

# Creel and Lake Information

## Lake Information

**Lake Name:** Dalton  
**Lake Code:** MCE-Lake-3-000  
**Surface Area:** 0.92 Hectares  
**County:** Lawrence  
**Start Date:** 1/5/2019  
**End Date:** 1/13/2019  
**Months Included:** January, May, June, July, August, September, December

Table 1. Percent of angling parties interviewed primarily targeting a species (or any species) by month and overall for Dalton during 2018 - 2019. Any Species (ANY), Rainbow Trout (RBT).

Year	Month	# of Interviews	Percent of Anglers Targeting	
			ANY	RBT
2018	May	18	66.7	33.3
	June	39	69.2	25.6
	July	17	70.6	29.4
	August	26	69.2	30.8
	September	9	44.4	55.6
	December	7	85.7	14.3
	Overall	116	68.1	30.2
2019	January	3	66.7	33.3
	Overall	3	66.7	33.3

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 Dalton (80% confidence interval).

Year	Month	# Interviews	Angler Hours	Angler Days	Trip Length (h)	Party Size	% SD Residents	% Boat or Shack	% Weekend/Holidays
2018	May	18	477 (345)	179	2.66	1.89	88.89	0	33
	June	39	1,028 (315)	522	1.97 (0.16)	3.12 (0.46)	87.18	8	51
	July	17	493 (212)	290	1.70	2.50 (0.75)	64.71	6	47
	August	26	470 (180)	290	1.62	2.29 (0.46)	76.92	8	42
	September	9	124 (101)	131	0.95	1.89	22.22	0	0
	Overall	109	2,592 (553)	1,401	1.85 (0.03)	2.37 (0.22)	76.15	6	41
2018-2019	December	7	104 (63)	56	1.87	1.71	28.57	0	57
	January	3	0	0	2.62	2.33	--	0	100
	Overall	10	104 (63)	51	2.05	1.86	20.00	0	70

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

Lake	Month
	Total
Dalton (Lawrence)	0

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

Species	Month
	Total
Rainbow Trout	0
Total	0

Table 5a. Estimated monthly and overall angler catch rate per hour fished (C/h) for all anglers by species at Dalton (80% confidence interval). Abbreviations for species are as follows: Rainbow Trout (RBT) and other species (Other).

Year	Month	RBT
		C/h
2018	May	0.18 (0.45)
	June	0.29 (0.29)
	July	0.51 (0.64)
	August	0.53 (0.74)
	September	0.21 (0.36)
	Overall	0.35 (0.23)
	2018- 2019	December
January		0.00
Overall		0.55 (1.19)

Table 5b. Estimated monthly and overall angler harvest rate per hour fished (H/h) for all anglers by species at Dalton (80% confidence interval). Abbreviations for species are as follows: Rainbow Trout (RBT) and other species (Other).

Year	Month	RBT
		H/h
2018	May	<0.01 (0.04)
	June	0.20 (0.24)
	July	0.10 (0.21)
	August	0.25 (0.42)
	September	0.00
	Overall	0.14 (0.12)
	2018- 2019	December
January		0.00
Overall		0.00

Table 6a. Estimated monthly and overall angler catch rate per hour fished (C/h) only for anglers primarily targeting a species at Dalton. (80% confidence interval). Abbreviations for species are as follows: Rainbow Trout (RBT) and Other Species (Other).

Year	Month	RBT
		C/h
2018	May	0.33 (0.27)
	June	0.63 (1.77)
	July	1.87 (2.53)
	August	0.69 (0.35)
	September	0.12 (0.70)
	Overall	0.78 (0.68)
	2018- 2019	December
	January	0.48
	Overall	0.40

Table 6b. Estimated monthly and overall angler harvest rate per hour fished (H/h) only for anglers primarily targeting a species at Dalton. (80% confidence interval). Abbreviations for species are as follows: Rainbow Trout (RBT) and Other Species (Other).

