

SOUTH DAKOTA BLACK HILLS COLD STREAM SURVEY
Castle Creek, Pennington County
02-0071-00
2014

Table 1. Population and Biomass Estimates for Castle Creek

Site Number: 213
Site Midpoint (Latitude, Longitude): 44.07800737, -103.71756559
Survey Completed by:
Stream Classification: BR2

Date Sampled: 07/02/2014
Site Length (m): 100
Mean Width (m): 6.0
Number of Pass: 3
Conductivity (umhos/cm):
pH:
Water Temperature (C):
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	486	20	290	197	17.76	467	140.4	40.9
Brown Trout	>=200mm	14	14	15	14	235	22	140	95	20.05	225	219.9	95.6
Brown Trout	All	43	43	45	43	721	44	430	292	39.67	692	166.3	61.6

Site Number: 220
Site Midpoint (Latitude, Longitude): 44.08082240, -103.71731458
Survey Completed by: South Dakota Game, Fish and Parks
Stream Classification: BR2, RB0

Date Sampled: 07/03/2014
Site Length (m): 100
Mean Width (m): 5.3
Number of Pass: 3
Conductivity (umhos/cm):
pH:
Water Temperature (C):
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	31	36	46	31	673	29	360	273	26.12	579	141.0	43.4
Brown Trout	>=200mm	8	8	9	8	150	14	80	61	12.08	129	214.8	90.4
Brown Trout	All	39	43	51	39	804	45	430	326	39.90	692	156.2	55.5
Rainbow Trout	<200mm	2	2	4	2	37	1	20	15	0.92	32	141.5	27.5
Rainbow Trout	All	2	2	4	2	37	1	20	15	0.92	32	141.5	27.5
White Sucker	All	3	3	3	3	56	24	30	23	21.43	48	333.3	427.7

Site Number: 356
Site Midpoint (Latitude, Longitude): 44.05717425, -103.76307493
Survey Completed by: South Dakota Game, Fish and Parks
Stream Classification: BK2, BR1

Date Sampled: 05/30/2014
Site Length (m): 100
Mean Width (m): 6.0
Number of Pass: 3
Conductivity (umhos/cm):
pH:
Water Temperature (C):
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	11	11	12	11	183	8	110	74	7.16	177	126.5	43.9
Brook Trout	>=200mm	7	8	14	7	133	13	80	54	11.99	129	215.4	101.0
Brook Trout	All	18	19	23	18	316	23	190	128	20.42	306	161.1	72.4
Brown Trout	<200mm	21	21	23	21	349	22	210	141	19.34	338	156.4	62.1
Brown Trout	>=200mm	27	27	28	27	449	94	270	182	84.30	434	266.2	210.4
Brown Trout	All	48	49	52	48	814	125	490	330	111.31	788	218.1	153.1

Site Number: 373
Site Midpoint (Latitude, Longitude): 44.05014956, -103.77144194
Survey Completed by:
Stream Classification: BK1, BR2

Date Sampled: 05/23/2014
Site Length (m): 100
Mean Width (m): 6.1
Number of Pass: 3
Conductivity (umhos/cm):
pH:
Water Temperature (C):
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	38	45	58	38	737	42	450	298	37.26	724	126.9	56.6
Brook Trout	>=200mm	23	59	202	23	966	117	590	391	104.83	949	222.2	121.6
Brook Trout	All	61	88	128	61	1440	135	880	583	120.87	1416	162.9	94.0
Brown Trout	<200mm	69	74	82	69	1211	78	740	491	69.39	1191	136.4	64.2
Brown Trout	>=200mm	18	18	19	18	295	67	180	119	59.68	290	263.6	226.8
Brown Trout	All	87	92	99	87	1506	174	920	610	155.34	1480	162.7	115.5

Site Number: 379
Site Midpoint (Latitude, Longitude): 44.04695810, -103.77288355
Survey Completed by: South Dakota Game, Fish and Parks
Stream Classification: BK3, BR2

Date Sampled: 06/25/2014
Site Length (m): 100
Mean Width (m): 5.2
Number of Pass: 4
Conductivity (umhos/cm):
pH:
Water Temperature (C):
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	13	15	22	13	288	4	150	117	3.98	241	101.8	15.5
Brook Trout	>=200mm	1	1	1	1	19	2	10	8	1.97	16	215.0	115.0
Brook Trout	All	14	15	19	14	288	7	150	117	6.12	241	109.9	23.8
Brown Trout	<200mm	20	20	21	20	385	19	200	156	16.68	322	149.7	48.6
Brown Trout	>=200mm	11	11	13	11	212	43	110	86	38.65	177	250.8	204.6
Brown Trout	All	31	31	33	31	596	63	310	241	56.32	499	185.5	105.8

Site Number: 384
Site Midpoint (Latitude, Longitude): 44.04396904, -103.77363060
Survey Completed by: South Dakota Game, Fish and Parks
Stream Classification: BK2, BR1

Date Sampled: 05/27/2014
Site Length (m): 100
Mean Width (m): 5.8
Number of Pass: 4
Conductivity (umhos/cm):
pH:
Water Temperature (C):
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	34	35	39	34	607	19	350	246	17.04	563	114.7	31.4
Brook Trout	>=200mm	16	17	21	16	295	39	170	119	34.57	274	228.1	131.3
Brook Trout	All	50	54	61	50	937	72	540	379	64.46	869	151.0	77.1
Brown Trout	<200mm	41	72	136	41	1249	65	720	506	58.16	1158	122.8	52.1
Brown Trout	>=200mm	33	51	88	33	885	200	510	358	178.20	821	267.2	225.5
Brown Trout	All	74	131	218	74	2273	359	1310	921	320.87	2108	187.2	158.1

Site Number: 388
Site Midpoint (Latitude, Longitude): 44.04338453, -103.77130517
Survey Completed by:
Stream Classification: BK2, BR2

Date Sampled: 05/27/2014
Site Length (m): 100
Mean Width (m): 6.3
Number of Pass: 4
Conductivity (umhos/cm):
pH:
Water Temperature (C):
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	23	23	24	23	367	13	230	149	12.03	370	114.2	36.7
Brook Trout	>=200mm	5	5	7	5	80	9	50	32	8.07	80	222.4	113.2
Brook Trout	All	28	28	30	28	447	28	280	181	24.83	451	133.5	62.2
Brown Trout	<200mm	29	29	30	29	463	24	290	188	21.02	467	138.3	50.9
Brown Trout	>=200mm	18	18	19	18	287	55	180	116	48.81	290	251.2	190.2
Brown Trout	All	47	47	49	47	750	88	470	304	78.30	756	181.6	116.9

Site Number: 410
Site Midpoint (Latitude, Longitude): 44.03214464, -103.77869838
Survey Completed by:
Stream Classification: BK1, BR1

Date Sampled: 05/20/2014
Site Length (m): 100
Mean Width (m): 6.6
Number of Pass: 3
Conductivity (umhos/cm):
pH:
Water Temperature (C):
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	32	35	42	32	529	28	350	214	25.07	563	110.4	53.1
Brook Trout	>=200mm	26	33	49	26	499	73	330	202	65.17	531	235.0	146.4
Brook Trout	All	58	70	87	58	1058	125	700	428	112.05	1126	166.3	118.6
Brown Trout	<200mm	42	48	59	42	725	37	480	294	33.13	772	150.4	51.2
Brown Trout	>=200mm	28	32	41	28	484	94	320	196	84.19	515	259.0	195.0
Brown Trout	All	70	82	98	70	1239	140	820	502	125.15	1319	193.8	113.1

Site Number: 417
Site Midpoint (Latitude, Longitude): 44.03016917, -103.78286708
Survey Completed by: South Dakota Game, Fish and Parks
Stream Classification: BK1, BR1

Date Sampled: 05/19/2014
Site Length (m): 100
Mean Width (m): 6.3
Number of Pass: 3
Conductivity (umhos/cm):
pH:
Water Temperature (C):
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	19	19	21	19	301	15	190	122	13.37	306	147.9	49.8
Brook Trout	>=200mm	79	83	89	79	1314	200	830	532	178.17	1335	248.7	151.9
Brook Trout	All	98	103	110	98	1630	220	1030	660	196.07	1657	229.2	134.7
Brown Trout	<200mm	32	39	53	32	617	33	390	250	29.15	628	155.1	52.9
Brown Trout	>=200mm	23	26	34	23	412	79	260	167	70.85	418	254.0	192.8
Brown Trout	All	55	67	85	55	1060	124	670	429	111.03	1078	196.5	117.3
White Sucker	All	1	1	1	1	16	1	10	6	0.72	16	172.0	51.0

