

# Creel and Lake Information

## Lake Information

**Lake Name:** Francis Case  
**Lake Code:** FTR-Lake-6327-000  
**Surface Area:** 35,615.17 Hectares  
**County:** Charles Mix  
**Start Date:** 4/1/2018  
**End Date:** 7/29/2018  
**Months Included:** April, May, June, July

Table 1. Percent of angling parties interviewed primarily targeting a species (or any species) by month and overall for Francis Case during 2017 - 2018. Any Species (ANY), Channel Catfish (CCF), Paddlefish (PAH), Smallmouth Bass (SMB), Walleye (WAE), White Bass (WHB), White Crappie (WHC).

Year	Month	# of Interviews	Percent of Anglers Targeting						
			ANY	CCF	PAH	SMB	WAE	WHB	WHC
2017	April	232	2.2	0.0	0.0	3.4	94.4	0.0	0.0
	May	311	0.3	0.6	0.6	2.3	96.1	0.0	0.0
	June	252	2.0	0.0	0.0	0.8	97.2	0.0	0.0
	July	218	2.8	0.9	0.0	0.5	95.4	0.5	0.0
	Overall	1013	1.7	0.4	0.2	1.8	95.9	0.1	0.0
2018	April	191	0.0	1.0	0.0	1.0	97.9	0.0	0.0
	May	402	4.7	0.5	0.7	3.5	89.6	0.5	0.2
	June	307	4.6	0.0	0.0	1.0	94.5	0.0	0.0
	July	146	3.4	3.4	0.0	1.4	91.8	0.0	0.0
	Overall	1046	3.6	0.9	0.3	2.0	92.8	0.2	0.1

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 Francis Case (80% confidence interval).

Year	Month	# Interviews	Angler Hours	Angler Days	Trip Length (h)	Party Size	% SD Residents	% Boat or Shack	% Weekend/Holidays
2017	April	232	76,693 (18,014)	18,131	4.23 (0.32)	2.16 (0.42)	66.38	86	75
	May	311	171,441 (24,896)	39,963	4.29 (0.78)	2.37 (0.36)	65.59	96	60
	June	252	229,223 (28,371)	51,627	4.44 (0.46)	2.42 (0.23)	69.05	97	63
	July	218	86,174 (12,506)	21,490	4.01 (0.35)	2.06 (0.21)	74.77	95	77
	Overall	1013	563,531 (43,653)	132,908	4.24 (0.26)	2.25 (0.16)	68.61	94	68
2018	April	191	67,656 (19,647)	15,102	4.48 (0.53)	2.09 (0.25)	60.21	97	59
	May	402	220,658 (31,368)	48,818	4.52 (0.73)	2.43 (0.33)	63.68	89	54
	June	307	160,075 (24,306)	34,277	4.67 (0.24)	2.55 (0.11)	59.28	100	56
	July	146	77,685 (14,763)	18,674	4.16 (0.28)	2.27 (0.17)	66.44	97	59
	Overall	1046	526,075 (46,677)	118,219	4.45 (0.24)	2.33 (0.12)	62.14	95	56

Table 3. Estimated fishing pressure (angler hours) by month during the summer season 2018 daylight period on Francis Case (80% confidence interval).

Zone	Month				Total
	April	May	June	July	
Lower	3,993 (1,690)	46,597 (22,251)	46,218 (10,126)	33,916 (7,800)	130,724 (25,717)
Middle	16,106 (8,986)	74,043 (14,356)	62,076 (16,696)	20,284 (5,917)	172,509 (24,508)
Upper	47,558 (17,390)	100,018 (16,815)	51,781 (14,474)	23,486 (11,049)	222,841 (30,277)

Table 4. Estimated number of fish harvested for selected species, by zone during the May-August 2018 daylight period on Francis Case (80% confidence interval).

Species	Zone			
	Lower	Middle	Upper	Total
Channel Catfish	3,475 (2,328)	1,508 (677)	5,496 (3,863)	10,479 (6,867)
Paddlefish	0	0	0	0
Smallmouth Bass	2,699 (1,675)	2,989 (879)	2,733 (1,147)	8,421 (3,701)
Walleye	25,593 (6,557)	38,356 (6,836)	60,783 (11,579)	124,732 (24,972)
White Bass	233 (193)	386 (164)	9,671 (6,864)	10,290 (7,221)
White Crappie	53 (74)	173 (175)	0	226 (249)

Table 5. Estimated number of fish harvested, by species and month, for the summer season 2018 daylight period on Francis Case (80% confidence interval).

