

Creel and Lake Information

Lake Information

Lake Name: Pickerel
Lake Code: UBS-Lake-358-000
Surface Area: 400.41 Hectares
County: Day
Start Date: 1/15/2016
End Date: 3/6/2016
Months Included: January, February, March

Table 1. Percent of angling parties interviewed primarily targeting a species (or any species) by month and overall for Pickerel during 2015 - 2016. Any Species (ANY), Black Crappie (BLC), Bluegill (BLG), 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	NOP	ROB	SMB	WAE	WHB	YEP
2015	December	2	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Overall	2	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2016	January	13	15.4	15.4	0.0	7.7	0.0	0.0	46.2	0.0	15.4
	February	23	26.1	26.1	0.0	8.7	0.0	0.0	26.1	0.0	13.0
	March	4	0.0	0.0	25.0	25.0	0.0	0.0	0.0	0.0	50.0
	Overall	40	20.0	20.0	2.5	10.0	0.0	0.0	30.0	0.0	17.5

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 Pickerel (80% confidence interval).

Year	Month	# Interviews	Angler Hours	Angler Days	Trip Length (h)	Party Size	% SD Residents	% Boat or Shack	% Weekend/Holidays
2015-2016	January	13	444 (455)	163	2.72	2.20 (0.33)	46	77	77
	February	23	3,926 (2,393)	828	4.74 (1.73)	2.71 (0.78)	35	61	83
	March	4	2,818 (1,137)	188	14.98	2.00	25	0	100
	Overall	40	7,517 (2,694)	1,105	6.80 (0.93)	2.39 (0.37)	40	62	81

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

Lake	Month
	Total
Pickerel Lake	0

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

Species	Month
	Total
Black Crappie	0
Bluegill	0
Northern Pike	0
Rock Bass	0
Smallmouth Bass	0
Walleye	0
White Bass	0
Yellow Perch	0
Total	0

Table 5a. Estimated monthly and overall angler catch rate per hour fished (C/h) for all anglers by species at Pickerel (80% confidence interval). Abbreviations for species are as follows: Black Crappie (BLC), Bluegill (BLG), 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	NOP	ROB	SMB	WAE	WHB	YEP
		C/h	C/h	C/h	C/h	C/h	C/h	C/h	C/h
2015-2016	January	0.00	0.00	0.06	0.00	0.06	0.20	0.00	0.20
	February	<0.01	0.00	0.03	<0.01	0.18	0.05	<0.01	0.06
	March	0.01	0.00	0.00	0.00	0.01	0.00	<0.01	0.12
	Overall	0.01	0.00	0.02	<0.01	0.10	0.04	<0.01	0.09

Table 5b. Estimated monthly and overall angler harvest rate per hour fished (H/h) for all anglers by species at Pickerel (80% confidence interval). Abbreviations for species are as follows: Black Crappie (BLC), Bluegill (BLG), 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	NOP	ROB	SMB	WAE	WHB	YEP
		H/h	H/h	H/h	H/h	H/h	H/h	H/h	H/h
2015-2016	January	0.00	0.00	0.01	0.00	0.00	0.12	0.00	0.14
	February	<0.01	0.00	0.02	0.00	0.02	0.02	<0.01	0.06
	March	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.12
	Overall	0.01	0.00	0.01	0.00	0.01	0.02	<0.01	0.08

Table 6a. Estimated monthly and overall angler catch rate per hour fished (C/h) only for anglers primarily targeting a species at Pickerel. (80% confidence interval). Abbreviations for species are as follows: Black Crappie (BLC), Bluegill (BLG), 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	NOP	ROB	SMB	WAE	WHB	YEP
		C/h	C/h	C/h	C/h	C/h	C/h	C/h	C/h
2015-2016	January	0.00	0.00	2.00	0.00	0.00	0.34 (0.87)	0.00	0.08
	February	<0.01 (<0.01)	0.00	0.13 (0.72)	0.00	0.00	0.26 (0.02)	0.00	0.14
	March	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.44
	Overall	<0.01 (<0.01)	0.00	0.62 (0.28)	0.00	0.00	0.30 (0.44)	0.00	0.20