Site Number: 417
Site Midpoint (Latitude, Longitude): 44.03016917, -103.78286708
Survey Completed by:
Stream Classification: BK1, BR1

Date Sampled: 05/19/2014
Site Length (m): 100
Mean Width (m): 6.3
Number of Pass: 3
Conductivity (umhos/cm):
pH:
Water Temperature (C):
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	21	21	22	21	332	19	210	135	17.25	338	148.7	58.1
Brook Trout	>=200mm	77	81	87	77	1282	192	810	519	171.12	1303	245.3	149.5
Brook Trout	All	98	102	108	98	1614	215	1020	654	191.67	1641	224.6	133.0
Brown Trout	<200mm	32	40	56	32	633	33	400	256	29.76	644	156.3	52.6
Brown Trout	>=200mm	23	25	31	23	396	79	250	160	70.87	402	258.0	200.6

Brown Trout	All	55	67	85	55	1060	127	670	429	113.03	1078	198.8	119.4
White Sucker	All	1	1	1	1	16	1	10	6	0.72	16	172.0	51.0

Site Number: 483

Site Midpoint (Latitude, Longitude): 44.02086149, -103.83725124

Survey Completed by: South Dakota Game, Fish and Parks

Stream Classification: BK2, RB1

Date Sampled: 06/19/2014

Site Length (m): 100

Mean Width (m): 2.7

Number of Pass: 3

Conductivity (umhos/cm): 422

pH: 8.5

Water Temperature (C): 15.0

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	86	94	104	86	3435	104	940	1391	92.88	1512	133.8	30.3
Brook Trout	>=200mm	10	10	12	10	365	36	100	148	31.85	161	214.8	97.6
Brook Trout	All	96	106	118	96	3874	145	1060	1569	129.25	1706	142.2	37.4
Rainbow Trout	<200mm	14	25	67	14	914	32	250	370	28.73	402	137.8	35.2
Rainbow Trout	>=200mm	11	11	13	11	402	88	110	163	78.70	177	286.9	219.3
Rainbow Trout	All	25	31	45	25	1133	132	310	459	117.54	499	203.4	116.2

Site Number: 515

Site Midpoint (Latitude, Longitude): 44.03404890, -103.84985340

Survey Completed by: South Dakota Game, Fish and Parks

Stream Classification: BK2, RB2

Date Sampled: 07/01/2014

Site Length (m): 100

Mean Width (m): 3.2

Number of Pass: 3

Conductivity (umhos/cm): 431

pH: 8.0

Water Temperature (C): 8.0

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	207	228	245	211	7105	207	2280	2877	184.45	3669	122.0	29.1
Brook Trout	>=200mm	3	3	3	3	93	11	30	38	10.07	48	216.0	120.7
Brook Trout	All	210	230	246	214	7167	219	2300	2903	195.47	3701	123.3	30.5
Rainbow Trout	<200mm	8	9	14	8	280	10	90	114	8.89	145	138.3	35.5

Rainbow Trout >=200mm	1	1	1	1	31	3	10	13	2.56	16	200.0	92.0
Rainbow Trout All	9	9	11	9	280	12	90	114	10.46	145	145.1	41.8

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 Castle Creek, 2004-2014

Site 213

Species/Size	Date	Pop Est.	(95% C.I.)	Stream Classification
Brown Trout <200mm	Jun 09, 2009	16	16-17	
	Jul 02, 2014	29	29-31	
Brown Trout >=200mm	Jun 09, 2009	4	4-5	BR2
	Jul 02, 2014	14	14-15	BR2
Rainbow Trout >=200mm	Jun 09, 2009	1	1-1	RB2
White Sucker	Jun 09, 2009	1	1-2	

Site 220

Species/Size	Date	Pop Est.	(95% C.I.)	Stream Classification
Brown Trout <200mm	Jul 09, 2009	36	35-39	
	Jul 03, 2014	36	31-46	
Brown Trout >=200mm	Jul 09, 2009	3	3-4	BR2
	Jul 03, 2014	8	8-9	BR2
Rainbow Trout <200mm	Jul 03, 2014	2	2-4	
White Sucker	Jul 03, 2014	3	3-3	

Site 356

Species/Size	Date	Pop Est.	(95% C.I.)	Stream Classification
Brook Trout <200mm	May 30, 2014	11	11-12	
Brook Trout >=200mm	May 30, 2014	8	7-14	BK2
Brown Trout <200mm	May 30, 2014	21	21-23	
Brown Trout >=200mm	May 30, 2014	27	27-28	BR1

Site 373

Species/Size	Date	Pop Est.	(95% C.I.)	Stream Classification
Brook Trout <200mm	Sep 29, 2004	44	44-44	
	Sep 17, 2007	57	50-68	

Brook Trout <200mm	Sep 23, 2008	41	41-42	
	Aug 15, 2012	79	79-80	
	May 17, 2013	54	53-57	
	May 23, 2014	45	38-58	
Brook Trout >=200mm	Sep 29, 2004	7	7-7	BK2
	Sep 17, 2007	2	2-3	BK3
	Sep 23, 2008	7	7-8	BK2
	Aug 15, 2012	24	24-25	BK1
	May 17, 2013	42	42-44	BK1
	May 23, 2014	59	23-202	BK1
Brown Trout <200mm	Sep 29, 2004	138	137-141	
	Sep 17, 2007	31	26-42	
	Sep 23, 2008	30	27-37	
	Aug 15, 2012	27	27-28	
	May 17, 2013	38	33-48	
	May 23, 2014	74	69-82	

Brown Trout >=200mm	Sep 29, 2004	28	28-28	BR1
	Sep 17, 2007	15	15-16	BR2
	Sep 23, 2008	13	13-14	BR2
	Aug 15, 2012	23	23-24	BR1
	May 17, 2013	20	20-21	BR2
	May 23, 2014	18	18-19	BR2

Site 379

Species/Size	Date	Pop Est.	(95% C.I.)	Stream Classification
Brook Trout <200mm	Sep 29, 2004	91	89-95	
	Oct 01, 2007	69	69-69	
	Sep 23, 2008	5	5-5	
	Jun 25, 2014	15	13-22	
Brook Trout >=200mm	Sep 29, 2004	2	2-2	BK3
	Oct 01, 2007	1	1-1	BK3
	Sep 23, 2008	5	5-5	BK2
	Jun 25, 2014	1	1-1	BK3

Brown Trout <200mm	Sep 29, 2004	143	139-149	
	Oct 01, 2007	34	34-34	
	Sep 23, 2008	12	12-14	
	Jun 25, 2014	20	20-21	
Brown Trout >=200mm	Sep 29, 2004	16	16-16	BR3
	Oct 01, 2007	10	10-10	BR2
	Sep 23, 2008	10	10-10	BR2
	Jun 25, 2014	11	11-13	BR2

Site 384

Species/Size	Date	Pop Est.	(95% C.I.)	Stream Classification
Brook Trout <200mm	Sep 30, 2004	39	39-40	
	Sep 20, 2006	14	14-14	
	May 27, 2014	35	34-39	
Brook Trout >=200mm	Sep 30, 2004	4	4-4	BK2
	Sep 20, 2006	5	5-7	BK2
	May 27, 2014	17	16-21	BK2

Brown Trout <200mm	Sep 30, 2004	197	194-202	
	Sep 20, 2006	79	79-80	
	May 27, 2014	72	41-136	
Brown Trout >=200mm	Sep 30, 2004	40	40-41	BR1
	Sep 20, 2006	44	44-46	BR1
	May 27, 2014	51	33-88	BR1

Site 388

Species/Size	Date	Pop Est.	(95% C.I.)	Stream Classification
Brook Trout <200mm	May 27, 2014	23	23-24	
Brook Trout >=200mm	May 27, 2014	5	5-7	BK2
Brown Trout <200mm	May 27, 2014	29	29-30	
Brown Trout >=200mm	May 27, 2014	18	18-19	BR2