Species	Month				Total
	April	May	June	July	
Channel Catfish	776 (557)	3,372 (1,833)	680 (335)	5,651 (4,125)	10,479 (4,560)
Paddlefish	0	0	0	0	0
Smallmouth Bass	220 (180)	5,792 (2,146)	2,341 (498)	68 (87)	8,421 (2,212)
Walleye	10,546 (5,620)	65,178 (10,580)	33,632 (6,457)	15,376 (6,210)	124,732 (14,960)
White Bass	0	2,970 (1,678)	1,817 (1,109)	5,503 (6,568)	10,290 (6,869)
White Crappie	0	226 (190)	0	0	226 (190)
Total	11,541 (6,357)	77,538 (16,427)	38,470 (8,400)	26,599 (16,990)	154,148 (28,791)

Table 6a. Estimated monthly and overall angler catch rate per hour fished (C/h) for all anglers by species at Francis Case (80% confidence interval). Abbreviations for species are as follows: Channel Catfish (CCF), Paddlefish (PAH), Smallmouth Bass (SMB), Walleye (WAE), White Bass (WHB), White Crappie (WHC) and other species (Other).

Year	Month	CCF	PAH	SMB	WAE	WHB	WHC
		C/h	C/h	C/h	C/h	C/h	C/h
2017	April	0.02 (<0.01)	0.00	0.09 (0.05)	0.44 (0.21)	0.03 (0.03)	0.00
	May	0.01 (0.01)	<0.01 (<0.01)	0.14 (0.05)	0.81 (0.25)	0.04 (0.02)	<0.01 (<0.01)
	June	0.02 (<0.01)	0.00	0.10 (0.06)	0.75 (0.24)	0.05 (0.02)	<0.01 (<0.01)
	July	0.07 (0.04)	0.00	0.05 (0.02)	0.45 (0.19)	0.08 (0.03)	<0.01 (<0.01)
	Overall	0.03 (<0.01)	<0.01 (<0.01)	0.11 (0.03)	0.68 (0.13)	0.05 (0.01)	<0.01 (<0.01)
2018	April	0.02 (0.02)	<0.01 (<0.01)	0.02 (0.02)	0.37 (0.30)	0.01 (<0.01)	0.00
	May	0.03 (0.02)	<0.01 (<0.01)	0.18 (0.13)	1.08 (0.34)	0.05 (0.02)	<0.01 (<0.01)
	June	0.04 (0.02)	0.00	0.06 (0.03)	0.87 (0.31)	0.04 (0.01)	0.00
	July	0.17 (0.10)	0.00	0.03 (0.02)	0.45 (0.26)	0.16 (0.18)	0.00
	Overall	0.05 (0.02)	<0.01 (<0.01)	0.10 (0.05)	0.83 (0.18)	0.06 (0.03)	<0.01 (<0.01)

Table 6b. Estimated monthly and overall angler harvest rate per hour fished (H/h) for all anglers by species at Francis Case (80% confidence interval). Abbreviations for species are as follows: Channel Catfish (CCF), Paddlefish (PAH), Smallmouth Bass (SMB), Walleye (WAE), White Bass (WHB), White Crappie (WHC) and other species (Other).

Year	Month	CCF	PAH	SMB	WAE	WHB	WHC
		H/h	H/h	H/h	H/h	H/h	H/h
2017	April	<0.01	0.00	0.02 (<0.01)	0.17 (0.07)	<0.01 (<0.01)	0.00
	May	<0.01 (<0.01)	<0.01 (<0.01)	0.03 (0.01)	0.35 (0.10)	0.01 (<0.01)	<0.01 (<0.01)
	June	0.01 (<0.01)	0.00	0.02 (0.01)	0.25 (0.08)	0.02 (0.02)	0.00
	July	0.02 (<0.01)	0.00	0.01 (0.01)	0.22 (0.12)	0.02 (0.01)	0.00
	Overall	0.01 (<0.01)	<0.01 (<0.01)	0.02 (<0.01)	0.26 (0.05)	0.02 (<0.01)	<0.01 (<0.01)
2018	April	0.01 (<0.01)	0.00	<0.01 (<0.01)	0.16 (0.14)	0.00	0.00
	May	0.02 (0.01)	0.00	0.03 (0.02)	0.30 (0.09)	0.01 (<0.01)	<0.01 (<0.01)
	June	<0.01 (<0.01)	0.00	0.01 (<0.01)	0.21 (0.07)	0.01 (<0.01)	0.00
	July	0.07 (0.06)	0.00	<0.01 (<0.01)	0.20 (0.09)	0.07 (0.09)	0.00
	Overall	0.02 (<0.01)	0.00	0.02 (<0.01)	0.24 (0.05)	0.02 (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 Francis Case. (80% confidence interval). Abbreviations for species are as follows: Channel Catfish (CCF), Paddlefish (PAH), Smallmouth Bass (SMB), Walleye (WAE), White Bass (WHB), White Crappie (WHC) and Other Species (Other).

