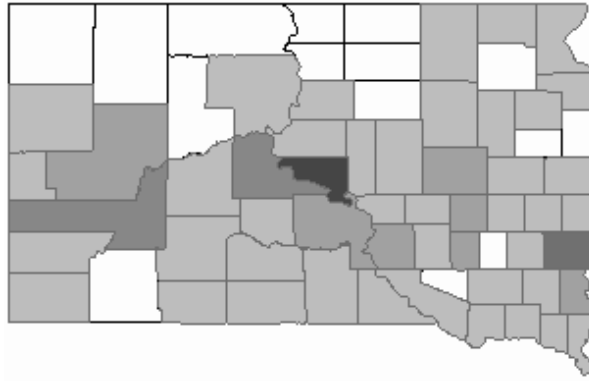


Table 11. Number of parties or anglers interviewed that harvested (or caught) a specified number of fish total over selected strata for a species.

Angler Harvest	Count						
	CCF (n=22)	COC (n=0)	SAR (n=0)	SMB (n=2913)	WAE (n=2913)	WHB (n=28)	YEP (n=0)
0.00	0	0	0	0	0	0	0
0.14	0	0	0	0	1	0	0
0.20	0	0	0	0	2	0	0
0.25	0	0	0	0	4	0	0
0.33	1	0	0	0	16	0	0
0.40	0	0	0	0	8	0	0
0.50	1	0	0	0	45	0	0
0.57	0	0	0	0	4	0	0
0.60	0	0	0	0	3	0	0
0.67	0	0	0	0	34	0	0
0.75	0	0	0	0	6	0	0
0.80	0	0	0	0	4	0	0
0.83	0	0	0	0	5	0	0
1.00	1	0	0	1	97	0	0
1.20	0	0	0	0	6	0	0
1.25	0	0	0	0	10	0	0
1.33	0	0	0	0	32	0	0
1.40	0	0	0	0	7	0	0
1.50	9	0	0	0	105	0	0
1.67	0	0	0	0	45	0	0
1.75	0	0	0	0	21	0	0
2.00	4	0	0	0	204	4	0
2.25	0	0	0	0	27	0	0
2.33	0	0	0	0	35	0	0
2.50	0	0	0	0	105	0	0
2.67	0	0	0	0	88	0	0
2.75	0	0	0	0	11	0	0
2.86	0	0	0	0	20	0	0
3.00	6	0	0	0	255	0	0
3.25	0	0	0	0	13	0	0
3.33	0	0	0	20	40	0	0
3.50	0	0	0	0	175	0	0
3.67	0	0	0	0	110	0	0
3.75	0	0	0	0	30	0	0
4.00	0	0	0	0	1304	8	0
4.50	0	0	0	0	9	0	0
5.00	0	0	0	10	0	0	0
6.00	0	0	0	0	6	0	0
7.50	0	0	0	0	15	0	0
8.00	0	0	0	0	0	16	0
11.00	0	0	0	0	11	0	0

15.00

0

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