Site 410

Species/Size	Date	Pop Est.	(95% C.I.)	Stream Classification
Brook Trout <200mm	Aug 12, 2013	54	46-67	
	May 20, 2014	35	32-42	
Brook Trout >=200mm	Aug 12, 2013	60	56-67	BK1

Brook Trout >=200mm	May 20, 2014	33	26-49	BK1
Brown Trout <200mm	Aug 12, 2013	94	82-109	
	May 20, 2014	48	42-59	
Brown Trout >=200mm	Aug 12, 2013	58	54-65	BR1
	May 20, 2014	32	28-41	BR1
Rainbow Trout >=200mm	Aug 12, 2013	1	1-1	RB2

Site 417

Species/Size	Date	Pop Est.	(95% C.I.)	Stream Classification
Brook Trout <200mm	Sep 30, 2004	98	95-103	
	Sep 20, 2006	73	72-76	
	Jun 18, 2009	32	30-38	
	Jun 08, 2012	381	117-960	
	May 16, 2013	130	96-169	
	May 19, 2014	21	21-22	
	May 19, 2014	19	19-21	
Brook Trout >=200mm	Sep 30, 2004	122	122-123	BK1

Brook Trout >=200mm	Sep 20, 2006	93	92-96	BK1
	Jun 18, 2009	12	12-12	BK2
	Jun 08, 2012	236	221-251	BK1
	May 16, 2013	182	170-194	BK1
	May 19, 2014	81	77-87	BK1
	May 19, 2014	83	79-89	BK1
Brown Trout <200mm	Sep 30, 2004	11	11-11	
	Sep 20, 2006	50	50-52	
	Jun 18, 2009	35	26-55	
	Jun 08, 2012	6	6-7	
	May 16, 2013	17	18-22	
	May 19, 2014	39	32-53	
	May 19, 2014	40	32-56	
Brown Trout >=200mm	Sep 30, 2004	18	18-19	BR2
	Sep 20, 2006	39	39-40	BR1
	Jun 18, 2009	16	16-17	BR2

Brown Trout >=200mm	Jun 08, 2012	30	29-33	BR1
	May 16, 2013	46	46-48	BR1
	May 19, 2014	25	23-31	BR1
	May 19, 2014	26	23-34	BR1
White Sucker	Jun 08, 2012	6	6-9	
	May 16, 2013	5	5-7	
	May 19, 2014	1	1-1	
	May 19, 2014	1	1-1	

Site 483

Species/Size	Date	Pop Est.	(95% C.I.)	Stream Classification
Brook Trout <200mm	Aug 21, 2009	98	98-99	
	Jul 09, 2012	158	150-167	
	Jun 19, 2014	94	86-104	
Brook Trout >=200mm	Aug 21, 2009	5	5-5	BK2
	Jul 09, 2012	6	6-6	BK2
	Jun 19, 2014	10	10-12	BK2

Rainbow Trout <200mm	Aug 21, 2009	10	10-10	
	Jul 09, 2012	6	6-6	
	Jun 19, 2014	25	14-67	
Rainbow Trout >=200mm	Aug 21, 2009	1	1-1	RB2
	Jul 09, 2012	4	4-4	RB1
	Jun 19, 2014	11	11-13	RB1

Site 515

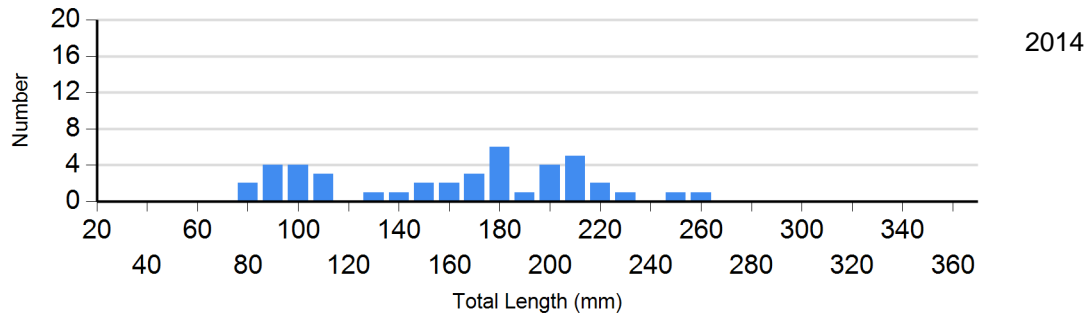
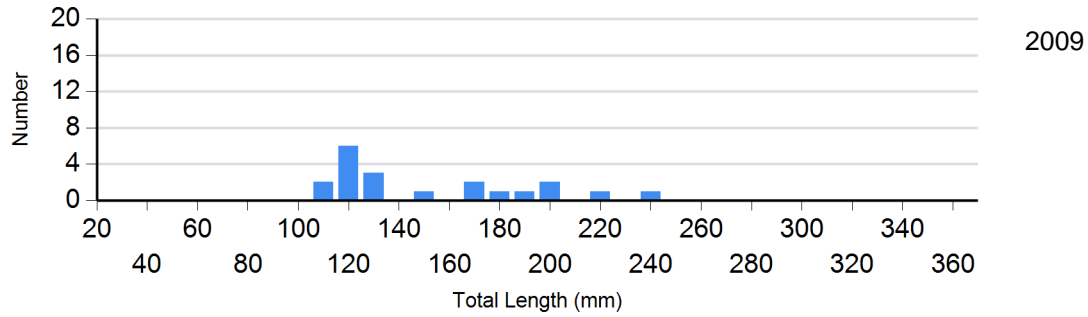
Species/Size	Date	Pop Est.	(95% C.I.)	Stream Classification
Brook Trout <200mm	Aug 26, 2009	123	101-147	
	Jul 01, 2014	228	211-245	
Brook Trout >=200mm	Jul 01, 2014	3	3-3	BK2
Rainbow Trout <200mm	Jul 01, 2014	9	8-14	
Rainbow Trout >=200mm	Jul 01, 2014	1	1-1	RB2

Length Frequency Distribution

Length frequency histogram of species sampled by year.