Year	Month	CCF	PAH	SMB	WAE	WHB	WHC
		C/h	C/h	C/h	C/h	C/h	C/h
2017	April	0.00	0.00	1.62 (2.48)	0.55 (0.10)	0.00	0.00
	May	0.54	0.10	1.28 (0.51)	0.80 (0.27)	0.00	0.00
	June	0.00	0.00	1.20	0.91 (0.52)	0.00	0.00
	July	1.07	0.00	0.14	0.65 (0.42)	1.03	0.00
	Overall	0.81	0.10	1.29 (0.77)	0.72 (0.16)	1.03	0.00
2018	April	1.76	0.00	0.14	0.26 (0.31)	0.00	0.00
	May	2.52	0.03 (0.04)	2.24 (2.48)	1.18 (0.29)	0.00	0.18
	June	0.00	0.00	2.72	0.94 (0.82)	0.00	0.00
	July	1.39 (0.91)	0.00	0.59	0.71 (0.28)	0.00	0.00
	Overall	1.70 (0.61)	0.03 (0.04)	1.97 (1.10)	0.83 (0.20)	0.00	0.18



Table 7b. Estimated monthly and overall angler harvest rate per hour fished (H/h) only for anglers primarily targeting a species at Francis Case. (80% confidence interval). Abbreviations for species are as follows: Channel Catfish (CCF), Paddlefish (PAH), Smallmouth Bass (SMB), Walleye (WAE), White Bass (WHB), White Crappie (WHC) and Other Species (Other).

Year	Month	CCF	PAH	SMB	WAE	WHB	WHC
		H/h	H/h	H/h	H/h	H/h	H/h
2017	April	0.00	0.00	0.07 (0.14)	0.21 (0.05)	0.00	0.00
	May	0.54	0.10	0.41 (0.05)	0.35 (0.12)	0.00	0.00
	June	0.00	0.00	0.09	0.27 (0.16)	0.00	0.00
	July	0.02	0.00	0.00	0.30 (0.26)	0.78	0.00
	Overall	0.28	0.10	0.21 (0.05)	0.29 (0.07)	0.78	0.00
2018	April	1.53	0.00	0.00	0.11 (0.23)	0.00	0.00
	May	2.52	0.00	0.26 (0.33)	0.31 (0.13)	0.00	0.18
	June	0.00	0.00	0.00	0.23 (0.14)	0.00	0.00
	July	1.15 (0.59)	0.00	0.00	0.30 (0.12)	0.00	0.00
	Overall	1.51 (0.40)	0.00	0.12 (0.15)	0.25 (0.08)	0.00	0.18

Table 8a. Estimated monthly and overall angler catch (C) for all anglers by species at Francis Case (80% confidence interval). Abbreviations for species are as follows: Channel Catfish (CCF), Paddlefish (PAH), Smallmouth Bass (SMB), Walleye (WAE), White Bass (WHB), White Crappie (WHC) and other species (Other).

Year	Month	CCF	PAH	SMB	WAE	WHB	WHC
		C	C	C	C	C	C
2017	April	1,154 (610)	0	6,703 (3,211)	33,598 (8,724)	2,240 (1,034)	0
	May	2,458 (1,959)	170 (204)	24,244 (7,922)	139,356 (27,337)	6,198 (2,426)	30 (42)
	June	5,699 (1,296)	0	23,949 (11,407)	172,578 (31,999)	10,524 (2,824)	161 (198)
	July	6,449 (1,617)	0	4,474 (1,921)	38,413 (8,471)	6,755 (2,330)	278 (316)
	Overall	15,761 (2,916)	170 (204)	59,370 (14,383)	383,945 (43,808)	25,717 (4,512)	470 (375)
2018	April	1,629 (724)	34 (52)	1,034 (1,004)	24,920 (10,920)	780 (571)	0
	May	7,494 (2,307)	79 (104)	39,231 (16,794)	238,625 (43,525)	11,064 (4,392)	376 (247)
	June	6,657 (2,258)	0	9,528 (1,879)	138,741 (31,077)	6,415 (1,945)	0
	July	12,873 (5,311)	0	2,647 (1,370)	34,763 (16,076)	12,086 (13,633)	0
	Overall	28,653 (6,257)	114 (117)	52,440 (16,984)	437,048 (56,903)	30,345 (14,466)	376 (247)

Table 8b. Estimated monthly and overall angler harvest (H) for all anglers by species at Francis Case (80% confidence interval). Abbreviations for species are as follows: Channel Catfish (CCF), Paddlefish (PAH), Smallmouth Bass (SMB), Walleye (WAE), White Bass (WHB), White Crappie (WHC) and other species (Other).

