

SOUTH DAKOTA BLACK HILLS COLD STREAM SURVEY
Castle Creek, Pennington County
02-0071-00
2009

Table 1. Population and Biomass Estimates for Castle Creek

Site Number: 54	Date Sampled: 07/07/2009	Conductivity (umhos/cm): 372
Site Midpoint (Latitude, Longitude): 44.07109038, -103.64404770	Site Length (m): 100	pH: 8.7
Survey Completed by: South Dakota Game, Fish and Parks	Mean Width (m): 5.0	Water Temperature (C): 18.5
Stream Classification: BK0, BR2	Number of Pass: 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)
Brook Trout	<200mm	1	1	1	1	20	1	10	8	0.52	16	141.0	29.0
Brook Trout	All	1	1	1	1	20	1	10	8	0.52	16	141.0	29.0
Brown Trout	<200mm	26	26	27	26	523	16	260	212	14.29	418	127.8	30.6
Brown Trout	>=200mm	11	11	13	11	221	32	110	90	28.91	177	238.3	146.4
Brown Trout	All	37	37	39	37	744	49	370	301	43.83	595	160.7	66.0

Site Number: 92	Date Sampled: 07/01/2009	Conductivity (umhos/cm): 387
Site Midpoint (Latitude, Longitude): 44.06142514, -103.66840783	Site Length (m): 100	pH: 8.5
Survey Completed by: South Dakota Game, Fish and Parks	Mean Width (m): 3.9	Water Temperature (C): 13.9
Stream Classification: BR2, RB1	Number of Pass: 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	36	38	43	36	970	27	380	393	24.34	611	123.3	28.1
Brown Trout	>=200mm	5	5	5	5	128	14	50	52	12.47	80	214.2	109.4
Brown Trout	All	41	43	48	41	1097	42	430	444	37.26	692	134.4	38.0
Rainbow Trout	<200mm	1	1	1	1	26	1	10	10	1.30	16	183.0	57.0

Rainbow Trout	>=200mm	3	3	4	3	77	16	30	31	13.90	48	274.0	203.3
Rainbow Trout	All	4	4	4	4	102	17	40	41	15.20	64	251.3	166.8

Site Number: 181

Site Midpoint (Latitude, Longitude): 44.06727345, -103.70716435

Survey Completed by:

Stream Classification: BR3

Date Sampled: 07/08/2009

Site Length (m): 100

Mean Width (m): 6.0

Number of Pass: 2

Conductivity (umhos/cm): 390

pH: 8.9

Water Temperature (C): 19.4

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	7	7	7	7	117	5	70	48	4.45	113	155.3	42.4
Brown Trout	>=200mm	2	2	2	2	34	4	20	14	3.40	32	217.5	113.5
Brown Trout	All	9	9	9	9	151	9	90	61	7.85	145	169.1	58.2

Site Number: 213

Site Midpoint (Latitude, Longitude): 44.07800737, -103.71756559

Survey Completed by: South Dakota Game, Fish and Parks

Stream Classification: BR2, RB2

Date Sampled: 06/09/2009

Site Length (m): 100

Mean Width (m): 4.1

Number of Pass: 3

Conductivity (umhos/cm): 382

pH: 8.7

Water Temperature (C): 15.9

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)
Brown Trout	<200mm	16	16	17	16	387	14	160	157	12.82	257	141.1	37.1
Brown Trout	>=200mm	4	4	5	4	97	11	40	39	9.97	64	222.5	115.5
Brown Trout	All	20	20	21	20	484	26	200	196	22.79	322	157.4	52.8
Mountain Sucker	All	1	1	1	1	24	1	10	10	0.65	16	134.0	30.0
Rainbow Trout	>=200mm	1	1	1	1	24	5	10	10	4.17	16	272.0	193.0
Rainbow Trout	All	1	1	1	1	24	5	10	10	4.17	16	272.0	193.0
White Sucker	All	1	1	2	1	24	1	10	10	0.47	16	133.0	22.0

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

Date Sampled: 07/09/2009
Site Length (m): 100
Mean Width (m): 4.8
Number of Pass: 3
Conductivity (umhos/cm): 390
pH: 8.4
Water Temperature (C): 13.0
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	35	36	39	35	757	26	360	307	23.01	579	140.5	34.0
Brown Trout	>=200mm	3	3	4	3	63	6	30	26	5.39	48	215.7	95.7
Brown Trout	All	38	39	42	38	820	32	390	332	28.49	628	146.5	38.9

Site Number: 239
Site Midpoint (Latitude, Longitude): 44.07777124, -103.73016114
Survey Completed by: South Dakota Game, Fish and Parks
Stream Classification: BR3

Date Sampled: 07/10/2009
Site Length (m): 100
Mean Width (m): 4.5
Number of Pass: 3
Conductivity (umhos/cm): 350
pH: 8.5
Water Temperature (C): 13.9
Voltage: 350

Species	Size Class	Total Number Captured	Est. # in site	Upper 95% CI	Lower 95% CI	# per Hectacre	Kg per Hectacre	# per Km	# per Acre	lb. per Acre	# per Mile	Mean Length (mm)	Mean Weight (grams)
Brown Trout	<200mm	33	33	35	33	733	20	330	297	17.94	531	128.9	27.4
Brown Trout	>=200mm	1	1	1	1	22	3	10	9	2.38	16	226.0	120.0
Brown Trout	All	34	34	36	34	756	23	340	306	20.32	547	131.7	30.1

Site Number: 249
Site Midpoint (Latitude, Longitude): 44.08152213, -103.72974261
Survey Completed by: South Dakota Game, Fish and Parks
Stream Classification: BR2, RB2

Date Sampled: 07/07/2009
Site Length (m): 100
Mean Width (m): 4.6
Number of Pass: 3
Conductivity (umhos/cm): 370
pH: 8.6
Water Temperature (C): 15.5
Voltage: 350

