

Creel and Lake Information

Lake Information

Lake Name: Kameska
Lake Code: UBS-Lake-171-000
Surface Area: 2,018.23 Hectares
County: Codington
Start Date: 5/12/2017
End Date: 8/19/2017
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 Kameska during 2016 - 2017. Any Species (ANY), Black Crappie (BLC), Northern Pike (NOP), Smallmouth Bass (SMB), Walleye (WAE), White Bass (WHB), White Crappie (WHC), Yellow Perch (YEP).

Year	Month	# of Interviews	Percent of Anglers Targeting							
			ANY	BLC	NOP	SMB	WAE	WHB	WHC	YEP
2017	May	23	43.5	0.0	0.0	21.7	26.1	0.0	0.0	0.0
	June	39	12.8	0.0	0.0	15.4	56.4	7.7	0.0	0.0
	July	18	27.8	0.0	0.0	0.0	66.7	0.0	0.0	5.6
	August	26	11.5	0.0	0.0	19.2	57.7	0.0	0.0	11.5
	Overall	106	21.7	0.0	0.0	15.1	51.9	2.8	0.0	3.8

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 Kampeska (80% confidence interval).

Year	Month	# Interviews	Angler Hours	Angler Days	Trip Length (h)	Party Size	% SD Residents	% Boat or Shack	% Weekend/Holidays
2017	May	23	1,046 (716)	333	3.14 (0.55)	1.36 (0.27)	96	61	70
	June	39	3,599 (1,033)	825	4.36	1.60 (0.36)	100	77	46
	July	18	3,319 (1,215)	720	4.61	1.47	94	100	61
	August	26	2,053 (800)	419	4.90 (0.52)	1.58 (0.39)	100	73	42
	Overall	106	10,017 (1,923)	2,282	4.39 (0.17)	1.52 (0.15)	98	76	53

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

Lake	Month				Total
	April	May	June	July	
Kameska	1,046 (716)	3,599 (1,033)	3,319 (1,215)	2,053 (800)	10,017 (1,923)

Table 4. Estimated number of fish harvested, by species and month, for the summer season 2017 daylight period on Kameska (80% confidence interval).

Species	Month				Total
	May	June	July	August	
Black Crappie	0	0	0	0	0
Northern Pike	0	0	0	0	0
Smallmouth Bass	34 (54)	7 (11)	0	0	42 (65)
Walleye	57 (90)	111	71 (68)	102 (80)	239 (158)
White Bass	10 (13)	34 (29)	0	0	43 (43)
White Crappie	0	0	0	0	0
Yellow Perch	0	19 (20)	51 (29)	331 (219)	69 (49)
Total	102 (158)	170 (60)	121 (97)	433 (299)	393 (314)

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

Year	Month	BLC	NOP	SMB	WAE	WHB	WHC	YEP
		C/h	C/h	C/h	C/h	C/h	C/h	C/h
2017	May	0.00	0.02 (0.04)	0.54 (1.17)	0.25 (0.38)	0.01 (0.01)	0.00	0.00
	June	0.00	0.03 (0.02)	0.33 (0.20)	0.12	0.12 (0.07)	0.00	0.01 (<0.01)
	July	0.00	0.05 (0.08)	0.05 (0.07)	0.24 (0.18)	0.07 (0.06)	0.00	0.09 (0.13)
	August	0.00	0.01 (<0.01)	0.17 (0.22)	0.26 (0.44)	0.13 (0.20)	0.00	0.26 (0.38)
	Overall	0.00	0.03 (0.02)	0.23 (0.13)	0.20 (0.11)	0.09 (0.05)	0.00	0.09 (0.07)