Year	Month	CCF	PAH	SMB	WAE	WHB	WHC
		H	H	H	H	H	H
2017	April	197	0	1,307 (468)	13,199 (3,074)	279 (233)	0
	May	404 (217)	170 (204)	5,934 (2,051)	59,281 (9,844)	1,444 (1,500)	30 (42)
	June	1,841 (755)	0	4,379 (1,884)	56,990 (9,968)	4,844 (1,896)	0
	July	1,398 (559)	0	1,280 (1,143)	18,667 (5,719)	1,890 (1,061)	0
	Overall	3,841 (866)	170 (204)	12,900 (3,047)	148,138 (15,441)	8,458 (2,650)	30 (42)
2018	April	776 (557)	0	220 (180)	10,546 (5,620)	0	0
	May	3,372 (1,833)	0	5,792 (2,146)	65,178 (10,580)	2,970 (1,678)	226 (190)
	June	680 (335)	0	2,341 (498)	33,632 (6,457)	1,817 (1,109)	0
	July	5,651 (4,125)	0	68 (87)	15,376 (6,210)	5,503 (6,568)	0
	Overall	10,479 (4,560)	0	8,421 (2,212)	124,732 (14,960)	10,290 (6,869)	226 (190)

Table 9. Estimated number and rate (number per hour) of Channel Catfish (CCF), Paddlefish (PAH), Smallmouth Bass (SMB), Walleye (WAE), White Bass (WHB), White Crappie (WHC) caught and harvested by anglers during the summer and winter fisheries on Francis Case, (80% confidence interval).

**Channel Catfish**

Season	Year	Catch	Harvest	Catch Rate	Harvest Rate
Summer	2009	19,993 (3,918)	7,179 (1,418)	0.03 (<0.01)	0.01 (<0.01)
Summer	2010	19,469 (3,762)	9,153 (3,128)	0.04 (<0.01)	0.02 (<0.01)
Summer	2011	13,925 (1,656)	5,085 (1,591)	0.02 (<0.01)	0.01 (<0.01)
Summer	2012	36,683 (9,216)	11,937 (2,940)	0.06 (0.02)	0.02 (<0.01)
Summer	2013	41,647 (6,720)	13,399 (2,891)	0.06 (0.01)	0.02 (<0.01)
Summer	2014	32,461 (5,860)	11,784 (4,271)	0.05 (0.01)	0.02 (<0.01)
Summer	2015	25,357 (5,977)	9,485 (2,945)	0.04 (0.01)	0.01 (<0.01)
Summer	2016	24,825 (15,377)	15,447 (15,109)	0.05 (0.03)	0.03 (0.03)
Summer	2017	15,761 (2,916)	3,841 (866)	0.03 (<0.01)	0.01 (<0.01)
Summer	2018	28,653 (6,257)	10,479 (4,560)	0.05 (0.02)	0.02 (<0.01)

**Paddlefish**

Season	Year	Catch	Harvest	Catch Rate	Harvest Rate
Summer	2009	30 (37)	0	<0.01 (<0.01)	0.00
Summer	2011	73 (53)	0	<0.01 (<0.01)	0.00
Summer	2012	319 (203)	46 (56)	<0.01 (<0.01)	<0.01 (<0.01)
Summer	2013	38 (39)	25 (36)	<0.01 (<0.01)	<0.01 (<0.01)
Summer	2014	206 (124)	23 (31)	<0.01 (<0.01)	<0.01 (<0.01)
Summer	2015	95 (114)	32 (38)	<0.01 (<0.01)	<0.01 (<0.01)
Summer	2016	33 (51)	33 (51)	<0.01 (<0.01)	<0.01 (<0.01)
Summer	2017	170 (204)	170 (204)	<0.01 (<0.01)	<0.01 (<0.01)
Summer	2018	114 (117)	0	<0.01 (<0.01)	0.00

**Smallmouth Bass**

Season	Year	Catch	Harvest	Catch Rate	Harvest Rate
Summer	2009	36,505 (8,039)	6,830 (2,299)	0.06 (0.02)	0.01 (<0.01)
Summer	2010	32,465 (6,878)	6,061 (2,553)	0.07 (0.02)	0.01 (<0.01)
Summer	2011	78,838 (14,669)	10,765 (3,110)	0.12 (0.04)	0.02 (<0.01)
Summer	2012	103,988 (18,058)	13,620 (2,884)	0.17 (0.04)	0.02 (<0.01)
Summer	2013	55,496 (9,848)	9,204 (2,021)	0.08 (0.02)	0.01 (<0.01)
Summer	2014	40,835 (11,973)	5,090 (1,425)	0.06 (0.02)	0.01 (<0.01)
Summer	2015	35,076 (6,497)	6,489 (1,889)	0.05 (0.02)	0.01 (<0.01)
Summer	2016	29,471 (4,157)	7,000 (1,677)	0.06 (0.01)	0.01 (<0.01)
Summer	2017	59,370 (14,383)	12,900 (3,047)	0.11 (0.03)	0.02 (<0.01)
Summer	2018	52,440 (16,984)	8,421 (2,212)	0.10 (0.05)	0.02 (<0.01)

