

Creel and Lake Information

Lake Information

Lake Name: Dalton
Lake Code: MCE-Lake-3-000
Surface Area: 0.92 Hectares
County: Lawrence
Start Date: 5/16/2018
End Date: 12/17/2018
Months Included: May, June, July, August, September

Table 1. Percent of angling parties interviewed primarily targeting a species (or any species) by month and overall for Dalton during 2017 - 2018. Any Species (ANY), Brown Trout (BNT), Rainbow Trout (RBT), Walleye (WAE).

Year	Month	# of Interviews	Percent of Anglers Targeting			
			ANY	BNT	RBT	WAE
2018	May	18	66.7	0.0	33.3	0.0
	June	39	69.2	2.6	25.6	2.6
	July	17	70.6	0.0	29.4	0.0
	August	26	69.2	0.0	30.8	0.0
	September	9	44.4	0.0	55.6	0.0
	Overall	109	67.0	0.9	31.2	0.9

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

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

Lake	Month					Total
	May	June	July	August	September	
Dalton (Lawrence)	477 (345)	1,028 (315)	493 (212)	470 (180)	124 (101)	2,592 (553)

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

Species	Month				Total
	May	June	July	August	
Brown Trout	0	0	13 (12)	0	13 (12)
Rainbow Trout	2 (4)	207 (144)	49 (67)	116 (105)	374 (191)
Walleye	0	0	0	0	0
Total	2 (4)	207 (144)	62 (78)	116 (105)	387 (202)

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: Brown Trout (BNT), Rainbow Trout (RBT), Walleye (WAE) and other species (Other).

Year	Month	BNT	RBT	WAE
		C/h	C/h	C/h
2018	May	<0.01 (<0.01)	0.18 (0.45)	0.00
	June	0.01 (0.01)	0.29 (0.29)	0.00
	July	0.03 (0.03)	0.51 (0.64)	0.00
	August	0.02 (0.02)	0.53 (0.74)	0.00
	September	0.00	0.21 (0.36)	0.00
	Overall	0.01 (<0.01)	0.35 (0.23)	0.00

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: Brown Trout (BNT), Rainbow Trout (RBT), Walleye (WAE) and other species (Other).

Year	Month	BNT	RBT	WAE
		H/h	H/h	H/h
2018	May	0.00	<0.01 (0.04)	0.00
	June	0.00	0.20 (0.24)	0.00
	July	0.03 (0.03)	0.10 (0.21)	0.00
	August	0.00	0.25 (0.42)	0.00
	September	0.00	0.00	0.00
	Overall	0.01 (<0.01)	0.14 (0.12)	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: Brown Trout (BNT), Rainbow Trout (RBT), Walleye (WAE) and Other Species (Other).

Year	Month	BNT	RBT	WAE
		C/h	C/h	C/h
2018	May	0.00	0.33 (0.27)	0.00
	June	0.00	0.63 (1.77)	0.00
	July	0.00	1.87 (2.53)	0.00
	August	0.00	0.69 (0.35)	0.00
	September	0.00	0.12 (0.70)	0.00
	Overall	0.00	0.78 (0.68)	0.00

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: Brown Trout (BNT), Rainbow Trout (RBT), Walleye (WAE) and Other Species (Other).

Year	Month	BNT	RBT	WAE
		H/h	H/h	H/h
2018	May	0.00	0.09 (0.27)	0.00
	June	0.00	0.52 (1.05)	0.00
	July	0.00	1.39 (1.90)	0.00
	August	0.00	0.22 (0.68)	0.00
	September	0.00	0.00	0.00
	Overall	0.00	0.48 (0.50)	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: Brown Trout (BNT), Rainbow Trout (RBT), Walleye (WAE) and other species (Other).

Year	Month	BNT	RBT	WAE
		C	C	C
2018	May	2 (4)	87 (173)	0
	June	9 (14)	296 (202)	0
	July	13 (12)	251 (222)	0
	August	10 (9)	247 (190)	0
	September	0	26 (40)	0
	Overall	34 (21)	907 (397)	0

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: Brown Trout (BNT), Rainbow Trout (RBT), Walleye (WAE) and other species (Other).