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

Year	Month	BLC	NOP	SMB	WAE	WHB	WHC	YEP
		H/h	H/h	H/h	H/h	H/h	H/h	H/h
2017	May	0.00	0.00	0.03 (0.08)	0.05 (0.09)	0.01 (0.01)	0.00	0.00
	June	0.00	0.00	<0.01 (<0.01)	0.03	0.01 (<0.01)	0.00	0.01 (<0.01)
	July	0.00	0.00	0.00	0.02 (0.02)	0.00	0.00	0.02 (0.01)
	August	0.00	0.00	0.00	0.05 (0.07)	0.00	0.00	0.16 (0.20)
	Overall	0.00	0.00	<0.01 (<0.01)	0.03 (0.01)	<0.01 (<0.01)	0.00	0.04 (0.03)

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

Year	Month	BLC	NOP	SMB	WAE	WHB	WHC	YEP
		C/h	C/h	C/h	C/h	C/h	C/h	C/h
2017	May	0.00	0.00	1.62 (0.55)	0.80 (0.26)	0.00	0.00	0.00
	June	0.00	0.00	2.43 (2.10)	0.17 (0.26)	0.10 (0.18)	0.00	0.00
	July	0.00	0.00	0.00	0.33 (0.41)	0.00	0.00	0.22
	August	0.00	0.00	0.98 (0.70)	0.34 (0.43)	0.00	0.00	0.36(0.25)
	Overall	0.00	0.00	1.68 (0.86)	0.36 (0.19)	0.10 (0.18)	0.00	0.33(0.20)

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

Year	Month	BLC	NOP	SMB	WAE	WHB	WHC	YEP
		H/h	H/h	H/h	H/h	H/h	H/h	H/h
2017	May	0.00	0.00	0.00	0.05 (0.06)	0.00	0.00	0.00
	June	0.00	0.00	0.00	0.04 (0.11)	0.00	0.00	0.00
	July	0.00	0.00	0.00	0.04 (0.10)	0.00	0.00	0.11
	August	0.00	0.00	0.00	0.07 (0.10)	0.00	0.00	0.36 (0.32)
	Overall	0.00	0.00	0.00	0.05 (0.05)	0.00	0.00	0.31 (0.25)

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

Year	Month	BLC	NOP	SMB	WAE	WHB	WHC	YEP
		C	C	C	C	C	C	C
2017	May	0	23 (44)	561 (671)	262 (350)	10 (13)	0	0
	June	0	98 (67)	1,202 (457)	438	426 (279)	0	37 (29)
	July	0	160 (165)	181 (151)	804 (381)	221 (164)	0	291 (202)
	August	0	20 (19)	342 (243)	525 (494)	268 (203)	0	534 (396)
	Overall	0	301 (184)	2,287 (861)	2,028 (715)	925 (383)	0	863 (446)

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

Year	Month	BLC	NOP	SMB	WAE	WHB	WHC	YEP
		H	H	H	H	H	H	H
2017	May	0	0	34 (54)	57 (90)	10 (13)	0	0
	June	0	0	7 (11)	111	34 (29)	0	19 (20)
	July	0	0	0	71 (68)	0	0	51 (29)
	August	0	0	0	102 (80)	0	0	331 (219)
	Overall	0	0	42 (55)	341 (83)	43 (32)	0	400 (222)

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

Northern Pike

Season	Year	Catch	Harvest	Catch Rate	Harvest Rate
Summer	2012	1,998 (574)	22 (24)	0.14 (0.08)	<0.01 (<0.01)
Summer	2013	2,021 (318)	331	0.11 (0.02)	0.02 (<0.01)
Summer	2017	301 (184)	0	0.03 (0.02)	0.00

Smallmouth Bass

Season	Year	Catch	Harvest	Catch Rate	Harvest Rate
Summer	2012	1,612 (392)	58 (61)	0.11 (0.06)	<0.01 (<0.01)
Summer	2013	911 (475)	110	0.05 (0.03)	0.01 (<0.01)
Summer	2017	2,287 (861)	42 (55)	0.23 (0.13)	<0.01 (<0.01)

