

**SOUTH DAKOTA BLACK HILLS COLD STREAM SURVEY**  
**Rapid Creek, Pennington County**  
**02-0062-00**  
**2012**

Table 1. Population and Biomass Estimates for Rapid Creek

<b>Site Number:</b> 1363	<b>Date Sampled:</b> 07/23/2012	<b>Conductivity (umhos/cm):</b> 458
<b>Site Midpoint (Latitude, Longitude):</b> 44.07961205, -103.20426495	<b>Site Length (m):</b> 100	<b>pH:</b>
<b>Survey Completed by:</b> South Dakota Game, Fish and Parks	<b>Mean Width (m):</b> 11.5	<b>Water Temperature (C):</b> 20.5
<b>Stream Classification:</b> BR1	<b>Number of Pass:</b> 3	<b>Voltage:</b> 275

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)
Brown Trout	<200mm	67	70	76	67	609	38	700	247	33.61	1126	130.0	61.8
Brown Trout	>=200mm	59	64	72	59	557	117	640	226	104.12	1030	269.0	209.4
Brown Trout	All	221	229	237	221	1993	293	2290	807	261.85	3685	195.1	147.2
Creek Chub	All	1	1	1	1	9	0	10	4	0.18	16	135.0	23.0
White Sucker	All	19	63	310	19	548	190	630	222	169.43	1014	149.2	346.1

<b>Site Number:</b> 1383	<b>Date Sampled:</b> 07/25/2012	<b>Conductivity (umhos/cm):</b> 423
<b>Site Midpoint (Latitude, Longitude):</b> 44.08487597, -103.22694435	<b>Site Length (m):</b> 100	<b>pH:</b> 8.4
<b>Survey Completed by:</b> South Dakota Game, Fish and Parks	<b>Mean Width (m):</b> 11.2	<b>Water Temperature (C):</b> 19.9
<b>Stream Classification:</b> BR1	<b>Number of Pass:</b> 3	<b>Voltage:</b> 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)
Black Bullhead	All	1	1	1	1	9	1	10	4	0.82	16	192.0	103.0
Brown Trout	<200mm	71	128	221	71	1142	48	1280	462	42.79	2060	95.3	42.0
Brown Trout	>=200mm	41	44	50	41	393	91	440	159	80.92	708	268.7	230.9
Brown Trout	All	112	153	196	112	1365	208	1530	553	186.00	2462	158.8	152.6

Rock Bass All 2 2 2 2 18 1 20 7 1.23 32 145.0 77.5

**Site Number:** 1393  
**Site Midpoint (Latitude, Longitude):** 44.08551436, -103.23872222  
**Survey Completed by:** South Dakota Game, Fish and Parks  
**Stream Classification:** BR1

**Date Sampled:** 07/24/2012  
**Site Length (m):** 100  
**Mean Width (m):** 8.4  
**Number of Pass:** 3  
**Conductivity (umhos/cm):** 441  
**pH:**  
**Water Temperature (C):** 20.3  
**Voltage:**

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)
Bluegill	All	1	1	2	1	12	1	10	5	1.13	16	176.0	107.0
Brown Trout	<200mm	40	56	85	40	663	42	560	269	37.56	901	163.4	63.4
Brown Trout	>=200mm	61	76	97	61	900	216	760	364	193.19	1223	280.9	240.4
Brown Trout	All	138	166	192	140	1966	343	1660	796	306.69	2671	234.4	174.8
White Sucker	All	5	5	7	5	59	38	50	24	34.03	80	366.2	643.8

**Site Number:** 1420  
**Site Midpoint (Latitude, Longitude):** 44.07501237, -103.26040402  
**Survey Completed by:**  
**Stream Classification:** BR1

**Date Sampled:** 07/24/2012  
**Site Length (m):** 100  
**Mean Width (m):** 10.1  
**Number of Pass:** 4  
**Conductivity (umhos/cm):** 376  
**pH:**  
**Water Temperature (C):** 20.3  
**Voltage:**

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)
Brown Trout	<200mm	108	210	349	108	2089	93	2100	846	83.41	3379	113.4	44.7
Brown Trout	>=200mm	86	131	187	86	1303	247	1310	528	220.34	2108	263.0	189.4
Brown Trout	All	196	363	525	201	3610	480	3630	1462	428.64	5841	179.7	133.0
White Sucker	All	10	10	11	10	99	43	100	40	38.46	161	225.2	433.1

**Site Number:** 1434

Site Midpoint (Latitude, Longitude): 44.06752736, -103.27112322

Survey Completed by: South Dakota Game, Fish and Parks

Stream Classification: BR1

Date Sampled: 07/23/2012

Site Length (m): 100

Mean Width (m): 11.8

Number of Pass: 3

Conductivity (umhos/cm): 367

pH:

Water Temperature (C): 19.3

Voltage:

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)
Brown Trout	<200mm	90	122	160	90	1033	47	1220	418	42.13	1963	141.3	45.7
Brown Trout	>=200mm	119	136	153	119	1152	194	1360	466	173.36	2188	255.6	168.6
Brown Trout	All	220	276	316	236	2337	283	2760	947	252.96	4441	206.4	121.2
Rock Bass	All	1	1	5	1	8	0	10	3	0.17	16	105.0	22.0
White Sucker	All	57	65	77	57	550	353	650	223	315.30	1046	320.2	641.6

Site Number: 1444

Site Midpoint (Latitude, Longitude): 44.06406624, -103.27603653

Survey Completed by:

Stream Classification: BR1, RB2

Date Sampled: 08/06/2012

Site Length (m): 100

Mean Width (m): 10.3

Number of Pass: 3

Conductivity (umhos/cm): 365

Conductivity (umhos/cm):

pH: 8.2

Water Temperature (C): 17.8

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)
Brown Trout	<200mm	35	34	42	35	329	16	340	133	13.96	547	135.9	47.5
Brown Trout	>=200mm	73	84	98	73	813	187	840	329	166.82	1352	278.8	229.7
Brown Trout	All	195	243	280	206	2353	422	2430	953	377.12	3910	232.5	179.5
Rainbow Trout	>=200mm	2	2	2	2	19	5	20	8	4.77	32	304.0	276.0
Rainbow Trout	All	54	54	54	54	523	144	540	212	128.86	869	304.0	276.0
Rock Bass	All	1	1	1	1	10	0	10	4	0.23	16	105.0	27.0

Site Number: 1470

Site Midpoint (Latitude, Longitude): 44.05718748, -103.30174973

Survey Completed by: South Dakota Game, Fish and Parks

Stream Classification: BR1, RB1

Date Sampled: 07/10/2012

Site Length (m): 100

Mean Width (m): 8.5

Number of Pass: 3

Conductivity (umhos/cm): 375

pH:

Water Temperature (C): 16.1

Voltage: 325

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)
Brown Trout	<200mm	27	40	70	27	469	17	400	190	14.91	644	141.5	35.6
Brown Trout	>=200mm	56	58	63	56	680	118	580	275	105.32	933	255.4	173.4
Brown Trout	All	123	211	315	123	2474	324	2110	1002	289.18	3395	218.3	130.9
Rainbow Trout	>=200mm	11	12	17	11	141	41	120	57	36.86	193	299.9	293.4
Rainbow Trout	All	11	12	17	11	141	41	120	57	36.86	193	299.9	293.4
White Sucker	All	7	7	8	7	82	32	70	33	28.52	113	304.7	389.2

Site Number: 1475

Site Midpoint (Latitude, Longitude): 44.05381240, -103.30465286

Survey Completed by:

Stream Classification: BR2, RB1

Date Sampled: 07/06/2012

Site Length (m): 100

Mean Width (m): 13.7

Number of Pass: 3

Conductivity (umhos/cm): 353

pH:

Water Temperature (C): 17.5

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)
Brown Trout	<200mm	93	126	164	93	918	44	1260	372	39.20	2027	87.6	47.8
Brown Trout	>=200mm	48	50	54	48	364	64	500	148	56.75	805	252.2	174.5
Brown Trout	All	143	169	192	146	1231	161	1690	499	144.08	2719	143.6	131.1
Rainbow Trout	<200mm	1	1	5	1	7	0	10	3	0.43	16	179.0	66.0
Rainbow Trout	>=200mm	12	14	21	12	102	22	140	41	19.59	225	277.2	215.1
Rainbow Trout	All	13	18	35	13	131	27	180	53	23.84	290	269.6	203.6

**Site Number:** 1484  
**Site Midpoint (Latitude, Longitude):** 44.05129956, -103.31372445  
**Survey Completed by:**  
**Stream Classification:** BR1, RB1

**Date Sampled:** 07/12/2012      **Conductivity (umhos/cm):** 358  
**Site Length (m):** 100  
**Mean Width (m):** 9.4      **pH:**  
**Number of Pass:** 3      **Water Temperature (C):** 18.0  
**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)
Brown Trout	<200mm	74	102	139	74	1083	33	1020	439	29.49	1641	98.4	30.5
Brown Trout	>=200mm	46	47	50	46	499	75	470	202	67.12	756	249.3	150.6
Brown Trout	All	121	143	165	121	1518	151	1430	615	134.99	2301	156.3	99.6
Rainbow Trout	>=200mm	11	14	25	11	149	33	140	60	29.46	225	287.1	222.0
Rainbow Trout	All	11	14	25	11	149	33	140	60	29.46	225	287.1	222.0

**Site Number:** 1510  
**Site Midpoint (Latitude, Longitude):** 44.04659823, -103.33060046  
**Survey Completed by:** South Dakota Game, Fish and Parks  
**Stream Classification:** BR2

**Date Sampled:** 07/10/2012      **Conductivity (umhos/cm):**  
**Site Length (m):** 100  
**Mean Width (m):** 10.1      **pH:**  
**Number of Pass:** 3      **Water Temperature (C):**  
**Voltage:** 325

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)
Brown Trout	<200mm	67	76	89	67	749	23	760	303	20.60	1223	103.6	30.8
Brown Trout	>=200mm	33	33	35	33	325	55	330	132	49.06	531	259.3	168.9
Brown Trout	All	100	108	118	100	1065	105	1080	431	93.94	1738	155.0	98.8

**Site Number:** 1606  
**Site Midpoint (Latitude, Longitude):** 44.03917228, -103.38297329  
**Survey Completed by:** South Dakota Game, Fish and Parks  
**Stream Classification:** BR2

**Date Sampled:** 07/26/2012      **Conductivity (umhos/cm):** 370  
**Site Length (m):** 100  
**Mean Width (m):** 11.0      **pH:** 8.8  
**Number of Pass:** 3      **Water Temperature (C):** 14.5  
**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)
Brown Trout	<200mm	75	99	130	75	896	27	990	363	24.21	1593	88.7	30.3
Brown Trout	>=200mm	31	31	32	31	281	49	310	114	43.84	499	260.6	174.9
Brown Trout	All	106	119	133	106	1077	120	1190	436	107.55	1915	139.0	111.8

Site Number: 1619  
Site Midpoint (Latitude, Longitude): 44.04215072, -103.38916418  
Survey Completed by: South Dakota Game, Fish and Parks  
Stream Classification: BR1, RB2

Date Sampled: 07/26/2012  
Site Length (m): 100  
Mean Width (m): 11.2  
Number of Pass: 3  
Conductivity (umhos/cm): 4  
pH: 8.8  
Water Temperature (C): 16.8  
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)
Brown Trout	<200mm	157	247	334	160	2209	74	2470	894	66.42	3974	110.4	33.7
Brown Trout	>=200mm	52	77	118	52	689	117	770	279	104.26	1239	255.3	169.6
Brown Trout	All	209	331	434	228	2960	249	3310	1199	222.41	5326	146.4	84.2
Rainbow Trout	>=200mm	1	1	2	1	9	2	10	4	1.56	16	272.0	196.0
Rainbow Trout	All	1	1	2	1	9	2	10	4	1.56	16	272.0	196.0

Site Number: 1656  
Site Midpoint (Latitude, Longitude): 44.05452135, -103.40589571  
Survey Completed by: South Dakota Game, Fish and Parks  
Stream Classification: BR2

Date Sampled: 07/02/2012  
Site Length (m): 100  
Mean Width (m): 8.9  
Number of Pass: 3  
Conductivity (umhos/cm): 362  
pH:  
Water Temperature (C): 13.0  
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)
Brown Trout	<200mm	133	169	203	135	1899	70	1690	769	62.67	2719	117.5	37.0
Brown Trout	>=200mm	28	28	30	28	315	42	280	127	37.30	451	241.9	132.8

Brown Trout All 161 194 222 166 2180 131 1940 883 116.58 3121 139.1 59.9

**Site Number:** 1752  
**Site Midpoint (Latitude, Longitude):** 44.07974011, -103.42967056  
**Survey Completed by:**  
**Stream Classification:** BR2, RB2

**Date Sampled:** 07/12/2012  
**Site Length (m):** 100  
**Mean Width (m):** 11.6  
**Number of Pass:** 4  
**Conductivity (umhos/cm):** 369  
**pH:**  
**Water Temperature (C):** 9.1  
**Voltage:**

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)
Brown Trout	<200mm	78	89	103	78	765	15	890	310	13.52	1432	107.7	19.8
Brown Trout	>=200mm	30	30	31	30	258	69	300	104	61.35	483	286.1	266.5
Brown Trout	All	108	117	127	108	1005	98	1170	407	87.72	1883	157.3	97.7
Rainbow Trout	>=200mm	3	3	4	3	26	8	30	10	7.22	48	319.0	313.7
Rainbow Trout	All	3	3	4	3	26	8	30	10	7.22	48	319.0	313.7

**Site Number:** 1812  
**Site Midpoint (Latitude, Longitude):** 44.07679180, -103.46254687  
**Survey Completed by:** South Dakota Game, Fish and Parks  
**Stream Classification:** BR1, RB2

**Date Sampled:** 07/05/2012  
**Site Length (m):** 90  
**Mean Width (m):** 11.0  
**Number of Pass:** 3  
**Conductivity (umhos/cm):**  
**pH:** 8.2  
**Water Temperature (C):** 11.0  
**Voltage:**

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)
Brown Trout	<200mm	143	164	183	145	1487	32	1822	602	28.51	2932	116.9	21.5
Brown Trout	>=200mm	56	60	67	56	544	79	667	220	70.22	1073	240.9	144.6
Brown Trout	All	199	224	244	204	2031	118	2489	822	105.53	4005	151.8	58.2
Rainbow Trout	<200mm	5	5	5	5	45	2	56	18	1.35	89	119.4	33.3
Rainbow Trout	>=200mm	2	2	3	2	18	2	22	7	1.36	36	205.5	84.0
Rainbow Trout	All	7	7	7	7	63	3	78	26	2.84	125	144.0	50.2

**Site Number:** 1817  
**Site Midpoint (Latitude, Longitude):** 44.07529329, -103.46727265  
**Survey Completed by:** South Dakota Game, Fish and Parks  
**Stream Classification:** BR1, RB2

**Date Sampled:** 07/05/2012  
**Site Length (m):** 100  
**Mean Width (m):** 9.6  
**Number of Pass:** 3  
**Conductivity (umhos/cm):**  
**pH:**  
**Water Temperature (C):** 11.5  
**Voltage:**

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)
Brown Trout	<200mm	114	177	248	114	1845	49	1770	747	43.73	2848	127.2	26.5
Brown Trout	>=200mm	45	50	59	45	521	79	500	211	70.81	805	247.7	152.1
Brown Trout	All	159	218	270	166	2273	144	2180	921	128.35	3508	161.3	63.2
Rainbow Trout	<200mm	8	9	14	8	94	4	90	38	3.68	145	147.9	43.9
Rainbow Trout	>=200mm	1	1	1	1	10	3	10	4	2.30	16	297.0	247.0
Rainbow Trout	All	9	9	11	9	94	6	90	38	5.57	145	164.4	66.4

**Site Number:** 1833  
**Site Midpoint (Latitude, Longitude):** 44.07611720, -103.47551527  
**Survey Completed by:** South Dakota Game, Fish and Parks  
**Stream Classification:** BK3, BR1, RB2

**Date Sampled:** 07/11/2012  
**Site Length (m):** 100  
**Mean Width (m):** 9.9  
**Number of Pass:** 3  
**Conductivity (umhos/cm):** 363  
**pH:**  
**Water Temperature (C):** 8.5  
**Voltage:** 315

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	1	1	1	1	10	1	10	4	0.72	16	208.0	79.0
Brook Trout	All	1	1	1	1	10	1	10	4	0.72	16	208.0	79.0
Brown Trout	<200mm	88	87	99	88	882	17	870	357	15.08	1400	116.2	19.1
Brown Trout	>=200mm	47	47	48	47	477	114	470	193	102.23	756	281.1	240.2
Brown Trout	All	136	183	227	139	1856	181	1830	752	161.34	2944	173.6	97.4
Rainbow Trout	<200mm	6	6	7	6	61	1	60	25	1.31	97	121.8	24.2



Rainbow Trout	>=200mm	3	3	3	3	30	12	30	12	10.97	48	310.3	404.0
Rainbow Trout	All	9	9	10	9	91	14	90	37	12.29	145	184.7	150.8

**Site Number:** 1843

**Site Midpoint (Latitude, Longitude):** 44.07203156, -103.47488319

**Survey Completed by:** South Dakota Game, Fish and Parks

**Stream Classification:** BR2, RB2

**Date Sampled:** 07/11/2012

**Site Length (m):** 100

**Mean Width (m):** 9.4

**Number of Pass:** 3

**Conductivity (umhos/cm):** 362

**pH:**

**Water Temperature (C):** 8.5

**Voltage:** 315

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)
Brown Trout	<200mm	62	102	167	62	1084	23	1020	439	20.51	1641	109.6	21.2
Brown Trout	>=200mm	8	8	8	8	85	21	80	34	18.95	129	285.4	249.6
Brown Trout	All	70	96	131	70	1020	53	960	413	47.05	1545	129.7	51.7
Rainbow Trout	<200mm	9	12	25	9	128	2	120	52	1.89	193	110.6	16.6
Rainbow Trout	>=200mm	2	2	2	2	21	8	20	9	7.42	32	332.0	391.0
Rainbow Trout	All	11	12	17	11	128	11	120	52	9.64	193	150.8	84.6

**Site Number:** 1849

**Site Midpoint (Latitude, Longitude):** 44.07572600, -103.47938063

**Survey Completed by:** South Dakota Game, Fish and Parks

**Stream Classification:** BK3, BR2, RB1

**Date Sampled:** 07/03/2012

**Site Length (m):** 100

**Mean Width (m):** 11.0

**Number of Pass:** 3

**Conductivity (umhos/cm):** 335

**pH:**

**Water Temperature (C):** 8.9

**Voltage:**

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	1	1	2	1	9	0	10	4	0.15	16	107.0	18.0
Brook Trout	>=200mm	1	1	2	1	9	1	10	4	0.75	16	210.0	92.0
Brook Trout	All	2	2	4	2	18	1	20	7	0.89	32	158.5	55.0
Brown Trout	<200mm	82	314	1027	82	2859	59	3140	1158	52.42	5052	113.2	20.5

Brown Trout	>=200mm	22	22	24	22	200	66	220	81	58.99	354	312.6	329.8
Brown Trout	All	104	194	318	104	1767	160	1940	715	143.01	3121	155.4	90.7
Rainbow Trout	<200mm	9	12	25	9	109	1	120	44	0.85	193	83.8	8.8
Rainbow Trout	>=200mm	9	10	15	9	91	48	100	37	42.59	161	359.2	523.8
Rainbow Trout	All	18	26	49	18	237	86	260	96	77.22	418	221.5	365.3

**Site Number:** 1853  
**Site Midpoint (Latitude, Longitude):** 44.07655505, -103.48401117  
**Survey Completed by:** South Dakota Game, Fish and Parks  
**Stream Classification:** BK3, BR2, RB2

**Date Sampled:** 07/03/2012  
**Site Length (m):** 100  
**Mean Width (m):** 11.8  
**Number of Pass:** 3  
**Conductivity (umhos/cm):** 334  
**pH:**  
**Water Temperature (C):** 8.5  
**Voltage:**

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	16	25	54	16	212	6	250	86	5.54	402	134.7	29.3
Brook Trout	>=200mm	1	1	1	1	8	1	10	3	0.63	16	203.0	83.0
Brook Trout	All	17	24	44	17	204	7	240	82	5.89	386	138.7	32.4
Brown Trout	<200mm	29	57	135	29	483	17	570	196	15.59	917	129.6	36.1
Brown Trout	>=200mm	13	13	15	13	110	29	130	45	26.03	209	282.0	264.4
Brown Trout	All	42	61	95	42	517	57	610	210	50.89	981	176.8	110.2
Rainbow Trout	<200mm	19	22	30	19	187	6	220	76	5.49	354	129.7	32.9
Rainbow Trout	>=200mm	4	4	5	4	34	10	40	14	9.14	64	280.8	301.8
Rainbow Trout	All	23	26	34	23	221	18	260	89	16.11	418	156.0	81.8

**Site Number:** 1936  
**Site Midpoint (Latitude, Longitude):** 44.08412803, -103.56026979  
**Survey Completed by:**  
**Stream Classification:** BR2, RB2

**Date Sampled:** 06/27/2012  
**Site Length (m):** 100  
**Mean Width (m):** 8.6  
**Number of Pass:** 3  
**Conductivity (umhos/cm):** 403  
**pH:**  
**Water Temperature (C):** 19.1  
**Voltage:**

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)
Brown Trout	<200mm	29	29	31	29	337	15	290	137	12.95	467	154.8	43.0
Brown Trout	>=200mm	10	10	10	10	116	16	100	47	13.97	161	236.5	134.6
Brown Trout	All	40	40	42	40	465	32	400	188	28.14	644	175.7	67.8
Rainbow Trout	>=200mm	4	4	7	4	47	13	40	19	11.76	64	304.3	283.3
Rainbow Trout	All	4	4	7	4	47	13	40	19	11.76	64	304.3	283.3
Rock Bass	All	7	7	9	7	81	4	70	33	3.78	113	110.7	52.0
White Sucker	All	3	3	3	3	35	16	30	14	14.55	48	347.3	467.0

