

## Creel and Lake Information

### Lake Information

**Lake Name:** New Underwood Dam  
**Lake Code:** MCE-Lake-8-000  
**Surface Area:** 7.48 Hectares  
**County:** Pennington  
**Start Date:** 6/2/2016  
**End Date:** 8/1/2016  
**Months Included:** June, July, August

Table 1. Percent of angling parties interviewed primarily targeting a species (or any species) by month and overall for New Underwood Dam during 2015 - 2016. Any Species (ANY), Black Crappie (BLC), Bluegill (BLG), Channel Catfish (CCF), Largemouth Bass (LMB), Yellow Perch (YEP).

Year	Month	# of Interviews	Percent of Anglers Targeting					
			ANY	BLC	BLG	CCF	LMB	YEP
2016	June	37	94.6	0.0	0.0	0.0	0.0	0.0
	July	35	100.0	0.0	0.0	0.0	0.0	0.0
	August	1	100.0	0.0	0.0	0.0	0.0	0.0
	Overall	73	97.3	0.0	0.0	0.0	0.0	0.0

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 New Underwood Dam (80% confidence interval).

Year	Month	# Interviews	Angler Hours	Angler Days	Trip Length (h)	Party Size	% SD Residents	% Boat or Shack	% Weekend/Holidays
2016	June	37	614 (207)	204	3.01	1.91 (0.33)	97	22	46
	July	35	478 (148)	165	2.90 (0.19)	2.33 (0.41)	100	9	71
	August	1	0		0.00	1.00	100	0	0
	Overall	73	1,091 (254)	370	2.95 (0.10)	1.83 (0.20)	99	15	58

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

Lake	Month		Total
	May	June	
New Underwood Dam	614 (207)	478 (148)	1,091 (254)

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

Species	Month		Total
	June	July	
Black Crappie	33 (40)	0	33 (40)
Bluegill	57 (60)	137 (107)	195 (168)
Channel Catfish	9 (10)	3 (4)	12 (14)
Largemouth Bass	0	0	0
Yellow Perch	0	0	0
Total	99 (110)	141 (112)	240 (222)

Table 5a. Estimated monthly and overall angler catch rate per hour fished (C/h) for all anglers by species at New Underwood Dam (80% confidence interval). Abbreviations for species are as follows: Black Crappie (BLC), Bluegill (BLG), Channel Catfish (CCF), Largemouth Bass (LMB), Yellow Perch (YEP) and other species (Other).

Year	Month	BLC	BLG	CCF	LMB	YEP
		C/h	C/h	C/h	C/h	C/h
2016	June	0.10 (0.08)	0.68 (0.70)	0.02 (0.02)	0.12 (0.15)	0.01 (0.02)
	July	0.03 (0.04)	0.63 (0.70)	0.01 (<0.01)	0.29 (0.44)	0.02 (0.02)
	Overall	0.07 (0.05)	0.65 (0.50)	0.01 (0.01)	0.19 (0.19)	0.02 (0.01)

Table 5b. Estimated monthly and overall angler harvest rate per hour fished (H/h) for all anglers by species at New Underwood Dam (80% confidence interval). Abbreviations for species are as follows: Black Crappie (BLC), Bluegill (BLG), Channel Catfish (CCF), Largemouth Bass (LMB), Yellow Perch (YEP) and other species (Other).

Year	Month	BLC	BLG	CCF	LMB	YEP
		H/h	H/h	H/h	H/h	H/h
2016	June	0.05 (0.07)	0.09 (0.19)	0.01 (0.02)	0.00	0.00
	July	0.00	0.29 (0.38)	0.01 (<0.01)	0.00	0.00
	Overall	0.03 (0.04)	0.18 (0.20)	0.01 (0.01)	0.00	0.00

Table 6a. Estimated monthly and overall angler catch rate per hour fished (C/h) only for anglers primarily targeting a species at New Underwood Dam. (80% confidence interval). Abbreviations for species are as follows: Black Crappie (BLC), Bluegill (BLG), Channel Catfish (CCF), Largemouth Bass (LMB), Yellow Perch (YEP) and Other Species (Other).

Year	Month	BLC	BLG	CCF	LMB	YEP
		C/h	C/h	C/h	C/h	C/h
2016	June	0.00	0.00	0.00	0.00	0.00
	Overall	0.00	0.00	0.00	0.00	0.00

Table 6b. Estimated monthly and overall angler harvest rate per hour fished (H/h) only for anglers primarily targeting a species at New Underwood Dam. (80% confidence interval). Abbreviations for species are as follows: Black Crappie (BLC), Bluegill (BLG), Channel Catfish (CCF), Largemouth Bass (LMB), Yellow Perch (YEP) and Other Species (Other).

Year	Month	BLC	BLG	CCF	LMB	YEP
		H/h	H/h	H/h	H/h	H/h
2016	June	0.00	0.00	0.00	0.00	0.00
	Overall	0.00	0.00	0.00	0.00	0.00



Table 7a. Estimated monthly and overall angler catch (C) for all anglers by species at New Underwood Dam (80% confidence interval). Abbreviations for species are as follows: Black Crappie (BLC), Bluegill (BLG), Channel Catfish (CCF), Largemouth Bass (LMB), Yellow Perch (YEP) and other species (Other).