Year	Month	RBT
		H/h
2018	May	0.09 (0.27)
	June	0.52 (1.05)
	July	1.39 (1.90)
	August	0.22 (0.68)
	September	0.00
	Overall	0.48 (0.50)
	2018- 2019	December
January		0.00
Overall		0.00



Table 7a. Estimated monthly and overall angler catch (C) for all anglers by species at Dalton (80% confidence interval). Abbreviations for species are as follows: Rainbow Trout (RBT) and other species (Other).

Year	Month	RBT
		C
2018	May	87 (173)
	June	296 (202)
	July	251 (222)
	August	247 (190)
	September	26 (40)
	Overall	907 (397)
	2018- 2019	December
January		0
Overall		57 (37)

Table 7b. Estimated monthly and overall angler harvest (H) for all anglers by species at Dalton (80% confidence interval). Abbreviations for species are as follows: Rainbow Trout (RBT) and other species (Other).

Year	Month	RBT
		H
2018	May	2 (4)
	June	207 (144)
	July	49 (67)
	August	116 (105)
	September	0
	Overall	374 (191)
	2018- 2019	December
January		0
Overall		0

Table 8. Estimated number and rate (number per hour) of Rainbow Trout (RBT) caught and harvested by anglers during the summer and winter fisheries on Dalton, (80% confidence interval).

**Rainbow Trout**

Season	Year	Catch	Harvest	Catch Rate	Harvest Rate
Summer	2013	0	0	0.00	0.00
Summer	2014	0	0	0.00	0.00
Summer	2018	907 (397)	374 (191)	0.35 (0.23)	0.14 (0.12)
Winter	2018-2019	57 (37)	0	0.55 (1.19)	0.00

Table 9. The number of fish harvested with each species by length group (mm) for the winter and summer fisheries at Dalton. Abbreviations for species are as follows: Rainbow Trout (RBT).

<b>Summer 2018</b>	
Length Group (mm)	RBT (N=74)
210	1
220	
230	
240	
250	1
260	1
270	1
280	4
290	3
300	13
310	11
320	13
330	16
340	5
350	5

Figure 1a. Length frequency of angler-harvested Rainbow Trout measured by the creel clerk during creel surveys on Dalton.

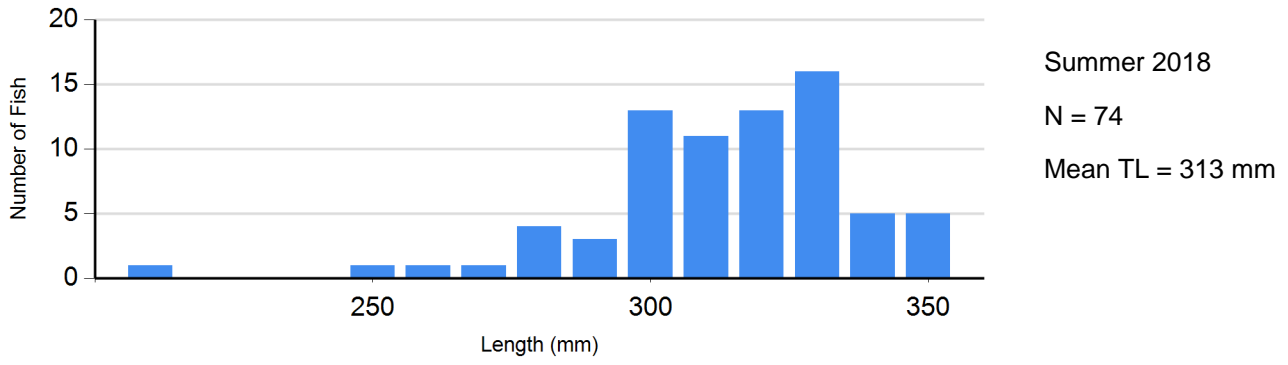


Figure 2. South Dakota county of residence for winter and summer resident anglers fishing Dalton, South Dakota between May 2018 and January 2019.

