

Creel and Lake Information

Lake Information

Lake Name: Enemy Swim
Lake Code: UBS-Lake-196-000
Surface Area: 884.65 Hectares
County: Day
Start Date: 1/11/2016
End Date: 12/28/2016
Months Included: January, February, March, May, June, July, August

Table 1. Percent of angling parties interviewed primarily targeting a species (or any species) by month and overall for Enemy Swim during 2015 - 2016. Any Species (ANY), Black Crappie (BLC), Bluegill (BLG), Largemouth Bass (LMB), Northern Pike (NOP), Rock Bass (ROB), Smallmouth Bass (SMB), Walleye (WAE), White Bass (WHB), Yellow Perch (YEP).

Year	Month	# of Interviews	Percent of Anglers Targeting									
			ANY	BLC	BLG	LMB	NOP	ROB	SMB	WAE	WHB	YEP
2015	January	59	8.5	10.2	67.8	0.0	0.0	0.0	0.0	10.2	0.0	3.4
	February	53	13.2	15.1	66.0	0.0	0.0	0.0	0.0	5.7	0.0	0.0
	March	40	10.0	0.0	87.5	0.0	0.0	0.0	0.0	0.0	0.0	2.5
	May	6	33.3	0.0	33.3	0.0	0.0	0.0	16.7	16.7	0.0	0.0
	June	17	23.5	0.0	41.2	0.0	0.0	0.0	5.9	29.4	0.0	0.0
	July	18	27.8	0.0	16.7	0.0	0.0	0.0	5.6	50.0	0.0	0.0
	August	8	0.0	0.0	37.5	12.5	12.5	0.0	12.5	25.0	0.0	0.0
	December	16	6.3	25.0	68.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Overall	217	12.9	8.3	62.7	0.5	0.5	0.0	1.8	12.0	0.0	1.4
2016	January	29	6.9	6.9	75.9	0.0	0.0	0.0	3.4	3.4	0.0	3.4
	February	54	24.1	11.1	55.6	0.0	1.9	0.0	1.9	1.9	0.0	3.7
	March	33	3.0	3.0	87.9	0.0	3.0	0.0	3.0	0.0	0.0	0.0
	May	18	16.7	5.6	33.3	0.0	0.0	0.0	5.6	33.3	0.0	0.0
	June	30	10.0	3.3	40.0	3.3	0.0	0.0	10.0	33.3	0.0	0.0
	July	15	6.7	0.0	60.0	0.0	0.0	0.0	6.7	13.3	0.0	0.0
	August	15	6.7	0.0	73.3	0.0	0.0	0.0	0.0	20.0	0.0	0.0
	December	6	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Overall	200	12.0	5.5	62.5	0.5	1.0	0.0	4.0	11.5	0.0	1.5

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 Enemy Swim (80% confidence interval).

Year	Month	# Interviews	Angler Hours	Angler Days	Trip Length (h)	Party Size	% SD Residents	% Boat or Shack	% Weekend/Holidays
2014-2015	January	59	3,199 (960)	501	6.38 (3.45)	2.09 (0.79)	49	53	61
	February	53	12,980 (4,779)	1,462	8.88 (2.48)	1.81 (0.45)	30	94	60
	March	40	7,248 (2,123)	1,600	4.53 (2.00)	2.65 (1.16)	40	20	63
	Overall	152	36,339 (7,616)	5,448	6.67 (1.59)	2.17 (0.48)	40	61	60
2015	May	6	2,103 (834)	541	3.89	1.50	50	100	0
	June	17	4,269 (1,249)	748	5.71	2.43	29	100	76
	July	18	6,304 (2,756)	1,081	5.83	2.33	78	94	67
	August	8	6,593 (1,086)	2,424	2.72	2.76 (0.61)	38	75	63
	Overall	49	19,269 (3,321)	4,198	4.59	2.33 (0.17)	51	94	61
2015-2016	January	29	4,593 (1,577)	1,882	2.44	2.06 (0.33)	41	79	76
	February	54	6,848 (1,694)	1,482	4.62 (2.13)	2.32 (0.65)	30	78	65
	March	33	8,473 (3,725)	1,900	4.46 (1.57)	2.45 (0.67)	21	48	9
	Overall	116	28,058 (5,311)	7,345	3.82 (0.88)	2.27 (0.33)	33	70	55
2016	May	18	7,322 (3,393)	2,288	3.20	2.82 (0.17)	56	89	89
	June	30	10,201 (2,940)	2,292	4.45	2.29 (0.11)	47	97	73
	July	15	11,570 (5,845)	2,635	4.39	2.20	33	100	60
	August	15	10,193 (2,928)	2,492	4.09	2.34	40	100	67
	Overall	78	39,285 (7,931)	9,748	4.03	2.41 (0.05)	45	96	73

Table 3. Estimated fishing pressure (angler hours) by month during the summer season 2016 daylight period on Enemy Swim (80% confidence interval).

Lake	Month				
	April	May	June	July	Total
Enemy Swim	7,322 (3,393)	10,201 (2,940)	11,570 (5,845)	10,193 (2,928)	39,285 (7,931)

Table 4. Estimated number of fish harvested, by species and month, for the summer season 2016 daylight period on Enemy Swim (80% confidence interval).

Species	Month				Total
	May	June	July	August	
Black Crappie	0	107 (92)	216 (266)	58 (37)	323 (358)
Bluegill	37 (51)	424 (277)	5,961 (4,629)	10,097 (4,496)	6,422 (4,957)
Largemouth Bass	0	0	0	0	0
Northern Pike	37 (51)	13 (12)	0	103 (107)	50 (63)
Rock Bass	0	77 (50)	0	0	77 (50)
Smallmouth Bass	73 (103)	957 (971)	288 (435)	103 (107)	1,318 (1,508)
Walleye	643 (399)	364 (228)	396 (328)	588 (442)	1,403 (955)
White Bass	0	0	0	58 (37)	0
Yellow Perch	0	26 (24)	0	0	26 (24)
Total	790 (605)	1,968 (1,654)	6,861 (5,658)	11,007 (5,227)	9,619 (7,917)

Table 5a. Estimated monthly and overall angler catch rate per hour fished (C/h) for all anglers by species at Enemy Swim (80% confidence interval). Abbreviations for species are as follows: Black Crappie (BLC), Bluegill (BLG), Largemouth Bass (LMB), Northern Pike (NOP), Rock Bass (ROB), Smallmouth Bass (SMB), Walleye (WAE), White Bass (WHB), Yellow Perch (YEP) and other species (Other).

