

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: 5/11/2018
End Date: 8/17/2018
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 2017 - 2018. Any Species (ANY), Black Crappie (BLC), Smallmouth Bass (SMB), Walleye (WAE), White Bass (WHB).

Year	Month	# of Interviews	Percent of Anglers Targeting				
			ANY	BLC	SMB	WAE	WHB
2017	May	23	43.5	0.0	21.7	26.1	0.0
	June	39	12.8	0.0	15.4	56.4	7.7
	July	18	27.8	0.0	0.0	66.7	0.0
	August	26	11.5	0.0	19.2	57.7	0.0
	Overall	106	21.7	0.0	15.1	51.9	2.8
2018	May	41	0.0	26.8	9.8	61.0	2.4
	June	36	0.0	5.6	30.6	63.9	0.0
	July	18	0.0	0.0	22.2	72.2	5.6
	August	4	0.0	0.0	0.0	100.0	0.0
	Overall	99	0.0	13.1	19.2	65.7	2.0

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 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)	95.65	61	70
	June	39	3,599 (1,033)	825	4.36	1.60 (0.36)	100.00	77	46
	July	18	3,319 (1,215)	720	4.61	1.47	94.44	100	61
	August	26	2,053 (800)	419	4.90 (0.52)	1.58 (0.39)	100.00	73	42
	Overall	106	10,017 (1,923)	2,282	4.39 (0.17)	1.52 (0.15)	98.11	76	53
2018	May	41	4,617 (1,995)	2,108	2.19 (0.39)	1.76 (0.67)	90.24	27	29
	June	36	3,474 (1,823)	1,711	2.03 (0.41)	1.93 (0.40)	94.44	42	36
	July	18	1,615 (270)	471	3.43	1.95 (0.46)	88.89	72	50
	August	4	324 (216)	144	2.25	1.13	100.00	100	50
	Overall	99	10,029 (2,724)	4,028	2.49 (0.15)	1.69 (0.23)	91.92	43	36

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

Lake	Month				Total
	May	June	July	August	
Kameska (Cordington)	4,617 (1,995)	3,474 (1,823)	1,615 (270)	324 (216)	10,029 (2,724)

Table 4. Estimated number of fish harvested, by species and month, for the summer season 2018 daylight period on Kameska (80% confidence interval).

Species	Month				Total
	May	June	July	August	
Black Crappie	1,448 (1,025)	14	0	0	1,463 (1,025)
Smallmouth Bass	0	23 (42)	78 (99)	0	101 (108)
Walleye	82 (71)	0	25 (24)	24 (66)	131 (100)
White Bass	54 (57)	13 (15)	26 (31)	0	93 (67)
Total	1,584 (1,154)	51 (57)	129 (154)	24 (66)	1,787 (1,300)

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), Smallmouth Bass (SMB), Walleye (WAE), White Bass (WHB) and other species (Other).

Year	Month	BLC	SMB	WAE	WHB
		C/h	C/h	C/h	C/h
2017	May	0.00	0.54 (1.17)	0.25 (0.38)	0.01 (0.01)
	June	0.00	0.33 (0.20)	0.12	0.12 (0.07)
	July	0.00	0.05 (0.07)	0.24 (0.18)	0.07 (0.06)
	August	0.00	0.17 (0.22)	0.26 (0.44)	0.13 (0.20)
	Overall	0.00	0.23 (0.13)	0.20 (0.11)	0.09 (0.05)
2018	May	0.37 (0.30)	0.21 (0.16)	0.04 (0.03)	0.22 (0.21)
	June	<0.01	0.11 (0.30)	0.04 (0.04)	0.07 (0.07)
	July	0.00	0.21 (0.20)	0.04 (0.03)	0.03 (0.03)
	August	0.07 (0.08)	0.00	0.26 (0.27)	0.00
	Overall	0.17 (0.13)	0.17 (0.15)	0.05 (0.02)	0.13 (0.09)

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), Smallmouth Bass (SMB), Walleye (WAE), White Bass (WHB) and other species (Other).

