

Creel and Lake Information

Lake Information

Lake Name: Angostura Reservoir
Lake Code: ANR-Lake-4-000
Surface Area: 1,956.62 Hectares
County: Fall River
Start Date: 5/11/2019
End Date: 8/18/2019
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 Angostura Reservoir during 2018 - 2019. Any Species (ANY), Black Crappie (BLC), Common Carp (COC), Largemouth Bass (LMB), Smallmouth Bass (SMB), Walleye (WAE).

Year	Month	# of Interviews	Percent of Anglers Targeting					
			ANY	BLC	COC	LMB	SMB	WAE
2019	May	55	18.2	0.0	0.0	0.0	0.0	81.8
	June	78	11.5	0.0	0.0	0.0	3.8	84.6
	July	24	37.5	4.2	4.2	4.2	0.0	50.0
	August	7	28.6	0.0	0.0	0.0	0.0	71.4
	Overall	164	18.3	0.6	0.6	0.6	1.8	78.0

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 Angostura Reservoir (80% confidence interval).

Year	Month	# Interviews	Angler Hours	Angler Days	Trip Length (h)	Party Size	% SD Residents	% Boat or Shack	% Weekend/Holidays
2019	May	55	14,698 (5,720)	2,371	6.20 (0.95)	2.10 (0.35)	80.00	69	60
	June	78	26,502 (7,013)	4,454	5.95 (1.37)	2.05 (0.41)	82.05	88	54
	July	24	9,267 (3,075)	1,915	4.84 (1.06)	2.31 (0.79)	75.00	83	54
	August	7	12,504 (1,967)	2,773	4.51 (0.06)	2.27	71.43	86	43
	Overall	164	62,971 (9,758)	11,726	5.37 (0.49)	2.18 (0.24)	79.88	81	55

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

Lake	Month				Total
	May	June	July	August	
Angostura Reservoir (Fall River)	14,698 (5,720)	26,502 (7,013)	9,267 (3,075)	12,504 (1,967)	62,971 (9,758)

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

Species	Month			Total
	May	June	July	
Black Crappie	13 (19)	442 (352)	16 (25)	471 (354)
Common Carp	0	0	270 (198)	270 (198)
Largemouth Bass	0	113 (139)	50 (18)	163 (140)
Smallmouth Bass	210 (178)	1,258 (673)	33 (29)	1,500 (697)
Walleye	2,260 (954)	4,024 (1,367)	16 (29)	6,301 (1,667)
Total	2,483 (1,152)	5,837 (2,531)	384 (299)	8,705 (3,056)

Table 5a. Estimated monthly and overall angler catch rate per hour fished (C/h) for all anglers by species at Angostura Reservoir (80% confidence interval). Abbreviations for species are as follows: Black Crappie (BLC), Common Carp (COC), Largemouth Bass (LMB), Smallmouth Bass (SMB), Walleye (WAE) and other species (Other).

Year	Month	BLC	COC	LMB	SMB	WAE
		C/h	C/h	C/h	C/h	C/h
2019	May	<0.01	<0.01	0.01	0.06	0.42
		(<0.01)	(<0.01)	(<0.01)	(0.06)	(0.52)
	June	0.03	<0.01	0.01	0.18	0.40
		(0.02)	(<0.01)	(0.01)	(0.11)	(0.27)
	July	0.03	0.03	0.22	0.02	0.04
		(0.04)	(0.02)	(0.20)	(0.04)	(0.12)
August	0.00	0.01	0.00	0.11	0.03	
		(0.02)		(0.12)	(0.04)	
Overall	0.02	0.01	0.04	0.11	0.28	
	(<0.01)	(<0.01)	(0.03)	(0.05)	(0.15)	

Table 5b. Estimated monthly and overall angler harvest rate per hour fished (H/h) for all anglers by species at Angostura Reservoir (80% confidence interval). Abbreviations for species are as follows: Black Crappie (BLC), Common Carp (COC), Largemouth Bass (LMB), Smallmouth Bass (SMB), Walleye (WAE) and other species (Other).

Year	Month	BLC	COC	LMB	SMB	WAE
		H/h	H/h	H/h	H/h	H/h
2019	May	<0.01 (<0.01)	0.00	0.00	0.01 (0.01)	0.15 (0.17)
	June	0.02 (0.01)	0.00	<0.01 (<0.01)	0.05 (0.03)	0.15 (0.09)
	July	<0.01 (<0.01)	0.03 (0.02)	0.01 (<0.01)	<0.01 (<0.01)	<0.01 (0.01)
	August	0.00	0.00	0.00	0.00	0.00
	Overall	0.01 (<0.01)	<0.01 (<0.01)	<0.01 (<0.01)	0.02 (0.01)	0.10 (0.05)

Table 6a. Estimated monthly and overall angler catch rate per hour fished (C/h) only for anglers primarily targeting a species at Angostura Reservoir. (80% confidence interval). Abbreviations for species are as follows: Black Crappie (BLC), Common Carp (COC), Largemouth Bass (LMB), Smallmouth Bass (SMB), Walleye (WAE) and Other Species (Other).

