

SOUTH DAKOTA BLACK HILLS COLD STREAM SURVEY
Stinkingwater Creek, Butte County
10120202000764
All Years

Table 1. Population and Biomass Estimates for Stinkingwater Creek

Site Number: 18	Date Sampled: 09/24/1993	Conductivity (umhos/cm): 1180
Site Midpoint (Latitude, Longitude): 44.66349931, -103.56897403	Site Length (m): 100	pH: 7.2
Survey Completed by: South Dakota Game, Fish and Parks	Mean Width (m): 3.1	Water Temperature (C): 8.0
Stream Classification: None	Number of Pass: 3	Voltage: 100

Species	Size Class	Total Number Captured	Est. # in site	Upper 95% CI	Lower 95% CI	# per Hectacre	Kg per Hectacre	# per Km	# per Acre	lb. per Acre	# per Mile	Mean Length (mm)	Mean Weight (grams)
Creek Chub	All	5	13	87	5	425	13	130	172	11.76	209	131.6	31.0
Fathead Minnow	All	1	1	2	1	33	0	10	13	0.06	16	64.0	2.0
Green Sunfish	All	6	6	7	6	196	3	60	79	2.36	97	93.3	13.5
Longnose Dace	All	22	22	23	22	719	2	220	291	1.36	354	57.1	2.1
Sand Shiner	All	16	31	87	16	1013	3	310	410	2.26	499	61.2	2.5
White Sucker	All	28	30	36	28	980	27	300	397	23.73	483	120.6	27.1

Stream sites are classified based on the estimates of adult trout over eight inches that exist within the site. Estimates are derived from 3-pass backpack electrofishing surveys at 100-meter sites within streams. While all fish in the site are collected and measured, only trout species are used for classifications. Sites are numbered in accordance for the distance (m) from the stream confluence of a higher order stream/river.

Based on number of trout in excess of eight inches	
Class BR1	Number of wild Brown Trout exceeds 150 per acre
Class BR2	Number of wild Brook Trout ranges from 25 to 150 per acre
Class BR3	Number of wild Brown Trout is less than 25 per acre
Class BK1	Number of wild Brook Trout exceeds 150 per acre
Class BK2	Number of wild Brook Trout ranges from 25 to 150 per acre
Class BK3	Number of wild Brook Trout is less than 25 per acre
Class RB1	Number of wild Rainbow Trout exceeds 25 per acre
Class RB2	Number of wild Rainbow Trout is less than 25 per acre

Table 2. Species composition and population estimates on Stinkingwater Creek, 1983-1993

Site 18

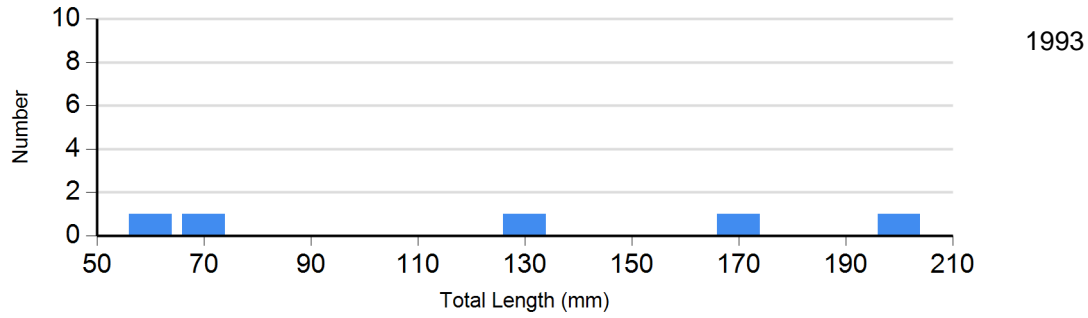
Species/Size	Date	Pop Est.	(95% C.I.)	Stream Classification
Creek Chub	Sep 24, 1993	13	5-87	
Fathead Minnow	Sep 24, 1993	1	1-2	
Green Sunfish	Sep 24, 1993	6	6-7	
Longnose Dace	Sep 24, 1993	22	22-23	
Sand Shiner	Sep 24, 1993	31	16-87	
White Sucker	Sep 24, 1993	30	28-36	

Length Frequency Distribution

Length frequency histogram of species sampled by year.