Year	Month	BLC	BLG	LMB	NOP	ROB	SMB	WAE	WHB	YEP
		C/h	C/h	C/h	C/h	C/h	C/h	C/h	C/h	C/h
2014-2015	January	0.05	0.36	<0.01	0.03	<0.01	0.04	0.05	<0.01	0.07
	February	0.07	0.48	<0.01	0.01	<0.01	0.05	0.12	0.00	0.09
	March	0.20	0.79	0.02	0.01	0.01	0.17	0.02	0.01	0.06
	Overall	0.07	0.36	<0.01	0.01	<0.01	0.05	0.05	<0.01	0.05
2015	May	0.00	0.00	0.04 (0.02)	0.33	0.02 (<0.01)	0.11 (0.05)	0.04 (0.02)	0.04 (0.02)	0.00
	June	0.01 (<0.01)	0.59 (0.76)	0.05 (0.02)	0.03 (0.03)	0.03 (0.04)	0.51 (0.33)	0.32 (0.39)	<0.01 (<0.01)	0.02 (0.03)
	July	0.01 (0.01)	0.46 (0.44)	<0.01 (<0.01)	0.04 (0.07)	0.00	0.20 (0.31)	0.39 (0.79)	0.02 (<0.01)	0.01 (0.01)
	August	0.00	0.50 (0.13)	0.00	0.01 (<0.01)	0.00	0.13 (0.22)	0.02 (<0.01)	0.00	0.12 (0.03)
	Overall	0.01 (<0.01)	0.45 (0.22)	0.02 (<0.01)	0.06 (0.04)	0.01 (<0.01)	0.24 (0.14)	0.21 (0.22)	0.01 (<0.01)	0.05 (0.02)
2015-2016	January	0.00	0.30	0.00	<0.01	0.00	<0.01	0.01	0.00	0.30
	February	0.12	0.46	0.00	<0.01	0.00	0.03	0.05	0.00	0.32
	March	0.02	3.01	0.01	0.07	0.00	0.03	0.01	0.00	1.06
	Overall	0.04	1.07	<0.01	0.02	0.00	0.02	0.02	0.00	0.45
2016	May	0.16	0.02 (0.02)	0.21	0.05 (0.05)	0.00	0.07 (0.06)	0.24 (0.28)	0.00	0.02 (0.02)
	June	0.01 (0.01)	0.08 (0.05)	<0.01 (<0.01)	0.03 (0.02)	0.01 (<0.01)	0.34 (0.46)	0.09 (0.07)	<0.01 (<0.01)	0.11 (0.12)
	July	0.03 (0.03)	1.03 (1.56)	0.05 (0.07)	0.02 (0.03)	0.02 (0.03)	0.23 (0.26)	0.15 (0.19)	0.03 (0.04)	0.19 (0.11)
	August	0.01 (<0.01)	1.48 (0.81)	0.00	0.02 (0.03)	0.00	0.14 (0.10)	0.13 (0.12)	0.01 (<0.01)	0.17 (0.25)
	Overall	0.04 (0.01)	0.71 (0.44)	0.05 (0.02)	0.03 (0.01)	0.01 (<0.01)	0.20 (0.13)	0.15 (0.08)	0.01 (<0.01)	0.13 (0.08)

Table 5b. Estimated monthly and overall angler harvest rate per hour fished (H/h) for all anglers by species at Enemy Swim (80% confidence interval). Abbreviations for species are as follows: Black Crappie (BLC), Bluegill (BLG), Largemouth Bass (LMB), Northern Pike (NOP), Rock Bass (ROB), Smallmouth Bass (SMB), Walleye (WAE), White Bass (WHB), Yellow Perch (YEP) and other species (Other).

Year	Month	BLC	BLG	LMB	NOP	ROB	SMB	WAE	WHB	YEP
		H/h	H/h	H/h	H/h	H/h	H/h	H/h	H/h	H/h
2014-2015	January	0.03	0.26	0.00	0.01	0.00	0.00	<0.01	<0.01	0.01
	February	0.06	0.31	0.00	<0.01	<0.01	0.00	0.03	0.00	<0.01
	March	0.18	0.48	0.00	<0.01	0.00	0.00	0.01	<0.01	<0.01
	Overall	0.06	0.23	0.00	<0.01	<0.01	0.00	0.01	<0.01	<0.01
2015	May	0.00	0.00	0.00	0.00	0.02 (<0.01)	0.00	0.00	0.00	0.00
	June	0.01 (<0.01)	0.38 (0.47)	0.00	<0.01 (<0.01)	0.02 (0.04)	0.05 (0.02)	0.07 (0.04)	<0.01 (<0.01)	<0.01 (<0.01)
	July	0.01 (0.01)	0.31 (0.34)	0.00	0.01 (0.02)	0.00	0.01 (0.03)	0.04 (0.09)	<0.01 (<0.01)	0.01 (0.01)
	August	0.00	0.32 (0.09)	0.00	<0.01 (<0.01)	0.00	0.00	<0.01 (<0.01)	0.00	0.00
	Overall	0.01 (<0.01)	0.29 (0.15)	0.00	0.01 (<0.01)	0.01 (<0.01)	0.02 (0.01)	0.03 (0.03)	<0.01 (<0.01)	<0.01 (<0.01)
2015-2016	January	0.00	0.09	0.00	0.00	0.00	0.00	0.01	0.00	<0.01
	February	0.11	0.08	0.00	<0.01	0.00	0.00	<0.01	0.00	<0.01
	March	<0.01	1.09	0.00	0.06	0.00	0.00	<0.01	0.00	0.01
	Overall	0.03	0.37	0.00	0.02	0.00	0.00	<0.01	0.00	0.01
2016	May	0.00	0.01 (<0.01)	0.00	0.01 (<0.01)	0.00	0.01 (0.02)	0.09 (0.10)	0.00	0.00
	June	0.01 (0.01)	0.04 (0.04)	0.00	<0.01 (<0.01)	0.01 (<0.01)	0.09 (0.16)	0.04 (0.03)	0.00	<0.01 (<0.01)
	July	0.02 (0.02)	0.52 (0.67)	0.00	0.00	0.00	0.02 (0.04)	0.03 (0.04)	0.00	0.00
	August	0.01 (<0.01)	0.99 (0.62)	0.00	0.01 (0.01)	0.00	0.01 (<0.01)	0.06 (0.05)	0.01 (<0.01)	0.00
	Overall	0.01 (<0.01)	0.42 (0.23)	0.00	<0.01 (<0.01)	<0.01 (<0.01)	0.04 (0.03)	0.05 (0.03)	<0.01 (<0.01)	<0.01 (<0.01)

Table 6a. Estimated monthly and overall angler catch rate per hour fished (C/h) only for anglers primarily targeting a species at Enemy Swim. (80% confidence interval). Abbreviations for species are as follows: Black Crappie (BLC), Bluegill (BLG), Largemouth Bass (LMB), Northern Pike (NOP), Rock Bass (ROB), Smallmouth Bass (SMB), Walleye (WAE), White Bass (WHB), Yellow Perch (YEP) and Other Species (Other).

Year	Month	BLC C/h	BLG C/h	LMB C/h	NOP C/h	ROB C/h	SMB C/h	WAE C/h	WHB C/h	YEP C/h
2014- 2015	January	0.41 (0.12)	0.60 (0.12)	0.00	0.00	0.00	0.00	1.59 (<0.01)	0.00	0.20
	February	0.11 (0.09)	1.16 (1.16)	0.00	0.00	0.00	0.00	0.51	0.00	0.00
	March	0.00	3.99 (0.99)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Overall	0.17 (0.07)	1.62 (0.35)	0.00	0.00	0.00	0.00	1.05 (<0.01)	0.00	0.12
2015	May	0.00	0.00	0.00	0.00	0.00	0.44	0.00	0.00	0.00
	June	0.00	1.41 (1.18)	0.00	0.00	0.00	0.00	0.40(0.44)	0.00	0.00
	July	0.00	2.62 (16.85)	0.00	0.00	0.00	1.22	0.27(0.01)	0.00	0.00
	August	0.00	1.24	0.00	0.17	0.00	4.00	0.09(0.20)	0.00	0.00
	Overall	0.00	1.16 (1.73)	0.00	0.17	0.00	1.83	0.24(0.15)	0.00	0.00
2015- 2016	January	0.00	0.41 (0.78)	0.00	0.00	0.00	0.21	0.00	0.00	2.50
	February	1.14 (1.39)	1.07 (0.49)	0.00	0.00	0.00	0.19	0.00	0.00	0.00
	March	0.00	2.74 (1.27)	0.00	0.30	0.00	0.62	0.00	0.00	0.00
	Overall	0.68 (0.83)	1.67 (0.61)	0.00	0.19	0.00	0.34	0.00	0.00	0.71
2016	May	0.00	0.01 (0.02)	0.00	0.00	0.00	0.00	0.35(0.43)	0.00	0.00
	June	0.07	0.12 (0.46)	0.00	0.00	0.00	1.00 (2.71)	0.39(0.30)	0.00	0.00
	July	0.00	1.03 (0.22)	0.00	0.00	0.00	0.00	0.30(2.41)	0.00	0.00
	August	0.00	1.17 (0.32)	0.00	0.00	0.00	0.00	0.40	0.00	0.00
	Overall	0.03	0.59 (0.15)	0.00	0.00	0.00	0.29 (0.77)	0.37(0.32)	0.00	0.00

Table 6b. Estimated monthly and overall angler harvest rate per hour fished (H/h) only for anglers primarily targeting a species at Enemy Swim. (80% confidence interval). Abbreviations for species are as follows: Black Crappie (BLC), Bluegill (BLG), Largemouth Bass (LMB), Northern Pike (NOP), Rock Bass (ROB), Smallmouth Bass (SMB), Walleye (WAE), White Bass (WHB), Yellow Perch (YEP) and Other Species (Other).