Year	Month	BLC	COC	LMB	SMB	WAE
		C/h	C/h	C/h	C/h	C/h
2019	May	0.00	0.00	0.00	0.00	0.29 (0.06)
	June	0.00	0.00	0.00	0.80 (1.53)	0.41 (0.16)
	July	0.82	0.91	0.63	0.00	0.10 (0.46)
	August	0.00	0.00	0.00	0.00	0.02 (0.07)
	Overall	0.82	0.91	0.63	0.80 (1.53)	0.27 (0.09)

Table 6b. Estimated monthly and overall angler harvest rate per hour fished (H/h) only for anglers primarily targeting a species at Angostura Reservoir. (80% confidence interval). Abbreviations for species are as follows: Black Crappie (BLC), Common Carp (COC), Largemouth Bass (LMB), Smallmouth Bass (SMB), Walleye (WAE) and Other Species (Other).

Year	Month	BLC	COC	LMB	SMB	WAE
		H/h	H/h	H/h	H/h	H/h
2019	May	0.00	0.00	0.00	0.00	0.15 (0.03)
	June	0.00	0.00	0.00	0.00	0.15 (0.12)
	July	0.00	0.91	0.00	0.00	<0.01 (0.01)
	August	0.00	0.00	0.00	0.00	0.00
	Overall	0.00	0.91	0.00	0.00	0.11 (0.04)

Table 7a. Estimated monthly and overall angler catch (C) for all anglers by species at Angostura Reservoir (80% confidence interval). Abbreviations for species are as follows: Black Crappie (BLC), Common Carp (COC), Largemouth Bass (LMB), Smallmouth Bass (SMB), Walleye (WAE) and other species (Other).

Year	Month	BLC	COC	LMB	SMB	WAE
		C	C	C	C	C
2019	May	13 (19)	26 (37)	94 (138)	936 (581)	6,175 (3,070)
	June	756 (453)	33 (47)	324 (226)	4,647 (1,897)	10,557 (4,505)
	July	308 (263)	270 (198)	2,083 (1,692)	187 (124)	369 (346)
	August	0	151 (261)	0	1,332 (1,481)	394 (492)
	Overall	1,077 (524)	479 (333)	2,501 (1,712)	7,102 (2,479)	17,494 (5,485)

Table 7b. Estimated monthly and overall angler harvest (H) for all anglers by species at Angostura Reservoir (80% confidence interval). Abbreviations for species are as follows: Black Crappie (BLC), Common Carp (COC), Largemouth Bass (LMB), Smallmouth Bass (SMB), Walleye (WAE) and other species (Other).

Year	Month	BLC	COC	LMB	SMB	WAE
		H	H	H	H	H
2019	May	13 (19)	0	0	210 (178)	2,260 (954)
	June	442 (352)	0	113 (139)	1,258 (673)	4,024 (1,367)
	July	16 (25)	270 (198)	50 (18)	33 (29)	16 (29)
	August	0	0	0	0	0
	Overall	471 (354)	270 (198)	163 (140)	1,500 (697)	6,301 (1,667)

Table 8. Estimated number and rate (number per hour) of Black Crappie (BLC), Common Carp (COC), Largemouth Bass (LMB), Smallmouth Bass (SMB), Walleye (WAE) caught and harvested by anglers during the summer and winter fisheries on Angostura Reservoir, (80% confidence interval).

Black Crappie

Season	Year	Catch	Harvest	Catch Rate	Harvest Rate
Summer	2019	1,077 (524)	471 (354)	0.02 (<0.01)	0.01 (<0.01)

Common Carp

Season	Year	Catch	Harvest	Catch Rate	Harvest Rate
Summer	2019	479 (333)	270 (198)	0.01 (<0.01)	<0.01 (<0.01)

Largemouth Bass

Season	Year	Catch	Harvest	Catch Rate	Harvest Rate
Summer	2019	2,501 (1,712)	163 (140)	0.04 (0.03)	<0.01 (<0.01)

Smallmouth Bass

Season	Year	Catch	Harvest	Catch Rate	Harvest Rate
Summer	2019	7,102 (2,479)	1,500 (697)	0.11 (0.05)	0.02 (0.01)

Walleye

Season	Year	Catch	Harvest	Catch Rate	Harvest Rate
Summer	2019	17,494 (5,485)	6,301 (1,667)	0.28 (0.15)	0.10 (0.05)

Table 9. The number of fish harvested with each species by length group (mm) for the winter and summer fisheries at Angostura Reservoir. Abbreviations for species are as follows: Black Crappie (BLC), Common Carp (COC), Largemouth Bass (LMB), Smallmouth Bass (SMB), Walleye (WAE).