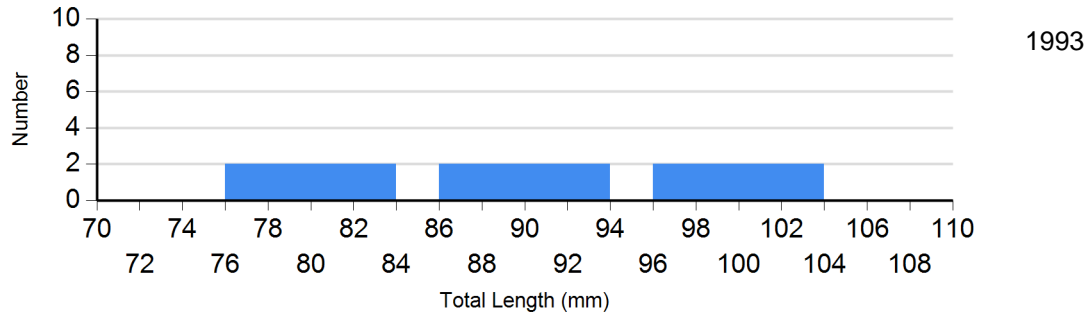
Site: 18

Species: Creek Chub



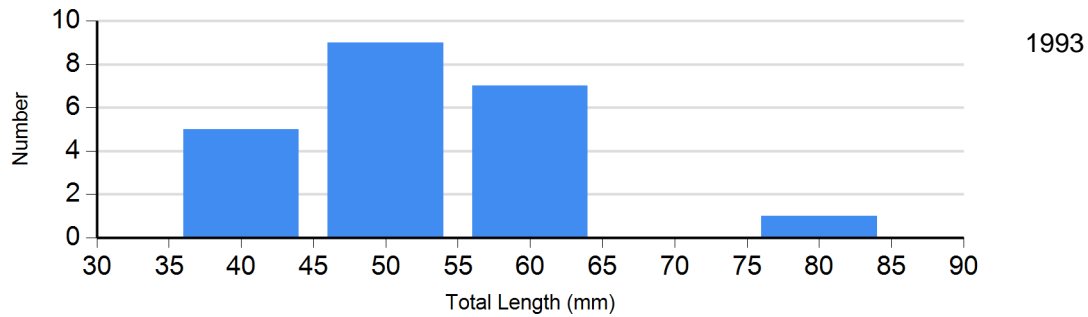
Site: 18

Species: Green Sunfish

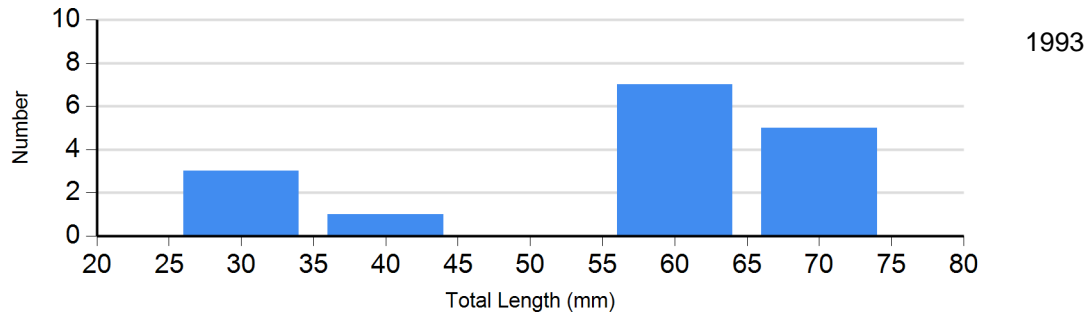


Site: 18

Species: Longnose Dace



Site: 18
Species: Sand Shiner



Site: 18
Species: White Sucker