Species	Size Class	Total Number Captured	Est. # in site	Upper 95% CI	Lower 95% CI	# per Hectacre	Kg per Hectacre	# per Km	# per Acre	lb. per Acre	# per Mile	Mean Length (mm)	Mean Weight (grams)
Brown Trout	<200mm	36	36	38	36	790	14	360	320	12.86	579	98.4	18.2
Brown Trout	>=200mm	7	7	7	7	154	24	70	62	21.27	113	250.0	155.0
Brown Trout	All	43	43	45	43	944	38	430	382	34.13	692	123.1	40.5
Rainbow Trout	>=200mm	1	1	1	1	22	6	10	9	5.53	16	306.0	282.0
Rainbow Trout	All	1	1	1	1	22	6	10	9	5.53	16	306.0	282.0
White Sucker	All	2	2	2	2	44	0	20	18	0.04	32	56.0	1.0

Site Number: 323
Site Midpoint (Latitude, Longitude): 44.06369548, -103.76499491
Survey Completed by: South Dakota Game, Fish and Parks
Stream Classification: BK0, BR2

Date Sampled: 07/15/2009
Site Length (m): 100
Mean Width (m): 5.0
Number of Pass: 3
Conductivity (umhos/cm): 369
pH: 8.8
Water Temperature (C): 10.9
Voltage: 350

Species	Size Class	Total Number Captured	Est. # in site	Upper 95% CI	Lower 95% CI	# per Hectacre	Kg per Hectacre	# per Km	# per Acre	lb. per Acre	# per Mile	Mean Length (mm)	Mean Weight (grams)
Brook Trout	<200mm	2	2	2	2	40	2	20	16	1.94	32	162.5	54.0
Brook Trout	All	2	2	2	2	40	2	20	16	1.94	32	162.5	54.0
Brown Trout	<200mm	33	34	37	33	682	25	340	276	22.51	547	142.3	36.9
Brown Trout	>=200mm	6	6	6	6	120	17	60	49	14.88	97	231.8	138.3
Brown Trout	All	39	40	43	39	803	43	400	325	37.96	644	156.1	52.9

Site Number: 333
Site Midpoint (Latitude, Longitude): 44.06186432, -103.75826745
Survey Completed by: South Dakota Game, Fish and Parks
Stream Classification: BK3, BR2

Date Sampled: 07/15/2009
Site Length (m): 100
Mean Width (m): 5.9
Number of Pass: 3
Conductivity (umhos/cm): 350
pH: 9.1
Water Temperature (C): 15.6
Voltage: 350

Species	Size Class	Total Number Captured	Est. # in site	Upper 95% CI	Lower 95% CI	# per Hectacre	Kg per Hectacre	# per Km	# per Acre	lb. per Acre	# per Mile	Mean Length (mm)	Mean Weight (grams)
Brook Trout	<200mm	1	1	1	1	17	1	10	7	1.01	16	178.0	67.0
Brook Trout	>=200mm	2	2	2	2	34	5	20	14	4.25	32	219.0	140.5
Brook Trout	All	3	3	3	3	51	6	30	21	5.27	48	205.3	116.0
Brown Trout	<200mm	27	27	28	27	458	20	270	185	17.60	434	149.0	43.1
Brown Trout	>=200mm	6	6	6	6	102	21	60	41	18.86	97	253.2	207.7
Brown Trout	All	33	33	34	33	559	41	330	227	36.92	531	167.9	73.9

Site Number: 361
Site Midpoint (Latitude, Longitude): 44.05523022, -103.76363258
Survey Completed by: South Dakota Game, Fish and Parks
Stream Classification: BK2, BR2

Date Sampled: 06/30/2009
Site Length (m): 100
Mean Width (m): 5.0
Number of Pass: 3
Conductivity (umhos/cm): 355
pH: 9.0
Water Temperature (C): 12.5
Voltage: 350

Species	Size Class	Total Number Captured	Est. # in site	Upper 95% CI	Lower 95% CI	# per Hectacre	Kg per Hectacre	# per Km	# per Acre	lb. per Acre	# per Mile	Mean Length (mm)	Mean Weight (grams)
Brook Trout	<200mm	39	50	70	39	1009	38	500	409	34.08	805	103.0	37.8
Brook Trout	>=200mm	5	5	6	5	101	13	50	41	11.30	80	220.8	125.4
Brook Trout	All	44	54	71	44	1090	58	540	441	52.03	869	116.4	53.5
Brown Trout	<200mm	20	21	25	20	424	16	210	172	14.49	338	146.7	38.3
Brown Trout	>=200mm	12	12	12	12	242	40	120	98	35.77	193	241.6	165.4
Brown Trout	All	32	32	34	32	646	56	320	262	49.58	515	182.3	86.0

Site Number: 382
Site Midpoint (Latitude, Longitude): 44.04469586, -103.77328937
Survey Completed by: South Dakota Game, Fish and Parks
Stream Classification: BK2, BR3

Date Sampled: 06/29/2009
Site Length (m): 100
Mean Width (m): 6.5
Number of Pass: 3
Conductivity (umhos/cm): 370
pH: 8.8
Water Temperature (C): 13.0
Voltage: 350

Species	Size Class	Total Number Captured	Est. # in site	Upper 95% CI	Lower 95% CI	# per Hectacre	Kg per Hectacre	# per Km	# per Acre	lb. per Acre	# per Mile	Mean Length (mm)	Mean Weight (grams)
Brook Trout	<200mm	11	11	11	11	168	6	110	68	5.27	177	143.4	35.1
Brook Trout	>=200mm	12	12	12	12	183	24	120	74	21.39	193	221.9	130.7
Brook Trout	All	23	23	24	23	351	30	230	142	26.65	370	184.3	85.0
Brown Trout	<200mm	19	19	21	19	290	9	190	118	8.46	306	139.6	32.6
Brown Trout	>=200mm	3	3	4	3	46	8	30	19	7.54	48	243.3	184.3
Brown Trout	All	22	22	24	22	336	18	220	136	16.00	354	153.8	53.3
White Sucker	All	1	1	2	1	15	2	10	6	1.86	16	221.0	136.0