Site Number: 1952

Site Midpoint (Latitude, Longitude): 44.08822830, -103.57398811

Survey Completed by: South Dakota Game, Fish and Parks

Stream Classification: BR2, RB1

Date Sampled: 06/27/2012

Site Length (m): 100

Mean Width (m): 8.0

Number of Pass: 3

Conductivity (umhos/cm): 403

pH: 8.9

Water Temperature (C): 16.0

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)
Brown Trout	<200mm	40	42	47	40	525	21	420	213	18.79	676	137.4	40.1
Brown Trout	>=200mm	18	18	20	18	225	25	180	91	22.00	290	223.8	109.5
Brown Trout	All	58	62	69	58	775	50	620	314	44.37	998	164.2	64.1
Largemouth Bass	All	1	1	1	1	13	0	10	5	0.39	16	145.0	35.0
Rainbow Trout	<200mm	4	4	7	4	50	3	40	20	2.88	64	183.8	64.5
Rainbow Trout	>=200mm	6	6	6	6	75	14	60	30	12.52	97	269.3	187.0
Rainbow Trout	All	10	10	11	10	125	17	100	51	15.40	161	235.1	138.0
Rock Bass	All	1	1	1	1	13	1	10	5	0.57	16	135.0	51.0

Site Number: 1960

Site Midpoint (Latitude, Longitude): 44.08480262, -103.57802108

Survey Completed by: South Dakota Game, Fish and Parks

Stream Classification: BK0, BR2, RB1

Date Sampled: 06/28/2012

Site Length (m): 100

Mean Width (m): 8.4

Number of Pass: 3

Conductivity (umhos/cm): 295

pH:

Water Temperature (C): 21.4

Voltage: 325

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	2	2	2	2	24	1	20	10	0.72	32	150.0	33.5
Brook Trout	All	2	2	2	2	24	1	20	10	0.72	32	150.0	33.5
Brown Trout	<200mm	32	34	39	32	407	22	340	165	19.44	547	171.2	53.6
Brown Trout	>=200mm	22	27	39	22	323	35	270	131	31.37	434	225.0	108.8
Brown Trout	All	57	64	75	57	765	58	640	310	51.98	1030	193.1	76.1
Rainbow Trout	<200mm	1	1	1	1	12	0	10	5	0.21	16	115.0	20.0
Rainbow Trout	>=200mm	29	29	31	29	347	90	290	140	80.12	467	288.7	258.8
Rainbow Trout	All	30	30	32	30	359	90	300	145	80.33	483	282.9	250.8
White Sucker	All	4	4	4	4	48	25	40	19	22.57	64	361.0	528.5

Site Number: 1965

Site Midpoint (Latitude, Longitude): 44.08228452, -103.58120757

Survey Completed by: South Dakota Game, Fish and Parks

Stream Classification: BK0, BR1, RB1

Date Sampled: 06/28/2012

Site Length (m): 100

Mean Width (m): 9.1

Number of Pass: 3

Conductivity (umhos/cm): 403

pH:

Water Temperature (C): 23.8

Voltage:

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	2	2	3	2	22	1	20	9	1.01	32	178.5	51.5
Brook Trout	All	2	2	3	2	22	1	20	9	1.01	32	178.5	51.5
Brown Trout	<200mm	31	35	44	31	383	16	350	155	14.73	563	157.3	43.1
Brown Trout	>=200mm	35	37	42	35	405	49	370	164	43.41	595	231.2	120.1

Brown Trout	All	66	73	83	66	799	67	730	324	59.85	1175	196.5	83.9
Rainbow Trout	<200mm	1	1	1	1	11	1	10	4	0.58	16	180.0	59.0
Rainbow Trout	>=200mm	10	11	16	10	120	28	110	49	24.81	177	282.0	230.8
Rainbow Trout	All	11	11	13	11	120	26	110	49	23.13	177	272.7	215.2
White Sucker	All	2	2	6	2	22	7	20	9	6.67	32	303.0	341.5

**Site Number:** 2100  
**Site Midpoint (Latitude, Longitude):** 44.10587489, -103.65265070  
**Survey Completed by:** South Dakota Game, Fish and Parks  
**Stream Classification:** BK0, BR2

**Date Sampled:** 07/13/2012  
**Site Length (m):** 100  
**Mean Width (m):** 5.5  
**Number of Pass:** 3  
**Conductivity (umhos/cm):** 402  
**pH:**  
**Water Temperature (C):** 15.0  
**Voltage:** 275

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	1	1	1	1	18	0	10	7	0.39	16	136.0	24.0
Brook Trout	All	1	1	1	1	18	0	10	7	0.39	16	136.0	24.0
Brown Trout	<200mm	65	68	74	65	1238	46	680	502	41.09	1094	101.8	37.2
Brown Trout	>=200mm	13	13	13	13	237	29	130	96	25.53	209	228.7	120.8
Brown Trout	All	78	81	86	78	1475	90	810	597	80.76	1303	123.0	61.3
Mountain Sucker	All	3	2	4	3	36	0	20	15	0.34	32	97.0	10.3

**Site Number:** 2133  
**Site Midpoint (Latitude, Longitude):** 44.11041555, -103.67253220  
**Survey Completed by:**  
**Stream Classification:** BK3, BR2

**Date Sampled:** 08/21/2012  
**Site Length (m):** 100  
**Mean Width (m):** 5.0  
**Number of Pass:** 3  
**Conductivity (umhos/cm):** 378  
**pH:** 8.6  
**Water Temperature (C):** 11.9  
**Voltage:** 275

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	2	2	2	2	40	1	20	16	0.45	32	112.0	12.5

Brook Trout	>=200mm	1	1	1	1	20	1	10	8	1.22	16	204.0	68.0
Brook Trout	All	3	3	3	3	60	2	30	24	1.67	48	142.7	31.0
Brown Trout	<200mm	51	60	74	51	1204	48	600	488	43.01	965	135.1	40.0
Brown Trout	>=200mm	17	17	19	17	341	36	170	138	31.99	274	222.9	105.0
Brown Trout	All	68	78	92	68	1566	95	780	634	84.53	1255	157.1	60.5
Mountain Sucker	All	2	2	3	2	40	3	20	16	2.38	32	179.0	66.5

**Site Number:** 2162  
**Site Midpoint (Latitude, Longitude):** 44.11518381, -103.69460172  
**Survey Completed by:** South Dakota Game, Fish and Parks  
**Stream Classification:** BK0, BR2, RB0

**Date Sampled:** 08/21/2012  
**Site Length (m):** 100  
**Mean Width (m):** 5.6  
**Number of Pass:** 3  
**Conductivity (umhos/cm):** 387  
**pH:** 8.4  
**Water Temperature (C):** 14.2  
**Voltage:**

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	6	6	6	6	107	5	60	43	4.36	97	174.8	45.5
Brook Trout	All	6	6	6	6	107	5	60	43	4.36	97	174.8	45.5
Brown Trout	<200mm	51	57	67	51	1020	46	570	413	41.29	917	134.1	45.4
Brown Trout	>=200mm	19	19	19	19	340	43	190	138	37.98	306	234.8	125.2
Brown Trout	All	70	73	79	70	1306	95	730	529	85.02	1175	161.5	72.9
Mountain Sucker	All	8	8	9	8	143	6	80	58	5.48	129	147.6	42.9
Rainbow Trout	<200mm	1	1	1	1	18	1	10	7	0.97	16	180.0	61.0
Rainbow Trout	All	1	1	1	1	18	1	10	7	0.97	16	180.0	61.0
White Sucker	All	2	2	3	2	36	7	20	14	6.58	32	284.5	206.0

**Site Number:** 2189  
**Site Midpoint (Latitude, Longitude):** 44.12197117, -103.70819325  
**Survey Completed by:** South Dakota Game, Fish and Parks

**Date Sampled:** 07/27/2012  
**Site Length (m):** 100  
**Mean Width (m):** 4.9  
**Conductivity (umhos/cm):** 409  
**pH:** 8.6

Stream Classification: BK0, BR2, RB2

Number of Pass: 3

Water Temperature (C): 16.7

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)
Brook Trout	<200mm	3	3	4	3	61	2	30	25	1.82	48	150.7	33.3
Brook Trout	All	3	3	4	3	61	2	30	25	1.82	48	150.7	33.3
Brown Trout	<200mm	25	26	30	25	530	23	260	215	20.23	418	135.8	42.8
Brown Trout	>=200mm	12	12	13	12	244	27	120	99	23.94	193	227.8	109.7
Brown Trout	All	37	38	41	37	774	53	380	314	47.47	611	165.6	68.7
Mountain Sucker	All	3	5	24	3	102	6	50	41	5.12	80	166.0	56.3
Rainbow Trout	>=200mm	1	1	1	1	20	3	10	8	2.71	16	273.0	149.0
Rainbow Trout	All	1	1	1	1	20	3	10	8	2.71	16	273.0	149.0

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 Rapid Creek, 2002-2012

**Site 1363**

Species/Size	Date	Pop Est.	(95% C.I.)	Stream Classification
Brown Trout <200mm	Oct 16, 2002	120	109-132	
	Feb 19, 2003	83	78-90	
	Oct 12, 2005	135	122-149	
	Sep 24, 2007	66	65-69	
	Jul 23, 2012	70	67-76	
Brown Trout >=200mm	Oct 16, 2002	33	32-36	BR2
	Feb 19, 2003	42	42-43	BR1



Brown Trout >=200mm	Oct 12, 2005	25	25-26	BR2
	Sep 24, 2007	18	18-20	BR2
	Jul 23, 2012	64	59-72	BR1
Creek Chub	Jul 23, 2012	1	1-1	
Largemouth Bass	Oct 12, 2005	7	7-8	
Longnose Dace	Oct 16, 2002	4	4-5	
	Feb 19, 2003	3	3-4	
	Oct 12, 2005	304	93-825	
	Sep 24, 2007	35	27-52	
Mountain Sucker	Feb 19, 2003	1	1-5	
	Oct 12, 2005	3	3-4	
Rock Bass	Oct 16, 2002	6	6-8	
	Feb 19, 2003	3	3-5	
	Oct 12, 2005	6	6-7	
	Sep 24, 2007	34	30-43	
White Sucker	Oct 16, 2002	48	47-51	

White Sucker	Feb 19, 2003	66	65-69
	Oct 12, 2005	140	120-160
	Jul 23, 2012	63	19-310

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**Site 1383**

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<b>Species/Size</b>	<b>Date</b>	<b>Pop Est.</b>	<b>(95% C.I.)</b>	<b>Stream Classification</b>
Black Bullhead	Jul 25, 2012	1	1-1	
Brown Trout <200mm	Oct 16, 2002	119	84-161	
	Apr 17, 2003	46	37-62	
	Oct 12, 2005	46	42-53	
	Jul 25, 2012	128	71-221	
Brown Trout >=200mm	Oct 16, 2002	66	66-67	BR1
	Apr 17, 2003	85	85-86	BR1
	Oct 12, 2005	13	13-14	BR2
	Jul 25, 2012	44	41-50	BR1
Largemouth Bass	Oct 16, 2002	5	5-6	
	Oct 12, 2005	22	22-23	

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Longnose Dace	Oct 16, 2002	9	8-15	
	Apr 17, 2003	6	7-9	
	Oct 12, 2005	1	1-1	
Mountain Sucker	Apr 17, 2003	2	2-5	
Rainbow Trout >=200mm	Oct 16, 2002	2	2-2	RB2
Rock Bass	Oct 16, 2002	1	1-5	
	Apr 17, 2003	6	4-21	
	Jul 25, 2012	2	2-2	
White Sucker	Oct 16, 2002	29	20-53	
	Apr 17, 2003	7	7-9	
	Oct 12, 2005	23	21-29	

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**Site 1393**

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<b>Species/Size</b>	<b>Date</b>	<b>Pop Est.</b>	<b>(95% C.I.)</b>	<b>Stream Classification</b>
Black Bullhead	Feb 19, 2003	1	1-1	
Bluegill	Jul 24, 2012	1	1-2	
Brown Trout <200mm	Oct 15, 2002	127	117-138	

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Brown Trout <200mm	Feb 19, 2003	76	70-85	
	Sep 26, 2005	142	125-159	
	Jul 24, 2012	56	40-85	
Brown Trout >=200mm	Oct 15, 2002	132	131-134	BR1
	Feb 19, 2003	121	120-124	BR1
	Sep 26, 2005	75	74-78	BR1
	Jul 24, 2012	76	61-97	BR1
Largemouth Bass	Sep 26, 2005	61	37-112	
Longnose Dace	Oct 15, 2002	6	6-8	
	Feb 19, 2003	3	4-5	
	Sep 26, 2005	1	1-1	
Mountain Sucker	Feb 19, 2003	1	1-5	
Rock Bass	Oct 15, 2002	5	5-7	
	Feb 19, 2003	6	5-12	
White Sucker	Oct 15, 2002	73	71-77	
	Feb 19, 2003	52	52-53	

White Sucker	Sep 26, 2005	272	234-310
	Jul 24, 2012	5	5-7

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**Site 1420**

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<b>Species/Size</b>	<b>Date</b>	<b>Pop Est.</b>	<b>(95% C.I.)</b>	<b>Stream Classification</b>
Brown Trout <200mm	Oct 09, 2002	327	307-347	
	Mar 06, 2003	108	99-119	
	Jul 24, 2012	210	108-349	
Brown Trout >=200mm	Oct 09, 2002	172	172-173	BR1
	Mar 06, 2003	98	98-98	BR1
	Jul 24, 2012	131	86-187	BR1
Longnose Dace	Oct 09, 2002	1	1-3	
	Mar 06, 2003	7	5-20	
Rainbow Trout <200mm	Oct 09, 2002	1	1-3	
Rock Bass	Oct 09, 2002	1	1-2	
White Sucker	Oct 09, 2002	19	18-23	
	Mar 06, 2003	8	8-9	

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White Sucker

Jul 24, 2012

10

10-11

**Site 1434**

<b>Species/Size</b>	<b>Date</b>	<b>Pop Est.</b>	<b>(95% C.I.)</b>	<b>Stream Classification</b>
Brown Trout <200mm	Oct 15, 2002	103	96-112	
	Mar 14, 2003	54	51-60	
	Oct 04, 2006	111	111-112	
	Jul 23, 2012	122	90-160	
Brown Trout >=200mm	Oct 15, 2002	183	182-186	BR1
	Mar 14, 2003	113	113-114	BR1
	Oct 04, 2006	44	44-46	BR1
	Jul 23, 2012	136	119-153	BR1
Longnose Dace	Mar 14, 2003	14	6-73	
	Oct 04, 2006	15	16-24	
Rock Bass	Oct 15, 2002	7	7-7	
	Mar 14, 2003	2	2-2	
	Oct 04, 2006	7	7-7	

Rock Bass	Jul 23, 2012	1	1-5
White Sucker	Oct 15, 2002	27	27-29
	Mar 14, 2003	57	57-57
	Oct 04, 2006	279	256-302
	Jul 23, 2012	65	57-77

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**Site 1444**

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<b>Species/Size</b>	<b>Date</b>	<b>Pop Est.</b>	<b>(95% C.I.)</b>	<b>Stream Classification</b>
Brown Trout <200mm	Oct 07, 2002	370	357-383	
	Mar 07, 2003	74	69-81	
	Sep 22, 2005	475	424-526	
	Oct 04, 2006	123	123-123	
	Sep 20, 2007	118	118-119	
	Sep 15, 2008	342	326-358	
	Aug 06, 2012	34	35-42	
Brown Trout >=200mm	Oct 07, 2002	64	64-64	BR1
	Mar 07, 2003	62	62-62	BR1

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Brown Trout >=200mm	Sep 22, 2005	51	51-52	BR1
	Oct 04, 2006	8	8-8	BR2
	Sep 20, 2007	9	9-10	BR2
	Sep 15, 2008	13	13-13	BR2
	Aug 06, 2012	84	73-98	BR1
Longnose Dace	Oct 07, 2002	15	16-20	
	Mar 07, 2003	1	2-1	
	Sep 22, 2005	46	38-61	
	Oct 04, 2006	73	30-215	
	Sep 20, 2007	8	8-10	
Rainbow Trout <200mm	Sep 22, 2005	1	1-1	
	Oct 04, 2006	2	2-3	
	Sep 15, 2008	5	3-24	
Rainbow Trout >=200mm	Sep 15, 2008	1	1-1	RB2
	Aug 06, 2012	2	2-2	RB2
Rock Bass	Sep 20, 2007	2	2-4	



Rock Bass	Aug 06, 2012	1	1-1
White Sucker	Oct 07, 2002	7	7-7
	Mar 07, 2003	15	15-15
	Sep 22, 2005	64	46-94
	Oct 04, 2006	23	23-24
	Sep 20, 2007	24	24-26
	Sep 15, 2008	13	13-15

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**Site 1470**

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<b>Species/Size</b>	<b>Date</b>	<b>Pop Est.</b>	<b>(95% C.I.)</b>	<b>Stream Classification</b>
Brown Trout <200mm	Sep 25, 2002	304	270-338	
	Sep 20, 2007	292	257-327	
	Jul 10, 2012	40	27-70	
Brown Trout >=200mm	Sep 25, 2002	1	1-2	BR3
	Sep 20, 2007	2	2-6	BR3
	Jul 10, 2012	58	56-63	BR1
Longnose Dace	Sep 25, 2002	10	10-12	

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Rainbow Trout <200mm	Sep 25, 2002	3	3-3	
	Sep 20, 2007	1	1-1	
Rainbow Trout >=200mm	Sep 20, 2007	4	4-4	RB2
	Jul 10, 2012	12	11-17	RB1
White Sucker	Sep 25, 2002	6	6-6	
	Jul 10, 2012	7	7-8	

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**Site 1475**

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<b>Species/Size</b>	<b>Date</b>	<b>Pop Est.</b>	<b>(95% C.I.)</b>	<b>Stream Classification</b>
Brown Trout <200mm	Sep 24, 2002	403	403-403	
	Jul 06, 2012	126	93-164	
Brown Trout >=200mm	Sep 24, 2002	6	6-6	BR3
	Jul 06, 2012	50	48-54	BR2
Longnose Dace	Sep 24, 2002	11	11-11	
Rainbow Trout <200mm	Sep 24, 2002	9	9-9	
	Jul 06, 2012	1	1-5	
Rainbow Trout >=200mm	Jul 06, 2012	14	12-21	RB1

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White Sucker

Sep 24, 2002

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1-1

**Site 1484**

Species/Size	Date	Pop Est.	(95% C.I.)	Stream Classification
Brown Trout <200mm	Oct 09, 2002	564	536-592	
	Jul 12, 2012	102	74-139	
Brown Trout >=200mm	Oct 09, 2002	3	3-3	BR3
	Jul 12, 2012	47	46-50	BR1
Mountain Sucker	Oct 09, 2002	1	1-2	
Rainbow Trout >=200mm	Jul 12, 2012	14	11-25	RB1

**Site 1510**

Species/Size	Date	Pop Est.	(95% C.I.)	Stream Classification
Brown Trout <200mm	Jul 10, 2012	76	67-89	
Brown Trout >=200mm	Jul 10, 2012	33	33-35	BR2

**Site 1606**

Species/Size	Date	Pop Est.	(95% C.I.)	Stream Classification
Brown Trout <200mm	Jun 24, 2004	515	433-597	
	Sep 22, 2005	264	238-290	

Brown Trout <200mm	Jul 26, 2012	99	75-130	
Brown Trout >=200mm	Jun 24, 2004	1	1-1	BR3
	Sep 22, 2005	9	9-10	BR2
	Jul 26, 2012	31	31-32	BR2

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**Site 1619**


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Species/Size	Date	Pop Est.	(95% C.I.)	Stream Classification
Brown Trout <200mm	Jul 26, 2012	247	160-334	
Brown Trout >=200mm	Jul 26, 2012	77	52-118	BR1
Rainbow Trout >=200mm	Jul 26, 2012	1	1-2	RB2

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**Site 1656**


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Species/Size	Date	Pop Est.	(95% C.I.)	Stream Classification
Brown Trout <200mm	Oct 25, 2002	152	127-177	
	Jun 09, 2004	166	167-183	
	Sep 21, 2005	217	170-264	
	Oct 02, 2006	117	117-117	
	Sep 16, 2008	58	53-66	
	Sep 09, 2009	89	89-91	

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Brown Trout <200mm	Jul 02, 2012	169	135-203	
Brown Trout >=200mm	Oct 25, 2002	30	30-30	BR1
	Jun 09, 2004	15	15-17	BR2
	Sep 21, 2005	20	19-24	BR2
	Oct 02, 2006	15	15-16	BR2
	Sep 16, 2008	21	21-22	BR2
	Sep 09, 2009	33	32-36	BR1
	Jul 02, 2012	28	28-30	BR2
Rainbow Trout <200mm	Oct 02, 2006	5	5-7	
	Sep 16, 2008	1	1-1	
	Sep 09, 2009	76	40-158	
Rainbow Trout >=200mm	Sep 09, 2009	1	2-2	RB2

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**Site 1752**

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<b>Species/Size</b>	<b>Date</b>	<b>Pop Est.</b>	<b>(95% C.I.)</b>	<b>Stream Classification</b>
Brown Trout <200mm	Jun 09, 2004	147	90-223	
	Sep 21, 2005	241	175-307	

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Brown Trout <200mm	Oct 02, 2006	135	135-136	
	Sep 27, 2007	145	144-148	
	Sep 16, 2008	112	108-118	
	Sep 09, 2009	85	84-88	
	Jul 12, 2012	89	78-103	
Brown Trout >=200mm	Jun 09, 2004	24	24-24	BR2
	Sep 21, 2005	11	11-12	BR2
	Oct 02, 2006	3	3-4	BR3
	Sep 27, 2007	17	17-17	BR2
	Sep 16, 2008	30	30-32	BR2
	Sep 09, 2009	35	31-44	BR2
	Jul 12, 2012	30	30-31	BR2
Rainbow Trout <200mm	Oct 02, 2006	9	9-10	
	Sep 27, 2007	19	19-19	
	Sep 09, 2009	36	14-150	
Rainbow Trout >=200mm	Sep 27, 2007	2	2-2	RB2

Rainbow Trout >=200mm	Sep 16, 2008	1	1-1	RB2
	Sep 09, 2009	2	2-4	RB2
	Jul 12, 2012	3	3-4	RB2

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**Site 1812**


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Species/Size	Date	Pop Est.	(95% C.I.)	Stream Classification
Brook Trout <200mm	Sep 30, 2005	1	1-2	
Brown Trout <200mm	Jun 24, 2004	613	210-1205	
	Sep 30, 2005	202	196-209	
	Sep 27, 2007	156	149-164	
	Jul 05, 2012	164	145-183	
Brown Trout >=200mm	Jun 24, 2004	9	9-9	BR2
	Sep 30, 2005	2	2-2	BR3
	Sep 27, 2007	13	13-13	BR2
	Jul 05, 2012	60	56-67	BR1
Rainbow Trout <200mm	Sep 27, 2007	2	2-4	
	Jul 05, 2012	5	5-5	