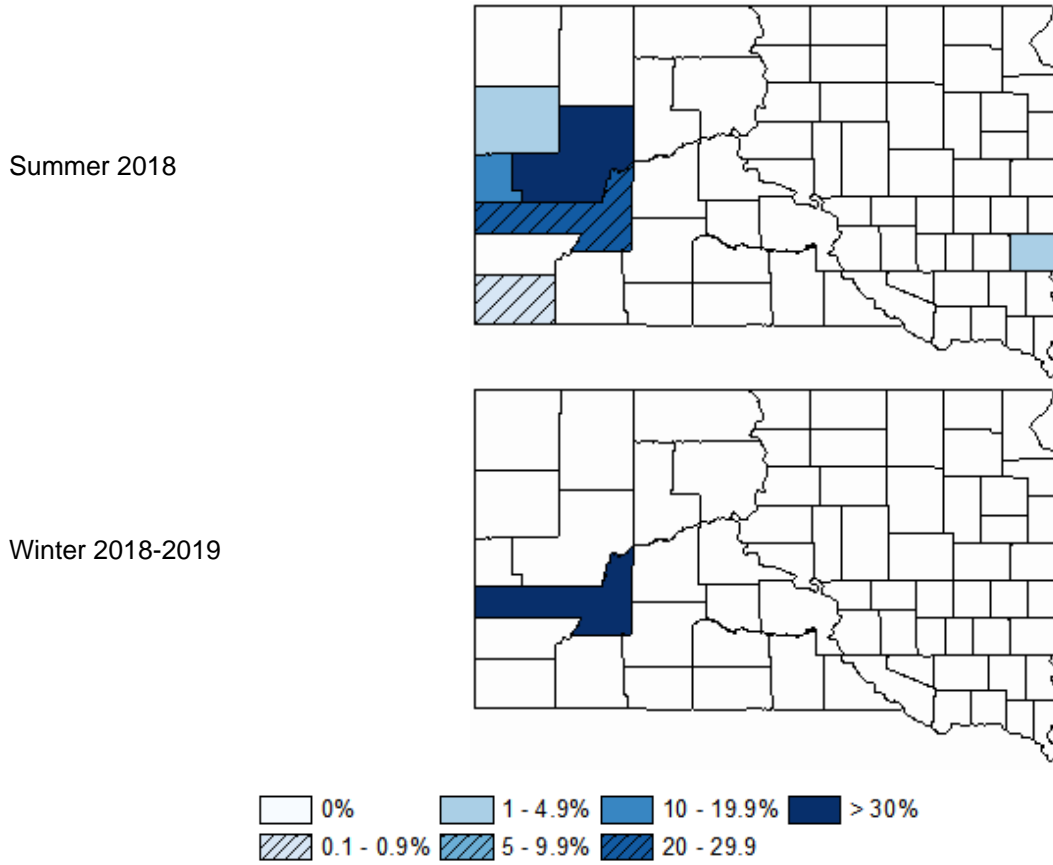


Table 10. Number of parties interviewed that harvested (or caught) a specified number of fish totaled over selected strata for a species.

<b>Summer 2018</b>	Counts
	RBT (n=109)
Angler Harvest	
0.00	91
0.25	2
0.33	1
0.67	2
1.00	4
1.50	1
1.67	1
2.33	1
2.50	1
5.00	5

<b>Winter 2018-2019</b>	Counts
Angler Harvest	RBT (n=10)
0.00	9
1.00	1



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

Question: What is the method of angling?

Response	Summer 2018 (n = 108)
Bait	66%
Fly	15%
Spin	19%

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

Response	Summer 2018 (n = 108)
Very Satisfied	47%
Moderately Satisfied	29%
Slightly Satisfied	12%
Neutral/No Opinion	7%
Slightly Dissatisfied	4%
Moderately Dissatisfied	1%

Question: How many trout did you release today that swallowed the hook?

Response	Summer 2018 (n = 108)
0	91%
1	8%
3	1%

Question: For the released fish in the previous question, how many fish did you release by cutting your line?

Response	Summer 2018 (n = 108)
0	96%
1	4%

Question: Are you camping at the lake?

Response	Summer 2018 (n = 108)
No	77%
Yes	23%