**Walleye**

Season	Year	Catch	Harvest	Catch Rate	Harvest Rate
Summer	2009	475,975 (47,108)	143,383 (12,505)	0.81 (0.14)	0.24 (0.04)
Summer	2010	235,140 (34,072)	102,973 (12,976)	0.49 (0.10)	0.21 (0.04)
Summer	2011	850,216 (105,326)	248,773 (30,299)	1.34 (0.32)	0.39 (0.09)
Summer	2012	773,468 (91,993)	195,859 (23,446)	1.25 (0.23)	0.32 (0.06)
Summer	2013	921,692 (82,261)	235,608 (22,562)	1.25 (0.18)	0.32 (0.05)
Summer	2014	775,286 (74,206)	165,915 (14,526)	1.19 (0.21)	0.25 (0.04)
Summer	2015	447,649 (59,935)	149,943 (18,436)	0.67 (0.16)	0.23 (0.05)
Summer	2016	293,783 (33,554)	106,490 (11,885)	0.56 (0.12)	0.20 (0.04)
Summer	2017	383,945 (43,808)	148,138 (15,441)	0.68 (0.13)	0.26 (0.05)
Summer	2018	437,048 (56,903)	124,732 (14,960)	0.83 (0.18)	0.24 (0.05)

**White Bass**

Season	Year	Catch	Harvest	Catch Rate	Harvest Rate
Summer	2009	53,508 (15,425)	21,733 (6,614)	0.09 (0.03)	0.04 (0.01)
Summer	2010	28,181 (7,936)	8,292 (3,638)	0.06 (0.02)	0.02 (<0.01)
Summer	2011	72,838 (16,984)	26,918 (10,079)	0.11 (0.04)	0.04 (0.02)
Summer	2012	56,497 (12,781)	15,898 (4,989)	0.09 (0.02)	0.03 (<0.01)
Summer	2013	53,852 (15,579)	14,440	0.07 (0.02)	0.02
Summer	2014	42,608 (7,130)	16,720 (6,759)	0.07 (0.01)	0.03 (0.01)
Summer	2015	35,266 (160,368)	10,705 (13,651)	0.05 (0.25)	0.02 (0.03)
Summer	2016	16,301 (7,245)	9,047 (6,877)	0.03 (0.01)	0.02 (0.01)
Summer	2017	25,717 (4,512)	8,458 (2,650)	0.05 (0.01)	0.02 (<0.01)
Summer	2018	30,345 (14,466)	10,290 (6,869)	0.06 (0.03)	0.02 (0.01)

**White Crappie**

Season	Year	Catch	Harvest	Catch Rate	Harvest Rate
Summer	2009	1,399 (1,224)	814 (628)	<0.01 (<0.01)	<0.01 (<0.01)
Summer	2010	366 (208)	84 (55)	<0.01 (<0.01)	<0.01 (<0.01)
Summer	2011	2,432	588	<0.01	<0.01
Summer	2012	2,177 (1,115)	1,319 (892)	<0.01 (<0.01)	<0.01 (<0.01)
Summer	2013	3,264 (1,469)	2,991 (1,441)	<0.01 (<0.01)	<0.01 (<0.01)
Summer	2014	380 (275)	275 (199)	<0.01 (<0.01)	<0.01 (<0.01)
Summer	2015	388 (148)	222 (103)	<0.01 (<0.01)	<0.01 (<0.01)
Summer	2016	136 (108)	31 (47)	<0.01 (<0.01)	<0.01 (<0.01)
Summer	2017	470 (375)	30 (42)	<0.01 (<0.01)	<0.01 (<0.01)
Summer	2018	376 (247)	226 (190)	<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 Francis Case. Abbreviations for species are as follows: Channel Catfish (CCF), Paddlefish (PAH), Smallmouth Bass (SMB), Walleye (WAE), White Bass (WHB), White Crappie (WHC).

<b>Summer 2017</b>						
Length Group (mm)	CCF (N=7)	PAH (N=0)	SMB (N=161)	WAE (N=2420)	WHB (N=21)	WHC (N=0)
200				1		
210						
220			1	1	1	
230			2		1	
240						
250			1			
260			2			
270			7	1		
280			5		1	
290			7		1	
300			10		1	
310			11	6		
320			13	5		
330			19	11	1	
340	2		16	20		
350			7	26		
360			5	50	1	
370			10	75	1	
380			5	270	4	
390			8	257	4	
400			11	275	2	
410			6	233	2	
420			6	213	1	
430	2		4	162		
440			2	86		
450			1	112		
460				100		
470				83		
480				79		
490			1	94		
500				86		
510				48		
520	1		1	31		
530				43		
540				17		
550	1			13		
560				3		
570				10		
580				2		
590				2		
600	1					
610						
620				2		
630				1		
640				1		
650				1		