Year	Month	BLC	BLG	LMB	NOP	ROB	SMB	WAE	WHB	YEP
		H/h	H/h	H/h	H/h	H/h	H/h	H/h	H/h	H/h
2014- 2015	January	0.31 (0.33)	0.42 (0.12)	0.00	0.00	0.00	0.00	0.10	0.00	0.00
	February	0.09 (0.15)	0.89 (1.18)	0.00	0.00	0.00	0.00	0.13	0.00	0.00
	March	0.00	2.10 (0.74)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Overall	0.13 (0.14)	0.96 (0.30)	0.00	0.00	0.00	0.00	0.11	0.00	0.00
2015	May	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	June	0.00	0.78 (1.67)	0.00	0.00	0.00	0.00	0.12 (0.03)	0.00	0.00
	July	0.00	1.03 (4.34)	0.00	0.00	0.00	0.00	0.01 (0.02)	0.00	0.00
	August	0.00	0.92	0.00	0.09	0.00	0.00	0.00	0.00	0.00
	Overall	0.00	0.68 (0.71)	0.00	0.09	0.00	0.00	0.04 (0.01)	0.00	0.00
2015- 2016	January	0.00	0.14 (0.39)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	February	1.05 (1.14)	0.28 (0.22)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	March	0.00	0.77 (0.57)	0.00	0.30	0.00	0.00	0.00	0.00	0.00
	Overall	0.62 (0.68)	0.47 (0.27)	0.00	0.19	0.00	0.00	0.00	0.00	0.00
2016	May	0.00	0.01 (0.03)	0.00	0.00	0.00	0.00	0.14 (0.19)	0.00	0.00
	June	0.00	0.08 (0.15)	0.00	0.00	0.00	0.06 (0.12)	0.14 (0.09)	0.00	0.00
	July	0.00	0.59 (0.11)	0.00	0.00	0.00	0.00	0.07 (0.31)	0.00	0.00
	August	0.00	0.59 (0.15)	0.00	0.00	0.00	0.00	0.19	0.00	0.00
	Overall	0.00	0.32 (0.06)	0.00	0.00	0.00	0.02 (0.03)	0.15 (0.08)	0.00	0.00

Table 7a. Estimated monthly and overall angler catch (C) for all anglers by species at Enemy Swim (80% confidence interval). Abbreviations for species are as follows: Black Crappie (BLC), Bluegill (BLG), Largemouth Bass (LMB), Northern Pike (NOP), Rock Bass (ROB), Smallmouth Bass (SMB), Walleye (WAE), White Bass (WHB), Yellow Perch (YEP) and other species (Other).

Year	Month	BLC	BLG	LMB	NOP	ROB	SMB	WAE	WHB	YEP
		C	C	C	C	C	C	C	C	C
2014-2015	January	165	1,150	4	92	11	133	146	2	240
	February	908	6,257	9	105	47	598	1,619	0	1,205
	March	1,457	5,741	152	53	49	1,264	117	49	407
	Overall	2,530	13,148	165	249	107	1,996	1,883	51	1,852
2015	May	0	0	74 (17)	701 (904)	37 (8)	221 (51)	74 (17)	74 (17)	0
	June	29 (20)	2,509 (1,971)	206 (116)	147 (99)	120 (153)	2,195 (648)	1,369 (964)	20 (14)	105 (85)
	July	87 (67)	2,914 (1,098)	12 (16)	254 (122)	0	1,266 (585)	2,437 (2,002)	96 (8)	63 (67)
	August	0	3,294 (695)	0	66 (16)	0	853 (1,420)	132 (31)	0	782 (173)
	Overall	117 (70)	8,718 (2,360)	292 (118)	1,168 (918)	157 (153)	4,535 (1,667)	4,012 (2,223)	190 (23)	951 (204)
2015-2016	January	0	1,381	0	11	0	21	41	0	1,390
	February	830	3,147	0	2	0	215	364	0	2,193
	March	154	25,533	73	589	0	248	58	0	8,967
	Overall	984	30,060	73	601	0	485	463	0	12,550
2016	May	1,148	110 (154)	1,530	367 (220)	0	514 (287)	1,745 (1,242)	0	110 (154)
	June	133 (99)	789 (564)	13 (12)	257 (173)	103 (67)	3,469 (2,633)	929 (547)	39 (31)	1,158 (761)
	July	312 (256)	11,968 (11,476)	588 (604)	240 (196)	276 (247)	2,676 (1,980)	1,703 (1,398)	360 (293)	2,182 (1,612)
	August	58 (37)	15,104 (4,273)	0	219 (255)	0	1,382 (536)	1,370 (1,187)	58 (37)	1,692 (2,084)
	Overall	1,650 (277)	27,971 (12,260)	2,131 (604)	1,083 (426)	379 (256)	8,041 (3,350)	5,747 (2,282)	456 (297)	5,142 (2,747)

Table 7b. Estimated monthly and overall angler harvest (H) for all anglers by species at Enemy Swim (80% confidence interval). Abbreviations for species are as follows: Black Crappie (BLC), Bluegill (BLG), Largemouth Bass (LMB), Northern Pike (NOP), Rock Bass (ROB), Smallmouth Bass (SMB), Walleye (WAE), White Bass (WHB), Yellow Perch (YEP) and other species (Other).

Year	Month	BLC	BLG	LMB	NOP	ROB	SMB	WAE	WHB	YEP
		H	H	H	H	H	H	H	H	H
2014-2015	January	104	819	0	33	0	0	12	2	32
	February	841	4,062	0	19	10	0	372	0	59
	March	1,309	3,471	0	<1	0	0	52	<1	8
	Overall	2,255	8,352	0	53	10	0	435	2	98
2015	May	0	0	0	0	37 (8)	0	0	0	0
	June	29 (20)	1,637 (1,250)	0	20 (13)	73 (164)	213 (71)	291 (82)	10 (19)	10 (7)
	July	87 (67)	1,924 (413)	0	51 (65)	0	87 (79)	230 (262)	24 (2)	51 (65)
	August	0	2,106 (501)	0	33 (8)	0	0	33 (8)	0	0
	Overall	117 (70)	5,668 (1,409)	0	104 (67)	110 (164)	300 (106)	554 (274)	34 (19)	61 (65)
2015-2016	January	0	428	0	0	0	0	25	0	14
	February	764	574	0	2	0	0	2	0	23
	March	41	9,251	0	522	0	0	26	0	119
	Overall	804	10,252	0	524	0	0	53	0	156
2016	May	0	37 (51)	0	37 (51)	0	73 (103)	643 (399)	0	0
	June	107 (92)	424 (277)	0	13 (12)	77 (50)	957 (971)	364 (228)	0	26 (24)
	July	216 (266)	5,961 (4,629)	0	0	0	288 (435)	396 (328)	0	0
	August	58 (37)	10,097 (4,496)	0	103 (107)	0	103 (107)	588 (442)	58 (37)	0
	Overall	381 (284)	16,519 (6,459)	0	153 (119)	77 (50)	1,422 (1,074)	1,990 (717)	58 (37)	26 (24)

Table 8. Estimated number and rate (number per hour) of Black Crappie (BLC), Bluegill (BLG), Largemouth Bass (LMB), Northern Pike (NOP), Rock Bass (ROB), Smallmouth Bass (SMB), Walleye (WAE), White Bass (WHB), Yellow Perch (YEP) caught and harvested by anglers during the summer and winter fisheries on Enemy Swim, (80% confidence interval).