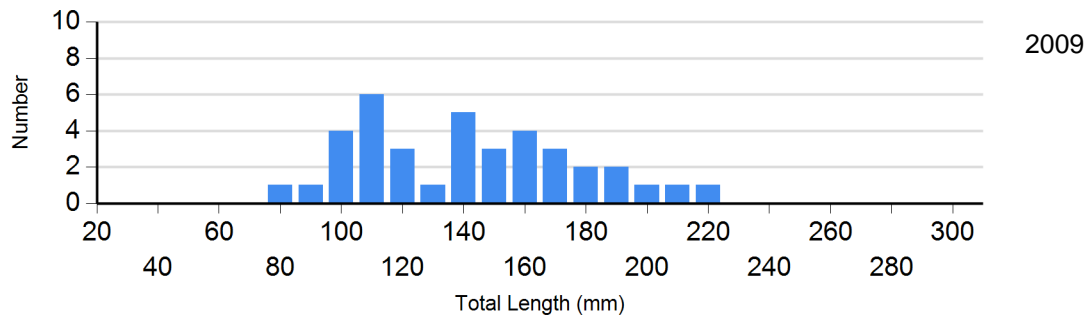
Site: 213

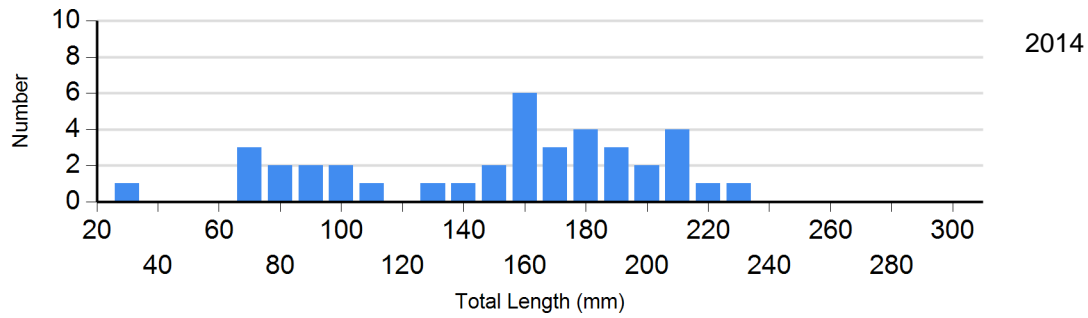
Species: Brown Trout



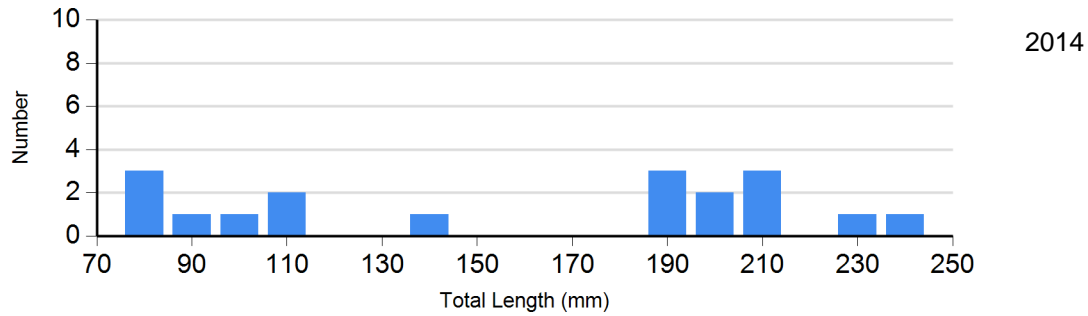
Site: 220

Species: Brown Trout

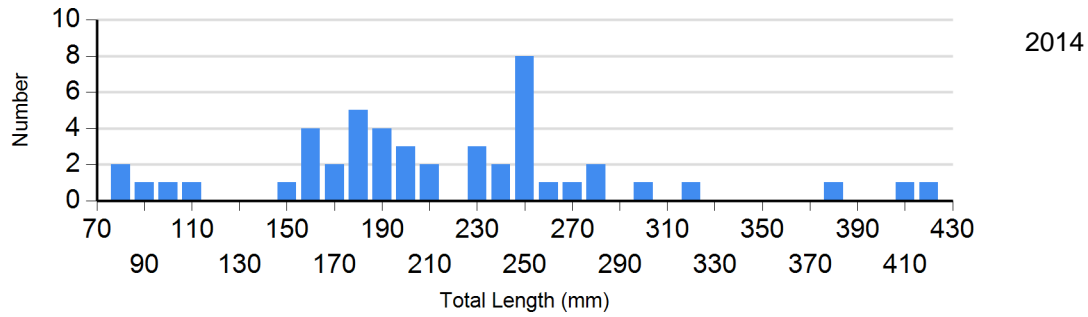




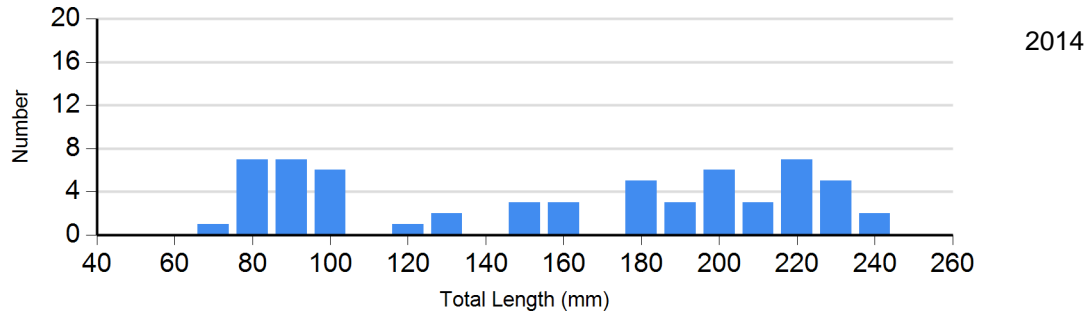
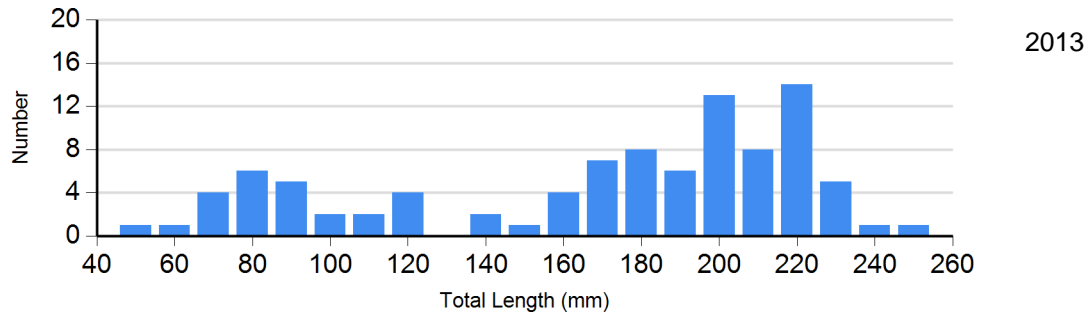
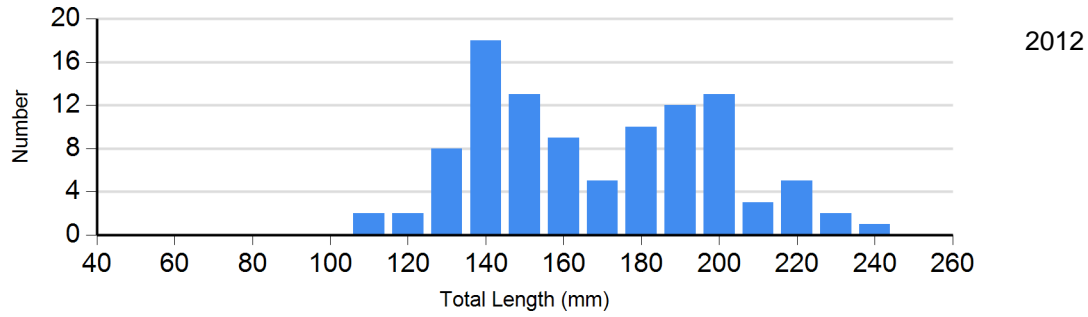
Site: 356
Species: Brook Trout



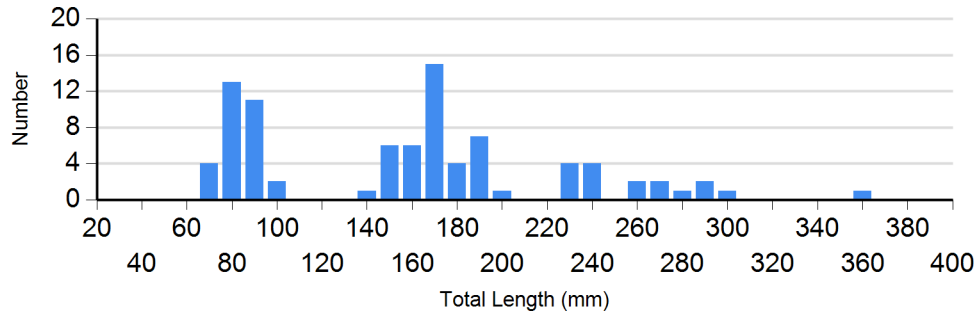
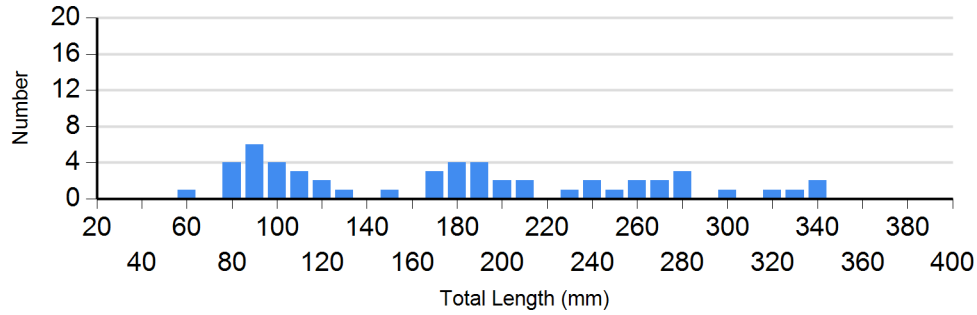
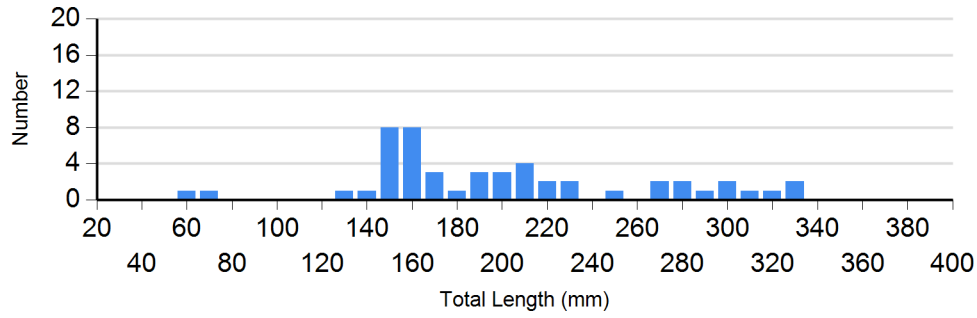
Site: 356
Species: Brown Trout