Table 6b. Estimated monthly and overall angler harvest rate per hour fished (H/h) only for anglers primarily targeting a species at Pickerel. (80% confidence interval). Abbreviations for species are as follows: Black Crappie (BLC), Bluegill (BLG), 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	NOP	ROB	SMB	WAE	WHB	YEP
		H/h	H/h	H/h	H/h	H/h	H/h	H/h	H/h
2015- 2016	January	0.00	0.00	2.00	0.00	0.00	0.21 (0.87)	0.00	0.08
	February	<0.01 (<0.01)	0.00	0.13 (0.42)	0.00	0.00	0.13 (<0.01)	0.00	0.14
	March	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.44
	Overall	<0.01 (<0.01)	0.00	0.62 (0.16)	0.00	0.00	0.17 (0.43)	0.00	0.20

Table 7a. Estimated monthly and overall angler catch (C) for all anglers by species at Pickerel (80% confidence interval). Abbreviations for species are as follows: Black Crappie (BLC), Bluegill (BLG), 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	NOP	ROB	SMB	WAE	WHB	YEP
		C	C	C	C	C	C	C	C
2015- 2016	January	0	0	28	0	25	89	0	87
	February	18	0	102	6	696	180	3	254
	March	27	0	0	0	40	0	13	332
	Overall	45	0	130	6	761	270	16	673

Table 7b. Estimated monthly and overall angler harvest (H) for all anglers by species at Pickerel (80% confidence interval). Abbreviations for species are as follows: Black Crappie (BLC), Bluegill (BLG), 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	NOP	ROB	SMB	WAE	WHB	YEP
		H	H	H	H	H	H	H	H
2015- 2016	January	0	0	2	0	0	55	0	62
	February	18	0	87	0	90	84	3	236
	March	27	0	0	0	0	0	0	332
	Overall	45	0	90	0	90	139	3	630

Table 8. Estimated number and rate (number per hour) of Black Crappie (BLC), Bluegill (BLG), 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 Pickerel, (80% confidence interval).

Black Crappie

Season	Year	Catch	Harvest	Catch Rate	Harvest Rate
Summer	2007	2,254 (589)	571 (378)	0.07 (0.04)	0.02 (0.02)
Summer	2008	3,407 (3,224)	2,214 (2,523)	0.14 (0.15)	0.09 (0.11)
Summer	2009	10,568 (5,048)	6,386 (3,393)	0.26 (0.19)	0.16 (0.13)
Summer	2010	12,220 (4,746)	10,174 (4,160)	0.44 (0.15)	0.37 (0.15)
Winter	2006-2007	1,959	1,432	0.15	0.11
Winter	2007-2008	4,704	2,432	0.39	0.20
Winter	2008-2009	20,578	18,271	0.78	0.69
Winter	2009-2010	10,949	9,172	0.74	0.62
Winter	2010-2011	6,752	6,676	0.99	0.98
Winter	2015-2016	45	45	0.01	0.01

Bluegill

Season	Year	Catch	Harvest	Catch Rate	Harvest Rate
Summer	2007	2,763 (2,749)	1,620 (2,304)	0.09 (0.09)	0.05 (0.07)
Summer	2008	110 (85)	21 (30)	<0.01 (<0.01)	<0.01 (<0.01)
Summer	2009	205 (82)	205 (82)	0.01 (<0.01)	0.01 (<0.01)
Summer	2010	188 (106)	188 (106)	0.01 (<0.01)	0.01 (<0.01)
Winter	2006-2007	1,283	607	0.10	0.05
Winter	2007-2008	512	204	0.04	0.02
Winter	2008-2009	559	470	0.02	0.02
Winter	2009-2010	281	211	0.02	0.01
Winter	2010-2011	129	43	0.02	0.01

Northern Pike

Season	Year	Catch	Harvest	Catch Rate	Harvest Rate
Summer	2007	2,459 (1,086)	633 (212)	0.08 (0.05)	0.02 (<0.01)
Summer	2008	2,621 (848)	289 (191)	0.11 (0.04)	0.01 (<0.01)
Summer	2009	1,518 (572)	220 (162)	0.04 (0.02)	0.01 (<0.01)
Summer	2010	1,741 (441)	184 (80)	0.06 (0.02)	0.01 (<0.01)
Winter	2006-2007	154	37	0.01	<0.01
Winter	2007-2008	232	145	0.02	0.01
Winter	2008-2009	386	117	0.01	<0.01
Winter	2009-2010	20	0	<0.01	0.00
Winter	2015-2016	130	90	0.02	0.01