Black Crappie

Season	Year	Catch	Harvest	Catch Rate	Harvest Rate
Summer	2007	1,231 (341)	191 (108)	0.05 (0.01)	0.01 (<0.01)
Summer	2009	44 (70)	0	<0.01 (<0.01)	0.00
Summer	2010	13 (13)	0	<0.01 (<0.01)	0.00
Summer	2011	136	136	0.01	0.01
Summer	2013	2,018 (655)	1,254 (513)	0.04 (0.02)	0.03 (0.02)
Summer	2014	2,238 (1,008)	1,883 (951)	0.04 (0.03)	0.03 (0.03)
Summer	2015	117 (70)	117 (70)	0.01 (<0.01)	0.01 (<0.01)
Summer	2016	1,650 (277)	381 (284)	0.04 (0.01)	0.01 (<0.01)
Winter	2006-2007	316	267	0.03	0.02
Winter	2007-2008	230	151	0.03	0.02
Winter	2008-2009	75	75	0.01	0.01
Winter	2009-2010	4	0	<0.01	0.00
Winter	2013-2014	811	690	0.03	0.02
Winter	2014-2015	2,530	2,255	0.07	0.06
Winter	2015-2016	984	804	0.04	0.03

Bluegill

Season	Year	Catch	Harvest	Catch Rate	Harvest Rate
Summer	2007	26,244 (11,359)	7,705 (3,092)	0.98 (0.42)	0.29 (0.12)
Summer	2008	3,034 (793)	1,401 (82)	0.14 (0.07)	0.07 (0.03)
Summer	2009	4,124 (1,266)	44 (70)	0.19 (0.07)	<0.01 (<0.01)
Summer	2010	7,976 (6,270)	2,041 (1,606)	0.37 (0.31)	0.09 (0.08)
Summer	2011	10,089 (4,497)	2,976 (442)	0.53 (0.27)	0.16 (0.05)
Summer	2013	59,846 (13,046)	33,680 (6,987)	1.31 (0.29)	0.74 (0.18)
Summer	2014	32,097 (11,679)	22,492 (7,689)	0.59 (0.41)	0.41 (0.27)
Summer	2015	8,718 (2,360)	5,668 (1,409)	0.45 (0.22)	0.29 (0.15)
Summer	2016	27,971 (12,260)	16,519 (6,459)	0.71 (0.44)	0.42 (0.23)
Winter	2006-2007	14,907	3,577	1.25	0.30
Winter	2007-2008	6,461	700	0.74	0.08
Winter	2008-2009	23,474	451	1.93	0.04
Winter	2009-2010	421	113	0.22	0.06
Winter	2010-2011	187	94	0.12	0.06
Winter	2013-2014	30,661	17,149	1.05	0.59
Winter	2014-2015	13,148	8,352	0.36	0.23
Winter	2015-2016	30,060	10,252	1.07	0.37

Largemouth Bass

Season	Year	Catch	Harvest	Catch Rate	Harvest Rate
Summer	2007	2,243 (896)	138 (160)	0.08 (0.04)	0.01 (<0.01)
Summer	2008	2,242 (1,171)	0	0.11 (0.06)	0.00
Summer	2009	3,664 (2,459)	37 (37)	0.17 (0.12)	<0.01 (<0.01)
Summer	2010	1,679 (884)	58 (53)	0.08 (0.05)	<0.01 (<0.01)
Summer	2011	2,219	0	0.12	0.00
Summer	2013	7,523 (3,556)	361 (682)	0.17 (0.09)	0.01 (0.02)
Summer	2014	2,752 (1,599)	0	0.05 (0.03)	0.00
Summer	2015	292 (118)	0	0.02 (<0.01)	0.00
Summer	2016	2,131 (604)	0	0.05 (0.02)	0.00
Winter	2006-2007	88	0	0.01	0.00
Winter	2007-2008	10	0	<0.01	0.00
Winter	2013-2014	96	0	<0.01	0.00
Winter	2014-2015	165	0	<0.01	0.00
Winter	2015-2016	73	0	<0.01	0.00

Northern Pike

Season	Year	Catch	Harvest	Catch Rate	Harvest Rate
Summer	2007	434 (173)	112 (66)	0.02 (<0.01)	<0.01 (<0.01)
Summer	2008	224 (142)	17 (18)	0.01 (<0.01)	<0.01 (<0.01)
Summer	2009	702 (748)	0	0.03 (0.03)	0.00
Summer	2010	589 (173)	96	0.03 (0.01)	<0.01 (<0.01)
Summer	2011	1,541 (88)	139 (74)	0.08 (0.02)	0.01 (<0.01)
Summer	2013	1,698 (772)	50 (65)	0.04 (0.02)	<0.01 (<0.01)
Summer	2014	2,590 (869)	490 (502)	0.05 (0.02)	0.01 (<0.01)
Summer	2015	1,168 (918)	104 (67)	0.06 (0.04)	0.01 (<0.01)
Summer	2016	1,083 (426)	153 (119)	0.03 (0.01)	<0.01 (<0.01)
Winter	2006-2007	46	43	<0.01	<0.01
Winter	2007-2008	135	31	0.02	<0.01
Winter	2008-2009	201	190	0.02	0.02
Winter	2009-2010	2	2	<0.01	<0.01
Winter	2010-2011	16	16	0.01	0.01
Winter	2013-2014	204	96	0.01	<0.01
Winter	2014-2015	249	53	0.01	<0.01
Winter	2015-2016	601	524	0.02	0.02

Rock Bass

Season	Year	Catch	Harvest	Catch Rate	Harvest Rate
Summer	2007	132 (100)	42 (45)	<0.01 (<0.01)	<0.01 (<0.01)
Summer	2008	1,273 (904)	341 (336)	0.06 (0.05)	0.02 (0.01)
Summer	2009	499 (166)	0	0.02 (<0.01)	0.00
Summer	2010	422 (245)	58 (53)	0.02 (0.01)	<0.01 (<0.01)
Summer	2011	1,060 (450)	355 (369)	0.06 (0.03)	0.02 (0.02)
Summer	2013	2,138 (2,417)	359 (179)	0.05 (0.05)	0.01 (<0.01)
Summer	2014	1,643 (982)	320 (256)	0.03 (0.02)	0.01 (<0.01)
Summer	2015	157 (153)	110 (164)	0.01 (<0.01)	0.01 (<0.01)
Summer	2016	379 (256)	77 (50)	0.01 (<0.01)	<0.01 (<0.01)
Winter	2006-2007	71	0	0.01	0.00
Winter	2008-2009	17	9	<0.01	<0.01
Winter	2013-2014	3	0	<0.01	0.00
Winter	2014-2015	107	10	<0.01	<0.01

Smallmouth Bass

Season	Year	Catch	Harvest	Catch Rate	Harvest Rate
Summer	2007	14,973 (3,893)	139 (81)	0.56 (0.18)	0.01 (<0.01)
Summer	2008	8,322 (2,769)	218 (205)	0.40 (0.21)	0.01 (0.01)
Summer	2009	10,631 (3,650)	0	0.48 (0.27)	0.00
Summer	2010	12,325 (4,053)	85 (115)	0.57 (0.27)	<0.01 (<0.01)
Summer	2011	18,448 (1,941)	1,823 (306)	0.98 (0.30)	0.10 (0.04)
Summer	2013	20,368 (3,077)	314 (86)	0.45 (0.11)	0.01 (<0.01)
Summer	2014	25,843 (7,216)	905 (506)	0.48 (0.23)	0.02 (0.01)
Summer	2015	4,535 (1,667)	300 (106)	0.24 (0.14)	0.02 (0.01)
Summer	2016	8,041 (3,350)	1,422 (1,074)	0.20 (0.13)	0.04 (0.03)
Winter	2006-2007	995	34	0.08	<0.01
Winter	2007-2008	1,039	0	0.12	0.00
Winter	2008-2009	5,312	0	0.44	0.00
Winter	2009-2010	7	0	<0.01	0.00
Winter	2013-2014	257	0	0.01	0.00
Winter	2014-2015	1,996	0	0.05	0.00
Winter	2015-2016	485	0	0.02	0.00