Walleye

Season	Year	Catch	Harvest	Catch Rate	Harvest Rate
Summer	2012	5,349 (1,476)	2,479 (817)	0.38 (0.15)	0.17 (0.08)
Summer	2013	3,783 (1,679)	3,233 (1,655)	0.21 (0.10)	0.18 (0.10)
Summer	2017	2,028 (715)	341 (83)	0.20 (0.11)	0.03 (0.01)

White Bass

Season	Year	Catch	Harvest	Catch Rate	Harvest Rate
Summer	2012	7,107 (1,729)	278 (167)	0.50 (0.17)	0.02 (0.02)
Summer	2013	2,294 (1,051)	361 (158)	0.13 (0.06)	0.02 (<0.01)
Summer	2017	925 (383)	43 (32)	0.09 (0.05)	<0.01 (<0.01)

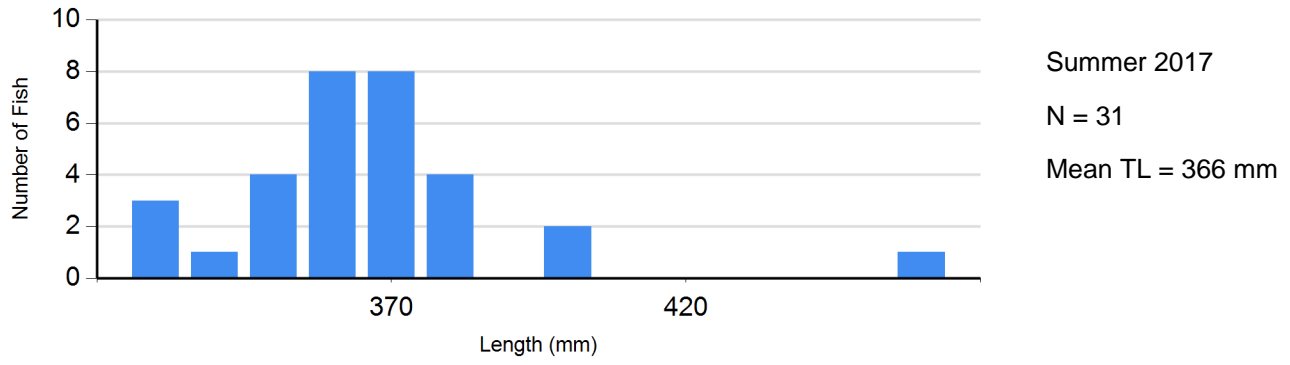
Yellow Perch

Season	Year	Catch	Harvest	Catch Rate	Harvest Rate
Summer	2012	361 (235)	85 (74)	0.03 (0.02)	0.01 (<0.01)
Summer	2013	334 (201)	150 (151)	0.02 (0.01)	0.01 (<0.01)
Summer	2017	863 (446)	400 (222)	0.09 (0.07)	0.04 (0.03)

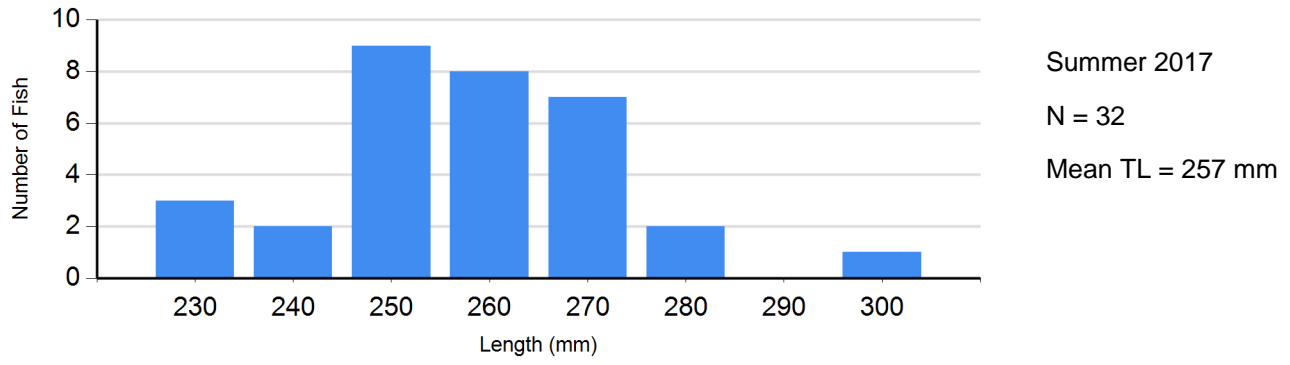
Table 9. The number of fish harvested with each species by length group (mm) for the winter and summer fisheries at Kapeska. Abbreviations for species are as follows: Black Crappie (BLC), Northern Pike (NOP), Smallmouth Bass (SMB), Walleye (WAE), White Bass (WHB), White Crappie (WHC), Yellow Perch (YEP).