Rock Bass

Season	Year	Catch	Harvest	Catch Rate	Harvest Rate
Summer	2007	3,403 (910)	125 (140)	0.11 (0.04)	<0.01 (<0.01)
Summer	2008	21 (18)	21 (18)	<0.01 (<0.01)	<0.01 (<0.01)
Summer	2009	130 (106)	0	<0.01 (<0.01)	0.00
Winter	2007-2008	8	8	<0.01	<0.01
Winter	2015-2016	6	0	<0.01	0.00

Smallmouth Bass

Season	Year	Catch	Harvest	Catch Rate	Harvest Rate
Summer	2007	19,441 (11,792)	638 (732)	0.61 (0.42)	0.02 (0.02)
Summer	2008	9,247 (2,408)	210 (152)	0.38 (0.13)	0.01 (<0.01)
Summer	2009	2,595 (811)	110 (101)	0.06 (0.03)	<0.01 (<0.01)
Summer	2010	2,009 (1,565)	143 (236)	0.07 (0.07)	0.01 (<0.01)
Winter	2006-2007	169	0	0.01	0.00
Winter	2007-2008	136	18	0.01	<0.01
Winter	2008-2009	32	0	<0.01	0.00
Winter	2010-2011	7	0	<0.01	0.00
Winter	2015-2016	761	90	0.10	0.01

Walleye

Season	Year	Catch	Harvest	Catch Rate	Harvest Rate
Summer	2007	7,673 (1,999)	3,344 (1,233)	0.24 (0.11)	0.11 (0.06)
Summer	2008	6,816 (1,707)	893 (535)	0.28 (0.10)	0.04 (0.02)
Summer	2009	10,049 (4,274)	1,642 (1,335)	0.25 (0.11)	0.04 (0.03)
Summer	2010	6,329 (3,448)	481 (747)	0.23 (0.11)	0.02 (0.03)
Winter	2006-2007	239	180	0.02	0.01
Winter	2007-2008	1,443	452	0.12	0.04
Winter	2008-2009	547	42	0.02	<0.01
Winter	2009-2010	247	0	0.02	0.00
Winter	2010-2011	80	0	0.01	0.00
Winter	2015-2016	270	139	0.04	0.02

White Bass

Season	Year	Catch	Harvest	Catch Rate	Harvest Rate
Summer	2007	2,385 (713)	195 (118)	0.08 (0.04)	0.01 (<0.01)
Summer	2008	701 (453)	21 (34)	0.03 (0.03)	<0.01 (<0.01)
Summer	2009	847 (464)	220 (269)	0.02 (0.01)	0.01 (<0.01)
Summer	2010	799 (583)	771 (581)	0.03 (0.02)	0.03 (0.02)
Winter	2006-2007	7	3	<0.01	<0.01
Winter	2007-2008	73	64	0.01	0.01
Winter	2009-2010	24	24	<0.01	<0.01
Winter	2015-2016	16	3	<0.01	<0.01

Yellow Perch

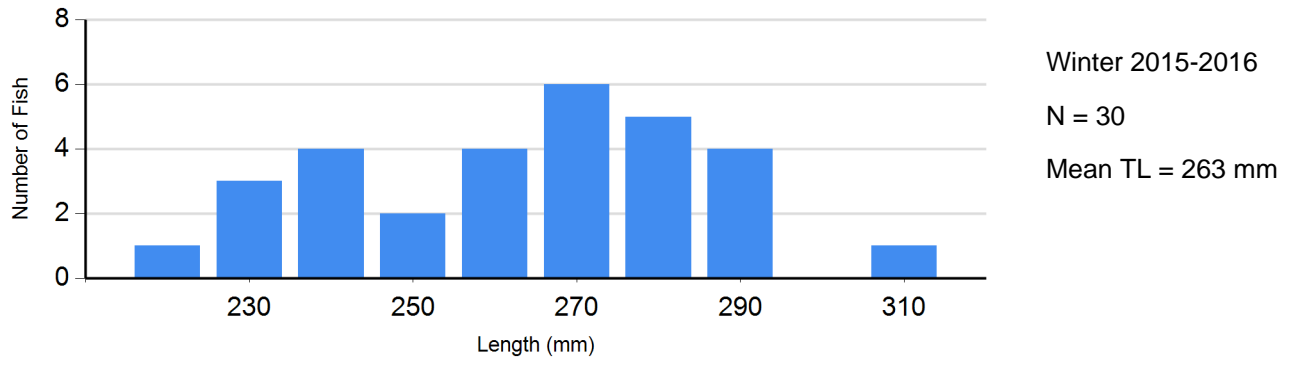
Season	Year	Catch	Harvest	Catch Rate	Harvest Rate
Summer	2007	5,005 (1,383)	636 (289)	0.16 (0.06)	0.02 (0.01)
Summer	2008	1,020 (433)	64 (89)	0.04 (0.02)	<0.01 (<0.01)
Summer	2009	330 (177)	53	0.01 (<0.01)	<0.01 (<0.01)
Summer	2010	75 (65)	75 (65)	<0.01 (<0.01)	<0.01 (<0.01)
Winter	2006-2007	6,139	2,864	0.47	0.22
Winter	2007-2008	6,616	3,972	0.54	0.33
Winter	2008-2009	7,393	4,810	0.28	0.18
Winter	2009-2010	3,072	2,024	0.21	0.14
Winter	2010-2011	1,979	372	0.29	0.05
Winter	2015-2016	673	630	0.09	0.08