Year	Month	BLC	BLG	CCF	LMB	YEP
		C	C	C	C	C
2016	June	61 (50)	415 (264)	10 (10)	73 (51)	9 (10)
	July	13 (20)	299 (213)	3 (4)	138 (81)	10 (11)
	Overall	75 (54)	715 (339)	13 (11)	211 (96)	19 (15)

Table 7b. Estimated monthly and overall angler harvest (H) for all anglers by species at New Underwood Dam (80% confidence interval). Abbreviations for species are as follows: Black Crappie (BLC), Bluegill (BLG), Channel Catfish (CCF), Largemouth Bass (LMB), Yellow Perch (YEP) and other species (Other).

Year	Month	BLC	BLG	CCF	LMB	YEP
		H	H	H	H	H
2016	June	33 (40)	57 (60)	9 (10)	0	0
	July	0	137 (107)	3 (4)	0	0
	Overall	33 (40)	195 (123)	12 (11)	0	0

Table 8. Estimated number and rate (number per hour) of Black Crappie (BLC), Bluegill (BLG), Channel Catfish (CCF), Largemouth Bass (LMB), Yellow Perch (YEP) caught and harvested by anglers during the summer and winter fisheries on New Underwood Dam, (80% confidence interval).

**Black Crappie**

Season	Year	Catch	Harvest	Catch Rate	Harvest Rate
Summer	2016	75 (54)	33 (40)	0.07 (0.05)	0.03 (0.04)

**Bluegill**

Season	Year	Catch	Harvest	Catch Rate	Harvest Rate
Summer	2016	715 (339)	195 (123)	0.65 (0.50)	0.18 (0.20)

**Channel Catfish**

Season	Year	Catch	Harvest	Catch Rate	Harvest Rate
Summer	2016	13 (11)	12 (11)	0.01 (0.01)	0.01 (0.01)

**Largemouth Bass**

Season	Year	Catch	Harvest	Catch Rate	Harvest Rate
Summer	2016	211 (96)	0	0.19 (0.19)	0.00

**Yellow Perch**

Season	Year	Catch	Harvest	Catch Rate	Harvest Rate
Summer	2016	19 (15)	0	0.02 (0.01)	0.00

Table 9. The number of fish harvested with each species by length group (mm) for the winter and summer fisheries at New Underwood Dam. Abbreviations for species are as follows: Black Crappie (BLC), Bluegill (BLG), Channel Catfish (CCF), Largemouth Bass (LMB), Yellow Perch (YEP).

South Dakota county of residence for winter and summer resident anglers fishing New Underwood Dam, South Dakota between June 2016 and August 2016.

Summer 2016

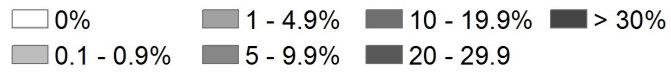
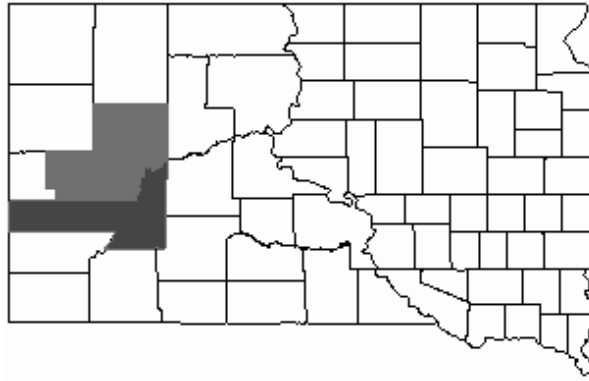


Table 11 The number (N) and percent of total interviews in supplemental-response categories by question asked during interviews at New Underwood Dam.

Question: Considering all aspects of your fishing here today, how dissatisfied or satisfied are you with today's fishing experience?

Response	Summer 2016 (n = 4)
No Opinion <input type="checkbox"/>	100%

Question: How important is this lake to your overall fishing opportunities and enjoyment in South Dakota?

Response	Summer 2016 (n = 72)
Essential <input type="checkbox"/>	51%
Moderately Important <input type="checkbox"/>	15%
No Opinion <input type="checkbox"/>	3%
Very Important <input type="checkbox"/>	31%

Question: How important is this particular lake to your overall opportunities and enjoyment of using your boat/canoe/kayak in South Dakota?

Response	Summer 2016 (n = 72)
Fair <input type="checkbox"/>	24%
Good <input type="checkbox"/>	24%
No Opinion <input type="checkbox"/>	7%
Poor <input type="checkbox"/>	13%
Very Good <input type="checkbox"/>	22%
Very Poor <input type="checkbox"/>	11%

Question: How would you rate today's fishing in terms of the numbers and sizes of fish caught?

Response	Summer 2016 (n = 4)
Neither Dissatisfied or Satisfied <input type="checkbox"/>	50%
Poor <input type="checkbox"/>	25%
Very Satisfied <input type="checkbox"/>	25%