

**SOUTH DAKOTA BLACK HILLS COLD STREAM SURVEY**  
**Lost Camp Gulch, Lawrence County**  
**09-0112-00**  
**1992**

Table 1. Population and Biomass Estimates for Lost Camp Gulch

<b>Site Number:</b> 1	<b>Date Sampled:</b> 06/24/1992	<b>Conductivity (umhos/cm):</b>
<b>Site Midpoint (Latitude, Longitude):</b> 44.33224257, -103.87323005	<b>Site Length (m):</b> 99	<b>pH:</b>
<b>Survey Completed by:</b> Chadwick Ecological Services	<b>Mean Width (m):</b> 0.0	<b>Water Temperature (C):</b>
<b>Stream Classification:</b> None	<b>Number of Pass:</b> 2	<b>Voltage:</b>

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)
Mountain Sucker	All	129	140	153	129	0	0	1414	0	0.00	2275	95.6	9.0

<b>Site Number:</b> 1	<b>Date Sampled:</b> 10/27/1992	<b>Conductivity (umhos/cm):</b>
<b>Site Midpoint (Latitude, Longitude):</b> 44.33224257, -103.87323005	<b>Site Length (m):</b> 99	<b>pH:</b>
<b>Survey Completed by:</b> Chadwick Ecological Services	<b>Mean Width (m):</b> 0.0	<b>Water Temperature (C):</b>
<b>Stream Classification:</b> None	<b>Number of Pass:</b> 2	<b>Voltage:</b>

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Mountain Sucker	All	94	138	195	94	0	0	1394	0	0.00	2243	62.1	3.2

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 Lost Camp Gulch, 1982-1992

**Site 1**

Species/Size	Date	Pop Est.	(95% C.I.)	Stream Classification
Mountain Sucker	Jun 24, 1992	140	129-153	
	Oct 27, 1992	138	94-195	

## Length Frequency Distribution

Length frequency histogram of species sampled by year.

**Site: 1**

**Species: Mountain Sucker**