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

Winter 2015-2016

Length Group (mm)	BLC (N=2)	BLG (N=0)	NOP (N=6)	ROB (N=0)	SMB (N=7)	WAE (N=7)	WHB (N=0)	YEP (N=30)
220								1
230								3
240					1			4
250								2
260					1			4
270								6
280	1				1			5
290	1							4
300					2			
310								1
320								
330					1			
340								
350					1			
360						1		
370								
380						2		
390						1		
400						3		
460			1					
470								
480								
490								
500								
510			1					
520								
530			1					
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890								
900								
910								
920								
930			1					

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



South Dakota county of residence for winter and summer resident anglers fishing Pickerel, South Dakota between December 2015 and March 2016.

Winter 2015-2016

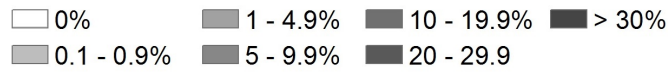
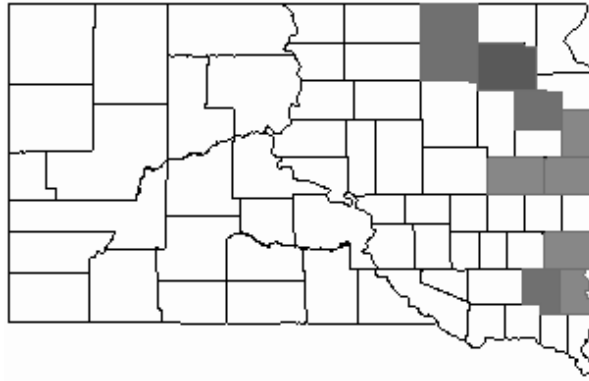


Table 10. Number of parties or anglers interviewed that harvested (or caught) a specified number of fish total over selected strata for a species.

Angler Harvest	Count							
	BLC (n=1)	BLG (n=0)	NOP (n=3)	ROB (n=0)	SMB (n=0)	WAE (n=7)	WHB (n=0)	YEP (n=37)
0.00	0	0	0	0	0	0	0	0
0.20	0	0	0	0	0	1	0	0
0.50	1	0	0	0	0	4	0	2
1.00	0	0	1	0	0	2	0	0
1.40	0	0	0	0	0	0	0	7
1.50	0	0	0	0	0	0	0	3
2.00	0	0	2	0	0	0	0	0
11.00	0	0	0	0	0	0	0	11
14.00	0	0	0	0	0	0	0	14

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

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

Response	Winter 2015-2016 (n = 41)
Beingwith Friends/Slightly Dissatisfied <input type="checkbox"/>	2%
Catching Fish/Neutral <input type="checkbox"/>	22%
Harvesting Fish/Moderately satisfied <input type="checkbox"/>	22%
Other/Moderately Dissatisfied <input type="checkbox"/>	7%
Participating/Slightly Satisfied <input type="checkbox"/>	7%
Relaxation/Very Satisfied <input type="checkbox"/>	34%
Very Dissatisfied <input type="checkbox"/>	5%

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

Response	Winter 2015-2016 (n = 40)
Catching Fish/Neutral <input type="checkbox"/>	53%
Harvesting Fish/Moderately satisfied <input type="checkbox"/>	13%
Other/Moderately Dissatisfied <input type="checkbox"/>	8%
Participating/Slightly Satisfied <input type="checkbox"/>	20%
Relaxation/Very Satisfied <input type="checkbox"/>	8%