

**SOUTH DAKOTA BLACK HILLS COLD STREAM SURVEY**  
**Galena Creek, Custer County**  
**21-0022-00**  
**1994**

Table 1. Population and Biomass Estimates for Galena Creek

<b>Site Number:</b> 50	<b>Date Sampled:</b> 06/13/1994	<b>Conductivity (umhos/cm):</b> 158
<b>Site Midpoint (Latitude, Longitude):</b> 43.75062628, -103.41680178	<b>Site Length (m):</b> 100	<b>pH:</b> 8.6
<b>Survey Completed by:</b> South Dakota Game, Fish and Parks	<b>Mean Width (m):</b> 2.0	<b>Water Temperature (C):</b> 13.0
<b>Stream Classification:</b> BK3	<b>Number of Pass:</b> 3	<b>Voltage:</b> 350

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)
Brook Trout	<200mm	119	131	144	119	6485	37	1310	2626	32.60	2108	62.4	5.6
Brook Trout	>=200mm	1	1	1	1	50	8	10	20	7.03	16	240.0	159.0
Brook Trout	All	120	132	145	120	6535	52	1320	2647	46.41	2124	63.8	8.0
Creek Chub	All	11	11	13	11	545	14	110	221	12.64	177	47.9	26.0
Longnose Dace	All	86	98	112	86	4851	29	980	1965	25.77	1577	52.0	6.0

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	
<b>Class BR1</b>	Number of wild Brown Trout exceeds 150 per acre
<b>Class BR2</b>	Number of wild Brook Trout ranges from 25 to 150 per acre
<b>Class BR3</b>	Number of wild Brown Trout is less than 25 per acre
<b>Class BK1</b>	Number of wild Brook Trout exceeds 150 per acre
<b>Class BK2</b>	Number of wild Brook Trout ranges from 25 to 150 per acre
<b>Class BK3</b>	Number of wild Brook Trout is less than 25 per acre
<b>Class RB1</b>	Number of wild Rainbow Trout exceeds 25 per acre
<b>Class RB2</b>	Number of wild Rainbow Trout is less than 25 per acre

Table 2. Species composition and population estimates on Galena Creek, 1984-1994

**Site 50**

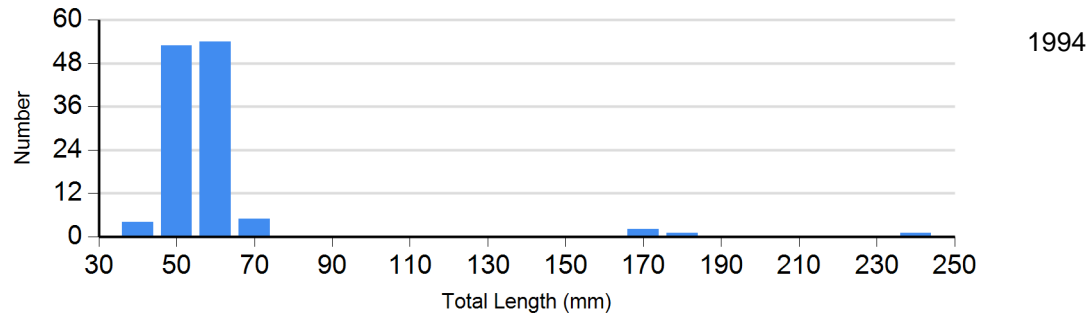
Species/Size	Date	Pop Est.	(95% C.I.)	Stream Classification
Brook Trout <200mm	Jun 13, 1994	131	119-144	
Brook Trout >=200mm	Jun 13, 1994	1	1-1	BK3
Creek Chub	Jun 13, 1994	11	11-13	
Longnose Dace	Jun 13, 1994	98	86-112	

## Length Frequency Distribution

Length frequency histogram of species sampled by year.

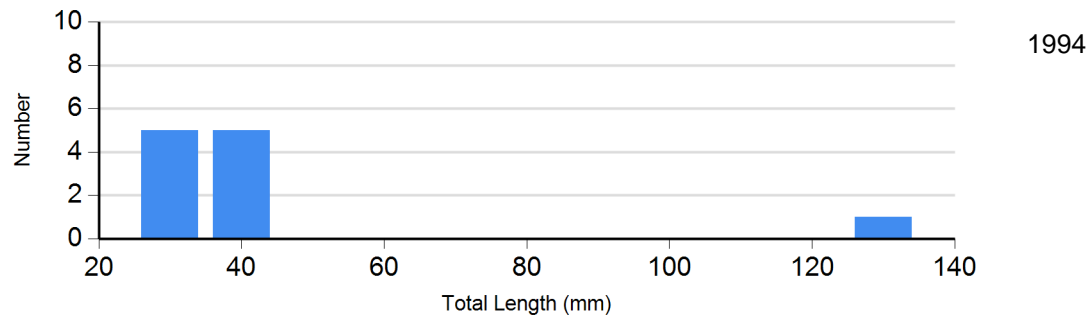
**Site:** 50

**Species:** Brook Trout



**Site:** 50

**Species:** Creek Chub



**Site:** 50

**Species:** Longnose Dace