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**Summer 2018**

Length Group (mm)	CCF (N=8)	PAH (N=0)	SMB (N=111)	WAE (N=2546)	WHB (N=5)	WHC (N=0)
220			1			
230			1			
240			1			
250						
260						
270						
280			2	1	1	
290			5			
300			6	7		
310			7	6		
320			11	4		
330			13	10		
340			9	6		
350			12	12		
360			6	23		
370			9	34	1	
380	1		8	277		
390			3	402		
400			8	349		
410			7	320	2	
420			1	255		
430			1	186	1	
440				107		
450	1			130		
460				99		
470	2			67		
480				48		
490				52		
500				21		
510				21		
520	1			25		
530				22		
540				15		
550	1			13		
560				5		
570				4		
580				4		
590	1			8		
600	1			2		
610				4		
620						
630				1		
640				2		
650				1		
660				1		
670				1		
680						
690						
700				1		

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Figure 1a. Length frequency of angler-harvested Smallmouth Bass measured by the creel clerk during creel surveys on Francis Case.

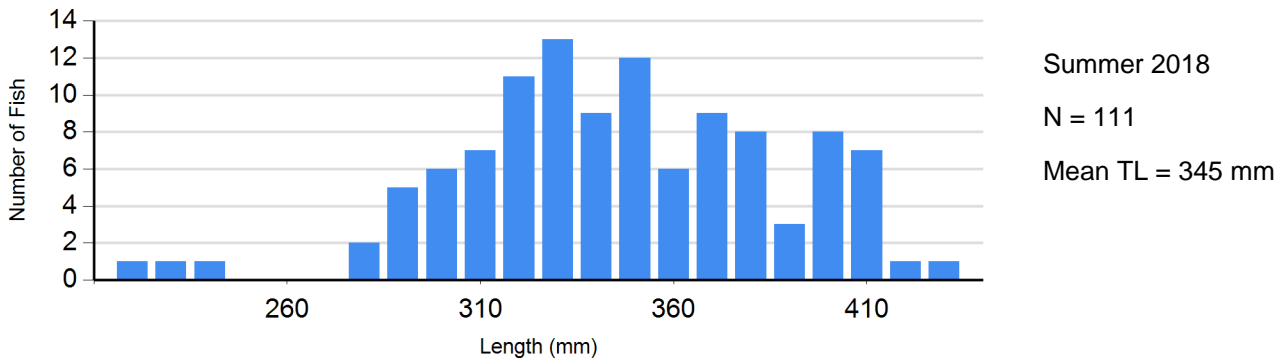
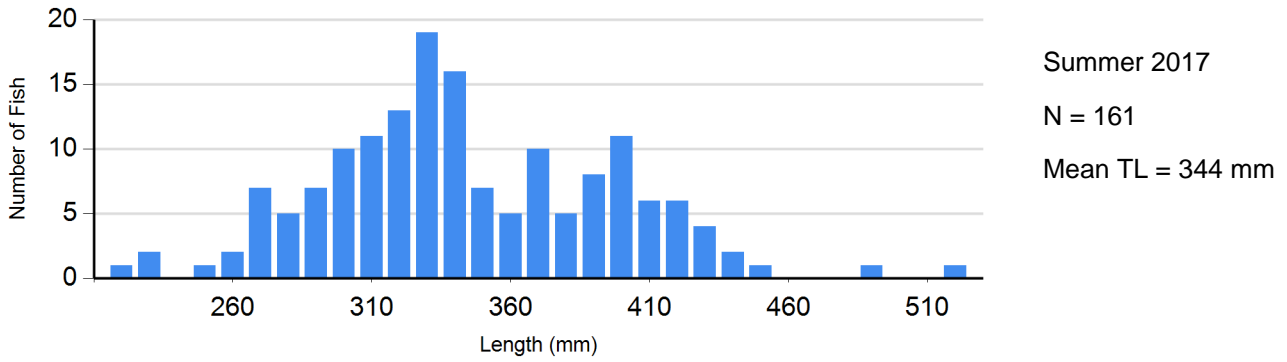


Figure 1b. Length frequency of angler-harvested Walleye measured by the creel clerk during creel surveys on Francis Case.

