

**SOUTH DAKOTA BLACK HILLS COLD STREAM SURVEY**  
**Corral Creek, Lawrence County**  
**09-0066-00**  
**2014**

Table 1. Population and Biomass Estimates for Corral Creek

<b>Site Number:</b> 56	<b>Date Sampled:</b> 07/23/2014	<b>Conductivity (umhos/cm):</b> 1361
<b>Site Midpoint (Latitude, Longitude):</b> 44.23781778, -103.64700335	<b>Site Length (m):</b> 100	<b>pH:</b> 7.5
<b>Survey Completed by:</b> South Dakota Game, Fish and Parks	<b>Mean Width (m):</b> 2.2	<b>Water Temperature (C):</b> 19.0
<b>Stream Classification:</b> BK2	<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	28	28	30	28	1262	64	280	511	57.35	451	156.3	50.9
Brook Trout	>=200mm	4	4	5	4	180	21	40	73	18.64	64	214.0	115.8
Brook Trout	All	32	32	34	32	1443	86	320	584	76.68	515	163.5	59.5
Longnose Dace	All	84	181	350	84	8160	115	1810	3305	103.04	2912	81.0	14.1
White Sucker	All	1	1	1	1	45	4	10	18	3.18	16	191.0	79.0

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 Corral Creek, 2004-2014

**Site 56**

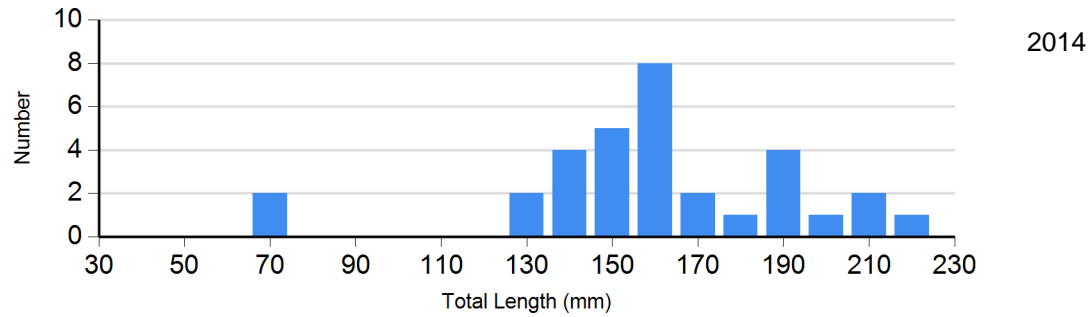
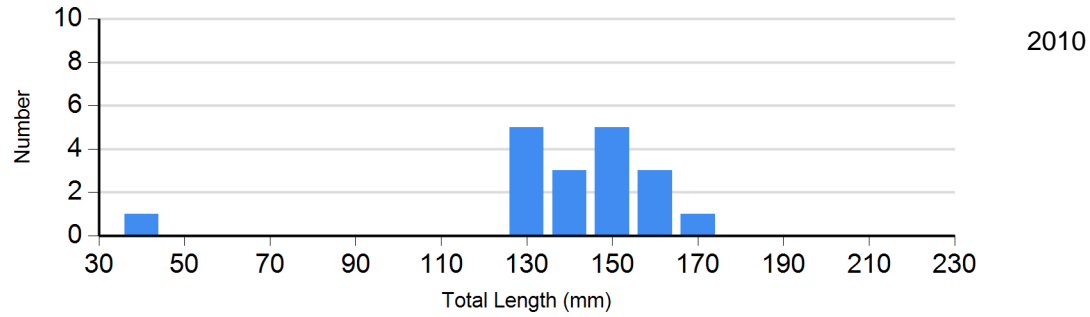
Species/Size	Date	Pop Est.	(95% C.I.)	Stream Classification
Brook Trout <200mm	Jul 23, 2014	28	28-30	
Brook Trout >=200mm	Jul 23, 2014	4	4-5	BK2
Longnose Dace	Jul 23, 2014	181	84-350	
White Sucker	Jul 23, 2014	1	1-1	

## Length Frequency Distribution

Length frequency histogram of species sampled by year.

**Site:** 56

**Species:** Brook Trout



**Site:** 56

**Species:** Longnose Dace