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Rainbow Trout >=200mm	Sep 27, 2007	2	2-2	RB2
	Jul 05, 2012	2	2-3	RB2

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**Site 1817**


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Species/Size	Date	Pop Est.	(95% C.I.)	Stream Classification
Brown Trout <200mm	Jul 05, 2012	177	114-248	
Brown Trout >=200mm	Jul 05, 2012	50	45-59	BR1
Rainbow Trout <200mm	Jul 05, 2012	9	8-14	
Rainbow Trout >=200mm	Jul 05, 2012	1	1-1	RB2

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**Site 1833**


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Species/Size	Date	Pop Est.	(95% C.I.)	Stream Classification
Brook Trout <200mm	Oct 28, 2002	2	2-4	
	Oct 13, 2004	2	2-3	
Brook Trout >=200mm	Jul 11, 2012	1	1-1	BK3
Brown Trout <200mm	Oct 28, 2002	84	71-101	
	Oct 13, 2004	492	425-559	
	Sep 20, 2005	437	336-538	
	Oct 03, 2006	181	179-185	

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Brown Trout <200mm	Oct 02, 2007	55	50-64	
	Sep 17, 2008	102	102-104	
	Sep 11, 2009	184	99-301	
	Jul 11, 2012	87	88-99	
Brown Trout >=200mm	Oct 28, 2002	37	36-40	BR1
	Oct 13, 2004	7	7-7	BR2
	Sep 20, 2005	5	5-5	BR3
	Oct 03, 2006	4	4-4	BR3
	Oct 02, 2007	6	6-7	BR2
	Sep 17, 2008	9	9-10	BR2
	Sep 11, 2009	4	4-4	BR3
	Jul 11, 2012	47	47-48	BR1
Rainbow Trout <200mm	Oct 28, 2002	2	2-3	
	Oct 13, 2004	4	4-6	
	Sep 20, 2005	12	10-20	
	Oct 03, 2006	12	12-13	

Rainbow Trout <200mm	Sep 17, 2008	16	16-17	
	Sep 11, 2009	28	12-108	
	Jul 11, 2012	6	6-7	
Rainbow Trout >=200mm	Oct 28, 2002	1	1-5	RB2
	Sep 20, 2005	2	2-2	RB2
	Oct 02, 2007	1	1-2	RB2
	Sep 17, 2008	3	3-3	RB2
	Sep 11, 2009	1	1-1	RB2
	Jul 11, 2012	3	3-3	RB2

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**Site 1843**

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<b>Species/Size</b>	<b>Date</b>	<b>Pop Est.</b>	<b>(95% C.I.)</b>	<b>Stream Classification</b>
Brook Trout <200mm	Oct 25, 2002	6	6-6	
	Jul 07, 2004	4	4-4	
	Sep 19, 2005	2	2-6	
	Oct 02, 2007	1	1-2	
	Sep 17, 2008	3	3-4	

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Brown Trout <200mm	Oct 25, 2002	31	25-44	
	Jul 07, 2004	83	72-97	
	Sep 19, 2005	597	478-716	
	Oct 03, 2006	217	209-225	
	Oct 02, 2007	73	64-86	
	Sep 17, 2008	126	119-134	
	Sep 11, 2009	47	47-48	
	Jul 11, 2012	102	62-167	
Brown Trout >=200mm	Oct 25, 2002	38	38-39	BR1
	Jul 07, 2004	9	9-9	BR2
	Sep 19, 2005	2	2-3	BR3
	Oct 03, 2006	3	3-5	BR3
	Oct 02, 2007	4	4-4	BR3
	Sep 17, 2008	1	1-5	BR3
	Sep 11, 2009	1	1-2	BR3
	Jul 11, 2012	8	8-8	BR2

Rainbow Trout <200mm	Sep 19, 2005	27	21-42	
	Oct 03, 2006	18	15-27	
	Oct 02, 2007	1	1-1	
	Sep 17, 2008	23	23-23	
	Sep 11, 2009	12	12-12	
	Jul 11, 2012	12	9-25	
Rainbow Trout >=200mm	Sep 19, 2005	2	2-2	RB2
	Sep 17, 2008	6	6-7	RB1
	Sep 11, 2009	2	2-4	RB2
	Jul 11, 2012	2	2-2	RB2

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**Site 1849**

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<b>Species/Size</b>	<b>Date</b>	<b>Pop Est.</b>	<b>(95% C.I.)</b>	<b>Stream Classification</b>
Brook Trout <200mm	Sep 28, 2006	1	1-1	
	Sep 25, 2007	4	4-5	
	Sep 18, 2008	2	2-3	
	Sep 08, 2009	12	12-13	

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Brook Trout <200mm	Jul 03, 2012	1	1-2	
Brook Trout >=200mm	Sep 25, 2007	1	1-1	BK3
	Sep 18, 2008	1	1-1	BK3
	Jul 03, 2012	1	1-2	BK3
Brown Trout <200mm	Sep 28, 2006	139	108-171	
	Sep 25, 2007	253	225-281	
	Sep 18, 2008	95	94-98	
	Sep 08, 2009	120	121-135	
	Jul 03, 2012	314	82-1027	
Brown Trout >=200mm	Sep 25, 2007	17	16-21	BR2
	Sep 18, 2008	17	15-24	BR2
	Sep 08, 2009	25	14-67	BR2
	Jul 03, 2012	22	22-24	BR2
Rainbow Trout <200mm	Sep 28, 2006	3	3-4	
	Sep 18, 2008	25	16-54	
	Sep 08, 2009	6	6-7	

Rainbow Trout <200mm	Jul 03, 2012	12	9-25	
Rainbow Trout >=200mm	Sep 25, 2007	29	28-33	RB1
	Sep 18, 2008	19	19-20	RB1
	Sep 08, 2009	9	9-9	RB1
	Jul 03, 2012	10	9-15	RB1

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**Site 1853**

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<b>Species/Size</b>	<b>Date</b>	<b>Pop Est.</b>	<b>(95% C.I.)</b>	<b>Stream Classification</b>
Brook Trout <200mm	Sep 23, 2002	18	18-20	
	Jul 07, 2004	24	24-25	
	Sep 19, 2005	104	92-118	
	Sep 28, 2006	50	38-72	
	Sep 25, 2007	11	11-13	
	Sep 18, 2008	27	26-30	
	Sep 08, 2009	50	27-113	
	Jul 03, 2012	25	16-54	
Brook Trout >=200mm	Sep 23, 2002	3	3-4	BK3

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Brook Trout >=200mm	Jul 07, 2004	1	1-1	BK3
	Sep 19, 2005	5	5-6	BK3
	Sep 28, 2006	5	5-5	BK3
	Sep 25, 2007	4	4-4	BK3
	Sep 18, 2008	3	3-4	BK3
	Sep 08, 2009	1	1-1	BK3
	Jul 03, 2012	1	1-1	BK3
Brown Trout <200mm	Sep 23, 2002	68	48-101	
	Jul 07, 2004	40	33-53	
	Sep 19, 2005	237	168-306	
	Sep 28, 2006	215	179-251	
	Sep 25, 2007	65	62-71	
	Sep 18, 2008	84	81-89	
	Sep 08, 2009	49	50-60	
	Jul 03, 2012	57	29-135	
Brown Trout >=200mm	Sep 23, 2002	28	28-28	BR2

Brown Trout >=200mm	Jul 07, 2004	18	18-18	BR2
	Sep 19, 2005	17	17-18	BR2
	Sep 28, 2006	7	7-7	BR2
	Sep 25, 2007	8	8-10	BR2
	Sep 18, 2008	4	4-4	BR3
	Sep 08, 2009	3	3-3	BR3
	Jul 03, 2012	13	13-15	BR2
Rainbow Trout <200mm	Sep 23, 2002	5	5-7	
	Jul 07, 2004	7	6-13	
	Sep 19, 2005	28	29-35	
	Sep 28, 2006	7	7-9	
	Sep 18, 2008	19	19-21	
	Sep 08, 2009	4	4-6	
	Jul 03, 2012	22	19-30	
Rainbow Trout >=200mm	Sep 23, 2002	24	24-25	RB1
	Jul 07, 2004	6	6-7	RB2



Rainbow Trout >=200mm	Sep 19, 2005	5	3-24	RB2
	Sep 28, 2006	16	16-17	RB1
	Sep 25, 2007	4	4-4	RB2
	Sep 18, 2008	4	4-5	RB2
	Jul 03, 2012	4	4-5	RB2
Rock Bass	Sep 28, 2006	1	1-5	

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**Site 1936**

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<b>Species/Size</b>	<b>Date</b>	<b>Pop Est.</b>	<b>(95% C.I.)</b>	<b>Stream Classification</b>
Brown Trout <200mm	Sep 26, 2006	137	137-139	
	Jun 27, 2012	29	29-31	
Brown Trout >=200mm	Sep 26, 2006	40	40-41	BR1
	Jun 27, 2012	10	10-10	BR2
Rainbow Trout <200mm	Sep 26, 2006	30	29-34	
Rainbow Trout >=200mm	Sep 26, 2006	3	3-3	RB2
	Jun 27, 2012	4	4-7	RB2
Rock Bass	Jun 27, 2012	7	7-9	

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White Sucker	Sep 26, 2006	88	71-110
	Jun 27, 2012	3	3-3

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**Site 1952**


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<b>Species/Size</b>	<b>Date</b>	<b>Pop Est.</b>	<b>(95% C.I.)</b>	<b>Stream Classification</b>
Brown Trout <200mm	Oct 28, 2002	48	47-51	
	Sep 26, 2006	106	101-113	
	Jun 27, 2012	42	40-47	
Brown Trout >=200mm	Oct 28, 2002	13	13-14	BR2
	Sep 26, 2006	4	4-6	BR3
	Jun 27, 2012	18	18-20	BR2
Largemouth Bass	Jun 27, 2012	1	1-1	
Rainbow Trout <200mm	Oct 28, 2002	4	4-4	
	Sep 26, 2006	41	39-46	
	Jun 27, 2012	4	4-7	
Rainbow Trout >=200mm	Sep 26, 2006	8	8-9	RB1
	Jun 27, 2012	6	6-6	RB1

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Rock Bass	Oct 28, 2002	13	13-14
	Jun 27, 2012	1	1-1
White Sucker	Oct 28, 2002	1	1-2
	Sep 26, 2006	32	33-40

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**Site 1960**


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<b>Species/Size</b>	<b>Date</b>	<b>Pop Est.</b>	<b>(95% C.I.)</b>	<b>Stream Classification</b>
Brook Trout <200mm	Jun 28, 2012	2	2-2	
Brown Trout <200mm	Jun 28, 2012	34	32-39	
Brown Trout >=200mm	Jun 28, 2012	27	22-39	BR2
Rainbow Trout <200mm	Jun 28, 2012	1	1-1	
Rainbow Trout >=200mm	Jun 28, 2012	29	29-31	RB1
White Sucker	Jun 28, 2012	4	4-4	

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**Site 1965**


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<b>Species/Size</b>	<b>Date</b>	<b>Pop Est.</b>	<b>(95% C.I.)</b>	<b>Stream Classification</b>
Brook Trout <200mm	Jun 28, 2012	2	2-3	
Brown Trout <200mm	Jun 28, 2012	35	31-44	
Brown Trout >=200mm	Jun 28, 2012	37	35-42	BR1

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Rainbow Trout <200mm	Jun 28, 2012	1	1-1	
Rainbow Trout >=200mm	Jun 28, 2012	11	10-16	RB1
White Sucker	Jun 28, 2012	2	2-6	

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**Site 2100**


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Species/Size	Date	Pop Est.	(95% C.I.)	Stream Classification
Brook Trout <200mm	Jul 13, 2012	1	1-1	
Brown Trout <200mm	Aug 02, 2006	40	40-41	
	Jul 13, 2012	68	65-74	
Brown Trout >=200mm	Aug 02, 2006	4	4-4	BR2
	Jul 13, 2012	13	13-13	BR2
Mountain Sucker	Jul 13, 2012	2	3-4	

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**Site 2133**


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Species/Size	Date	Pop Est.	(95% C.I.)	Stream Classification
Brook Trout <200mm	Aug 21, 2012	2	2-2	
Brook Trout >=200mm	Aug 21, 2012	1	1-1	BK3
Brown Trout <200mm	Aug 21, 2012	60	51-74	
Brown Trout >=200mm	Aug 21, 2012	17	17-19	BR2

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Mountain Sucker Aug 21, 2012 2 2-3

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**Site 2162**

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<b>Species/Size</b>	<b>Date</b>	<b>Pop Est.</b>	<b>(95% C.I.)</b>	<b>Stream Classification</b>
Brook Trout <200mm	Aug 21, 2012	6	6-6	
Brown Trout <200mm	Aug 21, 2012	57	51-67	
Brown Trout >=200mm	Aug 21, 2012	19	19-19	BR2
Mountain Sucker	Aug 21, 2012	8	8-9	
Rainbow Trout <200mm	Aug 21, 2012	1	1-1	
White Sucker	Aug 21, 2012	2	2-3	

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**Site 2189**

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<b>Species/Size</b>	<b>Date</b>	<b>Pop Est.</b>	<b>(95% C.I.)</b>	<b>Stream Classification</b>
Brook Trout <200mm	Jul 27, 2012	3	3-4	
Brown Trout <200mm	Jul 27, 2012	26	25-30	
Brown Trout >=200mm	Jul 27, 2012	12	12-13	BR2
Mountain Sucker	Jul 27, 2012	5	3-24	
Rainbow Trout >=200mm	Jul 27, 2012	1	1-1	RB2

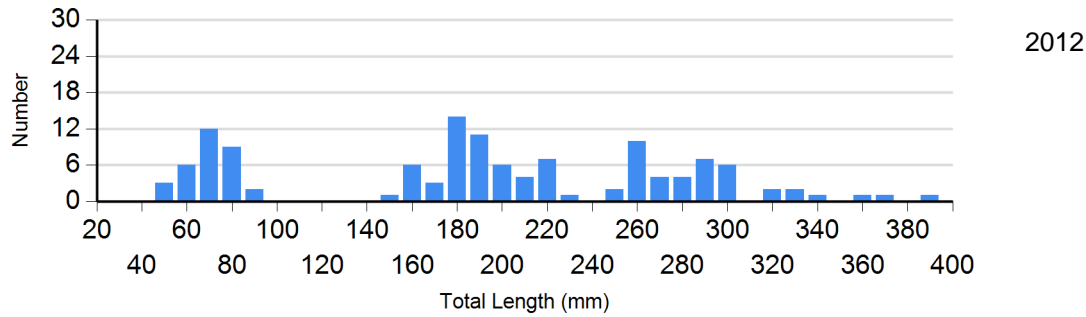
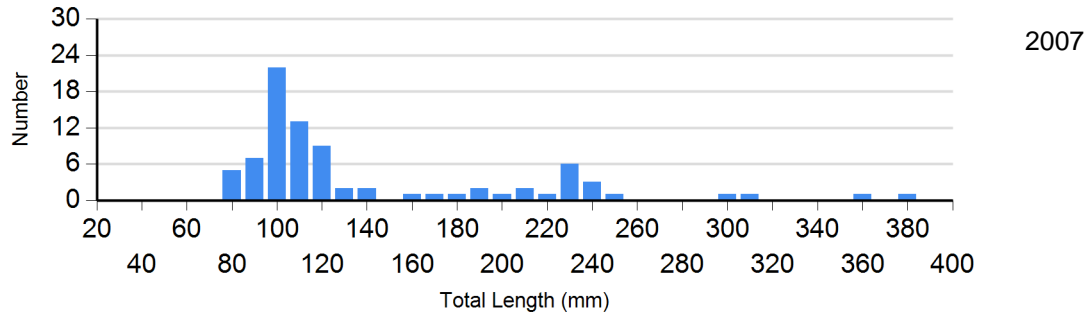
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## Length Frequency Distribution

Length frequency histogram of species sampled by year.

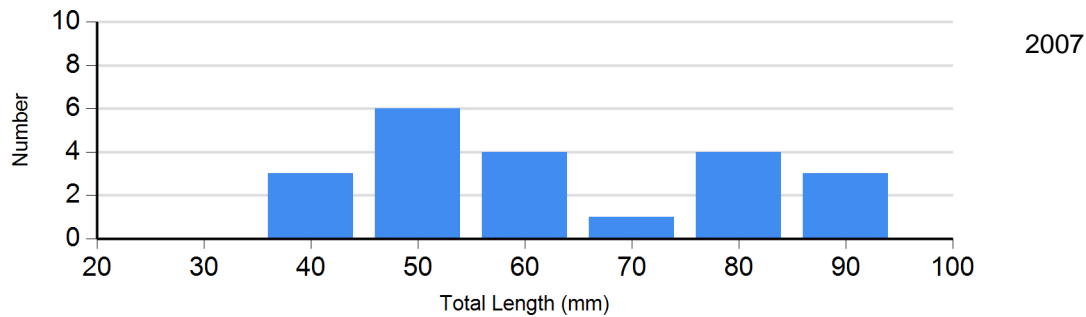
**Site:** 1363

**Species:** Brown Trout

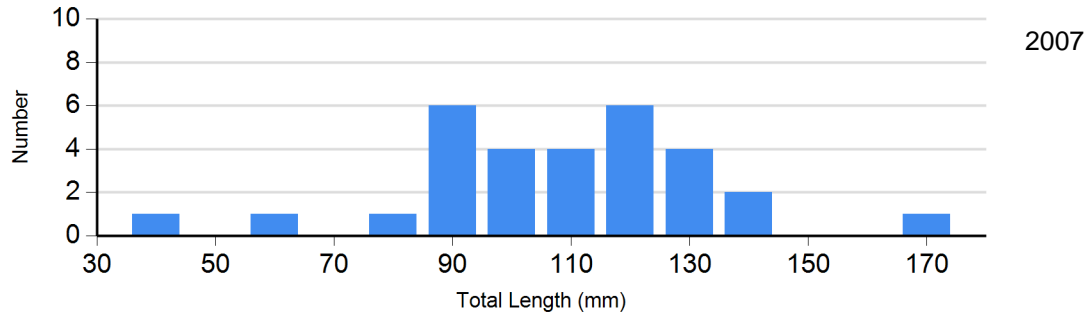


**Site:** 1363

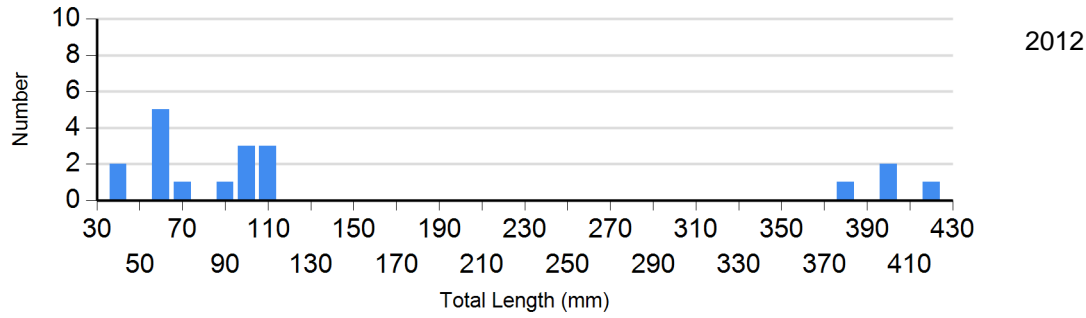
**Species:** Longnose Dace



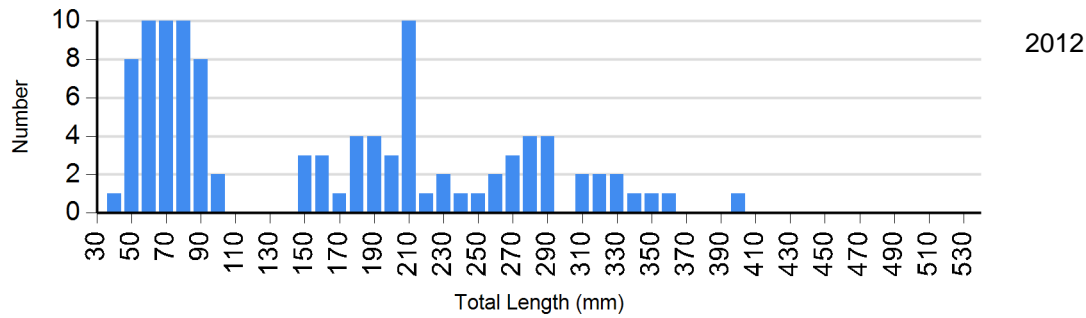
**Site:** 1363  
**Species:** Rock Bass



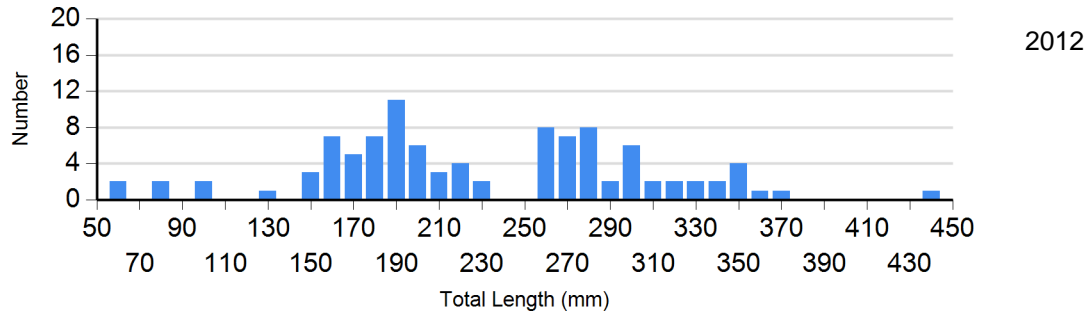
**Site:** 1363  
**Species:** White Sucker