Summer 2019					
Length Group (mm)	BLC (N=1)	COC (N=0)	LMB (N=1)	SMB (N=3)	WAE (N=27)
320	1			1	
330					
340					
350				1	
360					
370					1
380				1	1
390					5
400					5
410					7
420					2
430					2
440			1		1
450					1
460					
470					
480					1
490					
500					
510					
520					
530					1

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

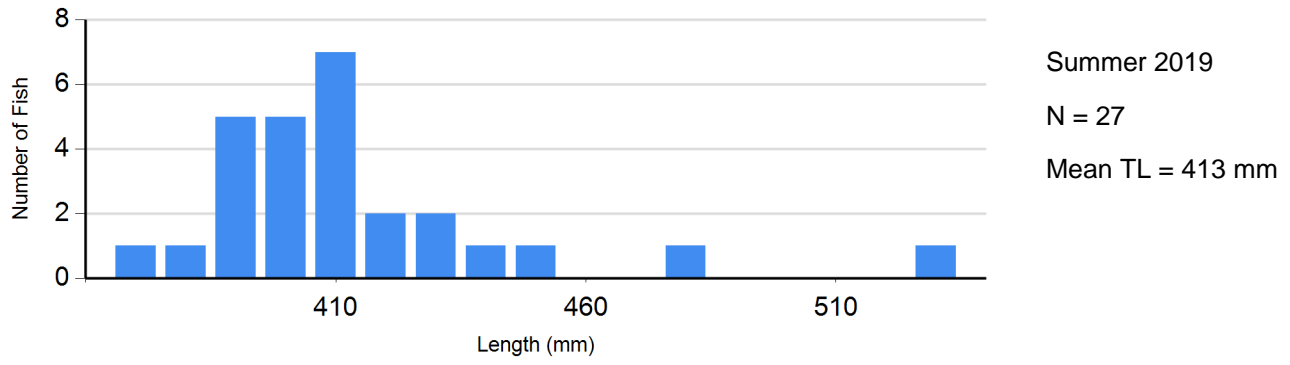


Figure 2. South Dakota county of residence for winter and summer resident anglers fishing Angostura Reservoir, South Dakota between May 2019 and August 2019.

Summer 2019

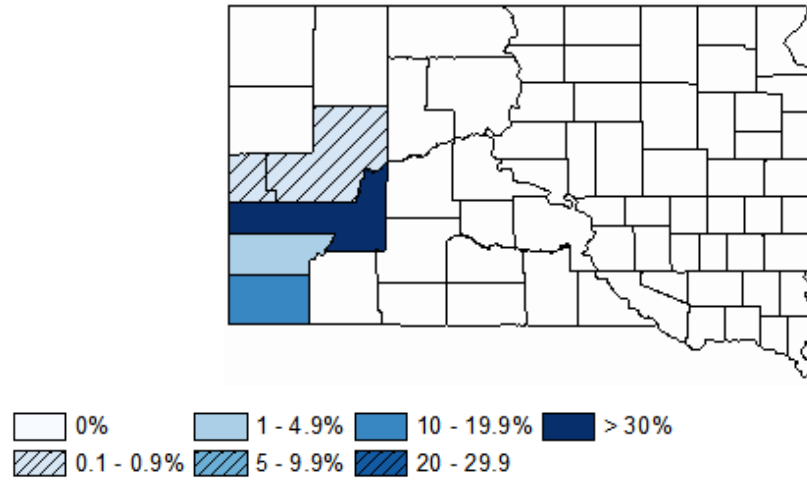


Table 10. Number of parties interviewed that harvested (or caught) a specified number of fish totaled over selected strata for a species.

Angler Harvest	Counts				
	BLC (n=164)	COC (n=164)	LMB (n=164)	SMB (n=164)	WAE (n=164)
0.00	157	163	161	147	98
0.20	1	0	0	0	0
0.25	0	0	0	0	1
0.33	0	0	0	1	5
0.50	3	0	2	1	11
0.67	0	0	0	0	2
1.00	0	0	1	6	10
1.33	0	0	0	2	2
1.50	0	0	0	1	7
1.67	0	0	0	0	2
1.75	0	0	0	1	0
2.00	1	0	0	4	9
2.50	0	0	0	0	2
3.00	1	0	0	0	6
3.33	0	0	0	1	0
3.67	0	0	0	0	1
4.00	1	0	0	0	8
5.00	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 Angostura Reservoir.

Question: What is the method of angling?

Response	Summer 2019 (n = 164)
Bait	4%
Spin	96%

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

Response	Summer 2019 (n = 164)
Very Satisfied	66%
Moderately Satisfied	27%
Slightly Satisfied	5%
Neutral/No Opinion	2%