

## Creel and Lake Information

### Lake Information

**Lake Name:** Oahe Upper  
**Lake Code:** ULO-Lake-933-000  
**Surface Area:** 50,474.14 Hectares  
**County:** Campbell  
**Start Date:** 5/4/2019  
**End Date:** 7/29/2019  
**Months Included:** May, June, July

Table 1. Percent of angling parties interviewed primarily targeting a species (or any species) by month and overall for Oahe Upper during 2018 - 2019. Any Species (ANY), Black Crappie (BLC), Channel Catfish (CCF), Northern Pike (NOP), Smallmouth Bass (SMB), Walleye (WAE).

Year	Month	# of Interviews	Percent of Anglers Targeting					
			ANY	BLC	CCF	NOP	SMB	WAE
2019	May	91	8.8	1.1	0.0	6.6	0.0	83.5
	June	170	9.4	0.0	0.6	0.0	1.2	88.8
	July	81	1.2	0.0	0.0	0.0	1.2	97.5
	Overall	342	7.3	0.3	0.3	1.8	0.9	89.5

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 Oahe Upper (80% confidence interval).

Year	Month	# Interviews	Angler Hours	Angler Days	Trip Length (h)	Party Size	% SD Residents	% Boat or Shack	% Weekend/Holidays
2019	May	91	24,661 (5,476)	4,671	5.28 (1.12)	2.28 (0.84)	70.33	85	51
	June	170	73,148 (6,024)	15,113	4.84 (0.33)	2.82 (0.23)	59.41	90	78
	July	81	34,780 (3,847)	7,661	4.54	2.55	77.78	100	43
	Overall	342	132,589 (9,004)	27,114	4.89 (0.39)	2.55 (0.29)	66.67	91	62

Table 3. Estimated fishing pressure (angler hours) by month during the summer season 2019 daylight period on Oahe Upper (80% confidence interval).

Lake	Month			Total
	May	June	July	
Oahe Upper (Campbell)	24,661 (5,476)	73,148 (6,024)	34,780 (3,847)	132,589 (9,004)

Table 4. Estimated number of fish harvested, by species and month, for the summer season 2019 daylight period on Oahe Upper (80% confidence interval).

Species	Month			Total
	May	June	July	
Black Crappie	0	0	35	35
Channel Catfish	148 (119)	8,973 (11,483)	354 (215)	9,475 (11,485)
Northern Pike	78 (45)	255 (44)	35 (34)	368 (72)
Smallmouth Bass	279 (161)	856 (336)	679 (383)	1,814 (534)
Walleye	8,283 (2,751)	33,715 (5,809)	12,362 (2,600)	54,361 (6,934)
Total	8,788 (3,075)	43,799 (17,672)	13,465 (3,232)	66,053 (19,025)

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

Year	Month	BLC	CCF	NOP	SMB	WAE
		C/h	C/h	C/h	C/h	C/h
2019	May	0.00	0.01 (<0.01)	<0.01 (<0.01)	0.03 (0.04)	0.74 (0.74)
	June	0.00	0.16 (0.16)	0.01 (<0.01)	0.05 (0.03)	1.17 (0.30)
	July	<0.01	0.10 (0.07)	0.01 (0.01)	0.07 (0.03)	0.96 (0.64)
	Overall	<0.01	0.11 (0.09)	0.01 (<0.01)	0.05 (0.02)	1.03 (0.29)

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

Year	Month	BLC	CCF	NOP	SMB	WAE
		H/h	H/h	H/h	H/h	H/h
2019	May	0.00	0.01 (<0.01)	<0.01 (<0.01)	0.01 (0.02)	0.34 (0.35)
	June	0.00	0.12 (0.16)	<0.01 (<0.01)	0.01 (<0.01)	0.46 (0.11)
	July	<0.01	0.01 (<0.01)	<0.01 (<0.01)	0.02 (<0.01)	0.36 (0.21)
	Overall	<0.01	0.07 (0.09)	<0.01 (<0.01)	0.01 (<0.01)	0.41 (0.11)

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

Year	Month	BLC	CCF	NOP	SMB	WAE
		C/h	C/h	C/h	C/h	C/h
2019	May	0.19	0.00	0.22	0.00	0.79 (0.78)
	June	0.00	0.00	0.00	0.62	1.17 (0.58)
	July	0.00	0.00	0.00	0.00	0.92 (0.59)
	Overall	0.19	0.00	0.22	0.33	0.99 (0.37)

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

Year	Month	BLC	CCF	NOP	SMB	WAE
		H/h	H/h	H/h	H/h	H/h
2019	May	0.00	0.00	0.20	0.00	0.36 (0.20)
	June	0.00	0.00	0.00	0.23	0.46 (0.15)
	July	0.00	0.00	0.00	0.00	0.36 (0.26)
	Overall	0.00	0.00	0.20	0.12	0.40 (0.11)



Table 7a. Estimated monthly and overall angler catch (C) for all anglers by species at Oahe Upper (80% confidence interval). Abbreviations for species are as follows: Black Crappie (BLC), Channel Catfish (CCF), Northern Pike (NOP), Smallmouth Bass (SMB), Walleye (WAE) and other species (Other).