Year	Month	BNT	RBT	WAE
		H	H	H
2018	May	0	2 (4)	0
	June	0	207 (144)	0
	July	13 (12)	49 (67)	0
	August	0	116 (105)	0
	September	0	0	0
	Overall	13 (12)	374 (191)	0

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

Brown Trout

Season	Year	Catch	Harvest	Catch Rate	Harvest Rate
Summer	2014	0	0	0.00	0.00
Summer	2018	34 (21)	13 (12)	0.01 (<0.01)	0.01 (<0.01)

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)

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: Brown Trout (BNT), Rainbow Trout (RBT), Walleye (WAE).

Summer 2018			
Length Group (mm)	BNT (N=0)	RBT (N=74)	WAE (N=0)
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.

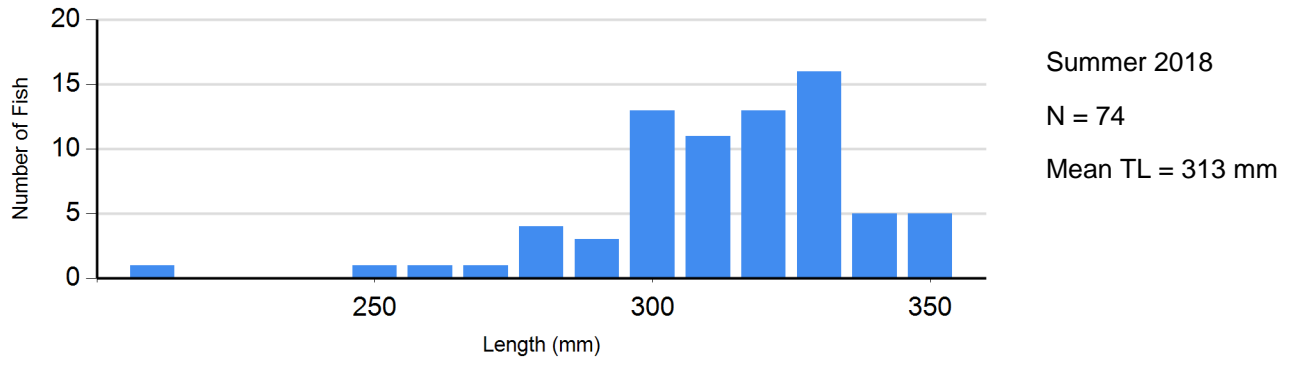


Figure 2. South Dakota county of residence for winter and summer resident anglers fishing Dalton, South Dakota between May 2018 and December 2018.

Summer 2018

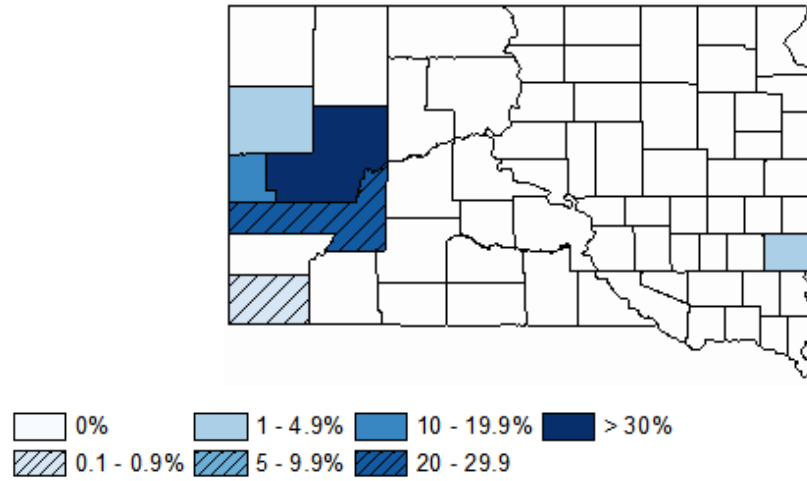


Table 10. Number of parties interviewed that harvested (or caught) a specified number of fish totaled over selected strata for a species.

Angler Harvest	Counts		
	BNT (n=109)	RBT (n=109)	WAE (n=109)
0.00	108	91	109
0.25	0	2	0
0.33	0	1	0
0.67	0	2	0
1.00	1	4	0
1.50	0	1	0
1.67	0	1	0
2.33	0	1	0
2.50	0	1	0
5.00	0	5	0

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%