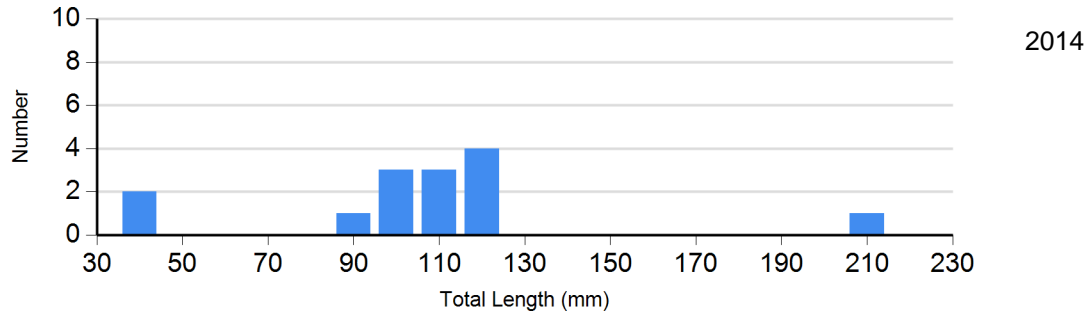
Site: 373
Species: Brook Trout



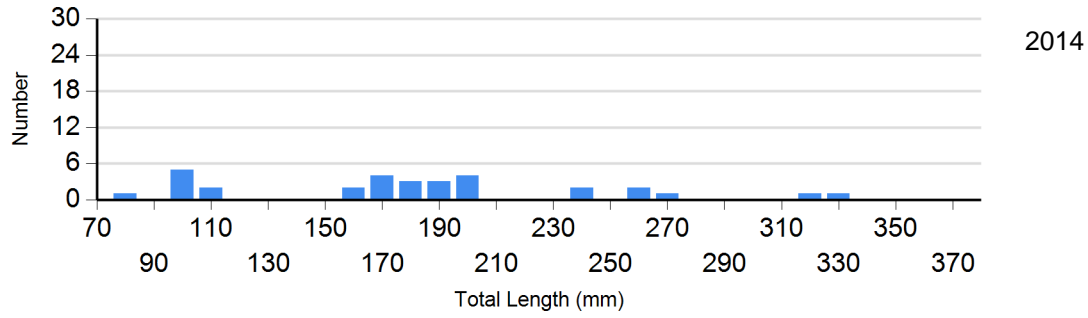
Site: 373
Species: Brown Trout



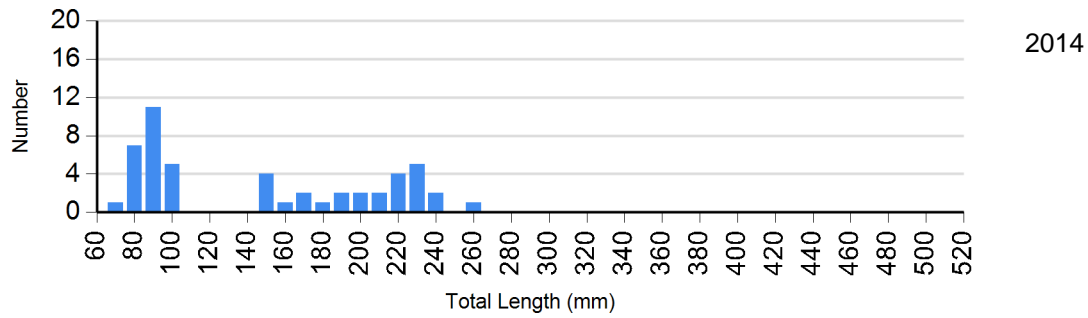
Site: 379
Species: Brook Trout



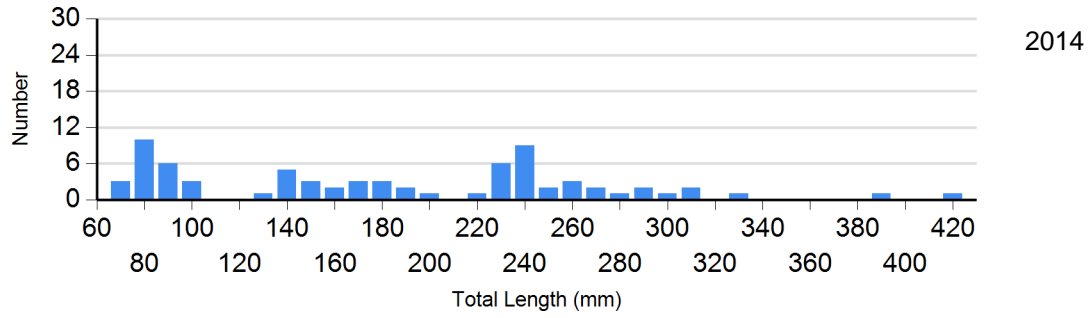
Site: 379
Species: Brown Trout



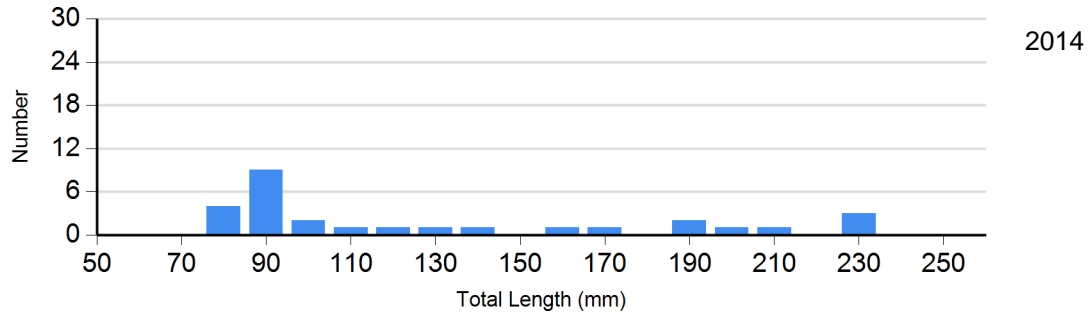
Site: 384
Species: Brook Trout



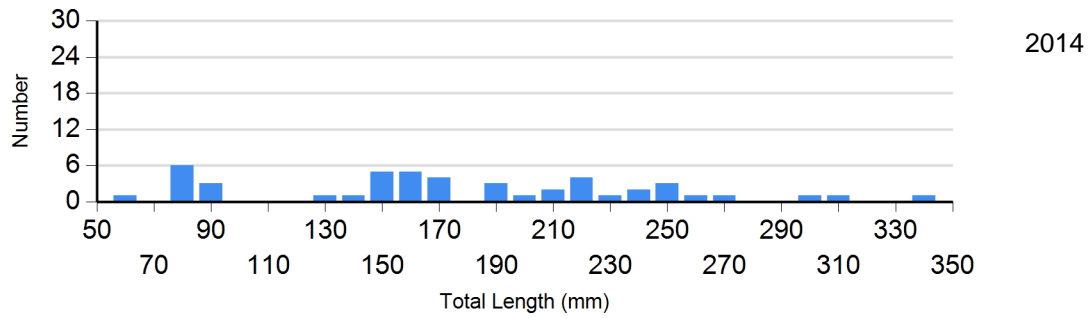