Site Number: 396
Site Midpoint (Latitude, Longitude): 44.04066846, -103.77461137
Survey Completed by: South Dakota Game, Fish and Parks
Stream Classification: BK2, BR2

Date Sampled: 06/18/2009
Site Length (m): 100
Mean Width (m): 5.9
Number of Pass: 3
Conductivity (umhos/cm): 364
pH: 8.8
Water Temperature (C): 11.6
Voltage: 350

Species	Size Class	Total Number Captured	Est. # in site	Upper 95% CI	Lower 95% CI	# per Hectacre	Kg per Hectacre	# per Km	# per Acre	lb. per Acre	# per Mile	Mean Length (mm)	Mean Weight (grams)
Brook Trout	<200mm	15	16	20	15	273	11	160	111	9.47	257	150.1	38.8
Brook Trout	>=200mm	5	5	5	5	85	12	50	35	10.89	80	228.2	142.8
Brook Trout	All	20	20	22	20	342	22	200	138	19.77	322	169.6	64.8
Brown Trout	<200mm	11	12	17	11	205	5	120	83	4.79	193	129.4	26.2
Brown Trout	>=200mm	16	16	17	16	273	50	160	111	44.53	257	246.1	182.5
Brown Trout	All	27	27	29	27	461	55	270	187	48.92	434	198.5	118.8

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

Date Sampled: 06/18/2009
Site Length (m): 100
Mean Width (m): 5.4
Conductivity (umhos/cm): 374
pH: 8.5
Water Temperature (C): 8.8

Stream Classification: BK2, BR2

Number of Pass: 3

Voltage:

350

Species	Size Class	Total Number Captured	Est. # in site	Upper 95% CI	Lower 95% CI	# per Hectacre	Kg per Hectacre	# per Km	# per Acre	lb. per Acre	# per Mile	Mean Length (mm)	Mean Weight (grams)
Brook Trout	<200mm	30	32	38	30	597	15	320	242	13.16	515	129.1	24.7
Brook Trout	>=200mm	12	12	12	12	224	33	120	91	29.15	193	237.8	145.9
Brook Trout	All	42	43	46	42	802	48	430	325	42.47	692	160.2	59.3
Brown Trout	<200mm	26	35	55	26	653	23	350	264	20.44	563	142.4	35.1
Brown Trout	>=200mm	16	16	17	16	298	51	160	121	45.71	257	237.2	171.6
Brown Trout	All	42	47	56	42	876	76	470	355	68.14	756	178.5	87.1

Site Number: 472

Site Midpoint (Latitude, Longitude): 44.01434292, -103.83272819

Survey Completed by: South Dakota Game, Fish and Parks

Stream Classification: BK3, RB0

Date Sampled: 08/28/2009

Site Length (m): 100

Mean Width (m): 3.0

Number of Pass: 3

Conductivity (umhos/cm):

pH:

Water Temperature (C):

Voltage:

461

8.8

13.2

250

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	61	61	62	61	2021	58	610	819	51.67	981	127.6	28.6
Brook Trout	>=200mm	1	1	1	1	33	5	10	13	4.85	16	276.0	164.0
Brook Trout	All	62	62	63	62	2054	64	620	832	57.20	998	130.0	31.2
Rainbow Trout	<200mm	7	7	8	7	232	10	70	94	8.49	113	156.1	41.0
Rainbow Trout	All	7	7	8	7	232	10	70	94	8.49	113	156.1	41.0

Site Number: 483

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

Survey Completed by: South Dakota Game, Fish and Parks

Stream Classification: BK2, RB2

Date Sampled: 08/21/2009

Site Length (m): 100

Mean Width (m): 2.6

Number of Pass: 3

Conductivity (umhos/cm):

pH:

Water Temperature (C):

Voltage:

8.8

11.5

250

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	98	98	99	98	3717	94	980	1505	84.34	1577	132.3	25.4
Brook Trout	>=200mm	5	5	5	5	190	25	50	77	22.32	80	225.4	131.8
Brook Trout	All	103	103	104	103	3907	120	1030	1582	106.84	1657	136.8	30.6
Rainbow Trout	<200mm	10	10	10	10	379	17	100	154	15.24	161	156.6	45.0
Rainbow Trout	>=200mm	1	1	1	1	38	5	10	15	4.40	16	221.0	130.0
Rainbow Trout	All	11	11	11	11	417	22	110	169	19.64	177	162.5	52.7

Site Number: 515
Site Midpoint (Latitude, Longitude): 44.03404890, -103.84985340
Survey Completed by: South Dakota Game, Fish and Parks
Stream Classification: BK0

Date Sampled: 08/26/2009
Site Length (m): 100
Mean Width (m): 2.5
Number of Pass: 3
Conductivity (umhos/cm): 311
pH: 442.0
Water Temperature (C): 15.2
Voltage: 250

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	101	123	147	101	4920	152	1230	1993	135.77	1979	98.0	30.9
Brook Trout	All	101	123	147	101	4920	152	1230	1993	135.77	1979	98.0	30.9

Site Number: 547
Site Midpoint (Latitude, Longitude): 44.04210022, -103.86895392
Survey Completed by: South Dakota Game, Fish and Parks
Stream Classification: BR3, RB2

Date Sampled: 07/07/2009
Site Length (m): 100
Mean Width (m): 5.6
Number of Pass: 3
Conductivity (umhos/cm): 336
pH: 8.5
Water Temperature (C): 16.4
Voltage: 350

Species	Size Class	Total Number Captured	Est. # in site	Upper 95% CI	Lower 95% CI	# per Hectacre	Kg per Hectacre	# per Km	# per Acre	lb. per Acre	# per Mile	Mean Length (mm)	Mean Weight (grams)
Brown Trout	<200mm	27	29	34	27	522	10	290	211	8.63	467	119.0	18.5
Brown Trout	>=200mm	1	1	1	1	18	2	10	7	1.90	16	225.0	118.0

Brown Trout	All	28	30	35	28	540	12	300	219	10.64	483	122.8	22.1
Rainbow Trout	>=200mm	1	1	1	1	18	7	10	7	6.43	16	372.0	400.0
Rainbow Trout	All	1	1	1	1	18	7	10	7	6.43	16	372.0	400.0