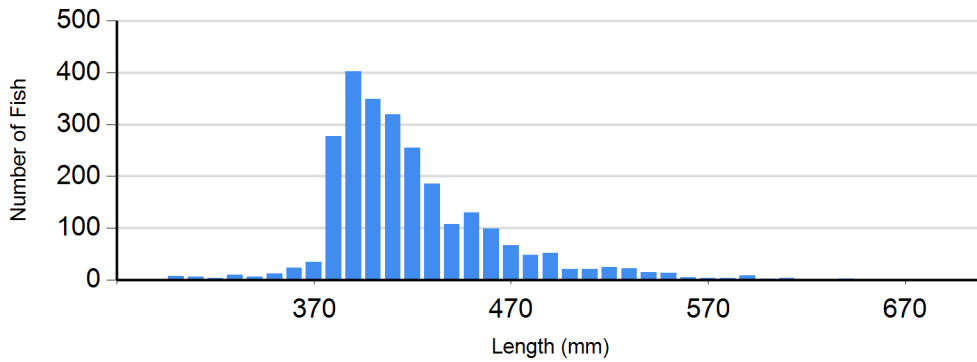
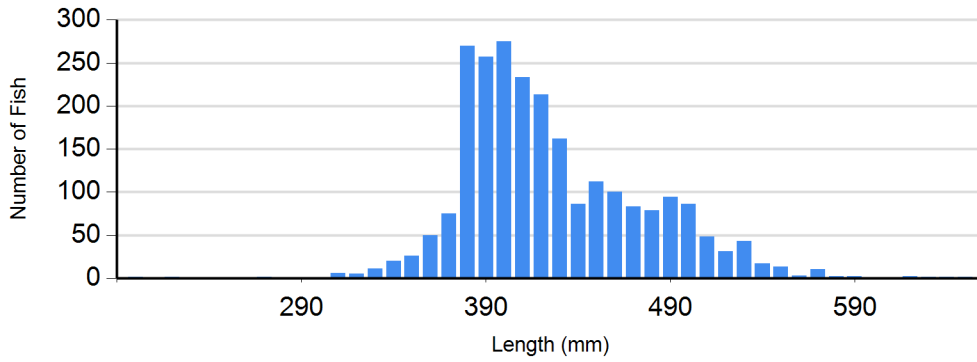


Figure 1c. Length frequency of angler-harvested White Bass measured by the creel clerk during creel surveys on Francis Case.

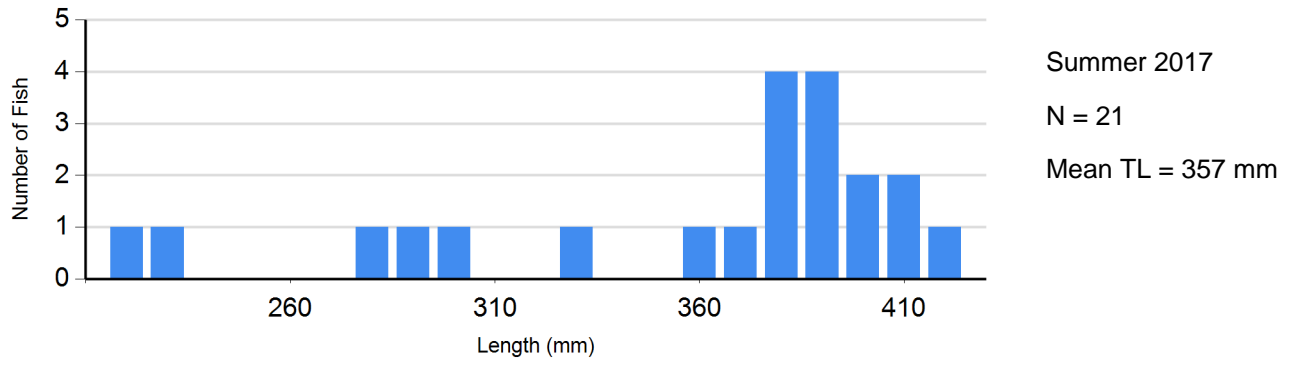


Figure 2. South Dakota county of residence for winter and summer resident anglers fishing Francis Case, South Dakota between April 2017 and July 2018.