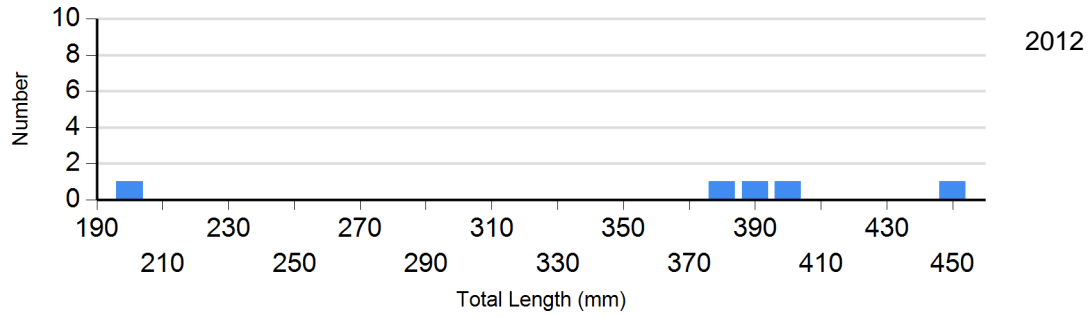
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**Species:** Brown Trout



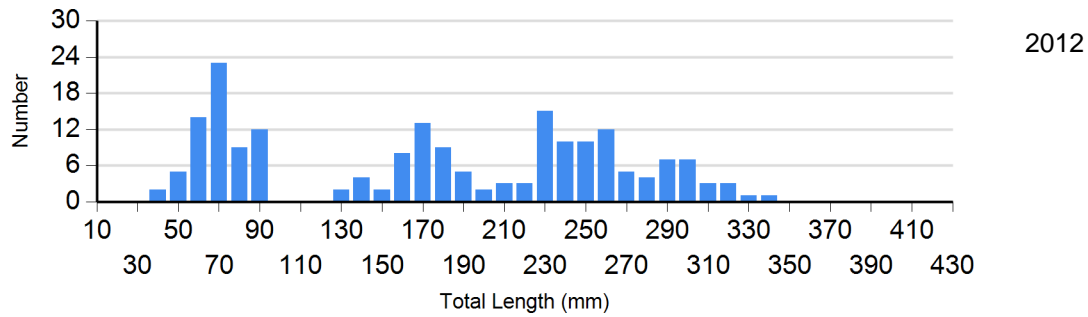
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Species: Brown Trout



Site: 1393  
Species: White Sucker

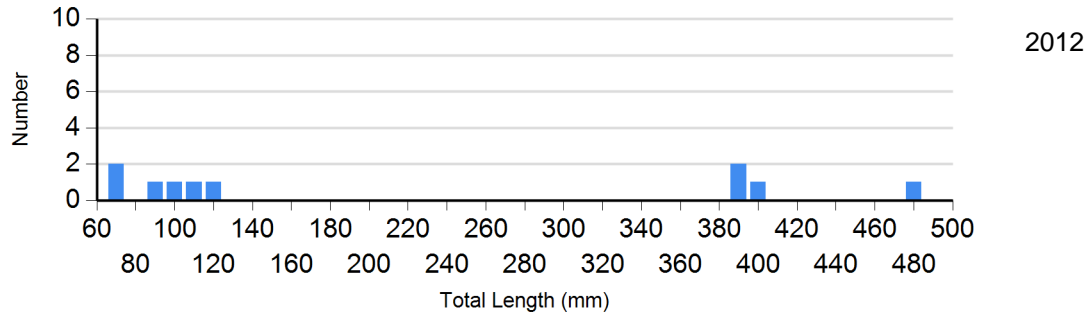


Site: 1420  
Species: Brown Trout

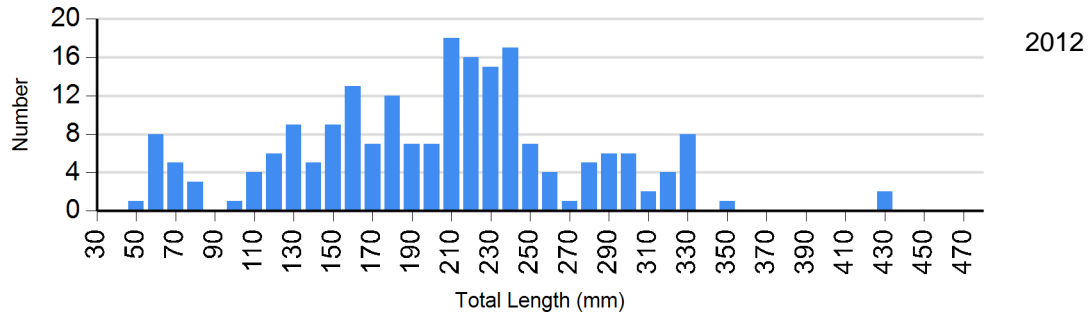




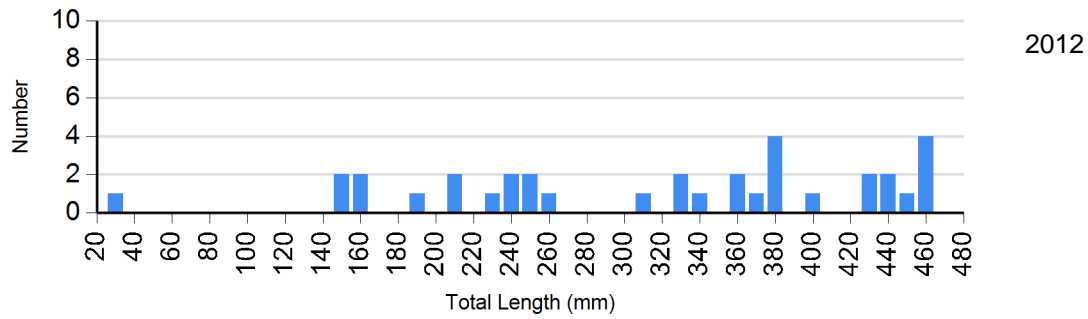
Site: 1420  
Species: White Sucker



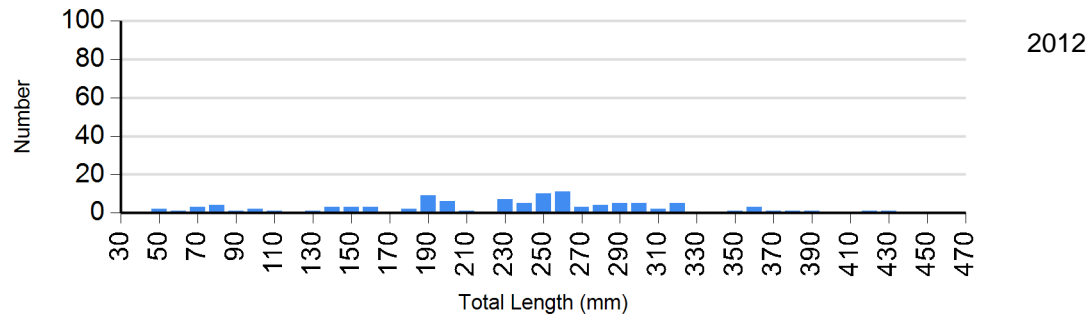
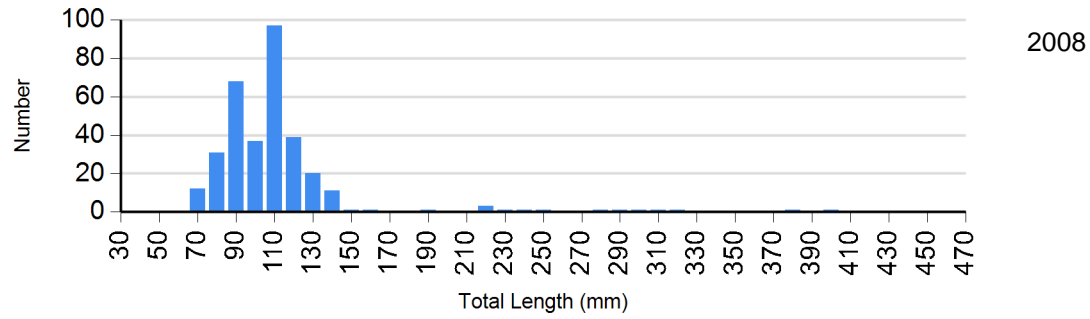
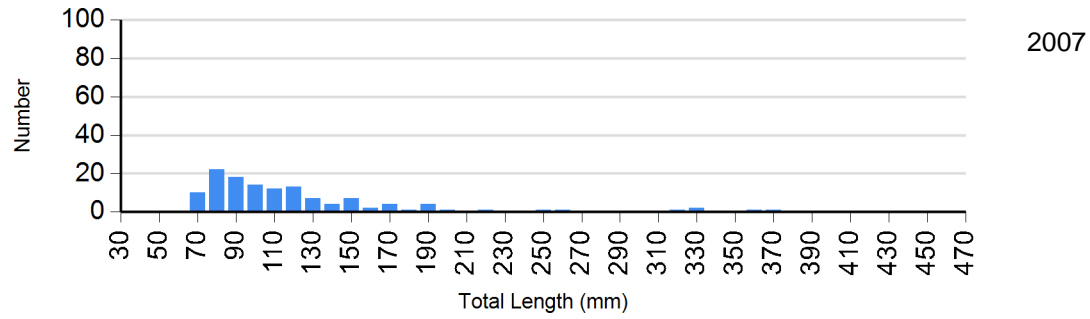
Site: 1434  
Species: Brown Trout



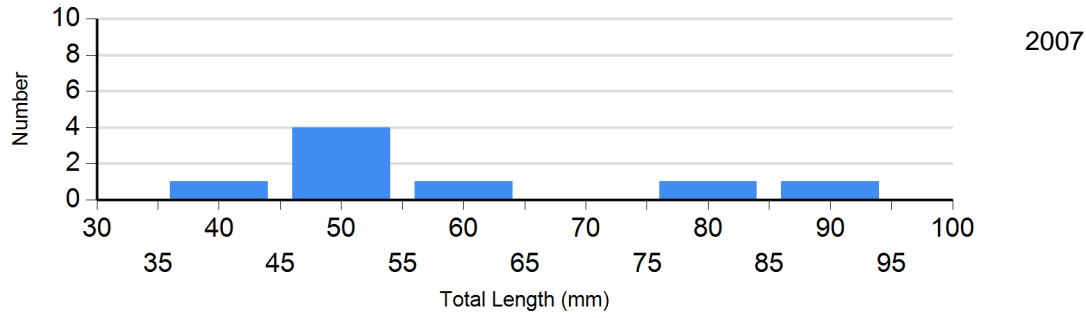
Site: 1434  
Species: White Sucker



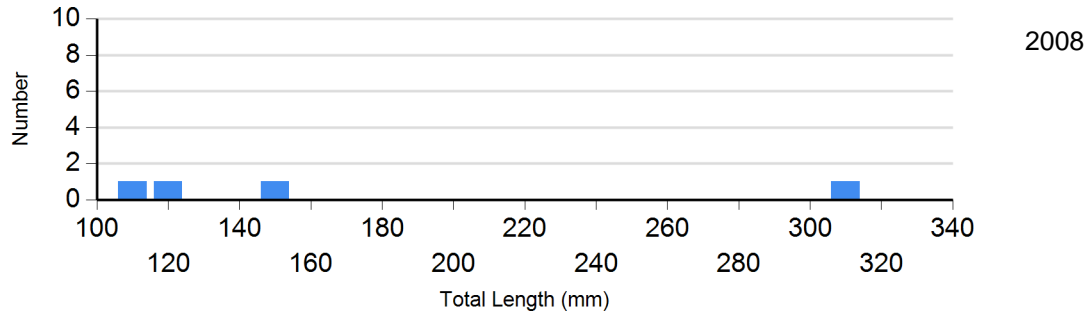
Site: 1444  
Species: Brown Trout



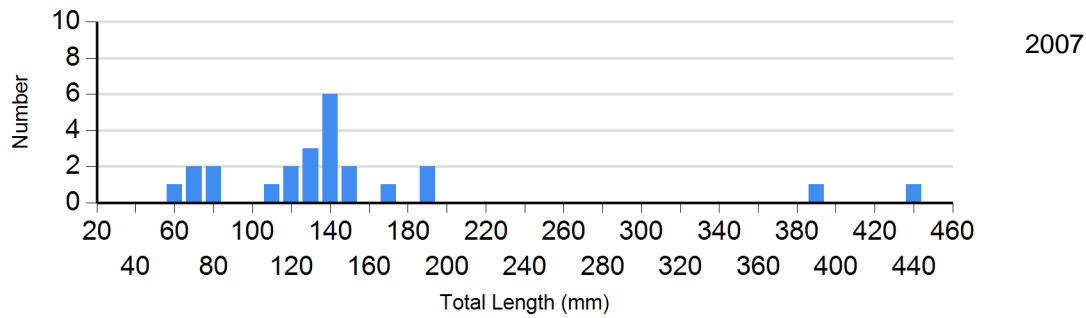
**Site:** 1444  
**Species:** Longnose Dace



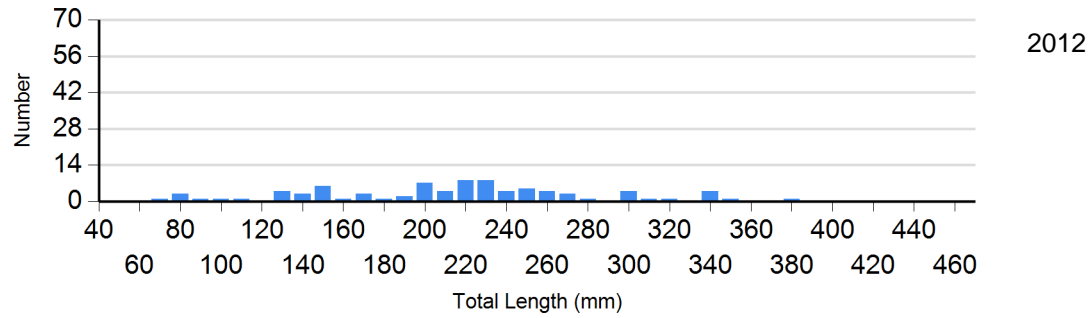
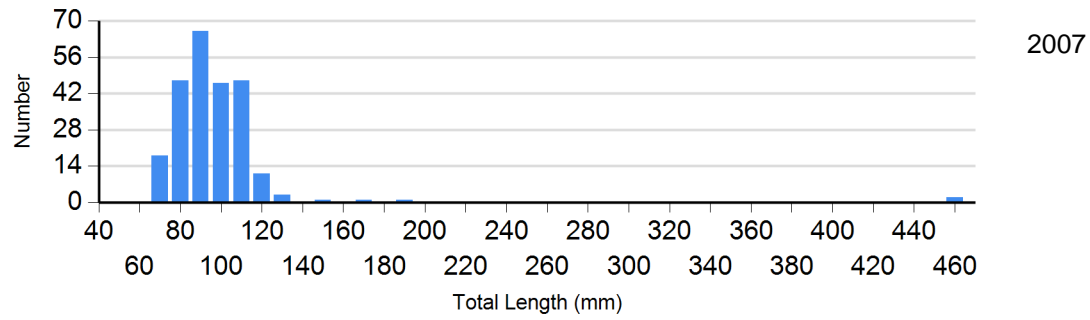
**Site:** 1444  
**Species:** Rainbow Trout



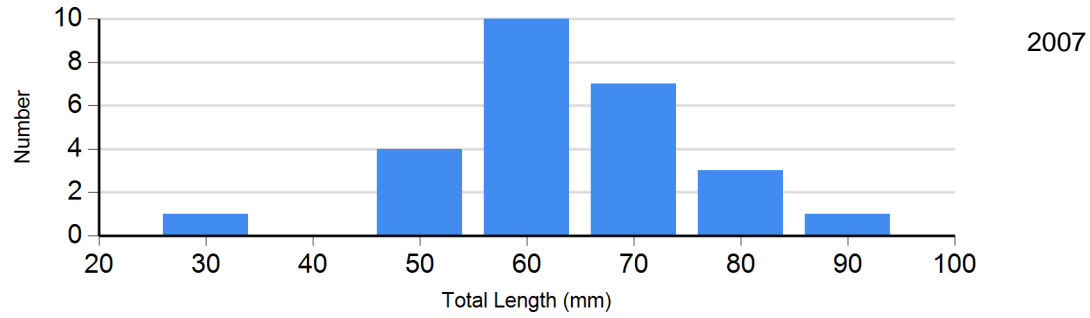
**Site:** 1444  
**Species:** White Sucker



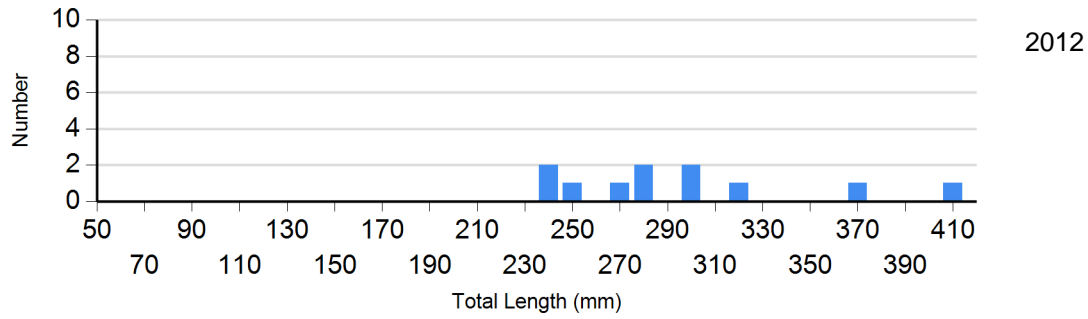
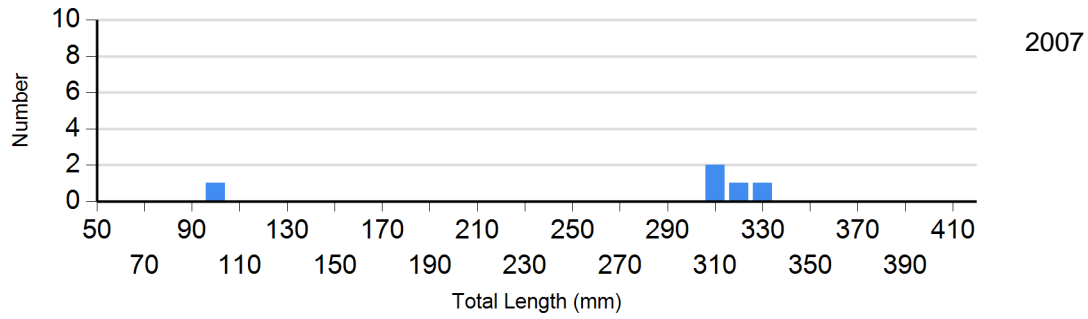
**Site:** 1470  
**Species:** Brown Trout



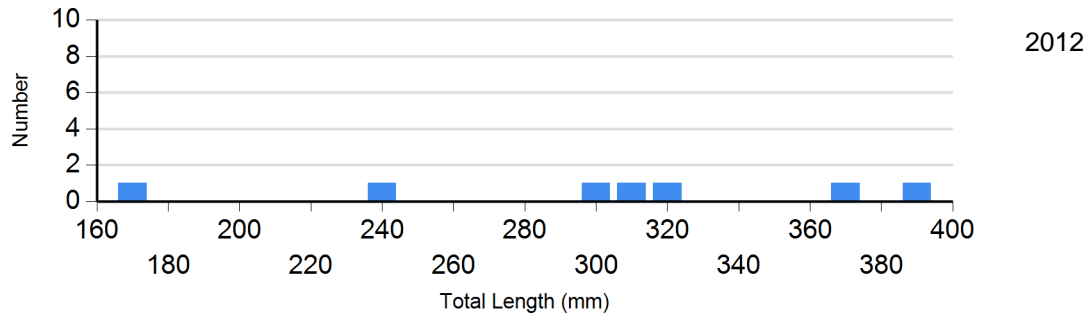
**Site:** 1470  
**Species:** Longnose Dace



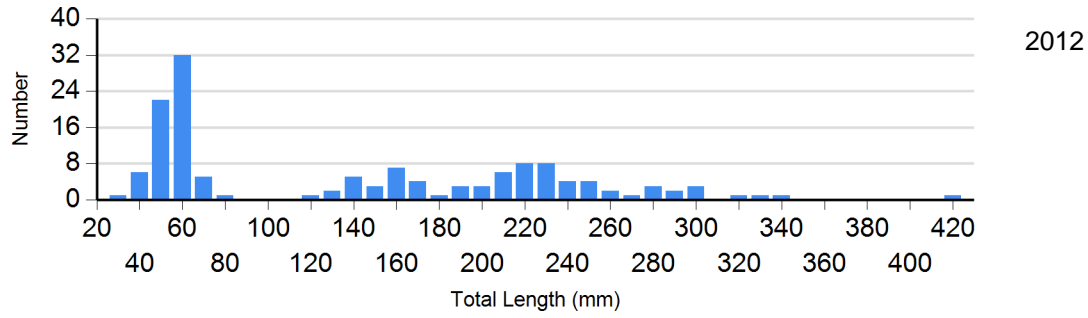
**Site: 1470**  
**Species: Rainbow Trout**



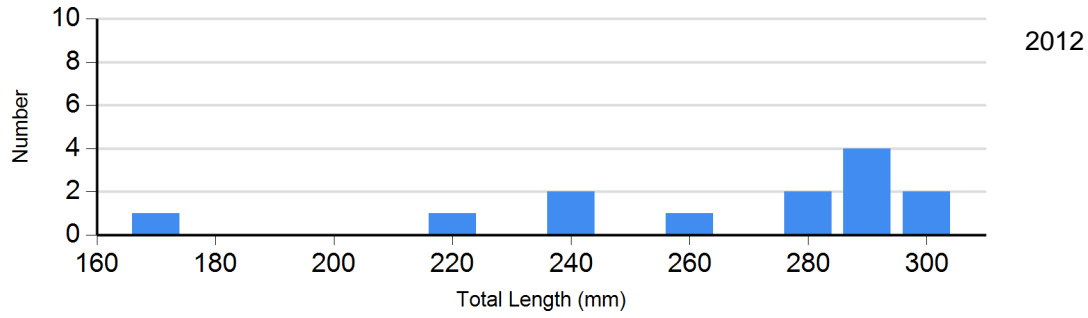
**Site: 1470**  
**Species: White Sucker**