Walleye

Season	Year	Catch	Harvest	Catch Rate	Harvest Rate
Summer	2007	4,635 (1,877)	1,494 (620)	0.17 (0.08)	0.06 (0.03)
Summer	2008	1,046 (517)	891 (451)	0.05 (0.04)	0.04 (0.03)
Summer	2009	141	0	0.01	0.00
Summer	2010	451 (272)	201 (335)	0.02 (0.01)	0.01 (0.02)
Summer	2011	2,924 (309)	0	0.15 (0.03)	0.00
Summer	2013	11,166 (2,151)	1,862 (262)	0.25 (0.08)	0.04 (<0.01)
Summer	2014	26,675 (9,103)	3,236 (964)	0.49 (0.26)	0.06 (0.02)
Summer	2015	4,012 (2,223)	554 (274)	0.21 (0.22)	0.03 (0.03)
Summer	2016	5,747 (2,282)	1,990 (717)	0.15 (0.08)	0.05 (0.03)
Winter	2006-2007	538	267	0.05	0.02
Winter	2007-2008	501	38	0.06	<0.01
Winter	2009-2010	2	2	<0.01	<0.01
Winter	2013-2014	721	65	0.02	<0.01
Winter	2014-2015	1,883	435	0.05	0.01
Winter	2015-2016	463	53	0.02	<0.01

White Bass

Season	Year	Catch	Harvest	Catch Rate	Harvest Rate
Summer	2007	466 (662)	0	0.02 (0.02)	0.00
Summer	2008	223 (177)	17 (18)	0.01 (<0.01)	<0.01 (<0.01)
Summer	2009	208 (62)	0	0.01 (<0.01)	0.00
Summer	2011	104 (38)	74	0.01 (<0.01)	<0.01 (<0.01)
Summer	2013	110 (24)	66	<0.01 (<0.01)	<0.01 (<0.01)
Summer	2014	494 (336)	0	0.01 (<0.01)	0.00
Summer	2015	190 (23)	34 (19)	0.01 (<0.01)	<0.01 (<0.01)
Summer	2016	456 (297)	58 (37)	0.01 (<0.01)	<0.01 (<0.01)
Winter	2007-2008	2	2	<0.01	<0.01
Winter	2013-2014	3	0	<0.01	0.00
Winter	2014-2015	51	2	<0.01	<0.01

Yellow Perch

Season	Year	Catch	Harvest	Catch Rate	Harvest Rate
Summer	2007	4,868 (1,626)	183 (144)	0.18 (0.07)	0.01 (<0.01)
Summer	2008	1,140 (541)	17 (19)	0.05 (0.03)	<0.01 (<0.01)
Summer	2009	3,333 (744)	0	0.15 (0.04)	0.00
Summer	2010	10,997 (8,196)	218 (283)	0.51 (0.40)	0.01 (0.01)
Summer	2011	2,904 (836)	68	0.15 (0.01)	<0.01 (<0.01)
Summer	2013	3,204 (1,313)	239 (64)	0.07 (0.04)	0.01 (<0.01)
Summer	2014	1,721 (937)	455 (459)	0.03 (0.03)	0.01 (0.01)
Summer	2015	951 (204)	61 (65)	0.05 (0.02)	<0.01 (<0.01)
Summer	2016	5,142 (2,747)	26 (24)	0.13 (0.08)	<0.01 (<0.01)
Winter	2006-2007	2,524	482	0.21	0.04
Winter	2007-2008	1,799	49	0.21	0.01
Winter	2008-2009	1,292	6	0.11	<0.01
Winter	2009-2010	54	0	0.03	0.00
Winter	2013-2014	3,289	57	0.11	<0.01
Winter	2014-2015	1,852	98	0.05	<0.01
Winter	2015-2016	12,550	156	0.45	0.01

Table 9. The number of fish harvested with each species by length group (mm) for the winter and summer fisheries at Enemy Swim. Abbreviations for species are as follows: Black Crappie (BLC), Bluegill (BLG), Largemouth Bass (LMB), Northern Pike (NOP), Rock Bass (ROB), Smallmouth Bass (SMB), Walleye (WAE), White Bass (WHB), Yellow Perch (YEP).

Winter 2014-2015									
Length Group (mm)	BLC (N=46)	BLG (N=261)	LMB (N=1)	NOP (N=8)	ROB (N=0)	SMB (N=0)	WAE (N=5)	WHB (N=2)	YEP (N=9)
170		3							
180		6							1
190		6							1
200		28							2
210		85							
220		99							2
230		27							
240	1	4							3
250	4	2							
260	4								
270	13								
280	13								
290	8								
300	1								
310	2								
320									
330								1	
340									
350									
360									
370									
380			1				1		
390							2		
400									
410									
420							1		
430								1	
440									
450									
460									
470									
480									
490									
500									
510									
520									
530				2					
540				1					
550									
560									
570									
580				1					
590									
600									
610									
620				1					
630									
640									
650									
660									
670									
680							1		
690									
700									
710				1					
720									
730									
740									
750									
760									
770									
780									
790									
800									
810									
820									
830									

840
850
860
870
880
890
900
910
920
930
940
950
960
970
980
990
1000
1010
1020
1030
1040
1050
1060
1070
1080
1090
1100
1110
1120
1130
1140
1150
1160
1170
1180
1190
1200
1210
1220
1230
1240
1250
1260
1270
1280
1290
1300
1310
1320
1330
1340
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1370
1380
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1400
1410
1420
1430
1440
1450
1460
1470
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1490
1500
1510
1520
1530
1540
1550
1560
1570

1

1

1580
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1600
1610
1620
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2010
2020
2030
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2050
2060
2070
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2090
2100
2110
2120
2130
2140
2150
2160
2170
2180
2190
2200
2210
2220
2230
2240
2250
2260
2270
2280
2290
2300
2310

2320
 2330
 2340
 2350
 2360
 2370
 2380
 2390
 2400
 2410
 2420
 2430
 2440
 2450
 2460
 2470

1

Summer 2015

Length Group (mm)	BLC (N=3)	BLG (N=86)	LMB (N=0)	NOP (N=2)	ROB (N=3)	SMB (N=3)	WAE (N=14)	WHB (N=3)	YEP (N=1)
160					1				
170									
180									
190		2							
200		5							
210		17							
220		31							
230		26				1			
240		3			1				1
250	1	2							
260					1				
270									
280						1			
290	2								
300									
310									
320						1			
340							1	1	
350								1	
360									
370							1		
380							3	1	
390							1		
400							1		
410									
420							1		
430							1		
440							2		
450									
460									
470							1		
480									
490							2		
540				1					
550									
560									
570									
580									
590									
600									
610									
620									
630									
640									
650									
660									
670				1					

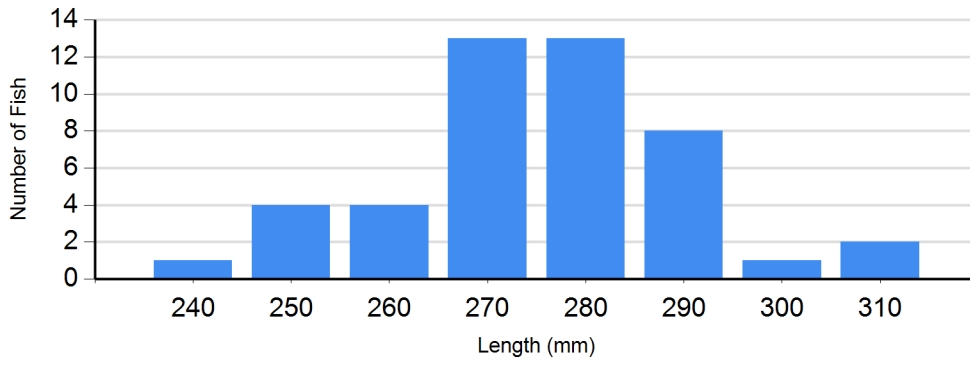
Winter 2015-2016

Length Group (mm)	BLC (N=27)	BLG (N=192)	LMB (N=0)	NOP (N=3)	ROB (N=0)	SMB (N=0)	WAE (N=1)	WHB (N=0)	YEP (N=11)
160		3							
170		10							1
180		24							1
190		31							3
200		48							1
210	1	41							3
220		18							1
230		13							1
240		4							
250	1								
260									
270	4								
280	6								
290	7								
300	3								
310	5								
370							1		
520				1					
530									
540									
550									
560				1					
570									
580				1					