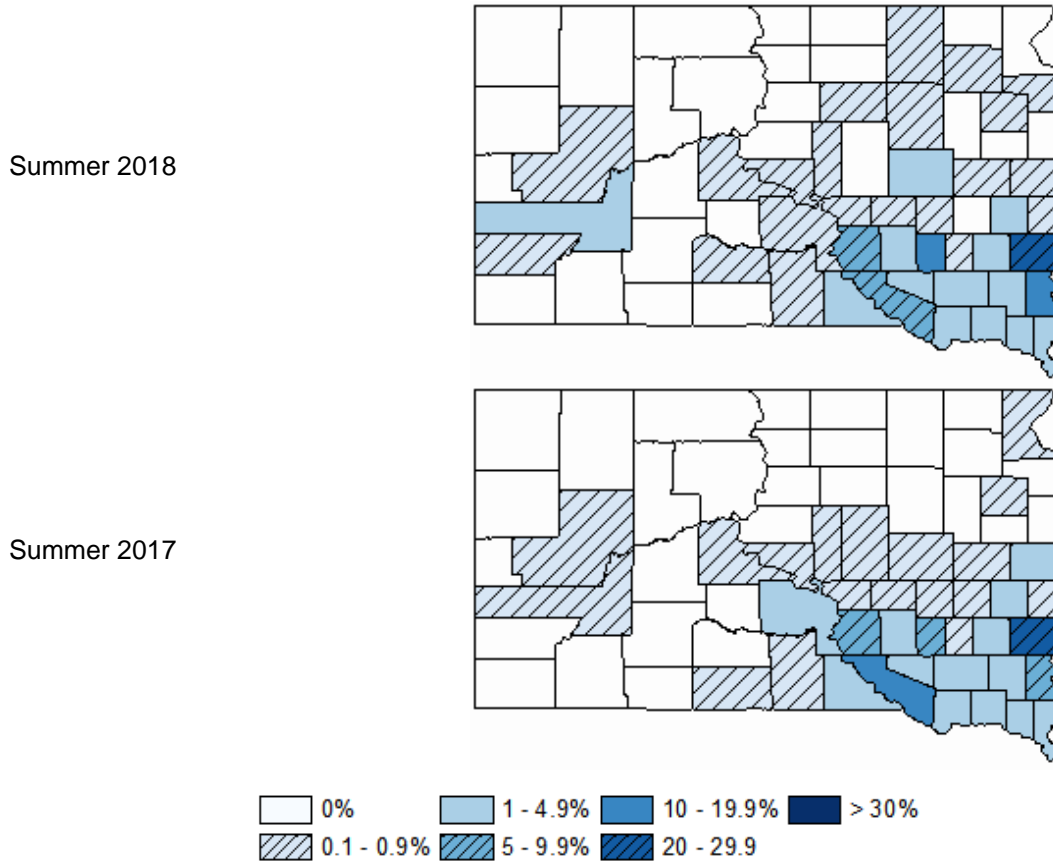


Table 11. Number of parties interviewed that harvested (or caught) a specified number of fish totaled over selected strata for a species.

Angler Harvest	Counts					
	CCF (n=1013)	PAH (n=1013)	SMB (n=1013)	WAE (n=1013)	WHB (n=1013)	WHC (n=1013)
0.00	967	1011	924	405	967	1012
0.17	0	0	0	1	1	0
0.20	1	0	0	3	0	0
0.25	3	0	9	16	4	0
0.29	0	0	0	1	0	0
0.33	14	0	11	25	4	0
0.40	0	0	0	6	0	0
0.50	12	2	26	66	12	1
0.60	0	0	0	1	0	0
0.67	1	0	7	34	2	0
0.75	0	0	0	6	1	0
0.80	0	0	1	1	0	0
1.00	10	0	11	102	9	0
1.20	0	0	0	2	0	0
1.25	0	0	1	6	0	0
1.33	0	0	1	12	1	0
1.50	3	0	2	35	1	0
1.67	0	0	0	14	0	0
1.75	0	0	0	7	0	0
2.00	0	0	8	64	4	0
2.25	0	0	0	1	0	0
2.33	0	0	1	12	0	0
2.50	1	0	0	22	0	0
2.67	0	0	0	11	2	0
2.71	0	0	0	1	0	0
2.75	0	0	0	3	0	0
3.00	0	0	2	44	1	0
3.33	0	0	0	9	0	0
3.50	0	0	0	19	0	0
3.67	0	0	0	5	0	0
3.75	0	0	0	0	1	0
4.00	0	0	1	77	0	0
4.50	0	0	0	1	0	0
5.00	0	0	8	0	1	0
6.00	0	0	0	1	1	0
12.00	1	0	0	0	1	0

Summer 2018

Counts

Angler Harvest	CCF (n=1046)	PAH (n=1046)	SMB (n=1046)	WAE (n=1046)	WHB (n=1046)	WHC (n=1046)
0.00	991	1046	977	418	1014	1043
0.13	0	0	1	0	0	0
0.17	0	0	0	5	1	1
0.20	1	0	0	7	0	0
0.25	4	0	5	18	3	0
0.33	11	0	16	36	8	0
0.40	0	0	2	0	0	0
0.50	13	0	14	72	6	1
0.60	0	0	0	1	0	0
0.67	4	0	2	33	3	0
0.75	0	0	1	8	0	0
0.80	0	0	0	1	0	0
0.83	0	0	0	1	0	0
1.00	12	0	10	101	4	0
1.17	0	0	0	1	0	0
1.25	0	0	0	2	0	1
1.33	1	0	1	19	0	0
1.50	0	0	4	42	0	0
1.60	0	0	0	3	1	0
1.67	1	0	0	11	0	0
1.75	0	0	0	2	0	0
2.00	0	0	4	53	1	0
2.25	0	0	0	1	0	0
2.33	0	0	0	12	1	0
2.40	0	0	0	1	0	0
2.50	0	0	3	29	0	0
2.67	0	0	0	5	0	0
2.75	0	0	0	2	0	0
3.00	0	0	2	43	1	0
3.25	0	0	0	3	0	0
3.33	2	0	0	7	0	0
3.50	0	0	0	24	0	0
3.67	1	0	0	6	0	0
4.00	0	0	1	77	1	0
5.00	1	0	3	0	1	0
5.50	0	0	0	1	0	0
6.00	0	0	0	1	0	0
6.67	0	0	0	0	1	0
7.50	1	0	0	0	0	0
8.00	2	0	0	0	0	0
10.00	1	0	0	0	0	0