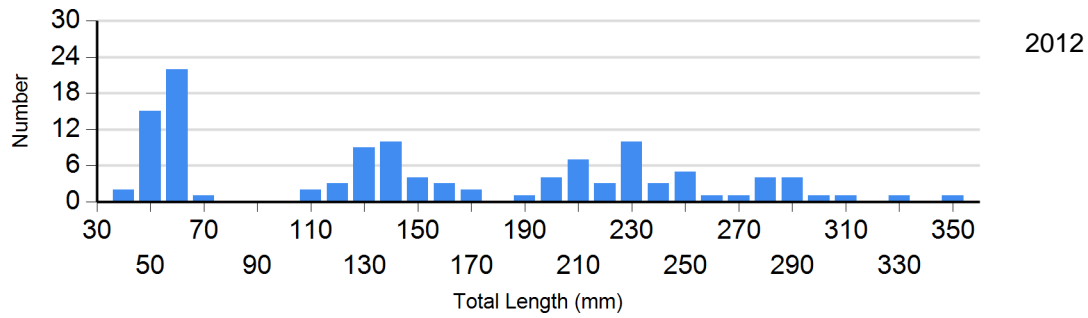
**Site:** 1475  
**Species:** Brown Trout



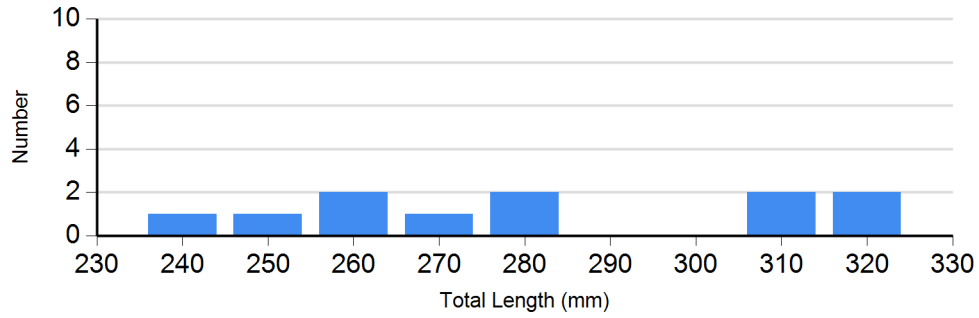
**Site:** 1475  
**Species:** Rainbow Trout



**Site:** 1484  
**Species:** Brown Trout

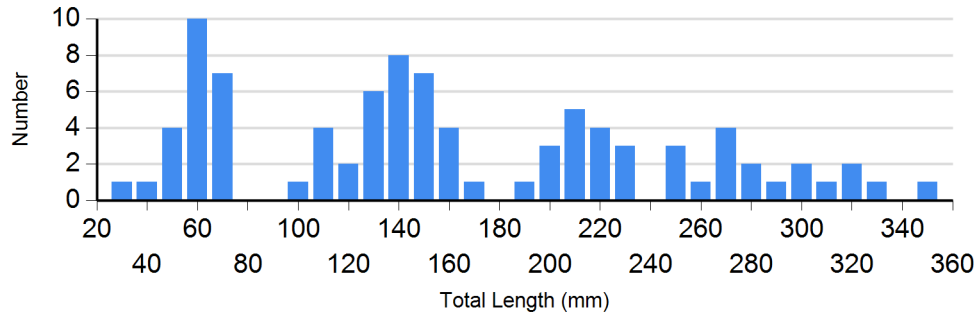


**Site:** 1484  
**Species:** Rainbow Trout



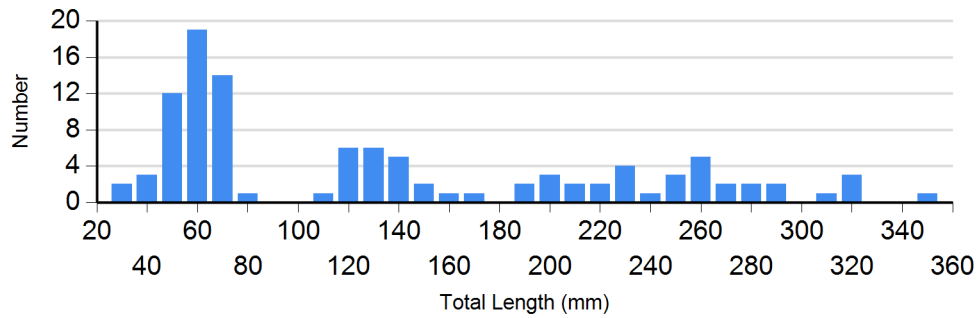
2012

**Site:** 1510  
**Species:** Brown Trout



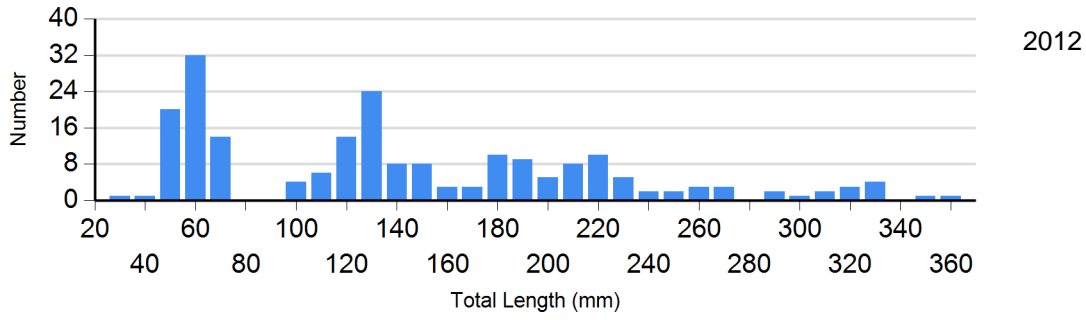
2012

**Site:** 1606  
**Species:** Brown Trout

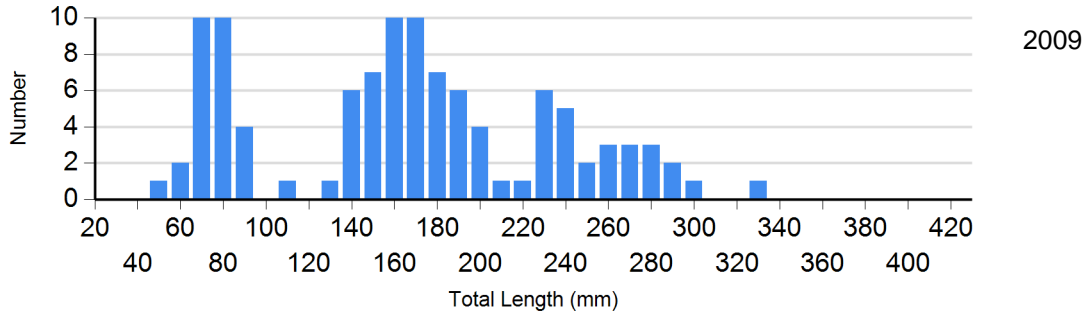
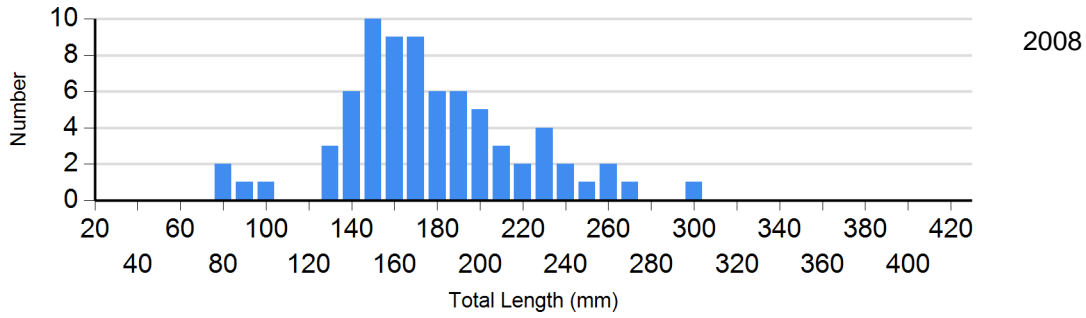


2012

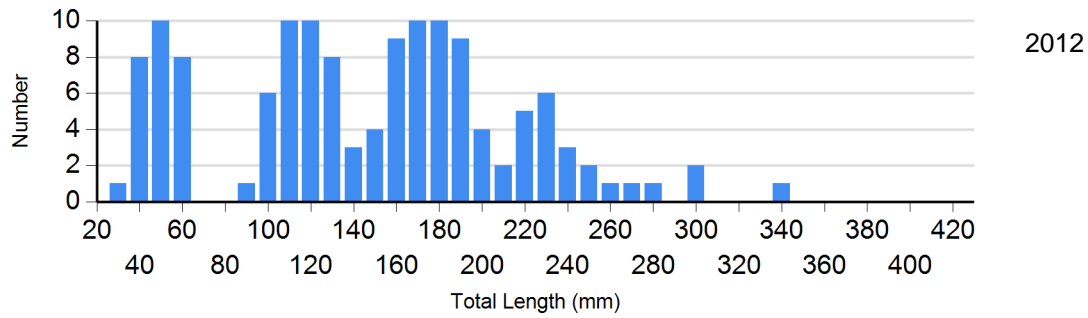
Site: 1619  
Species: Brown Trout



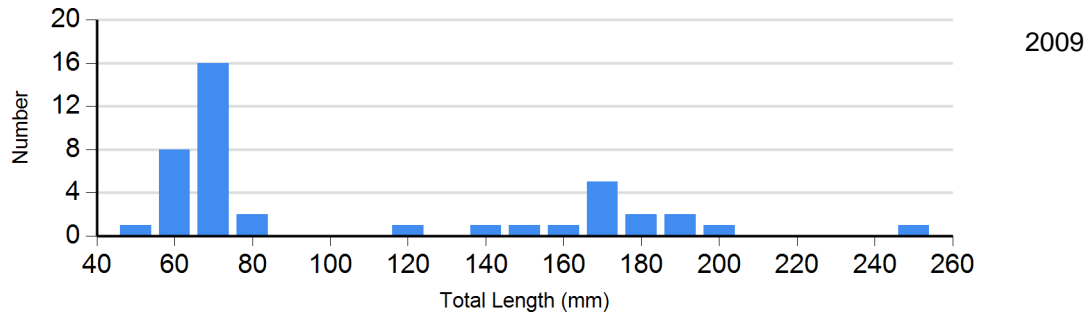
Site: 1656  
Species: Brown Trout



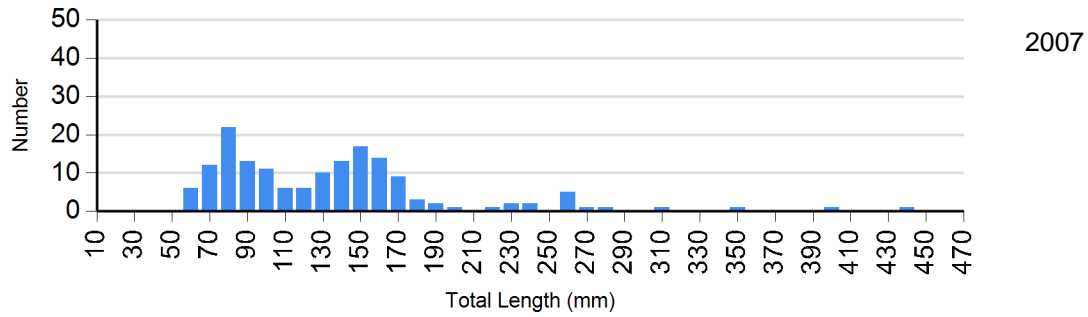


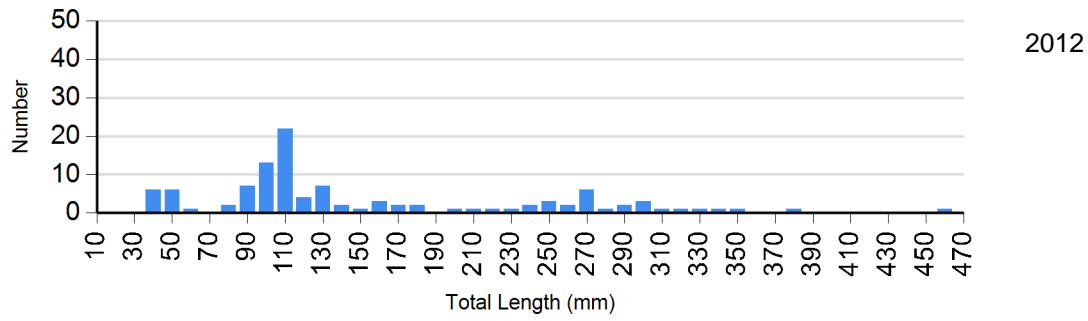
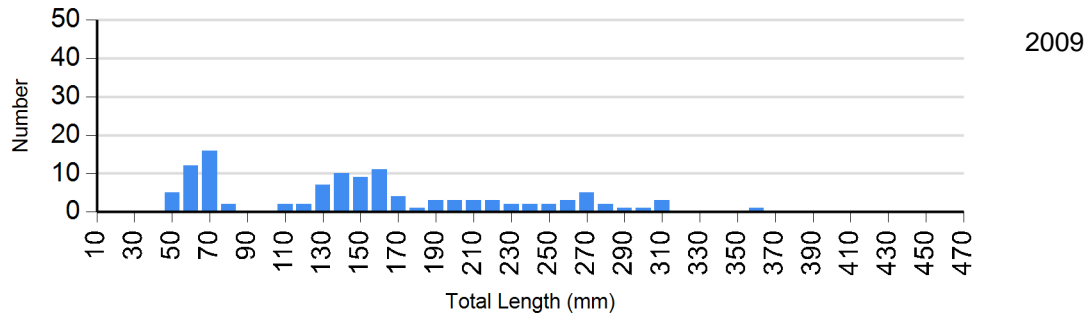
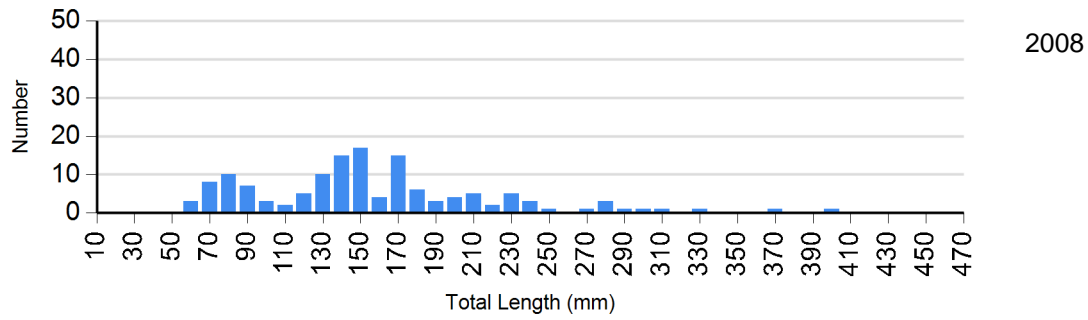


**Site:** 1656  
**Species:** Rainbow Trout

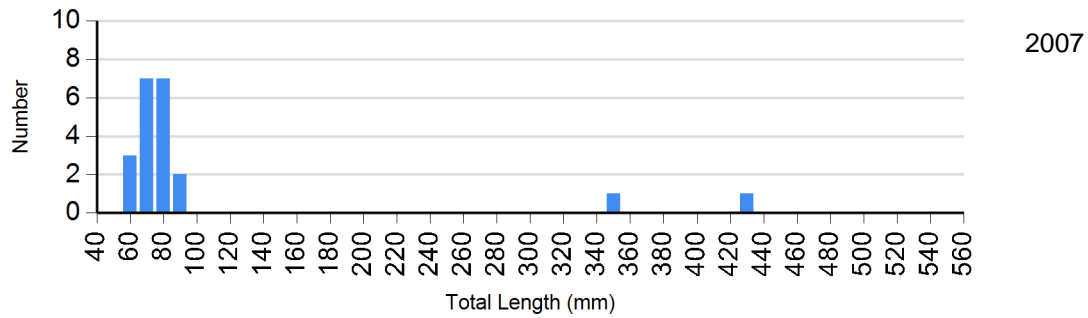


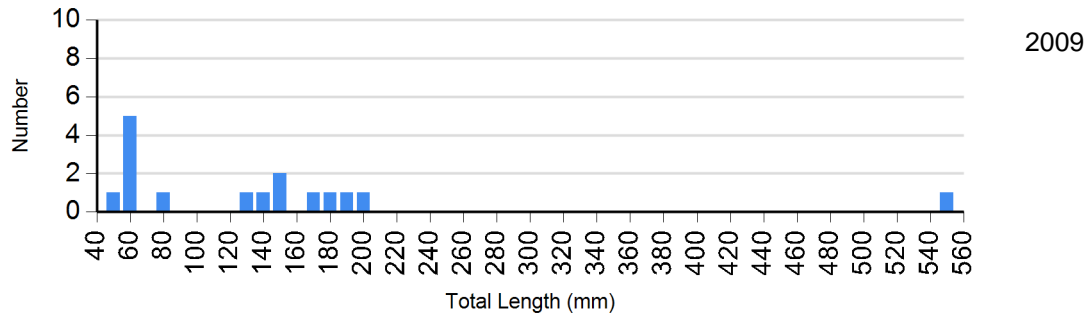
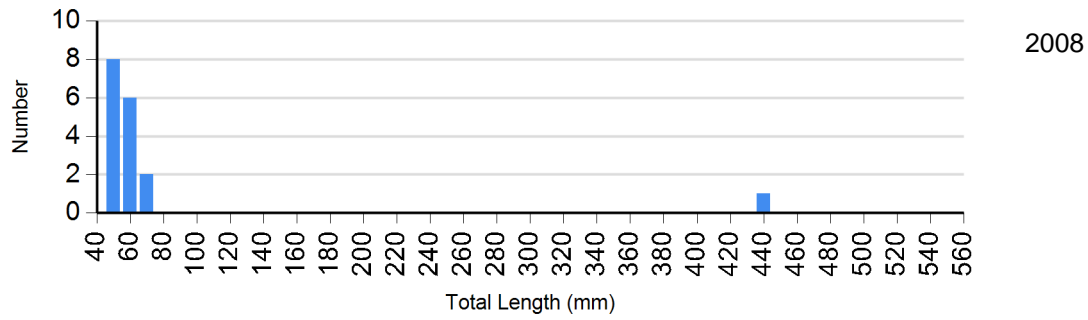
**Site:** 1752  
**Species:** Brown Trout



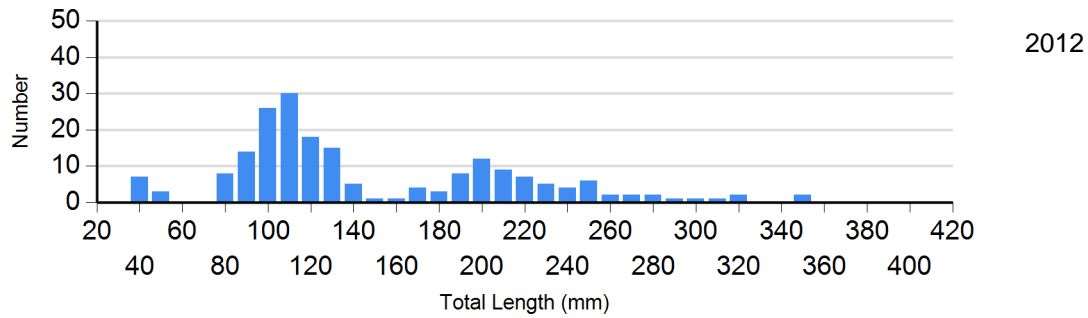
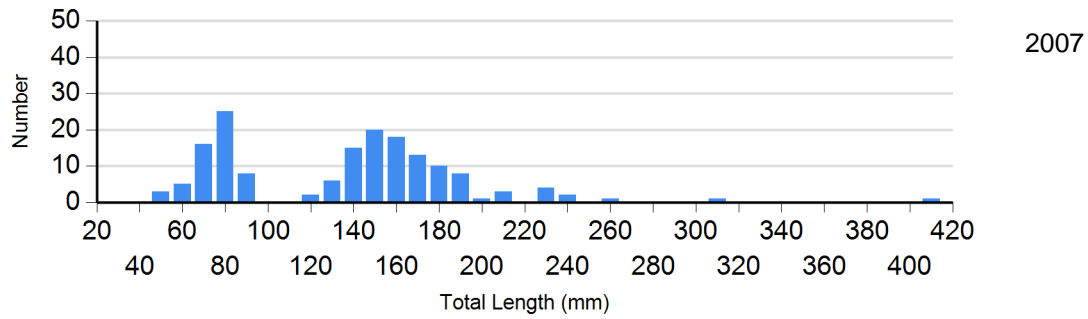


Site: 1752  
Species: Rainbow Trout

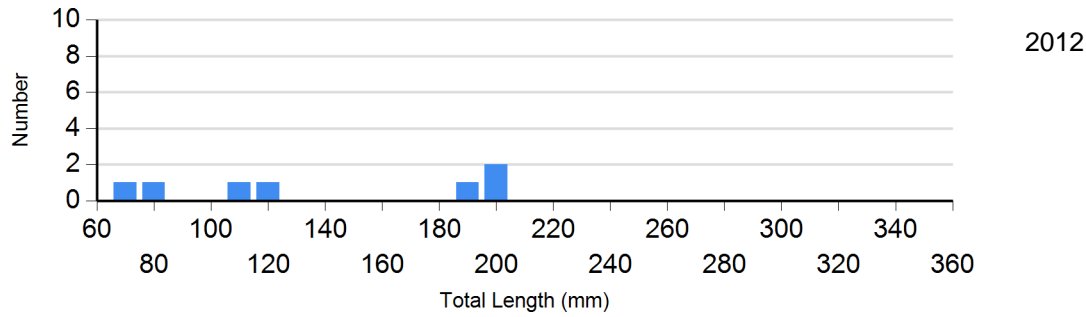
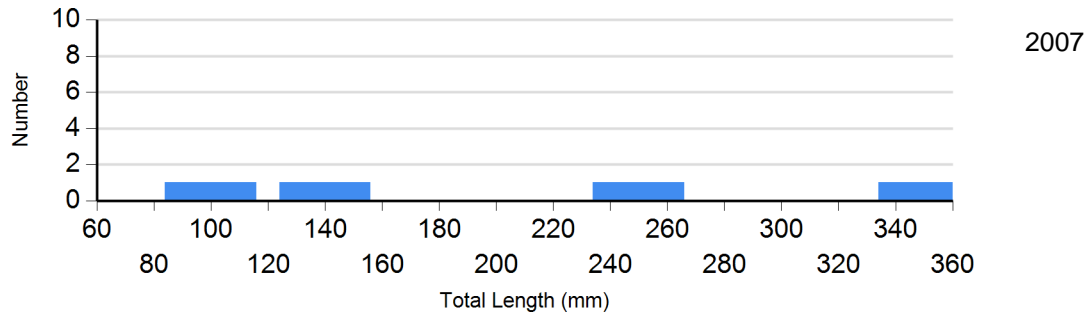