Year	Month	BLC	SMB	WAE	WHB
		H/h	H/h	H/h	H/h
2017	May	0.00	0.03 (0.08)	0.05 (0.09)	0.01 (0.01)
	June	0.00	<0.01 (<0.01)	0.03	0.01 (<0.01)
	July	0.00	0.00	0.02 (0.02)	0.00
	August	0.00	0.00	0.05 (0.07)	0.00
	Overall	0.00	<0.01 (<0.01)	0.03 (0.01)	<0.01 (<0.01)
2018	May	0.31 (0.25)	0.00	0.02 (0.02)	0.01 (0.02)
	June	<0.01	0.01 (0.02)	0.00	<0.01 (<0.01)
	July	0.00	0.05 (0.05)	0.02 (0.02)	0.02 (0.02)
	August	0.00	0.00	0.07 (0.21)	0.00
	Overall	0.15 (0.11)	0.01 (0.01)	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 Kapeska. (80% confidence interval). Abbreviations for species are as follows: Black Crappie (BLC), Smallmouth Bass (SMB), Walleye (WAE), White Bass (WHB) and Other Species (Other).

Year	Month	BLC	SMB	WAE	WHB
		C/h	C/h	C/h	C/h
2017	May	0.00	1.62 (0.55)	0.80 (0.26)	0.00
	June	0.00	2.43 (2.10)	0.17 (0.26)	0.10 (0.18)
	July	0.00	0.00	0.33 (0.41)	0.00
	August	0.00	0.98 (0.70)	0.34 (0.43)	0.00
	Overall	0.00	1.68 (0.86)	0.36 (0.19)	0.10 (0.18)
2018	May	1.22 (0.90)	0.63 (1.21)	0.12 (0.08)	0.50
	June	3.23	0.18 (0.14)	0.09 (0.08)	0.00
	July	0.00	0.38 (0.32)	0.07 (0.04)	0.00
	August	0.00	0.00	0.24 (0.67)	0.00
	Overall	2.38 (0.38)	0.38 (0.34)	0.12 (0.10)	0.34

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), Smallmouth Bass (SMB), Walleye (WAE), White Bass (WHB) and Other Species (Other).

Year	Month	BLC	SMB	WAE	WHB
		H/h	H/h	H/h	H/h
2017	May	0.00	0.00	0.05 (0.06)	0.00
	June	0.00	0.00	0.04 (0.11)	0.00
	July	0.00	0.00	0.04 (0.10)	0.00
	August	0.00	0.00	0.07 (0.10)	0.00
	Overall	0.00	0.00	0.05 (0.05)	0.00
2018	May	1.05 (0.55)	0.00	0.10 (0.07)	0.00
	June	3.23	0.05 (0.17)	0.00	0.00
	July	0.00	0.12 (0.35)	0.03 (0.06)	0.00
	August	0.00	0.00	0.16 (0.67)	0.00
	Overall	2.31 (0.23)	0.06 (0.14)	0.06 (0.10)	0.00

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), Smallmouth Bass (SMB), Walleye (WAE), White Bass (WHB) and other species (Other).

Year	Month	BLC	SMB	WAE	WHB
		C	C	C	C
2017	May	0	561 (671)	262 (350)	10 (13)
	June	0	1,202 (457)	438	426 (279)
	July	0	181 (151)	804 (381)	221 (164)
	August	0	342 (243)	525 (494)	268 (203)
	Overall	0	2,287 (861)	2,028 (715)	925 (383)
2018	May	1,692 (1,199)	960 (585)	191 (96)	997 (581)
	June	14	390 (249)	123 (124)	242 (142)
	July	0	345 (163)	61 (34)	51 (40)
	August	24 (20)	0	85 (66)	0
	Overall	1,730 (1,200)	1,695 (656)	459 (173)	1,290 (600)

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), Smallmouth Bass (SMB), Walleye (WAE), White Bass (WHB) and other species (Other).

Year	Month	BLC	SMB	WAE	WHB
		H	H	H	H
2017	May	0	34 (54)	57 (90)	10 (13)
	June	0	7 (11)	111	34 (29)
	July	0	0	71 (68)	0
	August	0	0	102 (80)	0
	Overall	0	42 (55)	341 (83)	43 (32)
2018	May	1,448 (1,025)	0	82 (71)	54 (57)
	June	14	23 (42)	0	13 (15)
	July	0	78 (99)	25 (24)	26 (31)
	August	0	0	24 (66)	0
	Overall	1,463 (1,025)	101 (108)	131 (100)	93 (67)

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

Black Crappie

Season	Year	Catch	Harvest	Catch Rate	Harvest Rate
Summer	2018	1,730 (1,200)	1,463 (1,025)	0.17 (0.13)	0.15 (0.11)

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)
Summer	2018	1,695 (656)	101 (108)	0.17 (0.15)	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)
Summer	2018	459 (173)	131 (100)	0.05 (0.02)	0.01 (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)
Summer	2018	1,290 (600)	93 (67)	0.13 (0.09)	0.01 (<0.01)

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), Smallmouth Bass (SMB), Walleye (WAE), White Bass (WHB).