Year	Month	BLC	CCF	NOP	SMB	WAE
		C	C	C	C	C
2019	May	0	367 (148)	109 (68)	723 (269)	18,215 (7,503)
	June	0	11,360 (11,598)	766 (415)	3,783 (1,434)	85,309 (20,230)
	July	35	3,466 (2,174)	457 (180)	2,493 (1,031)	33,251 (8,505)
	Overall	35	15,194 (11,801)	1,332 (457)	6,999 (1,786)	136,775 (23,193)

Table 7b. Estimated monthly and overall angler harvest (H) for all anglers by species at Oahe Upper (80% confidence interval). Abbreviations for species are as follows: Black Crappie (BLC), Channel Catfish (CCF), Northern Pike (NOP), Smallmouth Bass (SMB), Walleye (WAE) and other species (Other).

Year	Month	BLC	CCF	NOP	SMB	WAE
		H	H	H	H	H
2019	May	0	148 (119)	78 (45)	279 (161)	8,283 (2,751)
	June	0	8,973 (11,483)	255 (44)	856 (336)	33,715 (5,809)
	July	35	354 (215)	35 (34)	679 (383)	12,362 (2,600)
	Overall	35	9,475 (11,485)	368 (72)	1,814 (534)	54,361 (6,934)

Table 8. Estimated number and rate (number per hour) of Black Crappie (BLC), Channel Catfish (CCF), Northern Pike (NOP), Smallmouth Bass (SMB), Walleye (WAE) caught and harvested by anglers during the summer and winter fisheries on Oahe Upper, (80% confidence interval).

**Black Crappie**

Season	Year	Catch	Harvest	Catch Rate	Harvest Rate
Summer	2019	35	35	<0.01	<0.01

**Channel Catfish**

Season	Year	Catch	Harvest	Catch Rate	Harvest Rate
Summer	2019	15,194 (11,801)	9,475 (11,485)	0.11 (0.09)	0.07 (0.09)

**Northern Pike**

Season	Year	Catch	Harvest	Catch Rate	Harvest Rate
Summer	2019	1,332 (457)	368 (72)	0.01 (<0.01)	<0.01 (<0.01)

**Smallmouth Bass**

Season	Year	Catch	Harvest	Catch Rate	Harvest Rate
Summer	2019	6,999 (1,786)	1,814 (534)	0.05 (0.02)	0.01 (<0.01)

**Walleye**

Season	Year	Catch	Harvest	Catch Rate	Harvest Rate
Summer	2019	136,775 (23,193)	54,361 (6,934)	1.03 (0.29)	0.41 (0.11)

Table 9. The number of fish harvested with each species by length group (mm) for the winter and summer fisheries at Oahe Upper. Abbreviations for species are as follows: Black Crappie (BLC), Channel Catfish (CCF), Northern Pike (NOP), Smallmouth Bass (SMB), Walleye (WAE).

<b>Summer 2019</b>					
Length Group (mm)	BLC (N=0)	CCF (N=0)	NOP (N=0)	SMB (N=0)	WAE (N=1607)
30					1
40					1
50					
60					
70					
80					
90					
100					
110					
120					
130					
140					
150					
160					
170					
180					
190					
200					
210					
220					2
230					
240					2
250					1
260					
270					4
280					
290					5
300					10
310					39
320					43
330					77
340					125
350					136
360					175
370					188
380					161
390					128
400					104
410					67
420					67
430					67
440					54
450					36
460					32
470					21
480					17
490					9
500					8
510					4
520					4
530					3
540					5
550					4
560					1
570					
580					1
590					1
600					
610					
620					1
630					
640					
650					1
660					1
670					
680					
690					
700					

710  
720  
730  
740  
750  
760  
770  
780  
790  
800  
810

1

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Figure 1a. Length frequency of angler-harvested Walleye measured by the creel clerk during creel surveys on Oahe Upper.