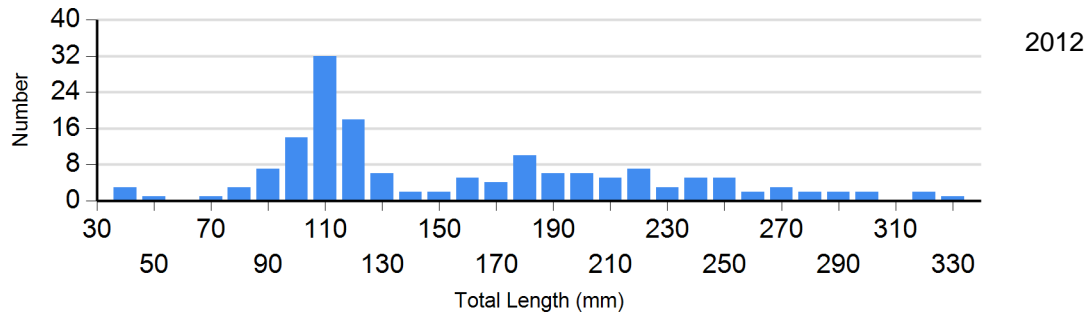
**Site:** 1812  
**Species:** Brown Trout



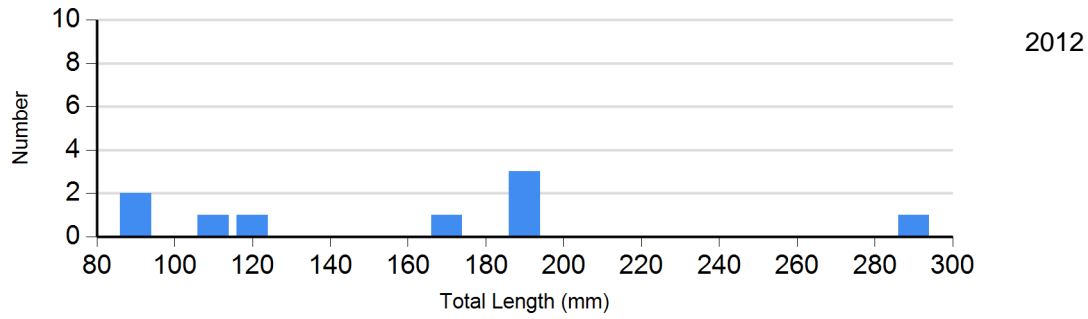
**Site: 1812**  
**Species: Rainbow Trout**



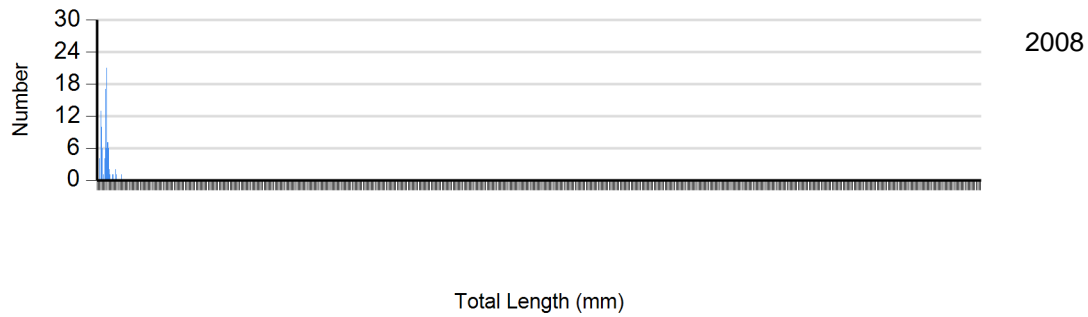
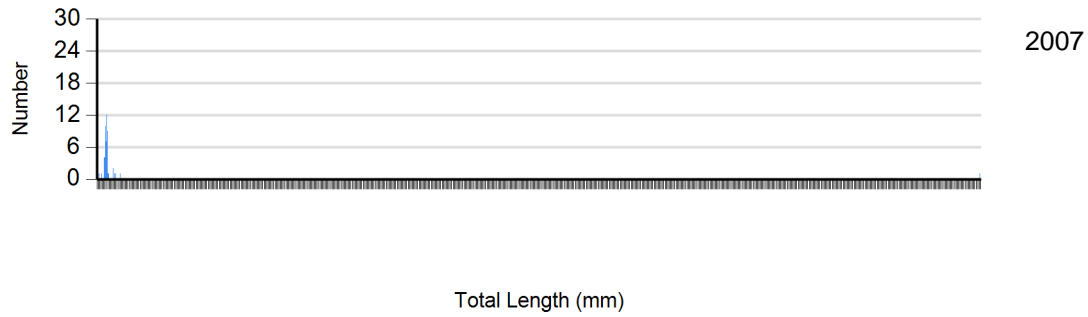
**Site: 1817**  
**Species: Brown Trout**

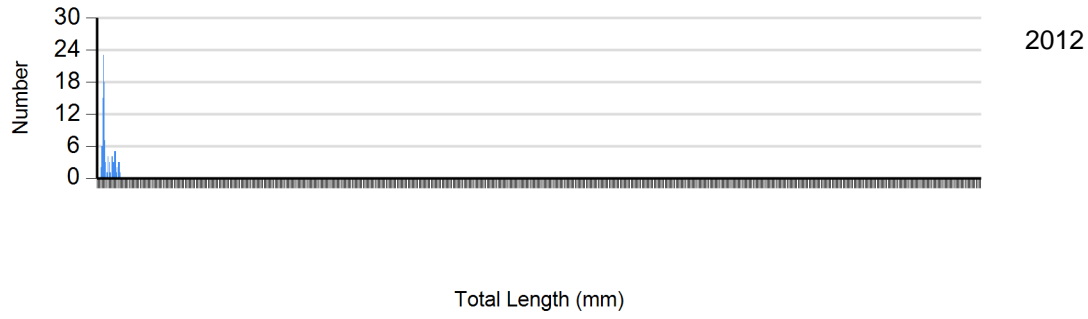
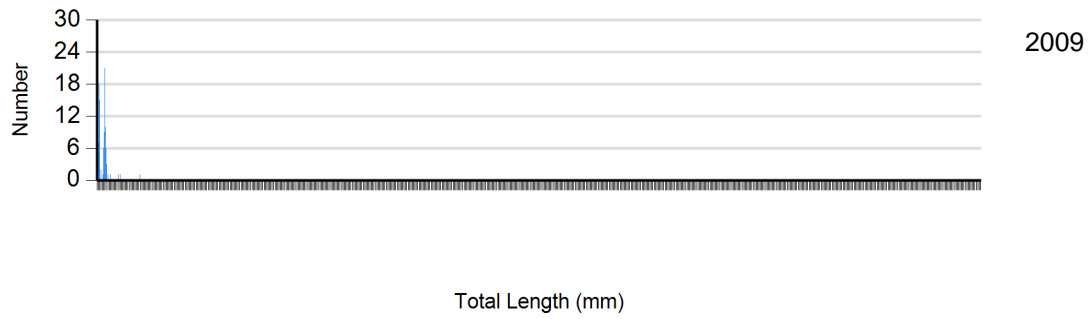


**Site:** 1817  
**Species:** Rainbow Trout

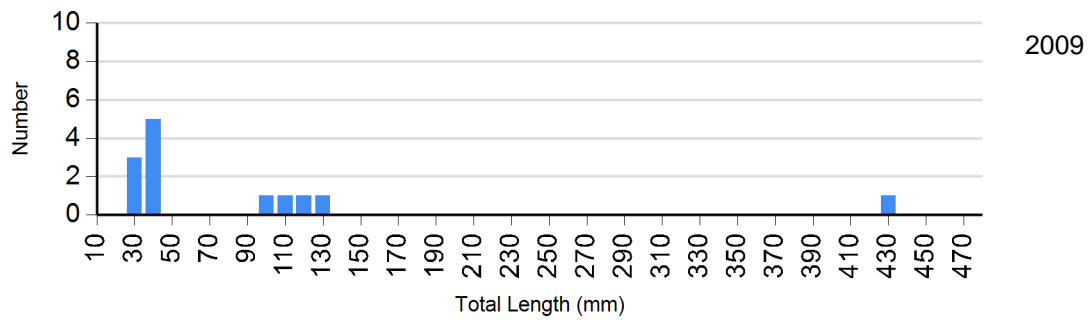
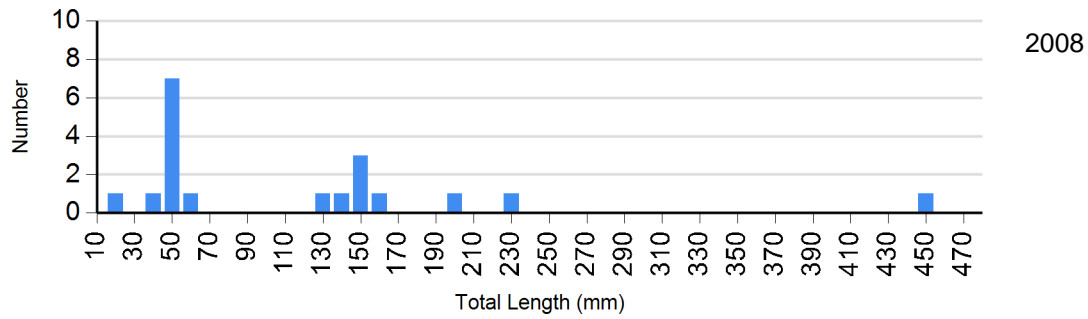


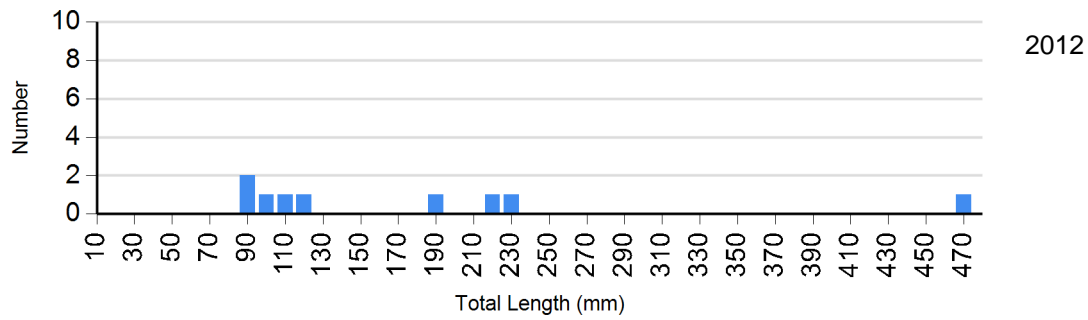
**Site:** 1833  
**Species:** Brown Trout



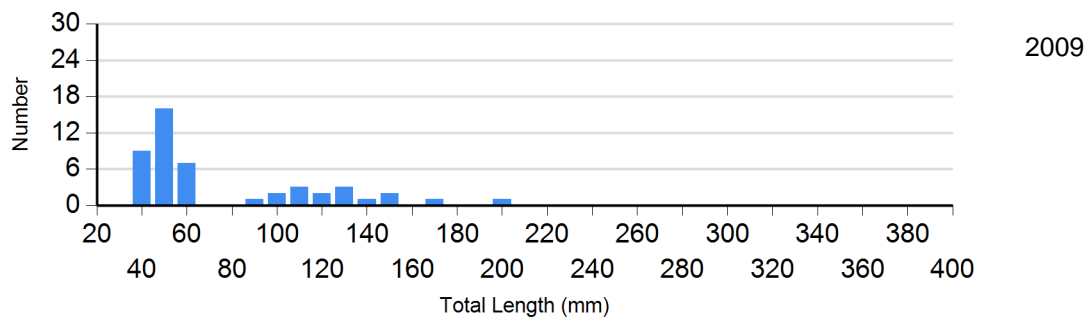
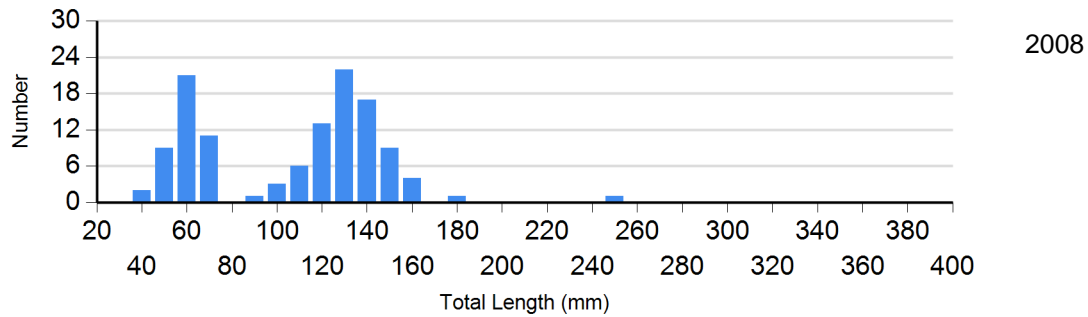
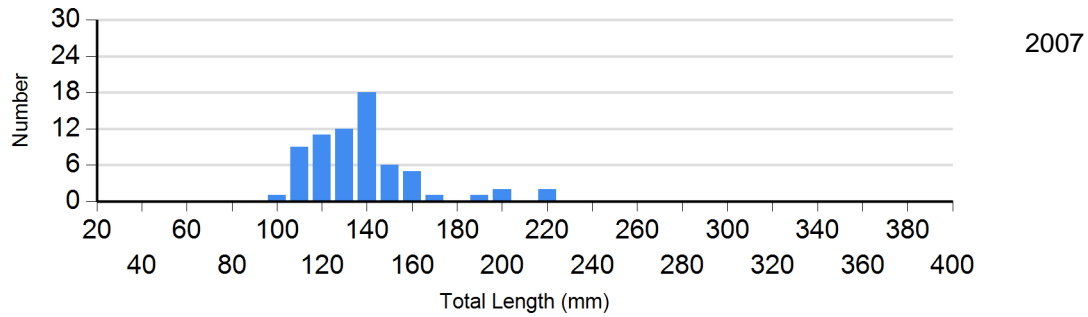


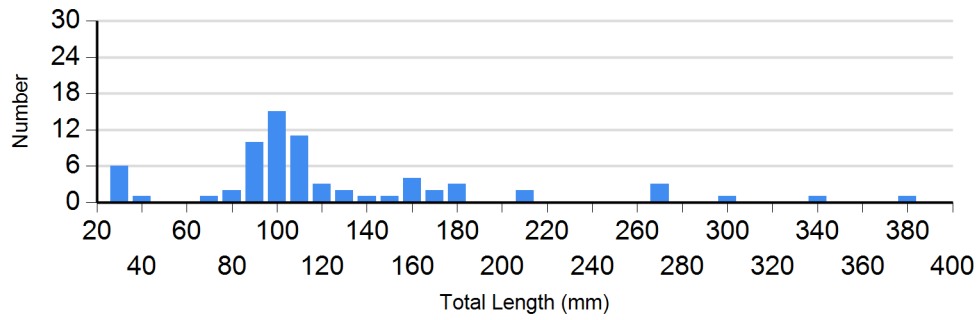
**Site:** 1833  
**Species:** Rainbow Trout



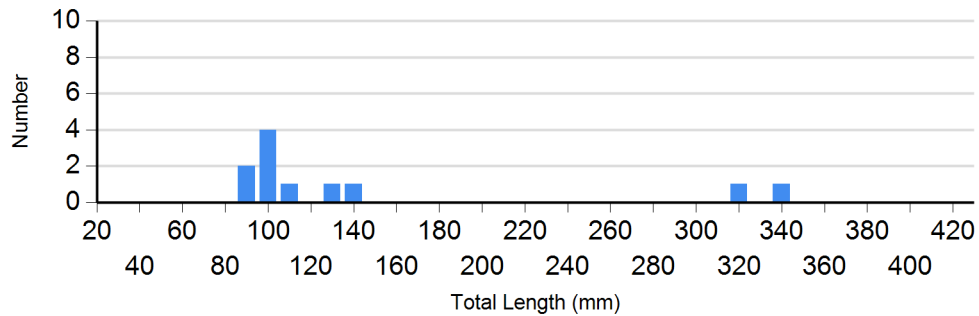
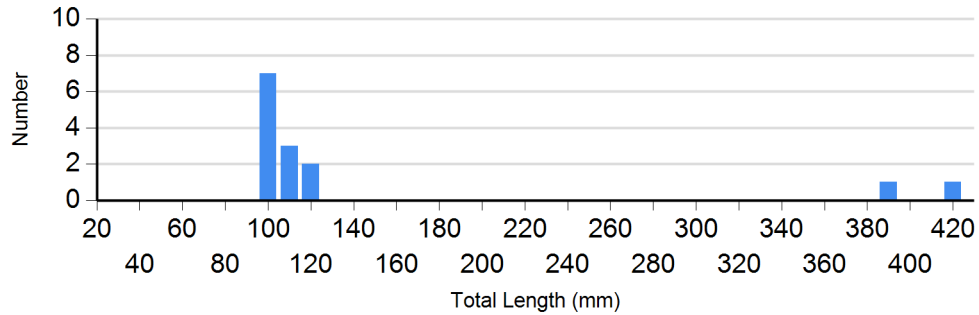
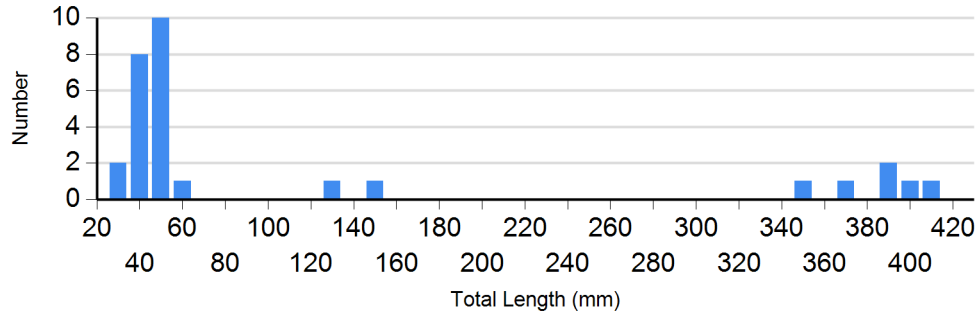


Site: 1843  
Species: Brown Trout



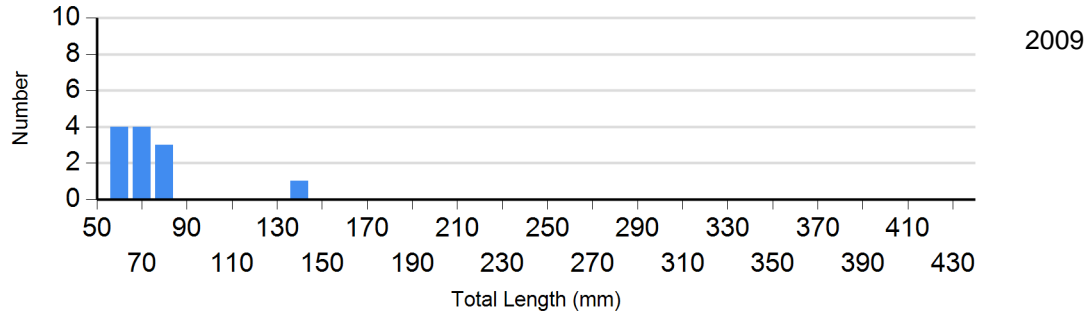
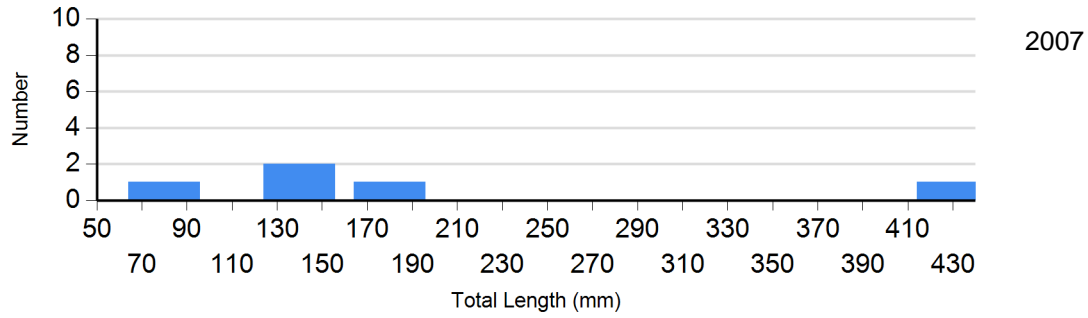