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	
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, 1999-2009

Site 54

Species/Size	Date	Pop Est.	(95% C.I.)	Stream Classification
Brook Trout <200mm	Jul 07, 2009	1	1-1	
Brown Trout <200mm	Jul 07, 2009	26	26-27	
Brown Trout >=200mm	Jul 07, 2009	11	11-13	BR2

Site 92

Species/Size	Date	Pop Est.	(95% C.I.)	Stream Classification
Brown Trout <200mm	Jul 01, 2009	38	36-43	
Brown Trout >=200mm	Jul 01, 2009	5	5-5	BR2
Rainbow Trout <200mm	Jul 01, 2009	1	1-1	

Rainbow Trout >=200mm	Jul 01, 2009	3	3-4	RB1
-----------------------	--------------	---	-----	-----

Site 181

Species/Size	Date	Pop Est.	(95% C.I.)	Stream Classification
Brown Trout <200mm	Jul 08, 2009	7	7-7	
Brown Trout >=200mm	Jul 08, 2009	2	2-2	BR3

Site 213

Species/Size	Date	Pop Est.	(95% C.I.)	Stream Classification
Brown Trout <200mm	Jun 09, 2009	16	16-17	
Brown Trout >=200mm	Jun 09, 2009	4	4-5	BR2
Mountain Sucker	Jun 09, 2009	1	1-1	
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	
Brown Trout >=200mm	Jul 09, 2009	3	3-4	BR2

Site 239

Species/Size	Date	Pop Est.	(95% C.I.)	Stream Classification
Brown Trout <200mm	Jul 10, 2009	33	33-35	
Brown Trout >=200mm	Jul 10, 2009	1	1-1	BR3

Site 249

Species/Size	Date	Pop Est.	(95% C.I.)	Stream Classification
Brown Trout <200mm	Jul 07, 2009	36	36-38	
Brown Trout >=200mm	Jul 07, 2009	7	7-7	BR2
Rainbow Trout >=200mm	Jul 07, 2009	1	1-1	RB2
White Sucker	Jul 07, 2009	2	2-2	

Site 323

Species/Size	Date	Pop Est.	(95% C.I.)	Stream Classification
Brook Trout <200mm	Jul 15, 2009	2	2-2	
Brown Trout <200mm	Jul 15, 2009	34	33-37	
Brown Trout >=200mm	Jul 15, 2009	6	6-6	BR2

Site 333

Species/Size	Date	Pop Est.	(95% C.I.)	Stream Classification
Brook Trout <200mm	Jul 15, 2009	1	1-1	

Brook Trout >=200mm	Jul 15, 2009	2	2-2	BK3
Brown Trout <200mm	Jul 15, 2009	27	27-28	
Brown Trout >=200mm	Jul 15, 2009	6	6-6	BR2

Site 361

Species/Size	Date	Pop Est.	(95% C.I.)	Stream Classification
Brook Trout <200mm	Jun 30, 2009	50	39-70	
Brook Trout >=200mm	Jun 30, 2009	5	5-6	BK2
Brown Trout <200mm	Jun 30, 2009	21	20-25	
Brown Trout >=200mm	Jun 30, 2009	12	12-12	BR2

Site 382

Species/Size	Date	Pop Est.	(95% C.I.)	Stream Classification
Brook Trout <200mm	Jun 29, 2009	11	11-11	
Brook Trout >=200mm	Jun 29, 2009	12	12-12	BK2
Brown Trout <200mm	Jun 29, 2009	19	19-21	
Brown Trout >=200mm	Jun 29, 2009	3	3-4	BR3
White Sucker	Jun 29, 2009	1	1-2	

Site 396

Species/Size	Date	Pop Est.	(95% C.I.)	Stream Classification
Brook Trout <200mm	Sep 22, 1999	116	109-125	
	Sep 26, 2000	212	202-222	
	Jun 18, 2009	16	15-20	
Brook Trout >=200mm	Sep 22, 1999	37	37-39	BK1
	Sep 26, 2000	22	22-23	BK1
	Jun 18, 2009	5	5-5	BK2
Brown Trout <200mm	Sep 22, 1999	19	15-31	
	Sep 26, 2000	10	10-12	
	Jun 18, 2009	12	11-17	
Brown Trout >=200mm	Sep 22, 1999	63	50-83	BR1
	Sep 26, 2000	47	46-50	BR1
	Jun 18, 2009	16	16-17	BR2

Site 417

Species/Size	Date	Pop Est.	(95% C.I.)	Stream Classification
Brook Trout <200mm	Sep 27, 1999	72	72-74	

Brook Trout <200mm	Sep 27, 2000	199	185-213	
	Sep 17, 2002	114	105-125	
	Sep 30, 2004	98	95-103	
	Sep 20, 2006	73	72-76	
	Jun 18, 2009	32	30-38	
Brook Trout >=200mm	Sep 27, 1999	189	188-191	BK1
	Sep 27, 2000	271	266-277	BK1
	Sep 17, 2002	155	155-156	BK1
	Sep 30, 2004	122	122-123	BK1
	Sep 20, 2006	93	92-96	BK1
	Jun 18, 2009	12	12-12	BK2
Brown Trout <200mm	Sep 17, 2002	18	18-19	
	Sep 30, 2004	11	11-11	
	Sep 20, 2006	50	50-52	
	Jun 18, 2009	35	26-55	
Brown Trout >=200mm	Sep 27, 1999	16	16-16	BR2

Brown Trout >=200mm	Sep 27, 2000	15	15-17	BR2
	Sep 17, 2002	16	16-17	BR2
	Sep 30, 2004	18	18-19	BR2
	Sep 20, 2006	39	39-40	BR1
	Jun 18, 2009	16	16-17	BR2

Site 472

Species/Size	Date	Pop Est.	(95% C.I.)	Stream Classification
Brook Trout <200mm	Aug 28, 2009	61	61-62	
Brook Trout >=200mm	Aug 28, 2009	1	1-1	BK3
Rainbow Trout <200mm	Aug 28, 2009	7	7-8	