Summer 2017							
Length Group (mm)	BLC (N=0)	NOP (N=0)	SMB (N=1)	WAE (N=31)	WHB (N=3)	WHC (N=0)	YEP (N=32)
230					1		3
240							2
250							9
260							8
270							7
280					2		2
290							
300			1				1
330				3			
340				1			
350				4			
360				8			
370				8			
380				4			
390							
400				2			
410							
420							
430							
440							
450							
460				1			

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



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



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

Summer 2017

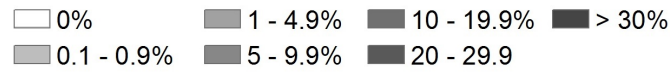
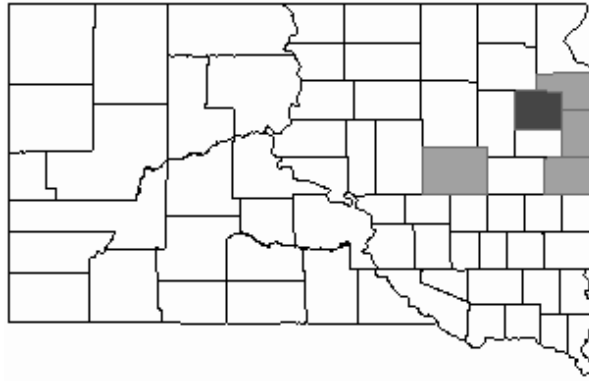


Table 10. Number of parties or anglers interviewed that harvested (or caught) a specified number of fish total over selected strata for a species.

Angler Harvest	Count						
	BLC (n=0)	NOP (n=0)	SMB (n=0)	WAE (n=0)	WHB (n=0)	WHC (n=0)	YEP (n=6)
0.00	0	0	0	0	0	0	0
0.33	0	0	0	1	0	0	1
1.00	0	0	0	5	0	0	2
1.25	0	0	0	5	0	0	0
2.00	0	0	0	10	0	0	0
2.33	0	0	0	7	0	0	0
3.00	0	0	0	0	0	0	3
9.00	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 Kampeska.

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

Response	Summer 2017 (n = 105)
Moderately Satisfied/no min (4 daily)/oppose <input type="checkbox"/>	34%
Neutral/other <input type="checkbox"/>	4%
Slightly Dissatisfied/no opinion <input type="checkbox"/>	9%
Slightly Satisfied/no min (2 daily)/no opinion <input type="checkbox"/>	32%
Very Satisfied/15" min (4 daily)/support <input type="checkbox"/>	21%

Question: Which of the following walleye harvest regulation options would you prefer on this lake?

Response	Summer 2017 (n = 105)
Moderately Satisfied/no min (4 daily)/oppose <input type="checkbox"/>	36%
Slightly Dissatisfied/no opinion <input type="checkbox"/>	10%
Slightly Satisfied/no min (2 daily)/no opinion <input type="checkbox"/>	3%
Very Satisfied/15" min (4 daily)/support <input type="checkbox"/>	51%