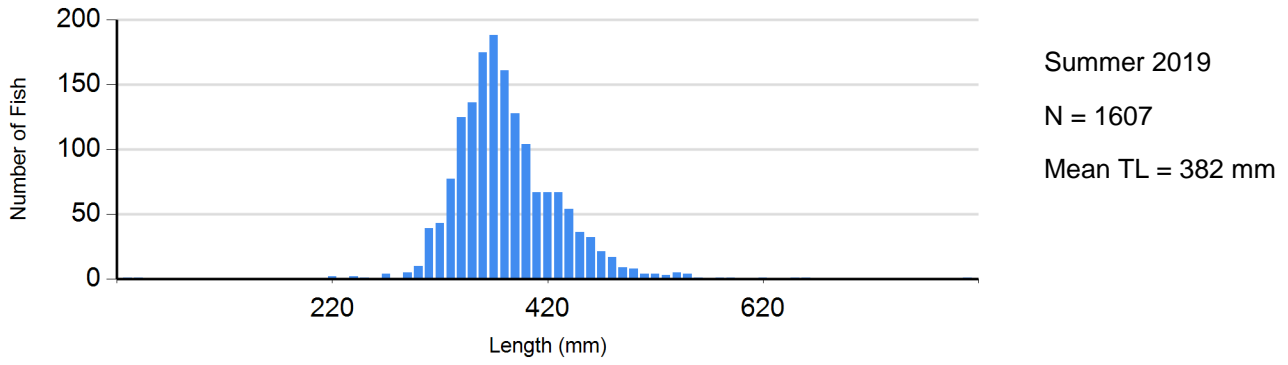


Figure 2. South Dakota county of residence for winter and summer resident anglers fishing Oahe Upper, South Dakota between May 2019 and July 2019.

Summer 2019

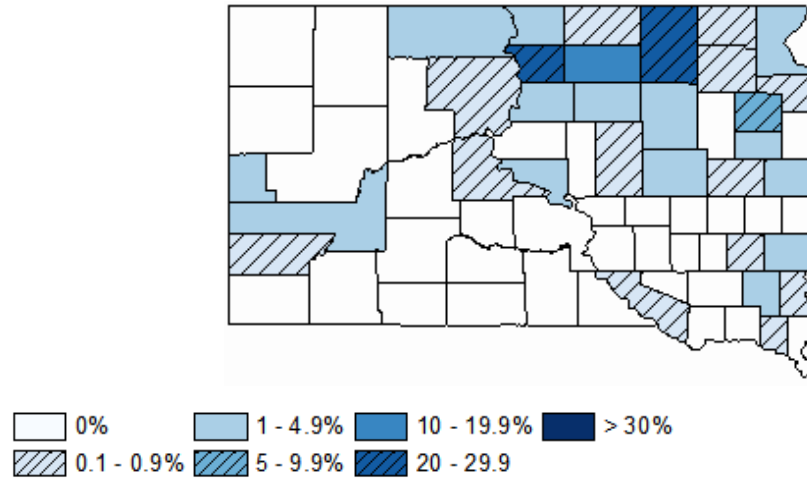


Table 10. Number of parties interviewed that harvested (or caught) a specified number of fish totaled over selected strata for a species.

Angler Harvest	Counts				
	BLC (n=338)	CCF (n=338)	NOP (n=338)	SMB (n=338)	WAE (n=338)
0.00	336	306	325	312	98
0.14	0	0	0	0	1
0.17	0	1	1	1	1
0.20	0	1	0	0	0
0.25	1	7	0	3	2
0.29	0	0	0	1	0
0.33	0	4	2	1	1
0.40	0	0	0	0	1
0.43	0	0	0	0	1
0.50	1	7	3	8	12
0.57	0	0	0	1	0
0.60	0	1	0	0	1
0.67	0	1	0	2	6
0.75	0	1	0	0	2
1.00	0	5	4	2	26
1.20	0	0	0	0	1
1.25	0	0	0	1	0
1.33	0	0	0	0	4
1.50	0	1	0	1	8
1.67	0	0	0	0	7
1.75	0	0	0	0	2
2.00	0	1	1	2	26
2.17	0	0	0	0	1
2.20	0	0	0	0	1
2.25	0	0	0	0	3
2.33	0	0	0	0	4
2.50	0	0	0	0	8
2.67	0	0	0	1	2
2.75	0	0	0	0	1
3.00	0	0	0	1	22
3.14	0	0	0	0	1
3.25	0	0	0	0	1
3.33	0	0	0	0	2
3.50	0	1	0	0	8
3.67	0	0	0	0	4
4.00	0	0	1	0	78
4.50	0	0	0	0	1
4.67	0	0	0	0	1
5.00	0	0	1	1	0
216.00	0	1	0	0	0



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

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

Response	Summer 2019 (n = 337)
Very Satisfied	30%
Moderately Satisfied	29%
Slightly Satisfied	22%
Neutral/No Opinion	12%
Slightly Dissatisfied	3%
Moderately Dissatisfied	1%
Very Dissatisfied	1%

Question: Why did you decide to come here to fish today?

Response	Summer 2019 (n = 192)
Camping nearby	23%
Close to home	22%
Easy/Good/Adequate access	4%
Family friendly access	1%
Family nearby	7%
Favorite place to fish	31%
Other	5%
Reports of fish were biting	8%

Question: Have you been interviewed on this waterbody this year prior to today?

Response	Summer 2019 (n = 337)
No	77%
Yes	23%