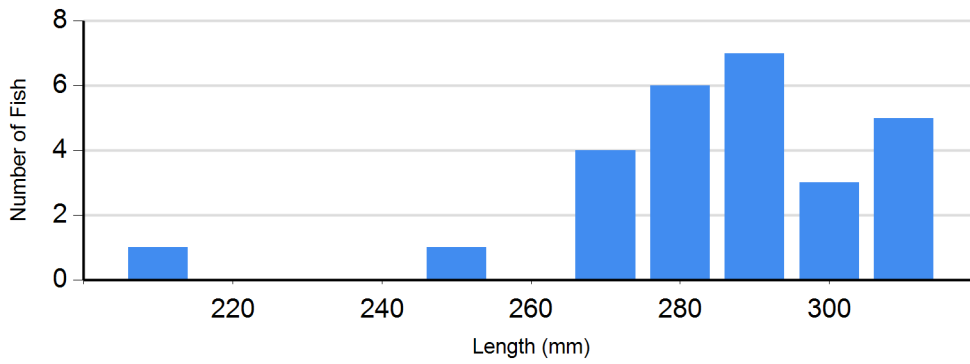
Summer 2016

Length Group (mm)	BLC (N=5)	BLG (N=169)	LMB (N=0)	NOP (N=3)	ROB (N=6)	SMB (N=31)	WAE (N=42)	WHB (N=1)	YEP (N=2)
160		1							
170		1							
180		9							
190		14							
200		24							
210		27			1				1
220		30			1				
230		44			2				
240		16							
250		2			2	1			1
260		1				1			
270						1			
280	1								
290	2					2			
300	1					3			
310	1					7			
320						4			
330						5			
340						4			
350						3			
380								1	
390							11		
400							14		
410							6		
420							6		
430							3		
440									
450									
460									
470							1		
480									
490							1		
500				1					
510									
520									
530									
540									
550				1					
560									
570									
580									
590									
600									
610									
620									
630									
640									
650									
660									
670									
680									
690									
700									
710									
720									
730									
740									
750									
760									
770									
780									
790				1					

Length frequency of angler-harvested Black Crappie measured by the creel clerk during creel surveys on Enemy Swim.

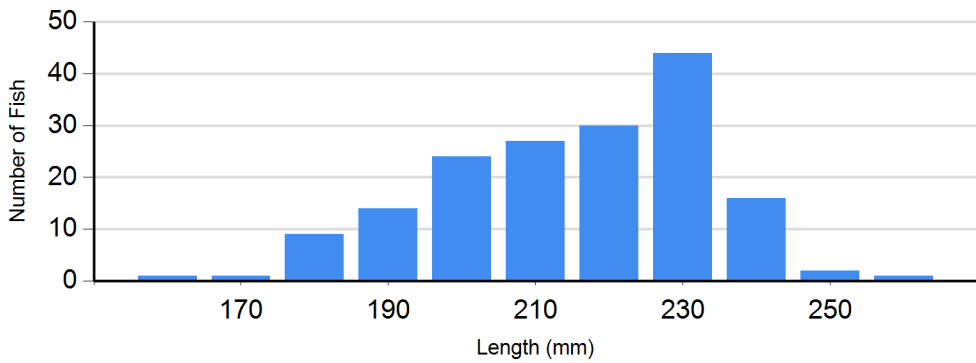
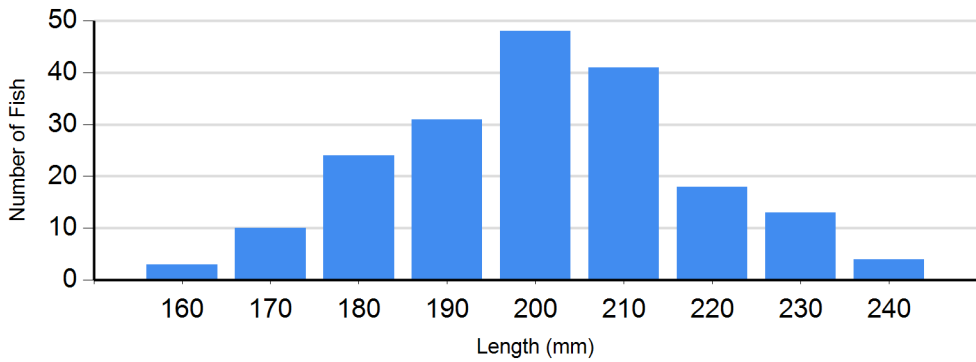
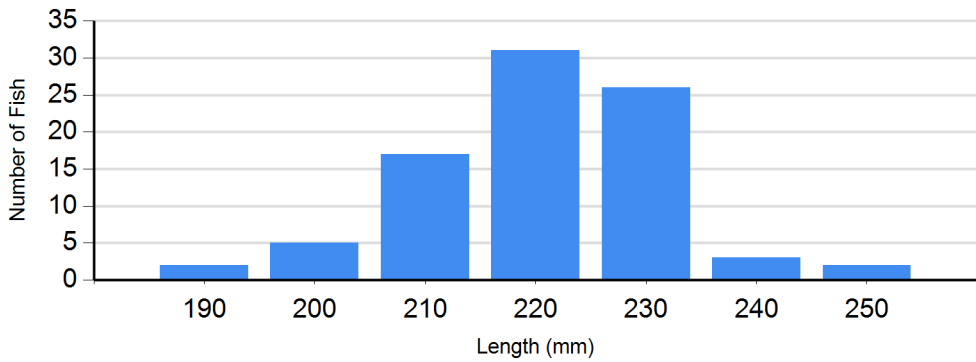
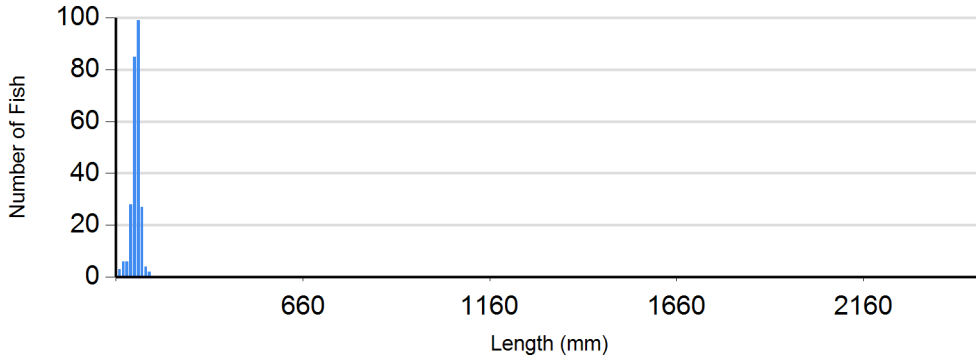