Site: 384
Species: Brown Trout



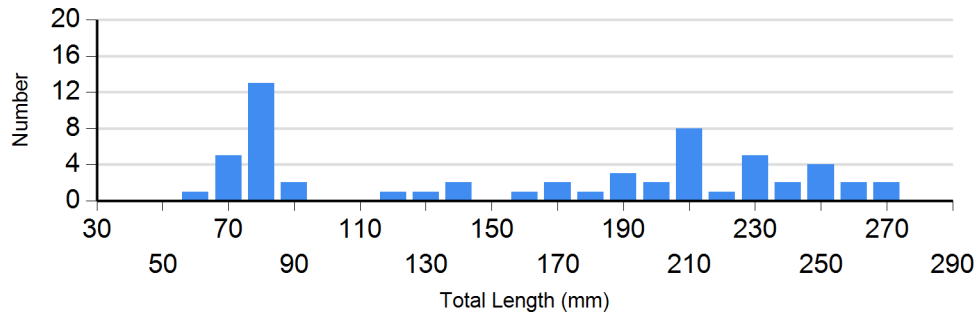
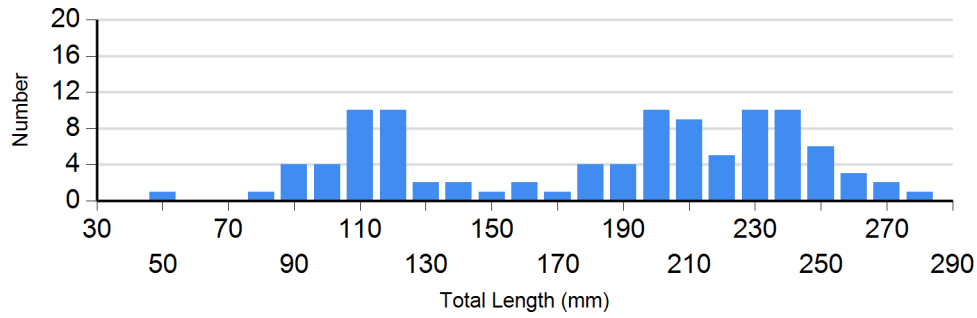
Site: 388
Species: Brook Trout



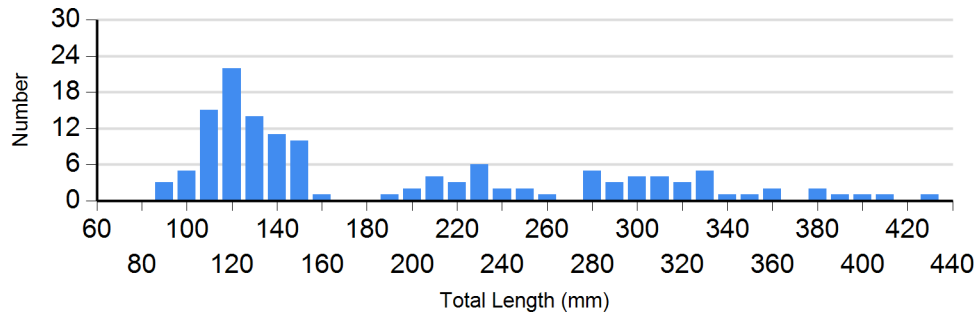
Site: 388
Species: Brown Trout

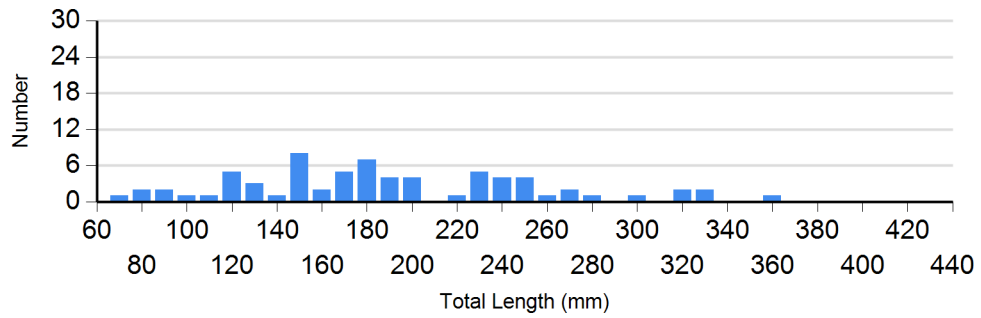


Site: 410
Species: Brook Trout

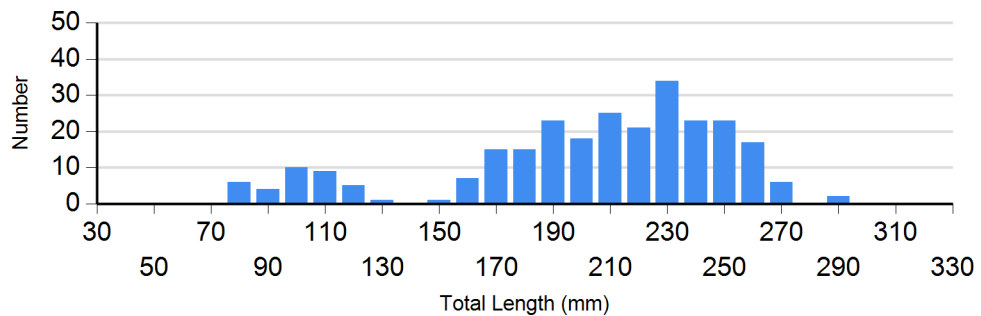
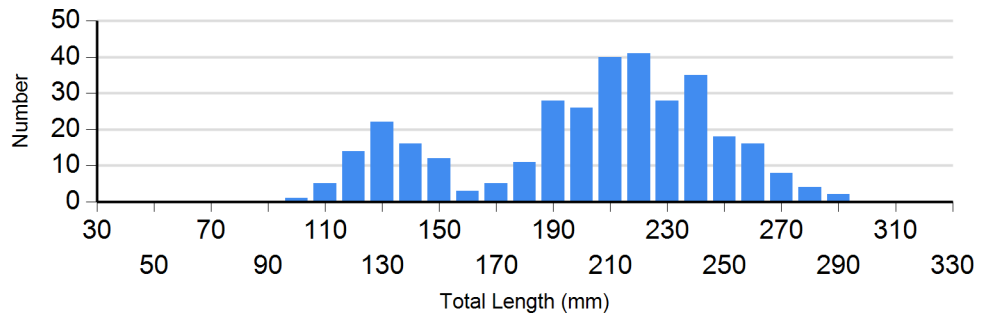
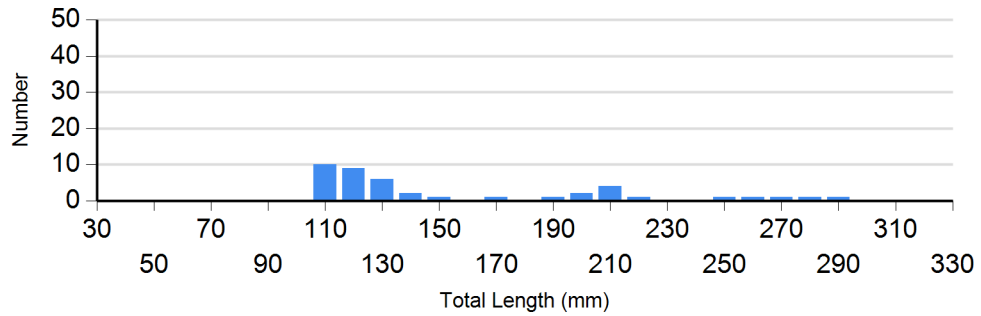