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

Summer 2018				
Length Group (mm)	BLC (N=41)	SMB (N=4)	WAE (N=6)	WHB (N=2)
210	1			
220				
230	1			
240				
250				
260	8			
270	18			
280	12	1		
290				
300	1			1
310				
320				1
330				
340				
350		1		
360		1	1	
370		1	3	
380				
390				
400				
410			1	
420				
430				
440				
450				
460				
470				
480				
490				
500				
510				
520				
530				
540				
550				
560				
570				
580				
590				
600				
610				
620			1	

Figure 1a. Length frequency of angler-harvested Black Crappie measured by the creel clerk during creel surveys on Kampeska.

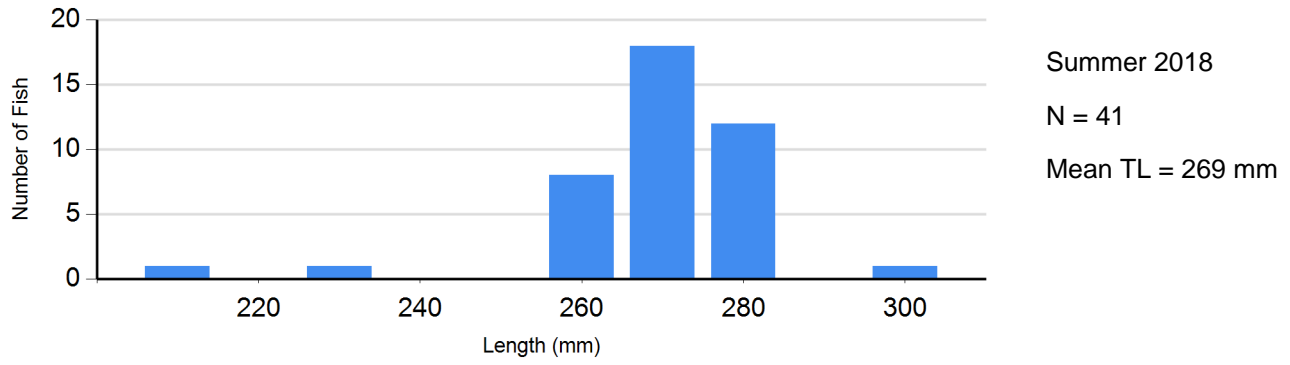


Figure 1b. Length frequency of angler-harvested Walleye measured by the creel clerk during creel surveys on Kameska.

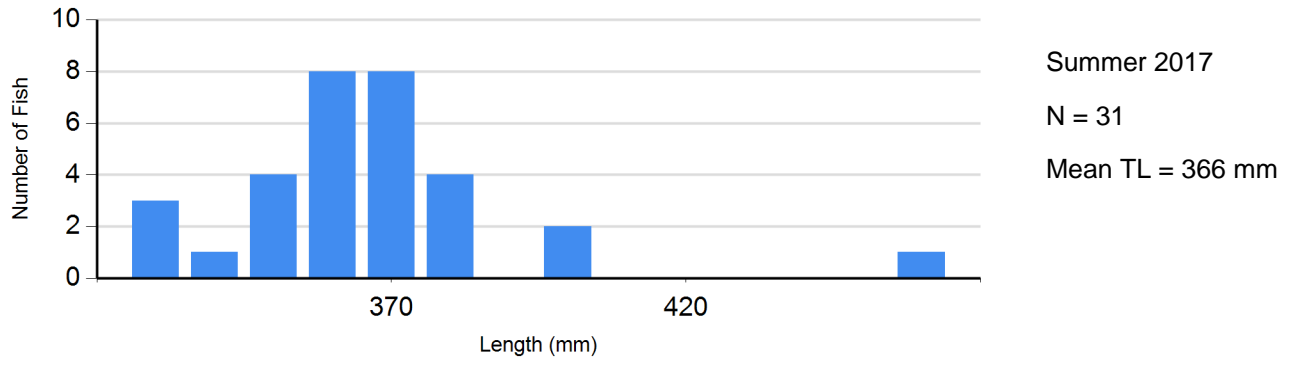


Figure 2. South Dakota county of residence for winter and summer resident anglers fishing Kampeska, South Dakota between May 2017 and August 2018.