Winter 2014-2015
N = 46
Mean TL = 275 mm

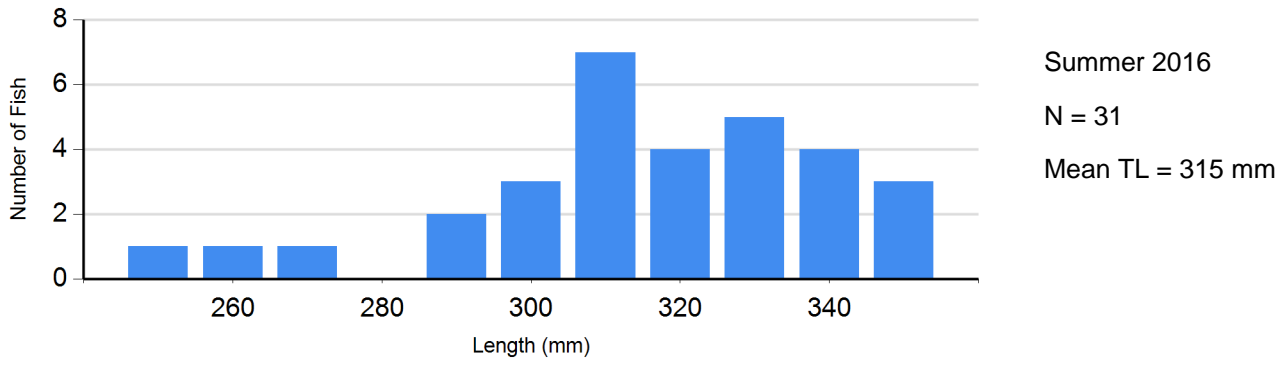


Winter 2015-2016
N = 27
Mean TL = 285 mm

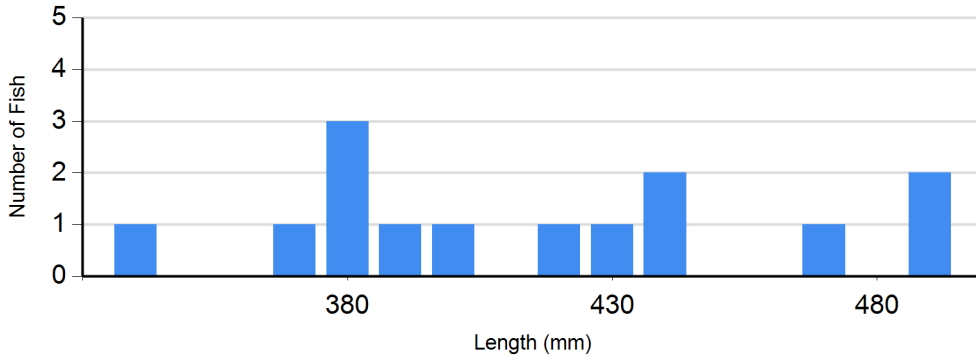
Length frequency of angler-harvested Bluegill measured by the creel clerk during creel surveys on Enemy Swim.



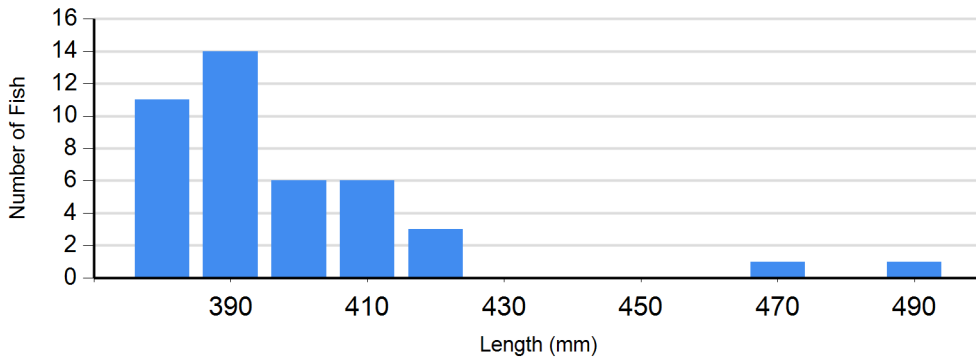
Length frequency of angler-harvested Smallmouth Bass measured by the creel clerk during creel surveys on Enemy Swim.



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

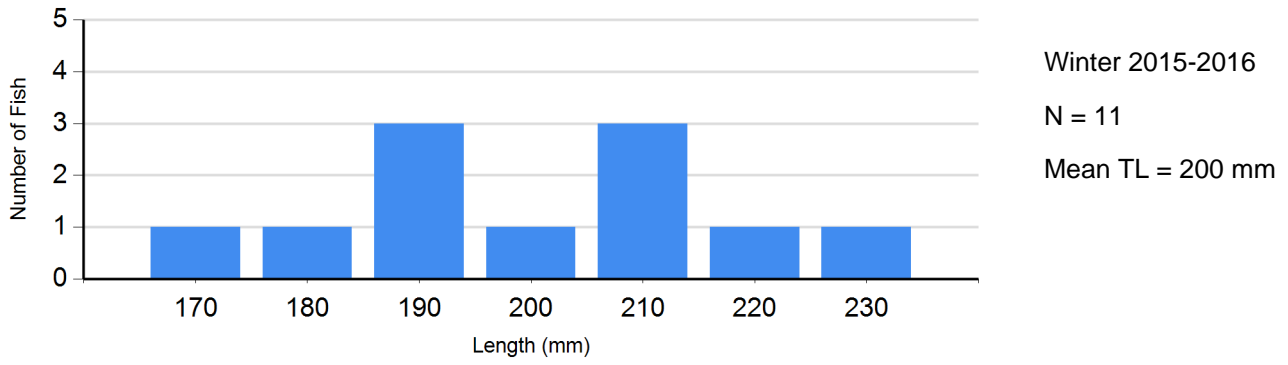


Summer 2015
N = 14
Mean TL = 415 mm



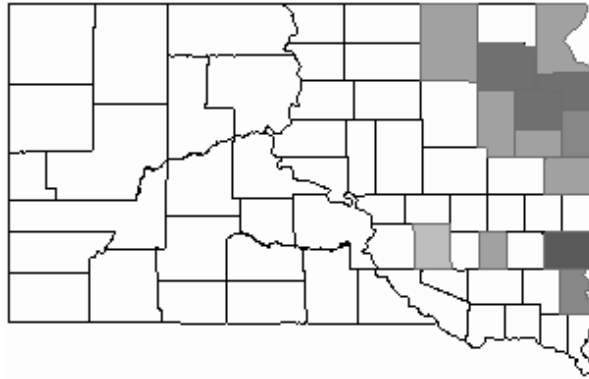
Summer 2016
N = 42
Mean TL = 398 mm

Length frequency of angler-harvested Yellow Perch measured by the creel clerk during creel surveys on Enemy Swim.

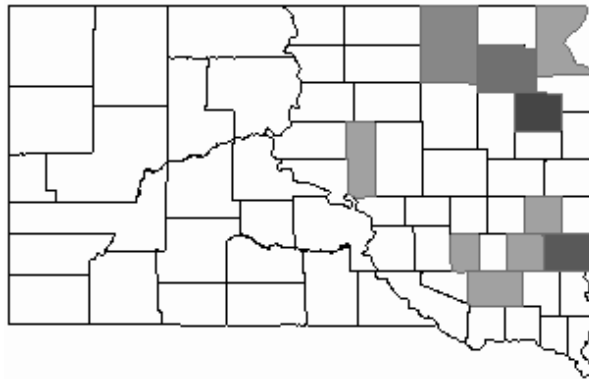


South Dakota county of residence for winter and summer resident anglers fishing Enemy Swim, South Dakota between January 2015 and December 2016.

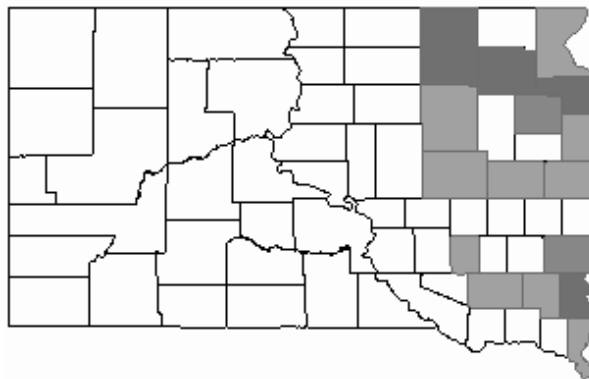
Winter 2014-2015



Summer 2015



Winter 2015-2016



Summer 2016

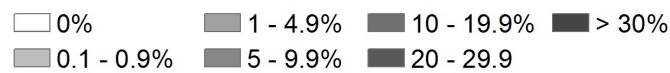
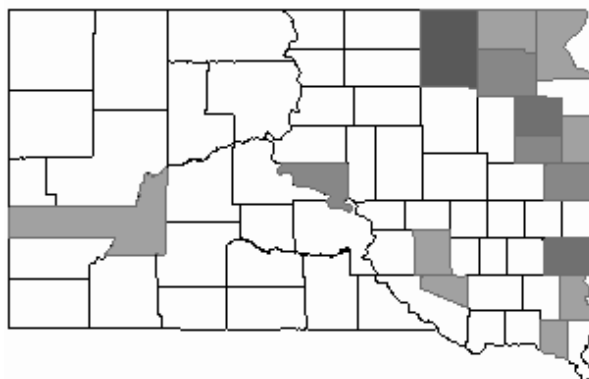


Table 10. Number of parties or anglers interviewed that harvested (or caught) a specified number of fish total over selected strata for a species.