Site 483

Species/Size	Date	Pop Est.	(95% C.I.)	Stream Classification
Brook Trout <200mm	Aug 21, 2009	98	98-99	
Brook Trout >=200mm	Aug 21, 2009	5	5-5	BK2
Rainbow Trout <200mm	Aug 21, 2009	10	10-10	
Rainbow Trout >=200mm	Aug 21, 2009	1	1-1	RB2

Site 515

Species/Size	Date	Pop Est.	(95% C.I.)	Stream Classification
Brook Trout <200mm	Aug 26, 2009	123	101-147	

Site 547

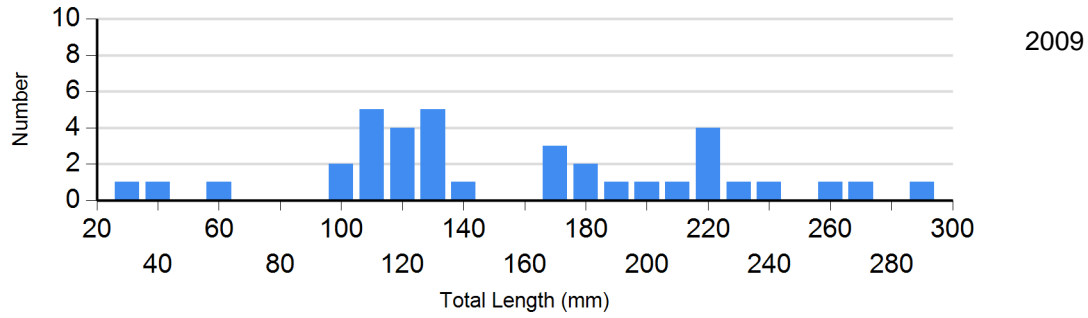
Species/Size	Date	Pop Est.	(95% C.I.)	Stream Classification
Brown Trout <200mm	Jul 07, 2009	29	27-34	
Brown Trout >=200mm	Jul 07, 2009	1	1-1	BR3
Rainbow Trout >=200mm	Jul 07, 2009	1	1-1	RB2

Length Frequency Distribution

Length frequency histogram of species sampled by year.