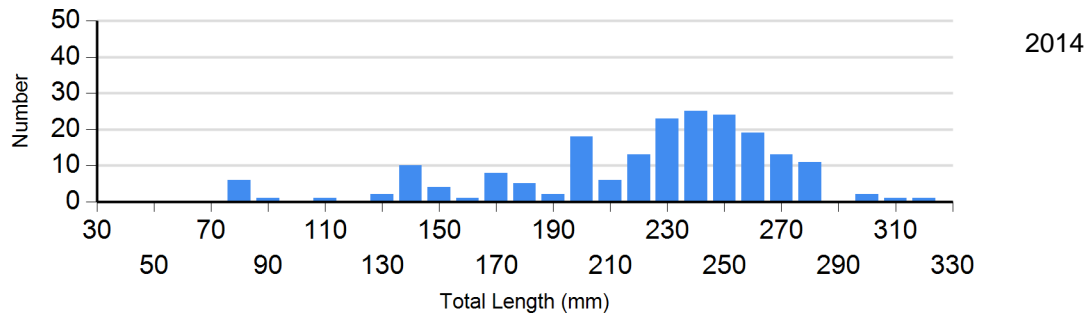
Site: 410
Species: Brown Trout



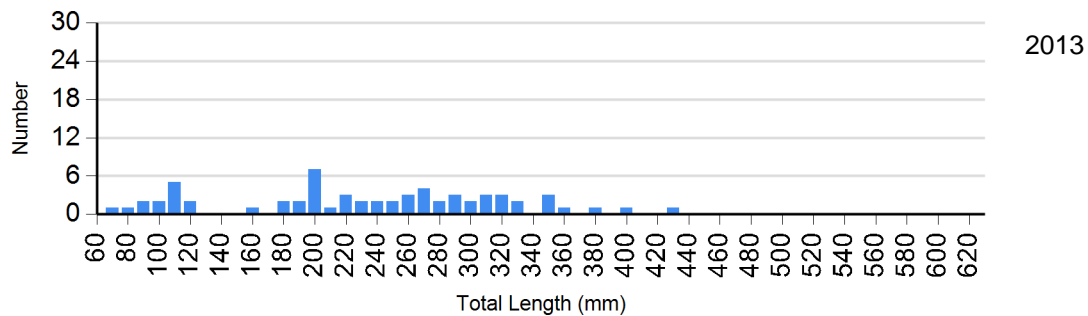
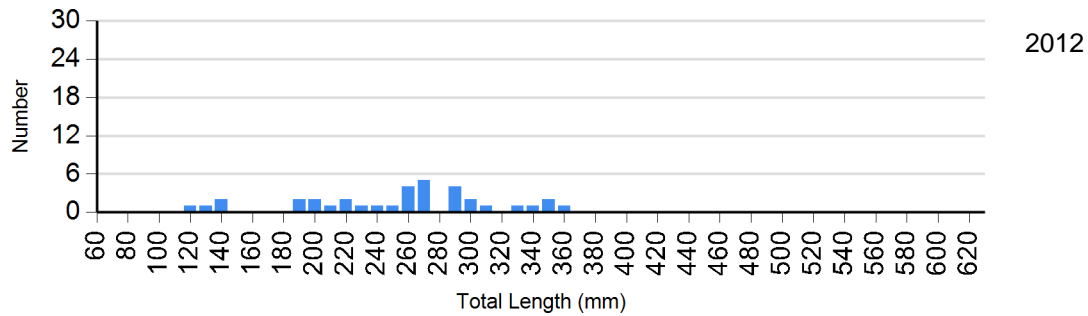
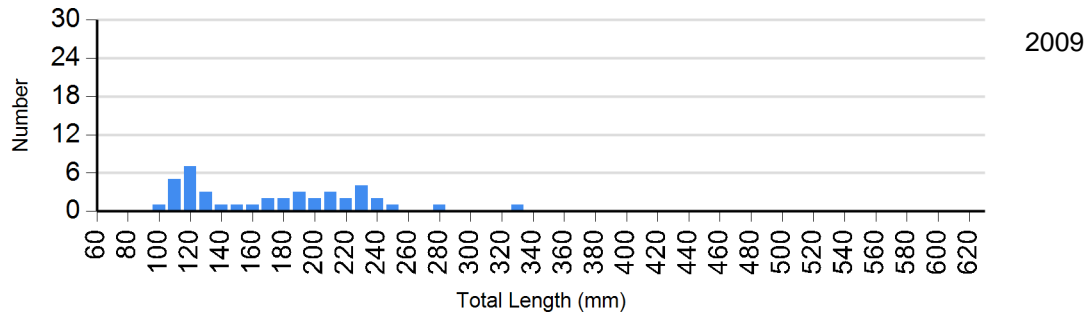


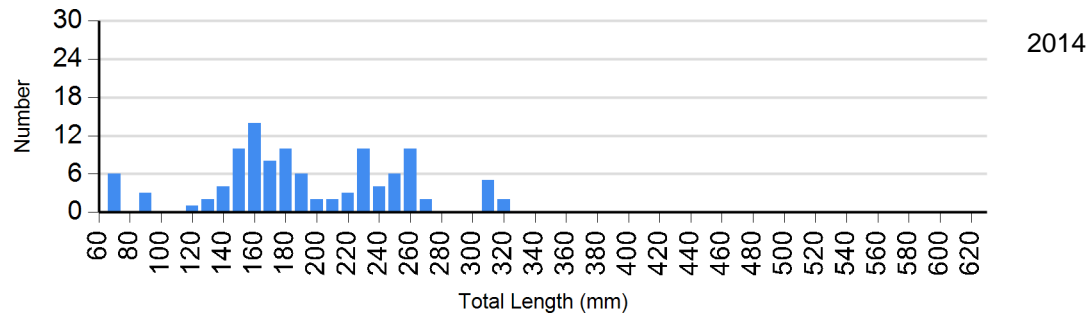
Site: 417
Species: Brook Trout



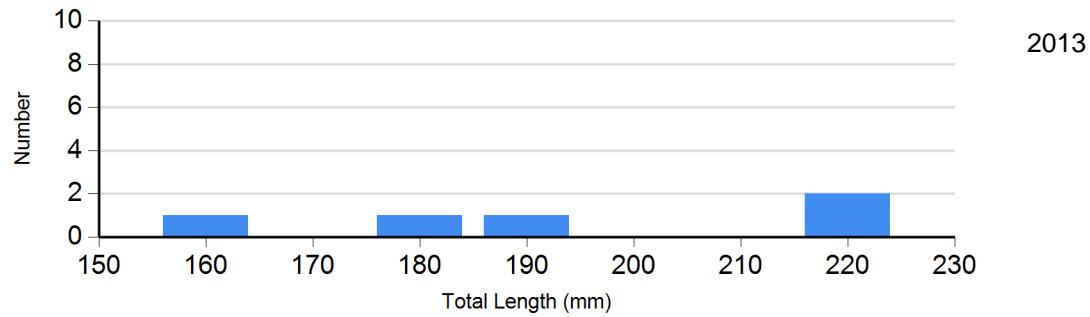
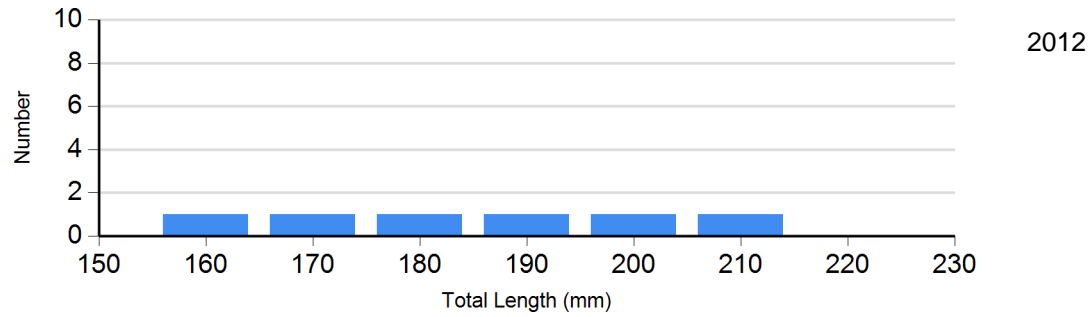


