

SOUTH DAKOTA BLACK HILLS COLD STREAM SURVEY
French Creek - North Fork, Pennington County
10120109060013
All Years

Table 1. Population and Biomass Estimates for French Creek - North Fork

Site Number: 2	Date Sampled: 06/29/2004	Conductivity (umhos/cm): 330
Site Midpoint (Latitude, Longitude): 43.78194079, -103.72112523	Site Length (m): 100	pH:
Survey Completed by: South Dakota Game, Fish and Parks	Mean Width (m): 0.7	Water Temperature (C): 16.0
Stream Classification: None	Number of Pass: 3	Voltage: 300

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)
BST?	All	33	35	40	33	4873	7	350	1974	6.38	563	48.8	1.5
Creek Chub	All	72	72	73	72	10025	96	720	4060	85.78	1158	53.7	9.6
Fathead Minnow	All	3	3	3	3	418	2	30	169	2.05	48	65.0	5.5
White Sucker	All	9	9	10	9	1253	25	90	508	22.75	145	91.4	20.3

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 French Creek - North Fork, 1994-2004

Site 2

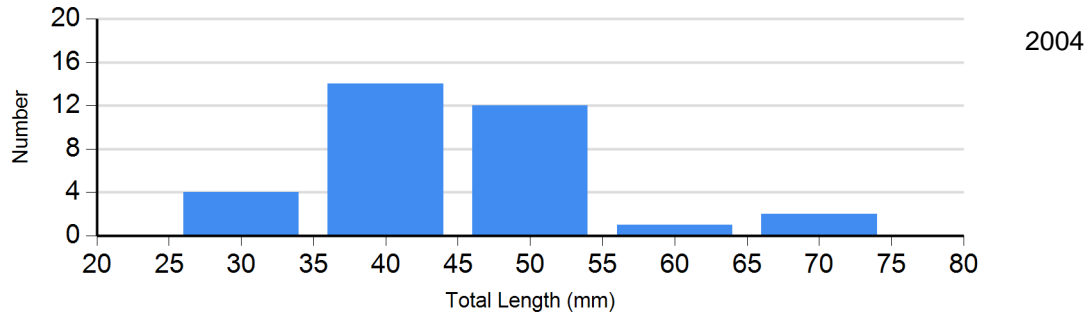
Species/Size	Date	Pop Est.	(95% C.I.)	Stream Classification
BST?	Jun 29, 2004	35	33-40	
Creek Chub	Jun 29, 2004	72	72-73	
Fathead Minnow	Jun 29, 2004	3	3-3	
White Sucker	Jun 29, 2004	9	9-10	

Length Frequency Distribution

Length frequency histogram of species sampled by year.

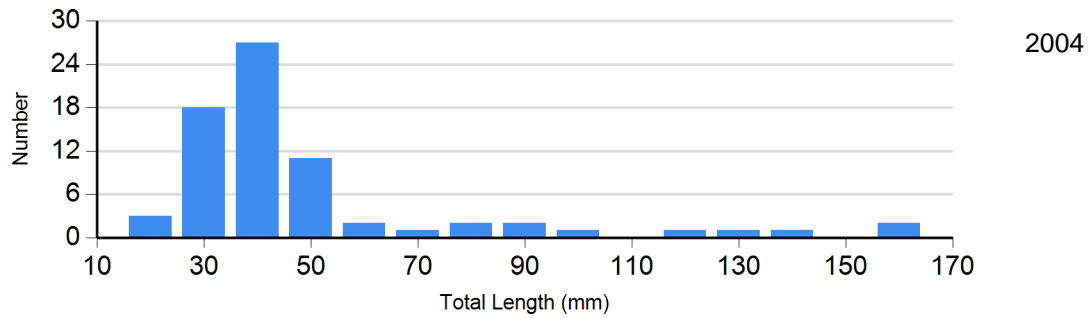
Site: 2

Species: BST?



Site: 2

Species: Creek Chub



Site: 2

Species: White Sucker