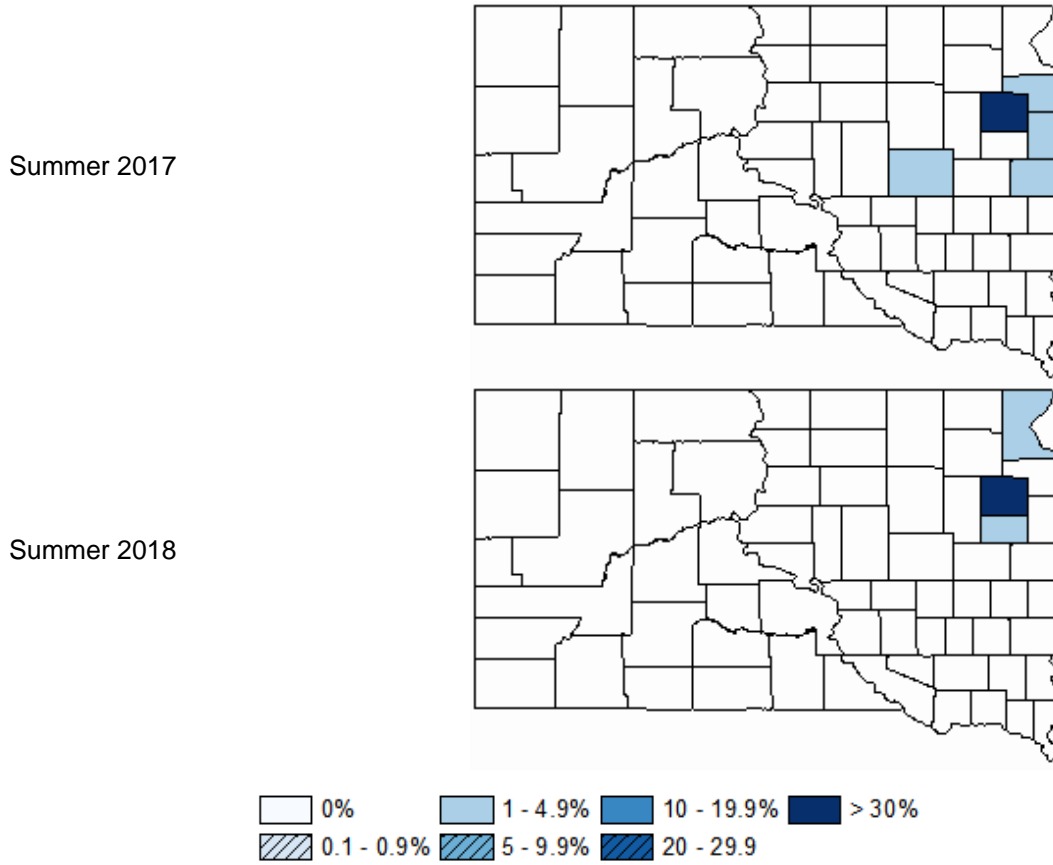


Table 10. Number of parties interviewed that harvested (or caught) a specified number of fish totaled over selected strata for a species.

Angler Harvest	Counts			
	BLC (n=106)	SMB (n=106)	WAE (n=106)	WHB (n=106)
0.00	106	104	92	102
0.33	0	1	1	0
0.50	0	0	1	3
1.00	0	0	4	1
1.25	0	0	1	0
2.00	0	0	6	0
2.33	0	0	1	0
3.00	0	1	0	0

Angler Harvest	Counts			
	BLC (n=99)	SMB (n=99)	WAE (n=99)	WHB (n=99)
0.00	89	97	93	96
0.33	0	0	1	1
0.50	0	0	2	1
0.67	0	1	0	0
1.00	2	0	3	1
1.33	1	0	0	0
2.00	0	1	0	0
3.00	1	0	0	0
4.00	3	0	0	0
4.33	1	0	0	0
6.00	1	0	0	0
8.50	1	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 2018 (n = 94)
Very Satisfied	3%
Moderately Satisfied	26%
Slightly Satisfied	18%
Neutral/No Opinion	26%
Slightly Dissatisfied	16%
Moderately Dissatisfied	9%
Very Dissatisfied	3%