Site: 417
Species: Brown Trout

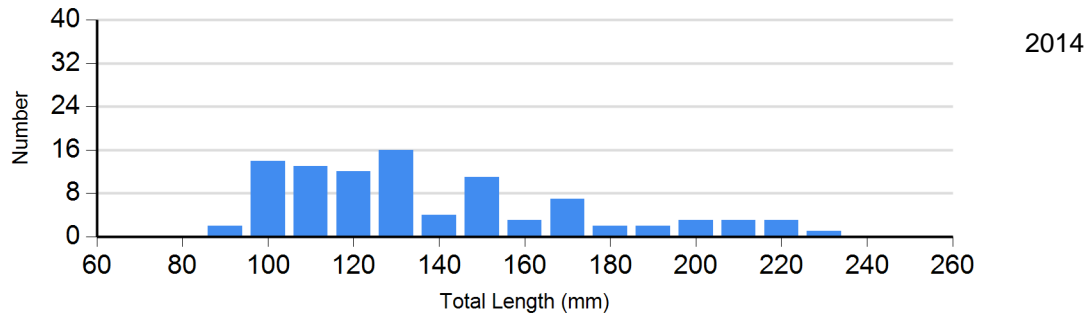
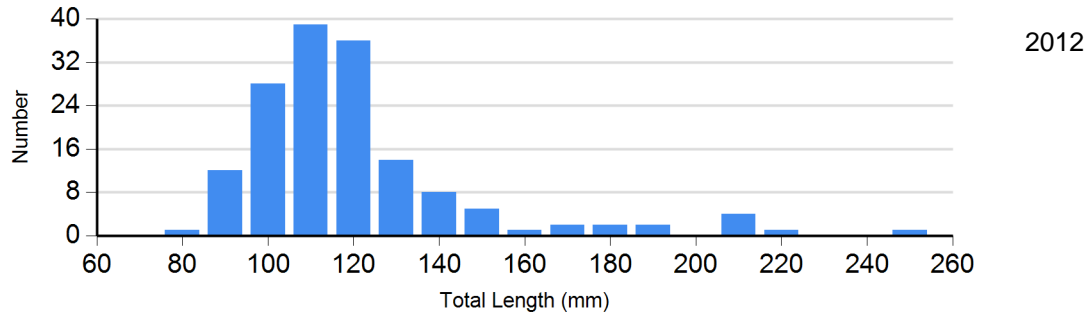
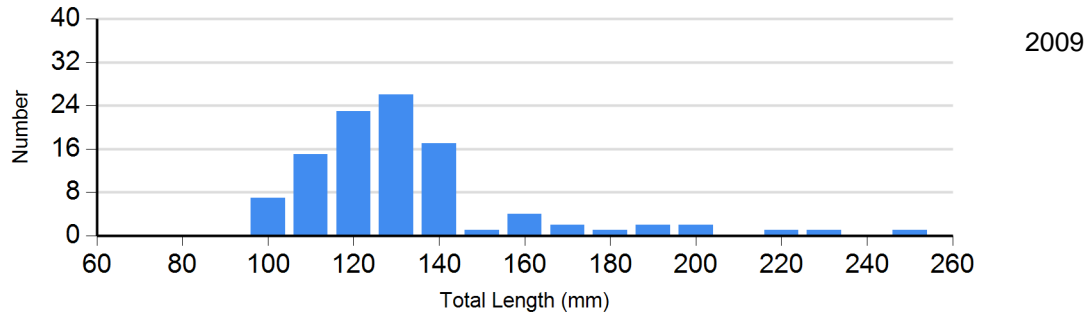




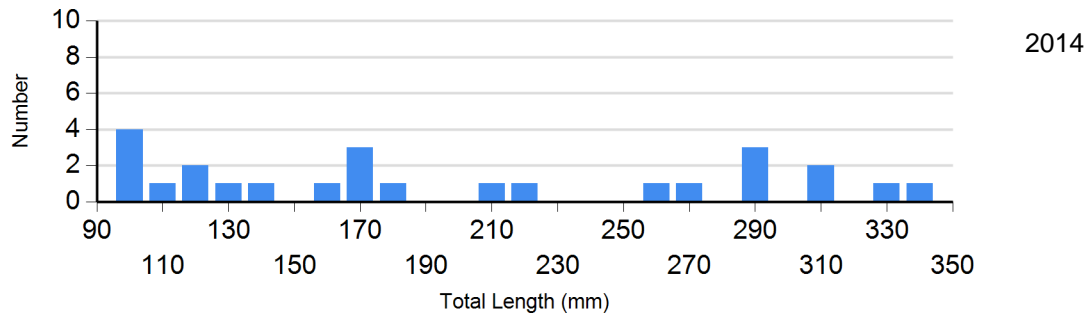
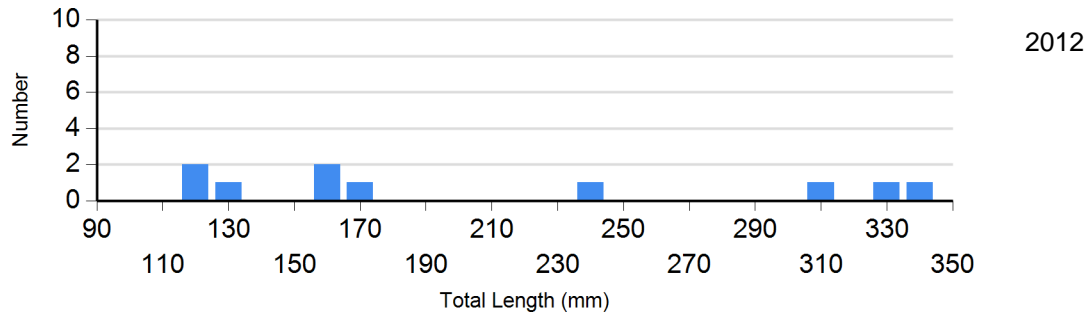
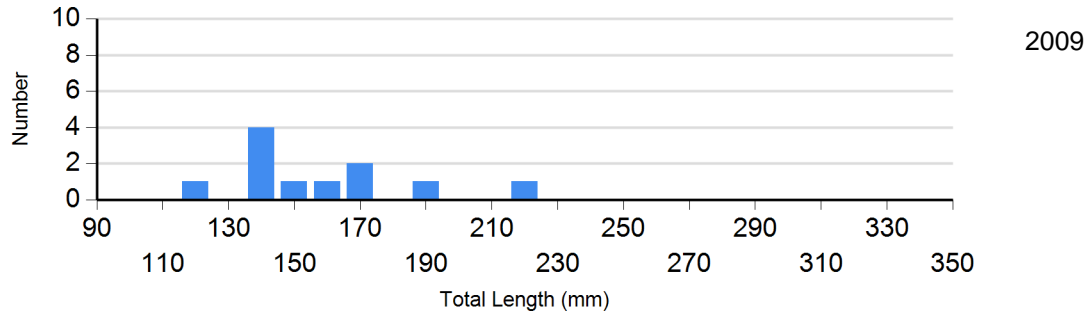
Site: 417
Species: White Sucker



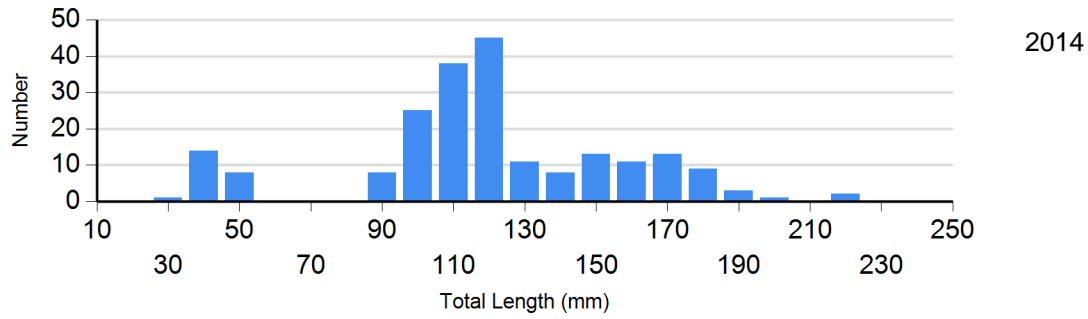
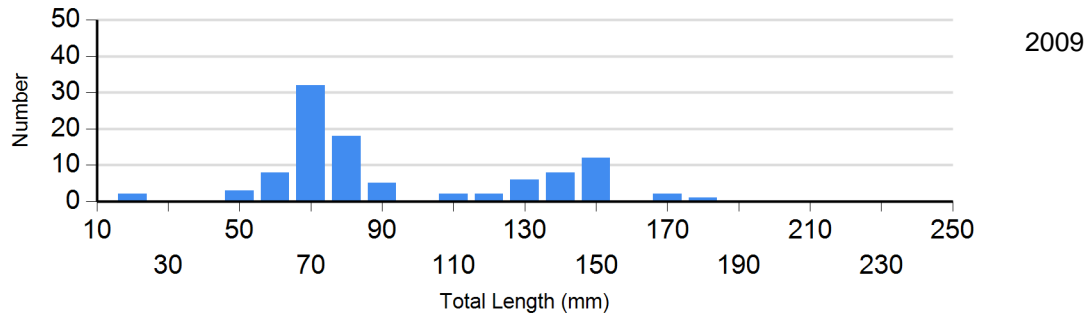
Site: 483
Species: Brook Trout



Site: 483
Species: Rainbow Trout



Site: 515
Species: Brook Trout



Site: 515
Species: Rainbow Trout