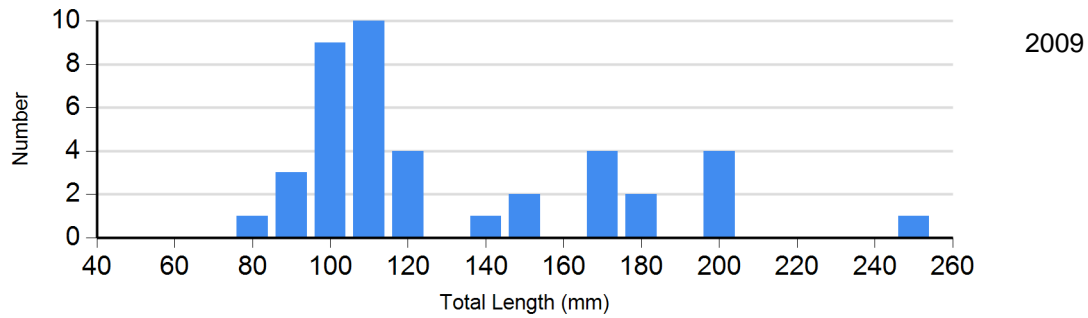
Site: 54

Species: Brown Trout



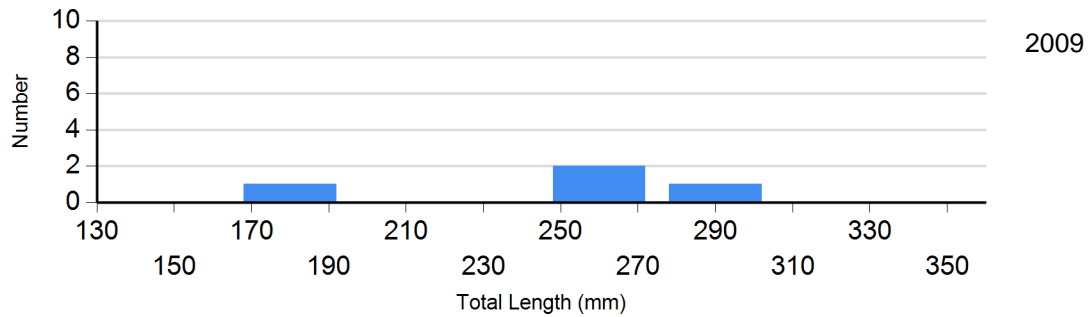
Site: 92

Species: Brown Trout

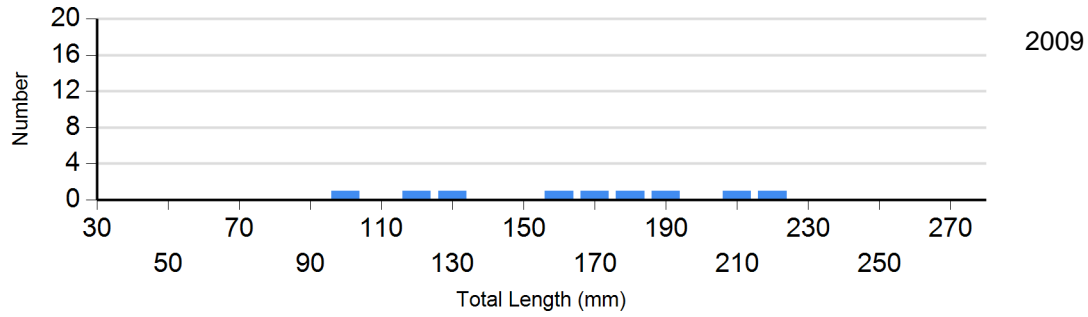


Site: 92

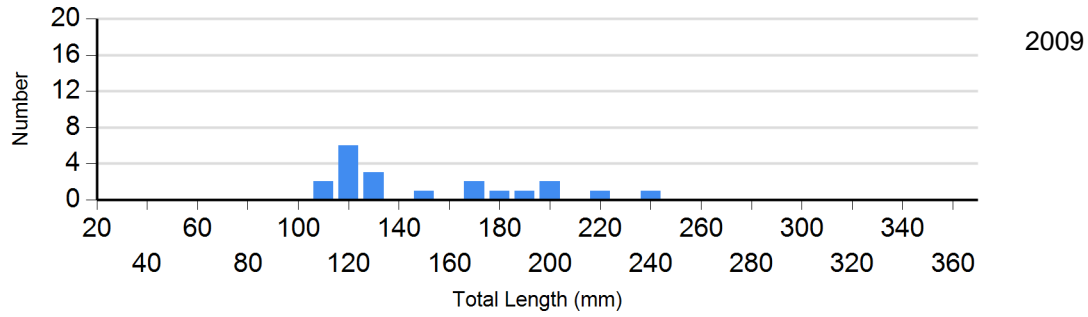
Species: Rainbow Trout



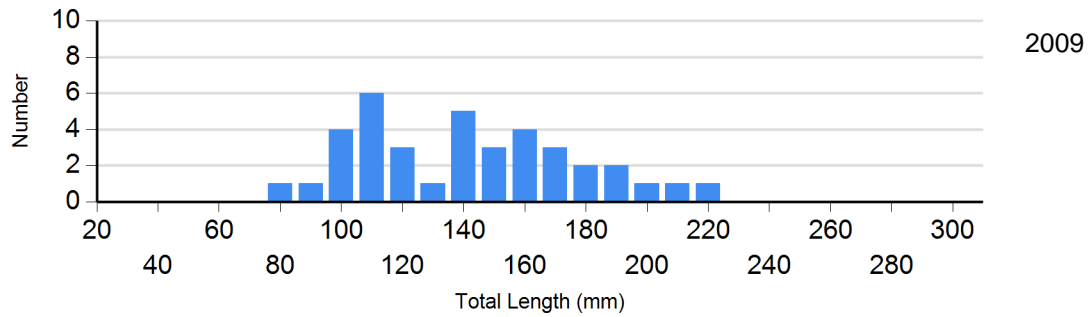
Site: 181
Species: Brown Trout



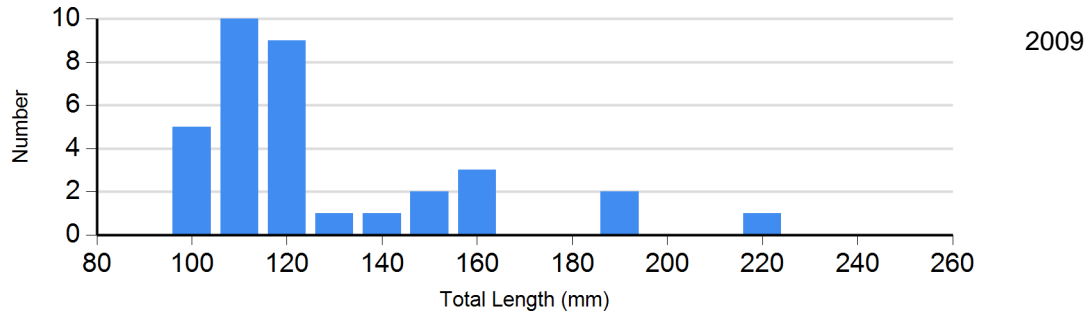
Site: 213
Species: Brown Trout