Site: 1843  
Species: Rainbow Trout

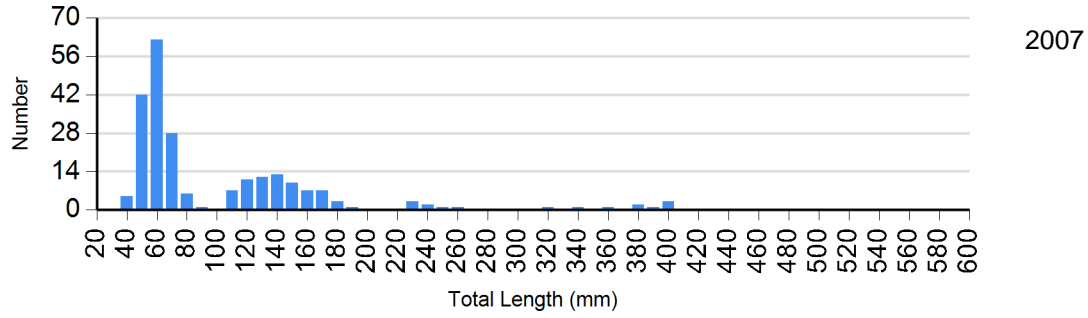


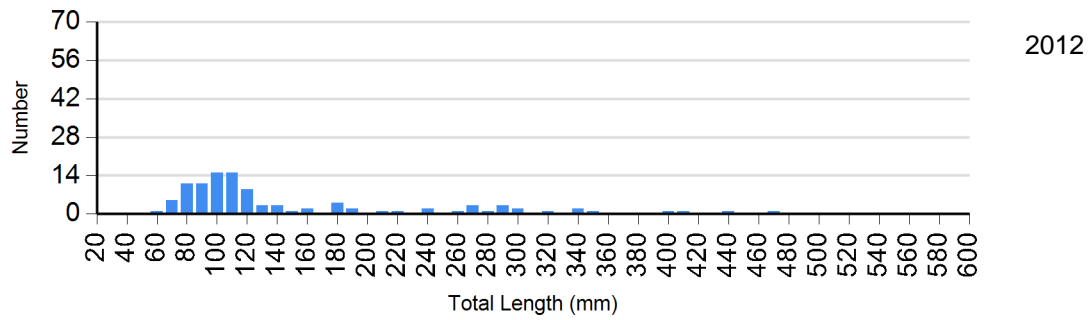
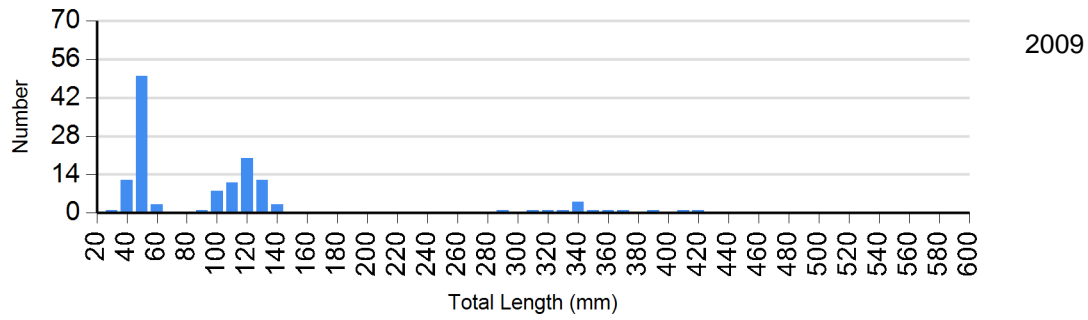
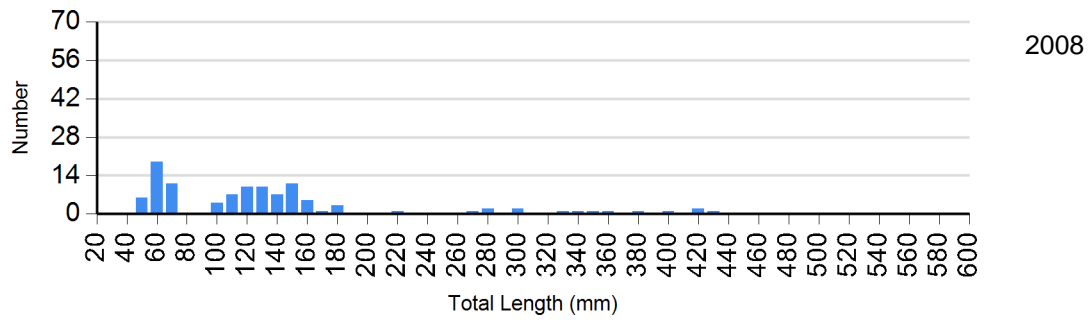


**Site: 1849**  
**Species: Brook Trout**

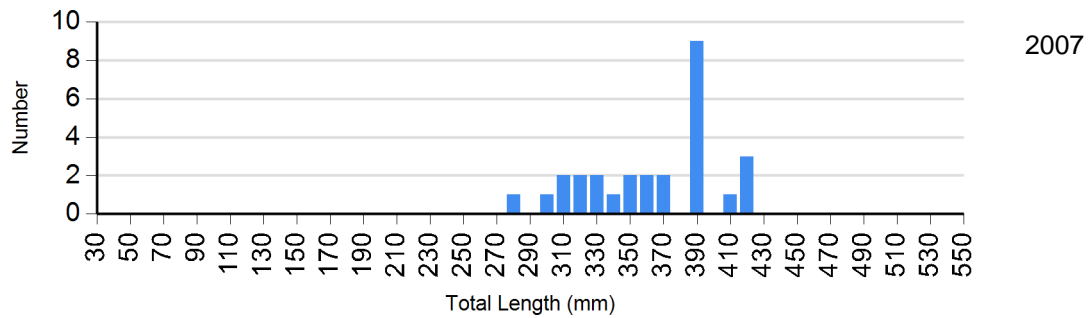


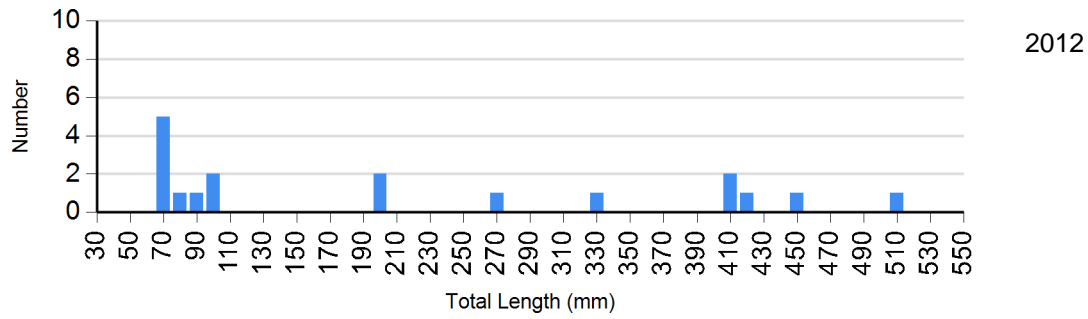
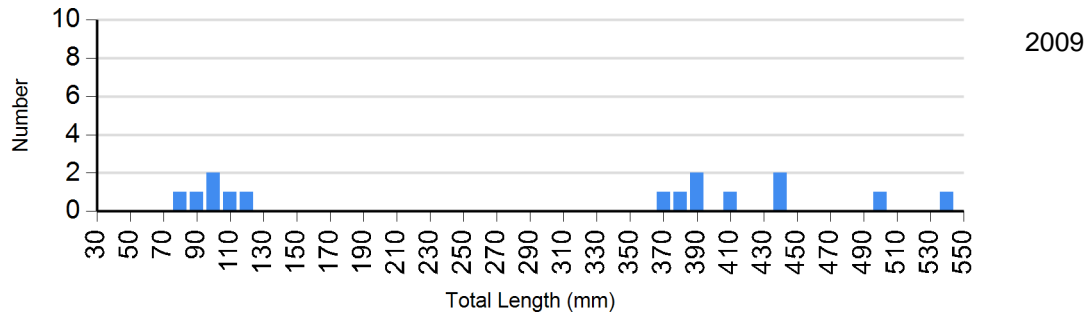
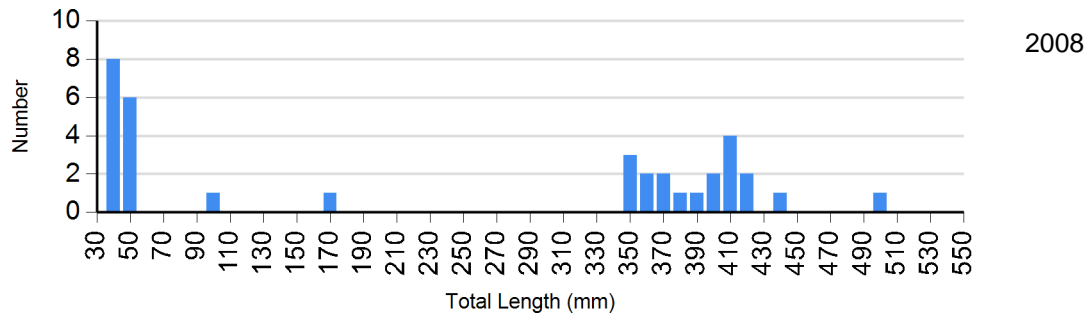
**Site: 1849**  
**Species: Brown Trout**



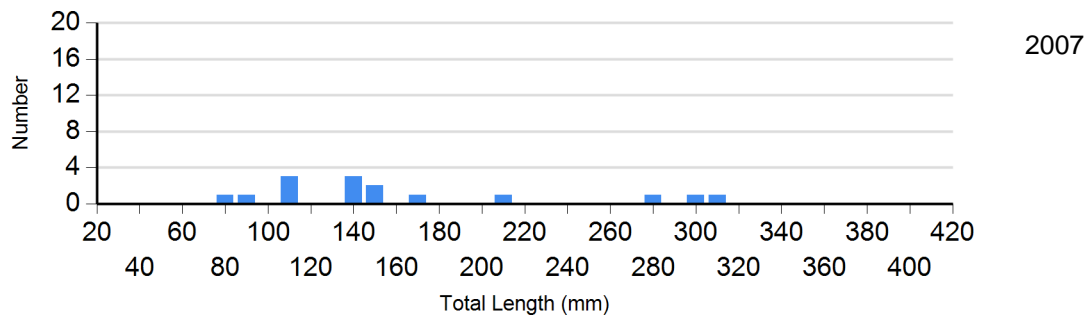


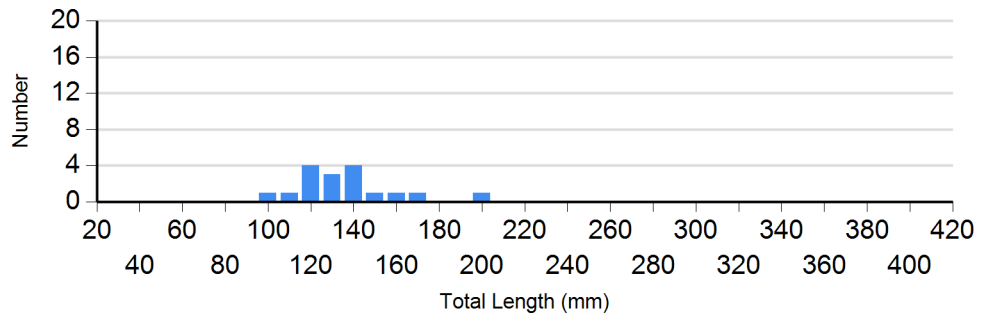
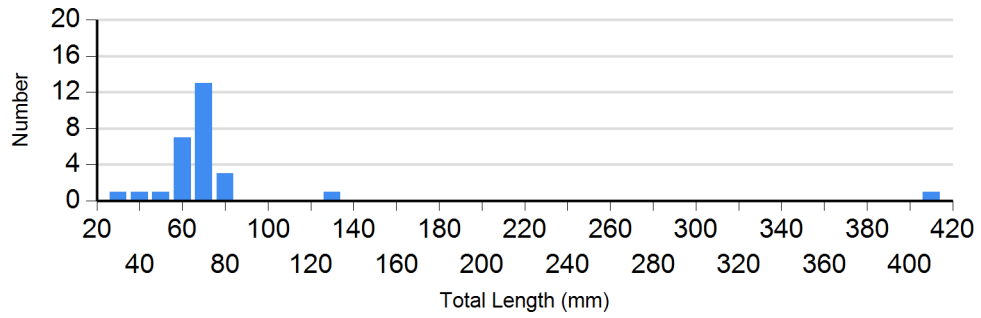
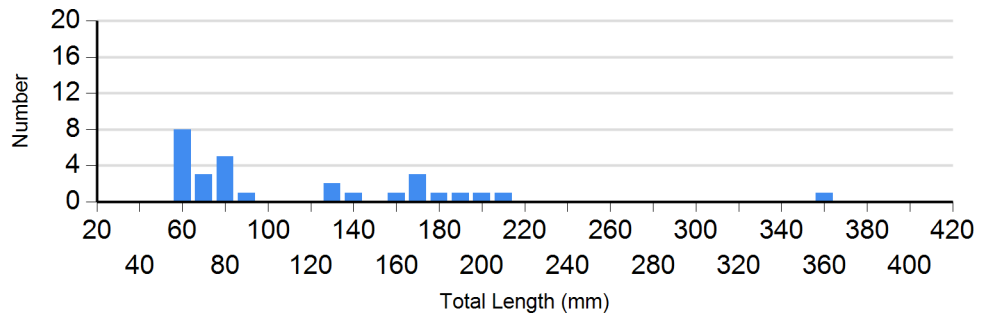
Site: 1849  
Species: Rainbow Trout



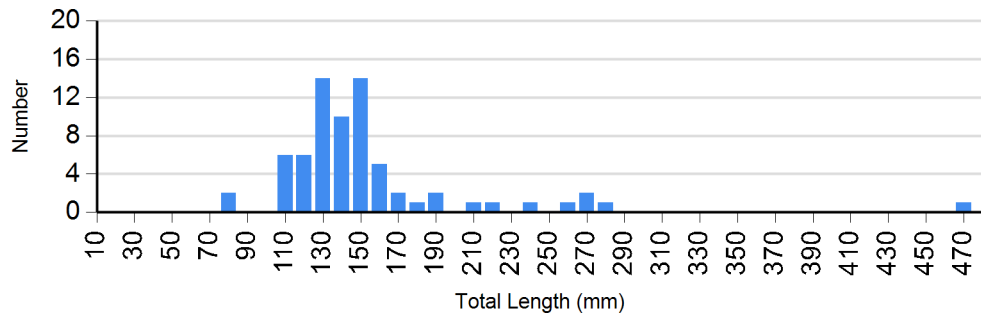


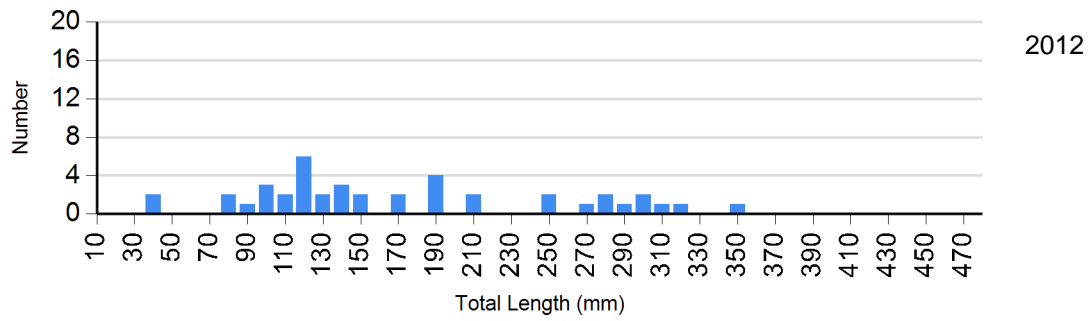
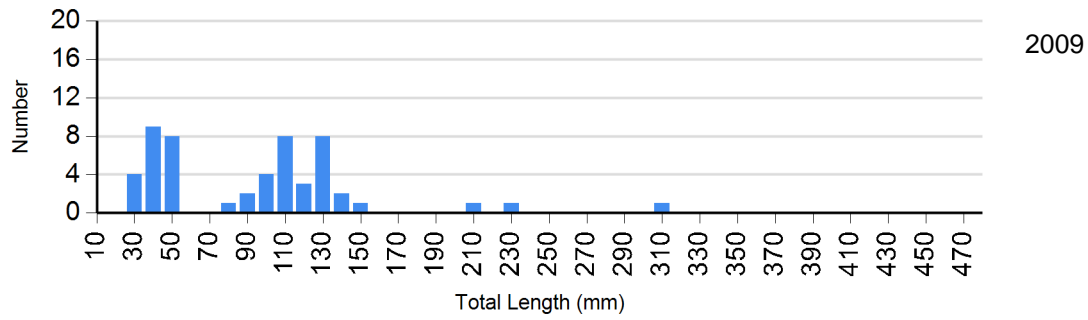
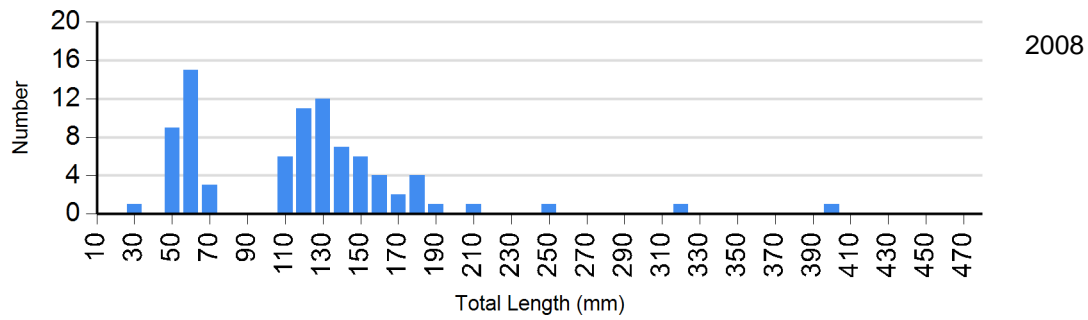
**Site:** 1853  
**Species:** Brook Trout



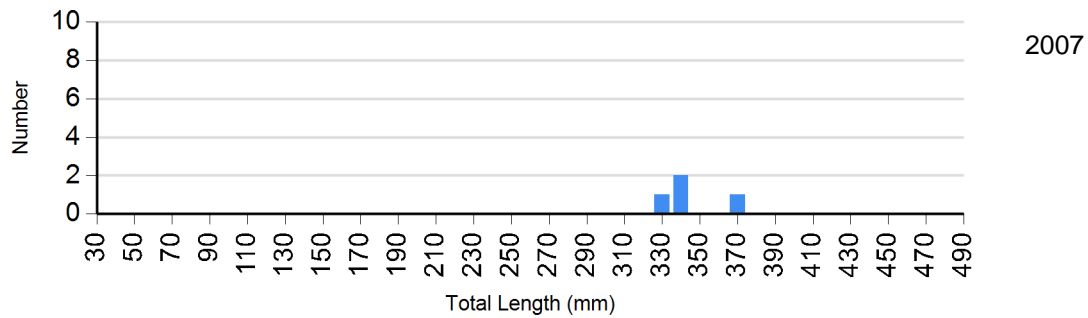


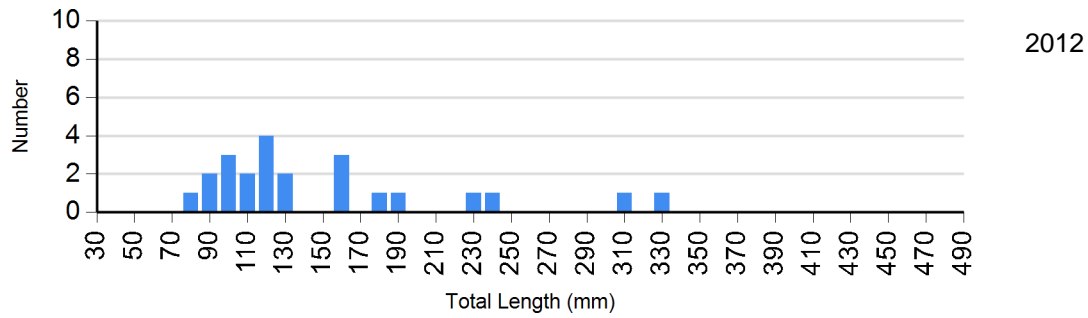
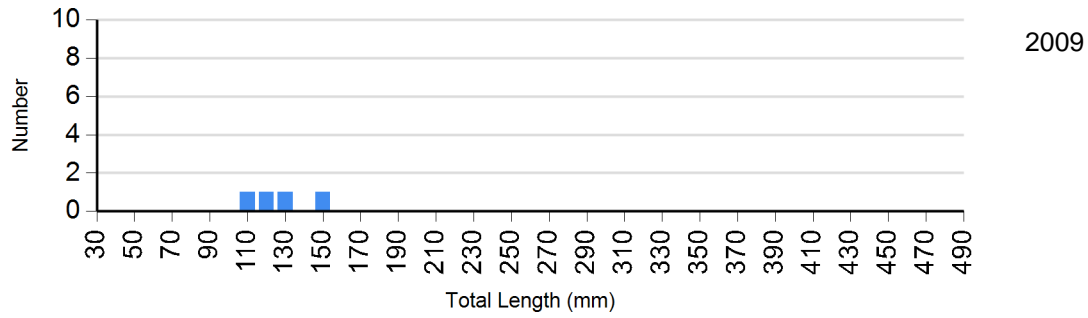
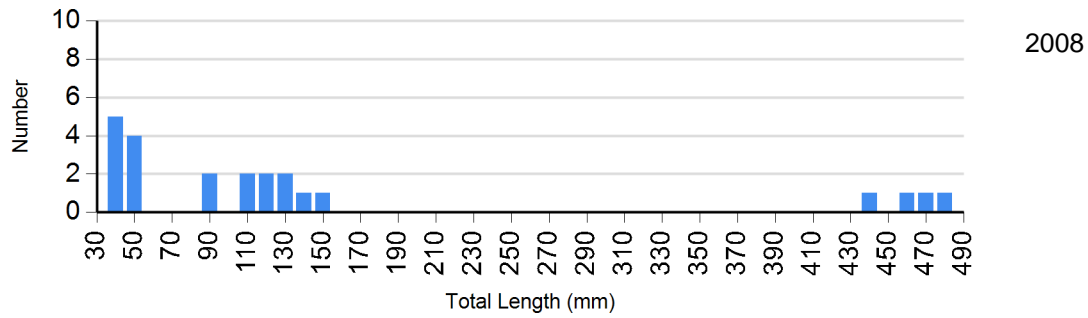
**Site:** 1853  
**Species:** Brown Trout