Angler Harvest	Count								
	BLC (n=225)	BLG (n=2127)	LMB (n=0)	NOP (n=0)	ROB (n=0)	SMB (n=3)	WAE (n=60)	WHB (n=0)	YEP (n=0)
0.00	0	0	0	0	0	0	0	0	0
0.20	0	1	0	0	0	0	0	0	0
0.33	0	0	0	1	0	0	2	0	0
0.67	0	2	0	0	0	0	0	0	0
1.00	0	5	0	0	0	0	3	0	0
1.50	0	3	0	0	0	0	0	0	0
2.00	0	0	0	0	0	0	4	0	0
3.00	0	12	0	0	0	0	0	0	0
6.50	0	13	0	0	0	0	0	0	0
10.00	0	60	0	0	0	0	0	0	0
15.00	0	60	0	0	0	0	0	0	0

Angler Harvest	Count								
	BLC (n=225)	BLG (n=2127)	LMB (n=0)	NOP (n=0)	ROB (n=0)	SMB (n=3)	WAE (n=60)	WHB (n=0)	YEP (n=0)
0.00	0	0	0	0	0	0	0	0	0
0.25	0	0	0	0	0	0	1	0	0
0.33	0	2	0	0	0	0	0	0	0
0.50	0	1	0	0	0	0	2	0	0
0.67	0	0	0	0	0	0	4	0	0
0.75	0	0	0	0	0	0	3	0	0
1.00	0	4	0	0	0	3	8	0	0
1.25	0	0	0	0	0	0	5	0	0
1.50	0	3	0	0	0	0	9	0	0
2.00	0	16	0	0	0	0	4	0	0
3.00	0	12	0	0	0	0	0	0	0
3.50	0	0	0	0	0	0	7	0	0
4.00	0	8	0	0	0	0	0	0	0
4.50	0	18	0	0	0	0	0	0	0
6.00	0	18	0	0	0	0	0	0	0
11.00	0	44	0	0	0	0	0	0	0
14.00	0	28	0	0	0	0	0	0	0
15.00	0	45	0	0	0	0	0	0	0

Winter 2014-2015

Count

Angler Harvest	BLC (n=225)	BLG (n=2127)	LMB (n=0)	NOP (n=0)	ROB (n=0)	SMB (n=3)	WAE (n=60)	WHB (n=0)	YEP (n=0)
0.00	0	0	0	0	0	0	0	0	0
0.33	0	2	0	0	0	0	2	0	0
0.50	2	3	0	1	0	0	0	0	0
0.67	0	4	0	0	0	0	0	0	0
1.00	3	10	0	0	0	0	0	0	0
1.33	0	0	0	4	0	0	0	0	0
1.50	0	6	0	0	0	0	0	0	0
1.88	0	15	0	0	0	0	0	0	0
2.00	4	14	0	0	0	0	6	0	0
2.50	0	5	0	0	0	0	0	0	0
3.00	3	9	0	0	0	0	0	0	0
3.50	14	7	0	0	0	0	0	0	0
3.60	0	18	0	0	0	0	0	0	0
4.00	0	20	0	0	0	0	0	0	0
4.17	0	25	0	0	0	0	0	0	0
5.00	0	45	0	0	0	0	0	0	0
5.25	0	21	0	0	0	0	0	0	0
5.33	0	16	0	0	0	0	0	0	0
5.50	0	11	0	0	0	0	0	0	0
6.50	0	13	0	0	0	0	0	0	0
6.67	0	20	0	0	0	0	0	0	0
7.00	0	21	0	0	0	0	0	0	0
7.50	0	30	0	0	0	0	0	0	0
8.33	0	50	0	0	0	0	0	0	0
9.00	0	18	0	0	0	0	0	0	0
10.00	0	70	0	0	0	0	0	0	0
11.00	0	11	0	0	0	0	0	0	0
12.00	36	48	0	0	0	0	0	0	0
12.50	25	25	0	0	0	0	0	0	0
13.00	13	0	0	0	0	0	0	0	0
13.33	0	40	0	0	0	0	0	0	0
14.00	0	56	0	0	0	0	0	0	0
14.50	0	58	0	0	0	0	0	0	0
14.75	0	59	0	0	0	0	0	0	0
15.00	0	630	0	0	0	0	0	0	0

Winter 2015-2016

Count

Angler Harvest	BLC (n=225)	BLG (n=2127)	LMB (n=0)	NOP (n=0)	ROB (n=0)	SMB (n=3)	WAE (n=60)	WHB (n=0)	YEP (n=0)
0.00	0	0	0	0	0	0	0	0	0
0.33	0	4	0	0	0	0	0	0	0
0.50	0	3	0	0	0	0	0	0	0
0.67	0	2	0	0	0	0	0	0	0
0.75	0	3	0	0	0	0	0	0	0
1.00	0	2	0	2	0	0	0	0	0
1.50	0	3	0	0	0	0	0	0	0
1.60	0	8	0	0	0	0	0	0	0
2.00	0	22	0	0	0	0	0	0	0
2.50	0	5	0	0	0	0	0	0	0
3.00	0	6	0	0	0	0	0	0	0
3.50	0	14	0	0	0	0	0	0	0
3.80	0	38	0	0	0	0	0	0	0
4.50	0	9	0	0	0	0	0	0	0
5.33	0	16	0	0	0	0	0	0	0
5.50	0	11	0	0	0	0	0	0	0
6.00	0	18	0	0	0	0	0	0	0
7.50	0	30	0	0	0	0	0	0	0
8.00	0	40	0	0	0	0	0	0	0
10.00	40	0	0	0	0	0	0	0	0
11.50	0	23	0	0	0	0	0	0	0
12.50	25	25	0	0	0	0	0	0	0
13.00	0	26	0	0	0	0	0	0	0
13.33	0	40	0	0	0	0	0	0	0
14.00	0	14	0	0	0	0	0	0	0
15.00	60	30	0	0	0	0	0	0	0

Table 11 The number (N) and percent of total interviews in supplemental-response categories by question asked during interviews at Enemy Swim.

Question: Considering all factors, how satisfied are you with you fishing trip today?

Response	Winter 2015-2016 (n = 126)
Being with Friends/Slightly Dissatisfied <input type="checkbox"/>	7%
Catching Fish/Neutral <input type="checkbox"/>	21%
Harvesting Fish/Moderately satisfied <input type="checkbox"/>	14%
Other/Moderately Dissatisfied <input type="checkbox"/>	6%
Participating/Slightly Satisfied <input type="checkbox"/>	10%
Relaxation/Very Satisfied <input type="checkbox"/>	38%
Very Dissatisfied <input type="checkbox"/>	4%

Question: Considering all factors, how satisfied are you with your fishing trip today?

Response	Summer 2016 (n = 78)
Being with friends/Slightly Dissatisfied <input type="checkbox"/>	8%
Catching Fish/Neutral <input type="checkbox"/>	13%
Harvesting Fish/Moderately Satisfied <input type="checkbox"/>	21%
Other/Moderately Dissatisfied <input type="checkbox"/>	4%
Participating/Slightly Satisfied <input type="checkbox"/>	21%
Relaxation/Very Satisfied <input type="checkbox"/>	31%
Very Dissatisfied <input type="checkbox"/>	4%

Question: What is the most important factor to you in defining a successful fishing trip?

Response	Summer 2016 (n = 78)
Being with friends/Slightly Dissatisfied <input type="checkbox"/>	18%
Catching Fish/Neutral <input type="checkbox"/>	22%
Harvesting Fish/Moderately Satisfied <input type="checkbox"/>	5%
Other/Moderately Dissatisfied <input type="checkbox"/>	5%
Participating/Slightly Satisfied <input type="checkbox"/>	13%
Relaxation/Very Satisfied <input type="checkbox"/>	36%
Very Dissatisfied <input type="checkbox"/>	1%