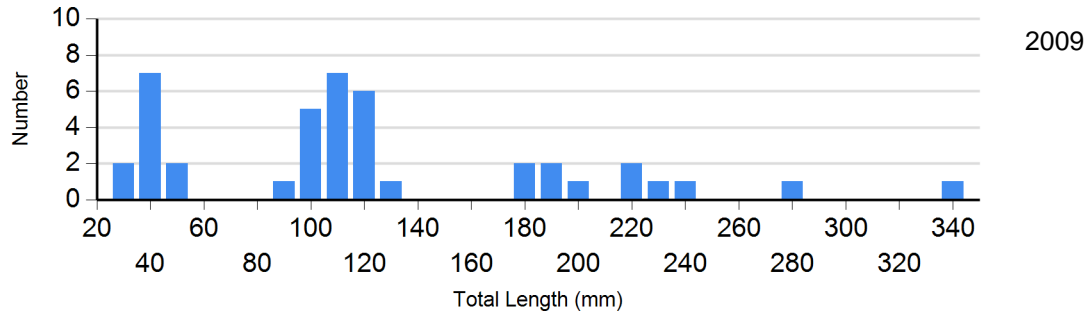
Site: 220
Species: Brown Trout



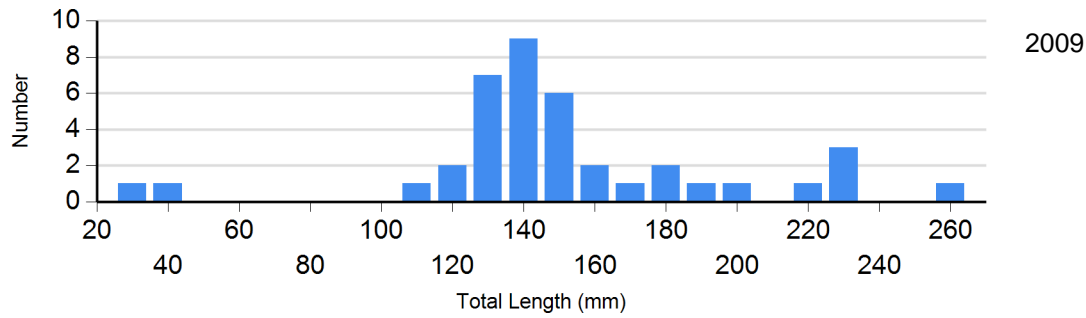
Site: 239
Species: Brown Trout



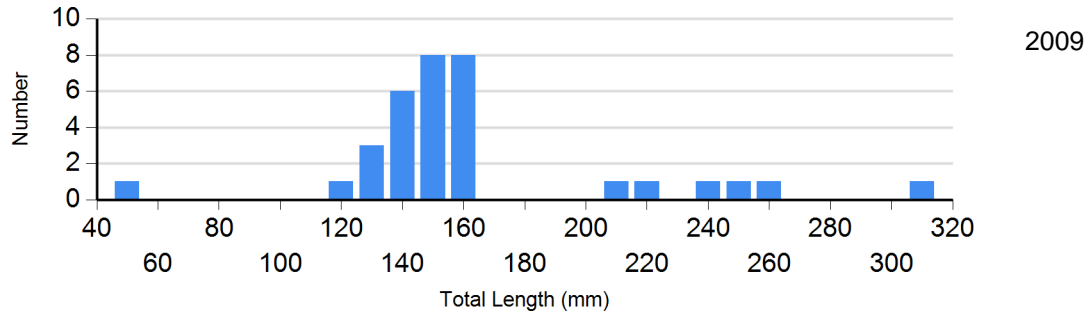
Site: 249
Species: Brown Trout



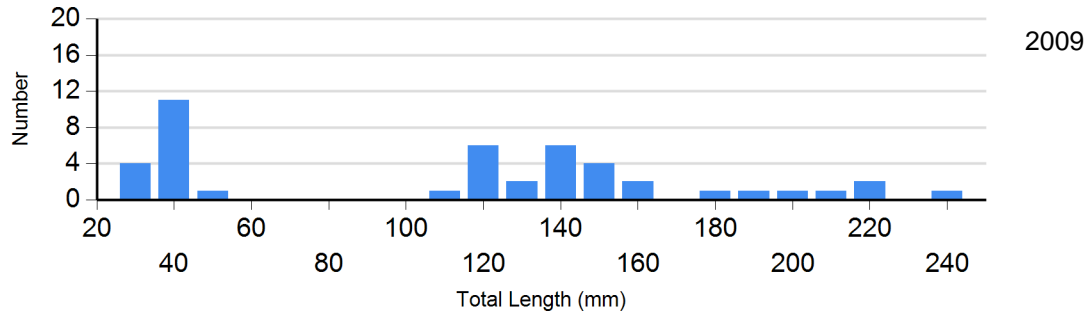
Site: 323
Species: Brown Trout



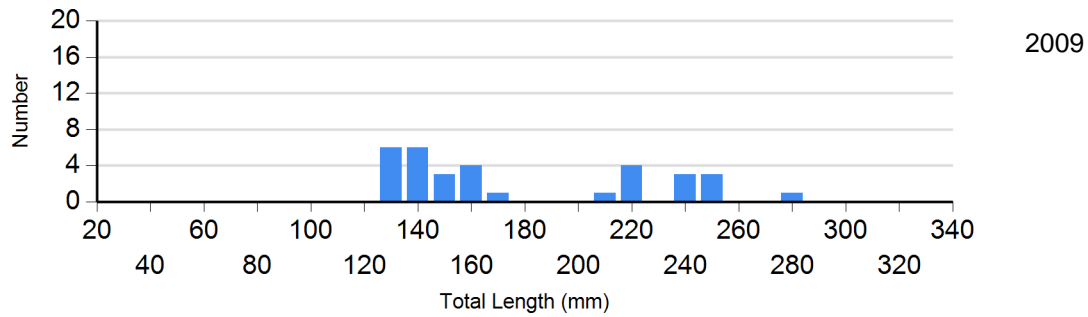
Site: 333
Species: Brown Trout



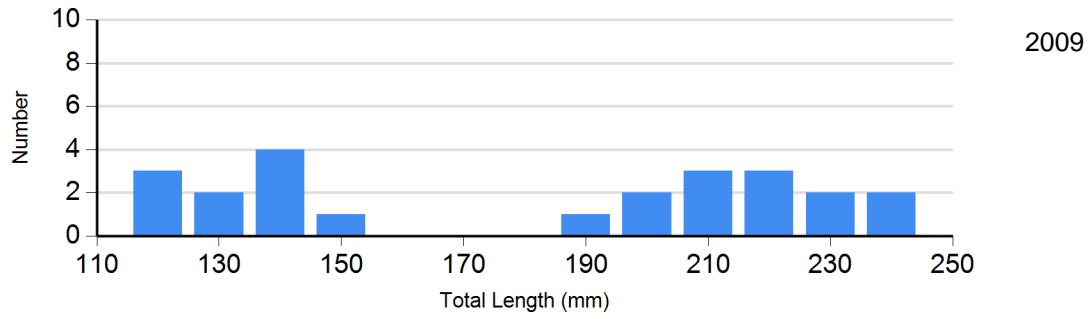
Site: 361