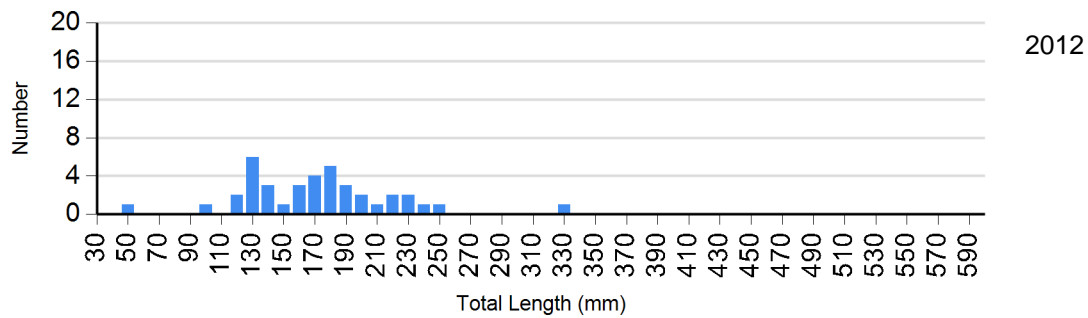


Site: 1853  
Species: Rainbow Trout

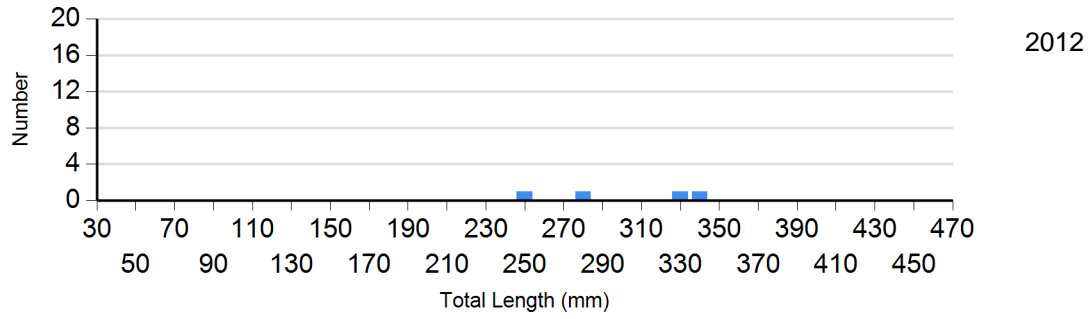




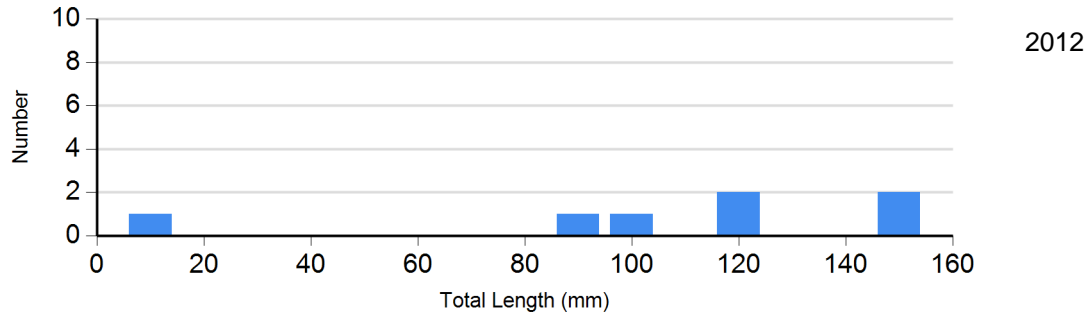
**Site:** 1936  
**Species:** Brown Trout



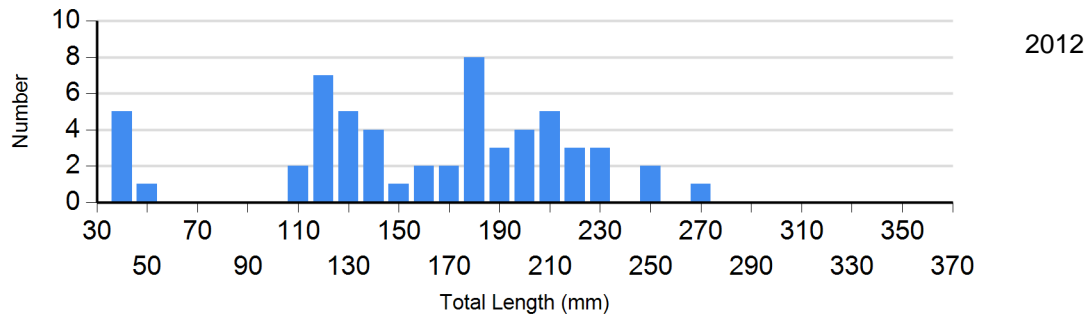
**Site:** 1936  
**Species:** Rainbow Trout



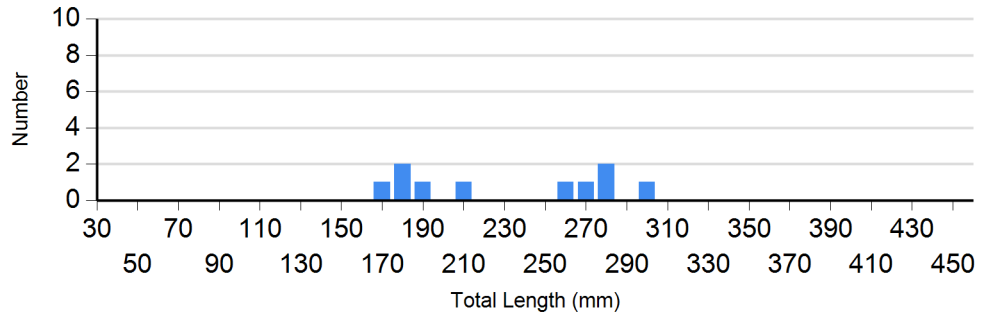
**Site:** 1936  
**Species:** Rock Bass



**Site:** 1952  
**Species:** Brown Trout

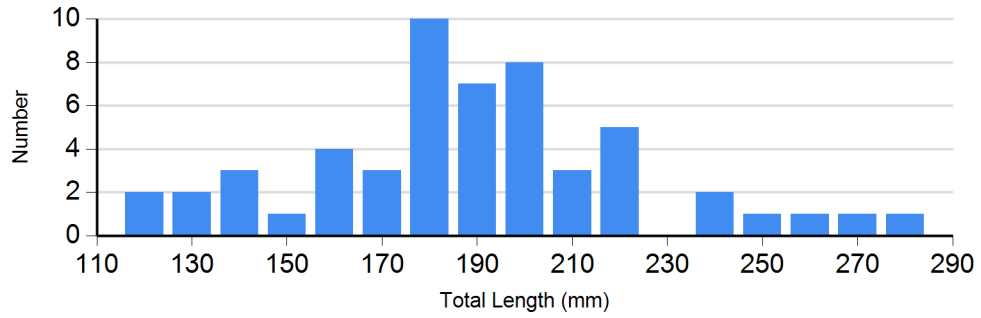


**Site:** 1952  
**Species:** Rainbow Trout



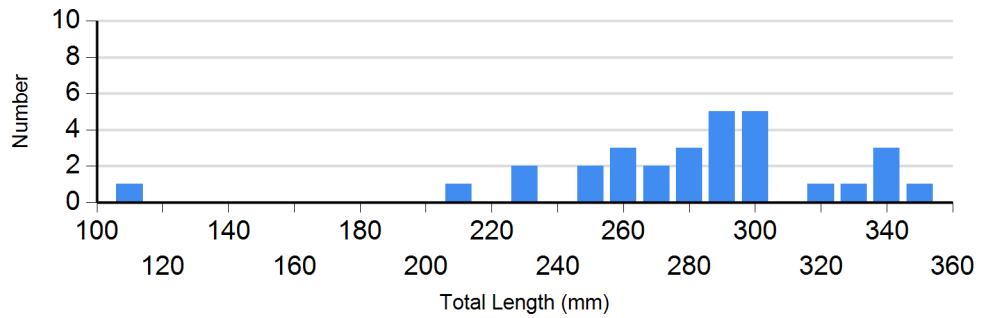
2012

**Site:** 1960  
**Species:** Brown Trout



2012

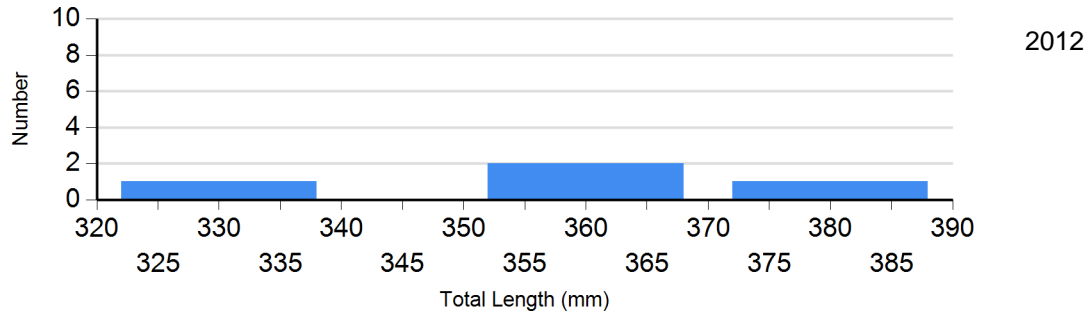
**Site:** 1960  
**Species:** Rainbow Trout



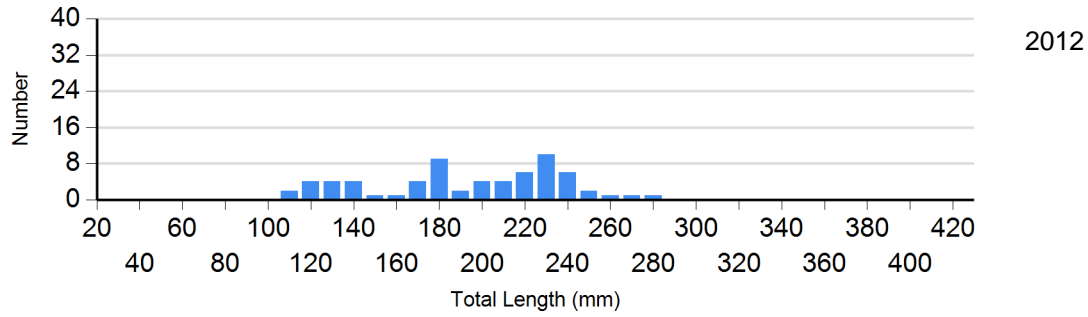
2012



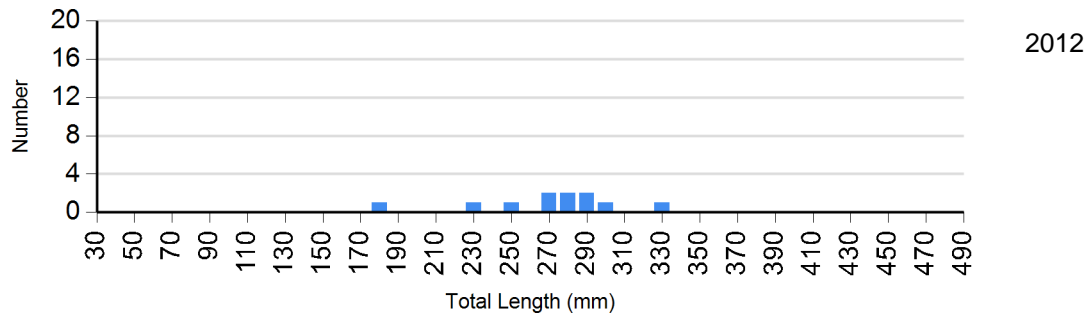
**Site:** 1960  
**Species:** White Sucker



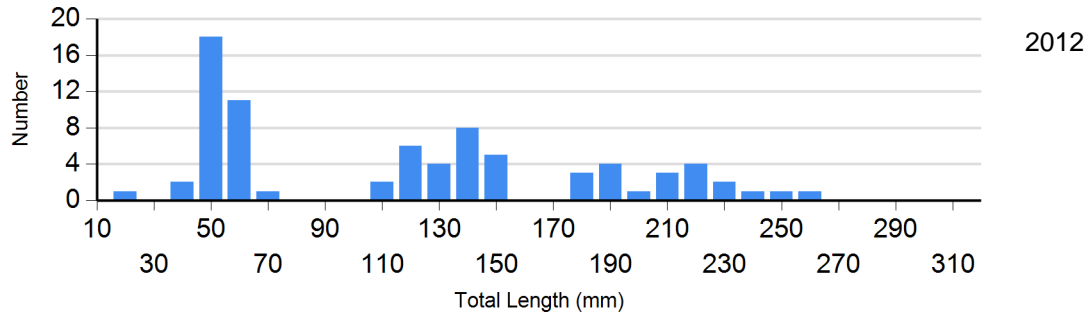
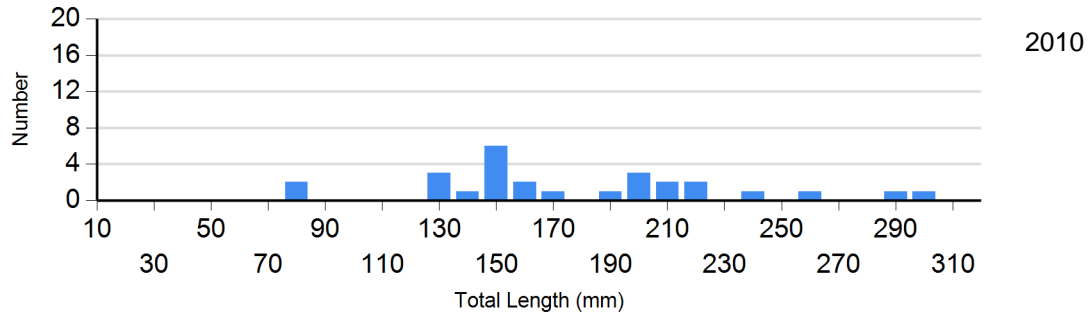
**Site:** 1965  
**Species:** Brown Trout



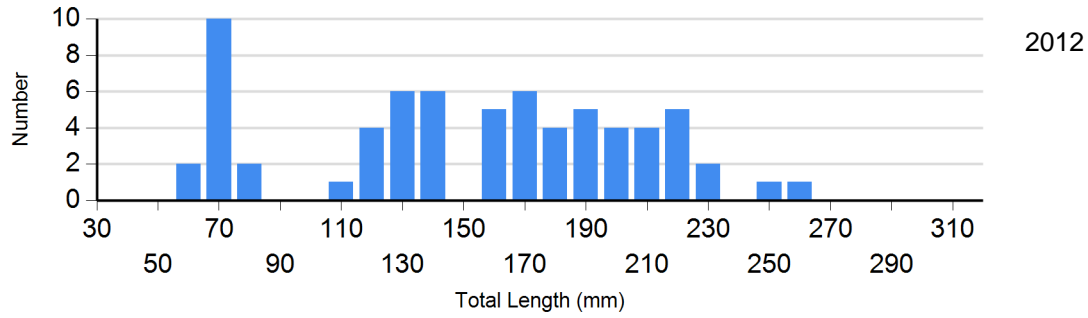
**Site:** 1965  
**Species:** Rainbow Trout



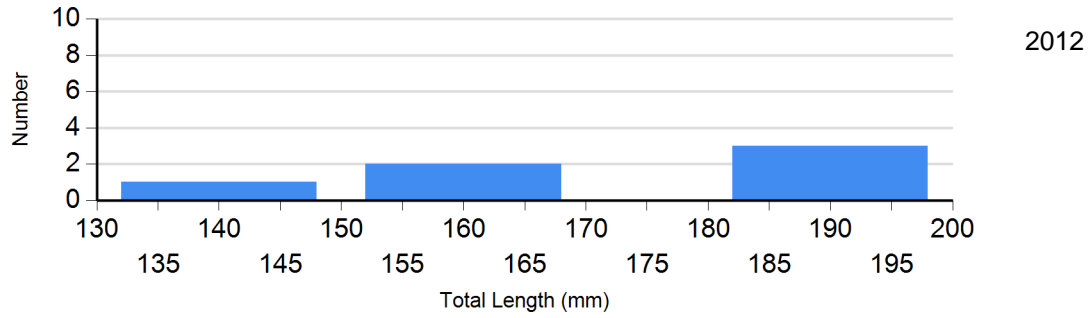
**Site:** 2100  
**Species:** Brown Trout



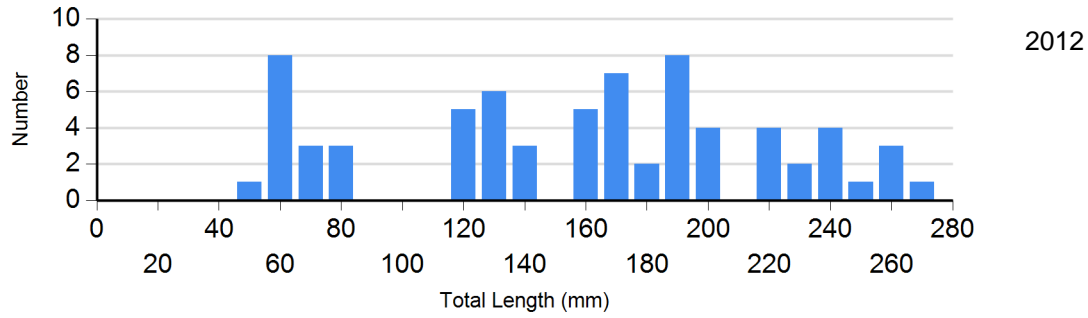
**Site:** 2133  
**Species:** Brown Trout



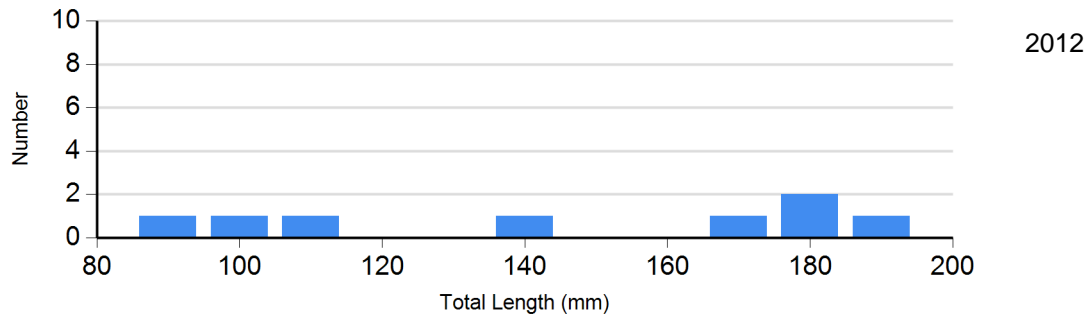
Site: 2162  
Species: Brook Trout



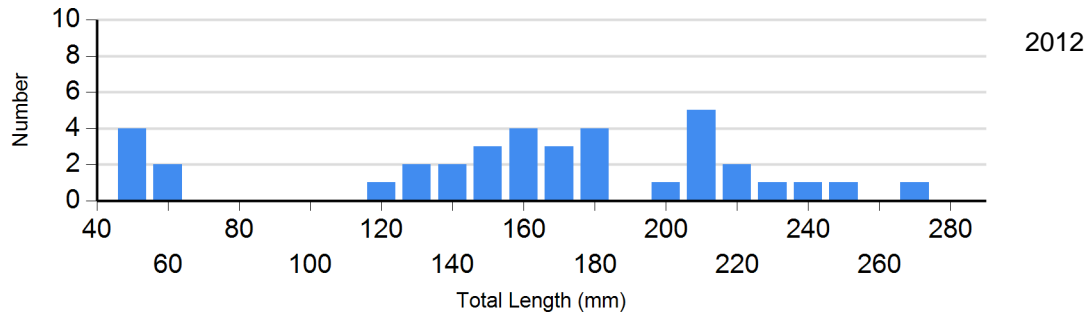
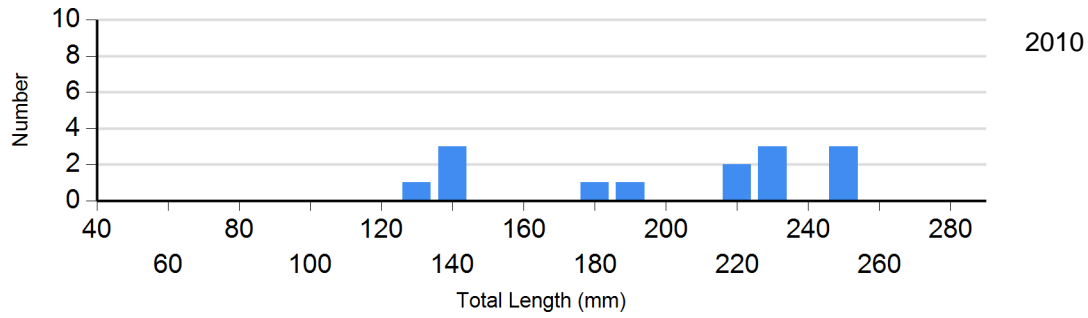
Site: 2162  
Species: Brown Trout



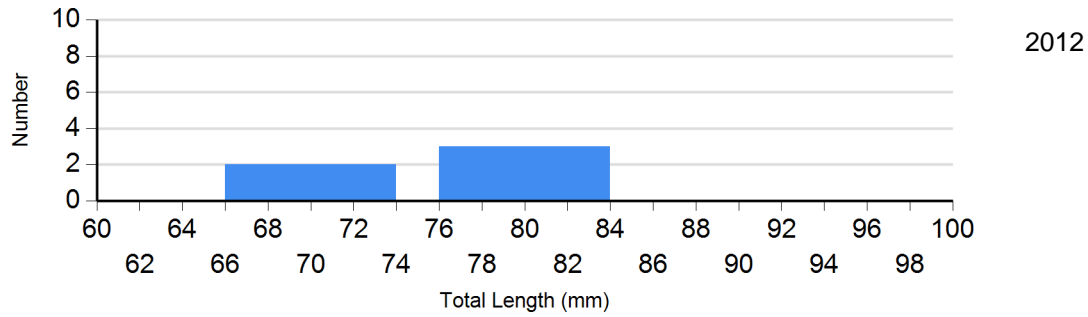
Site: 2162  
Species: Mountain Sucker



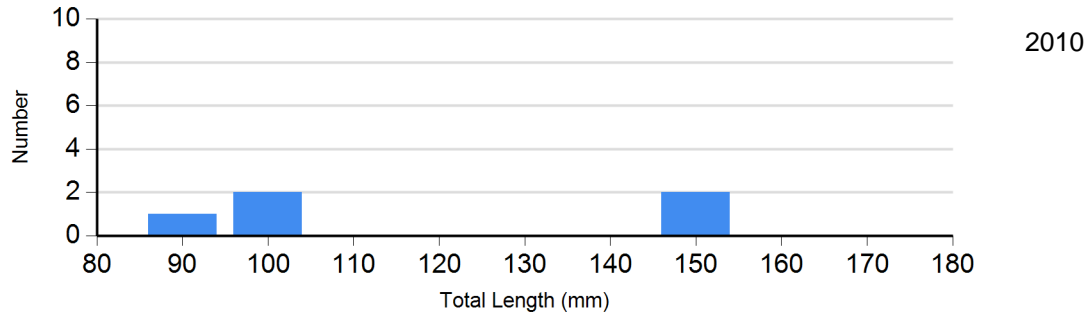
**Site:** 2189  
**Species:** Brown Trout



**Site:** 2189  
**Species:** Longnose Dace



**Site: 2189**  
**Species: Mountain Sucker**



**Site: 2189**  
**Species: White Sucker**