Species: Brook Trout



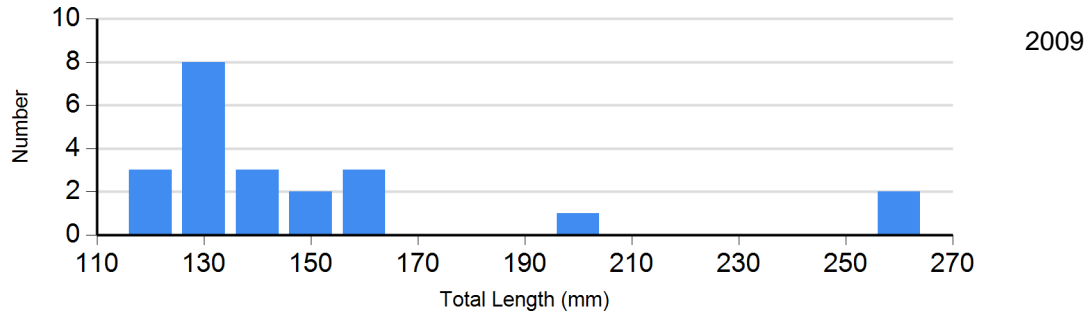
Site: 361
Species: Brown Trout



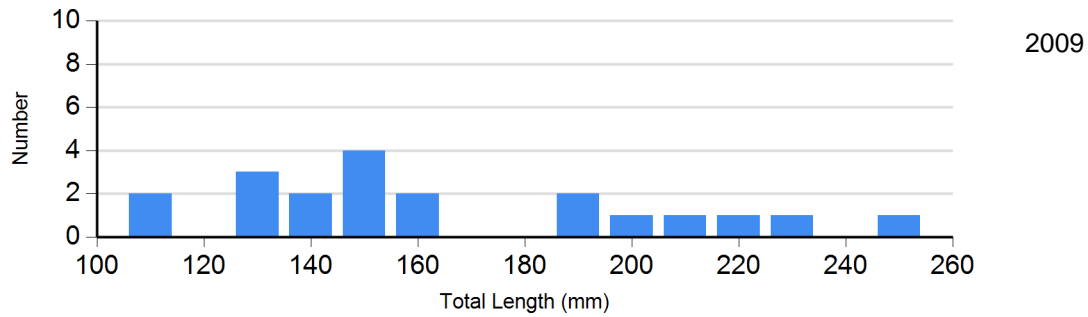
Site: 382
Species: Brook Trout



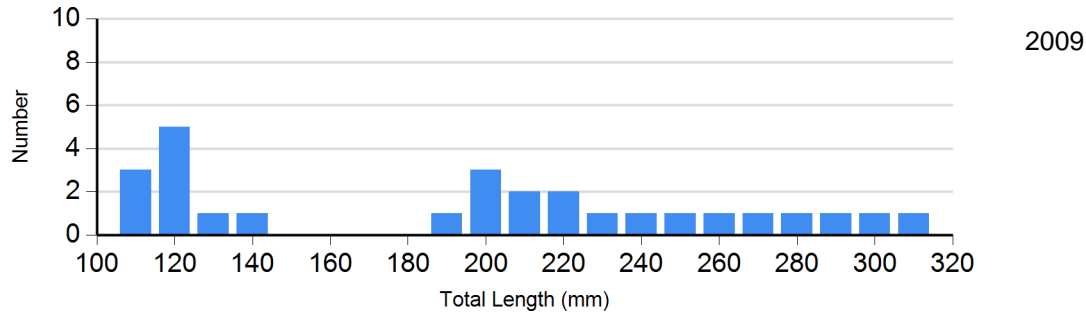
Site: 382
Species: Brown Trout



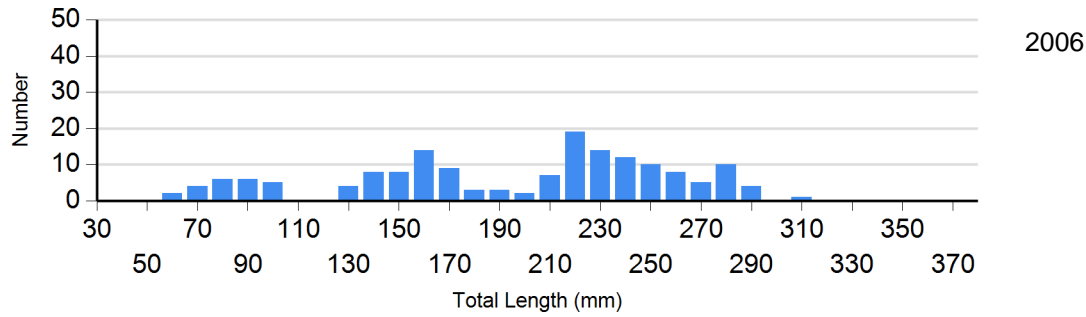
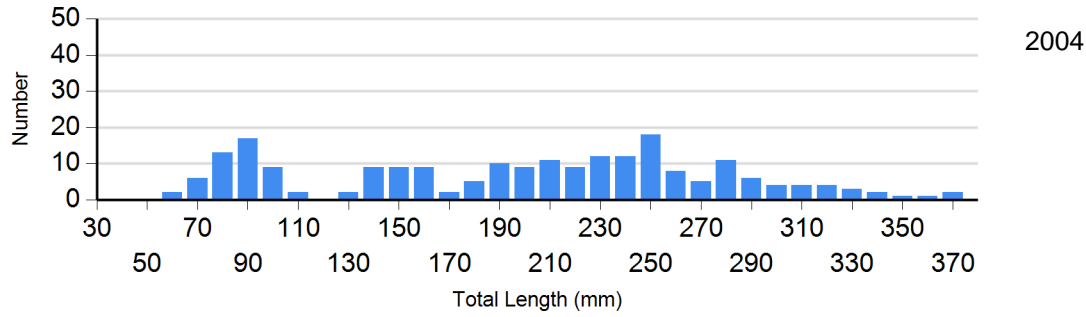
Site: 396
Species: Brook Trout

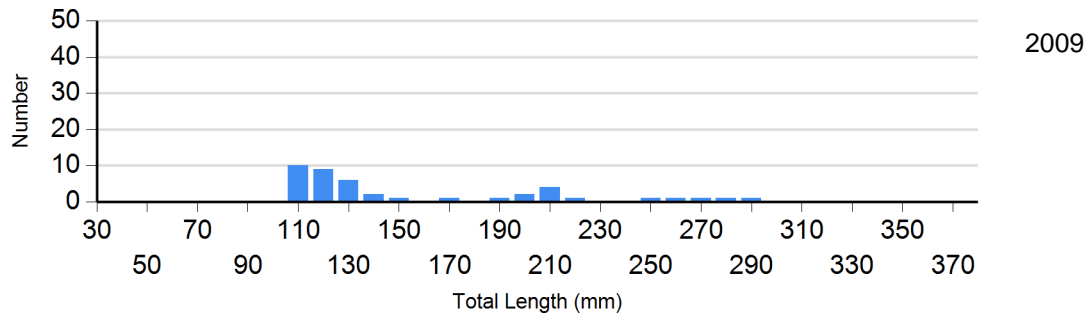


Site: 396
Species: Brown Trout

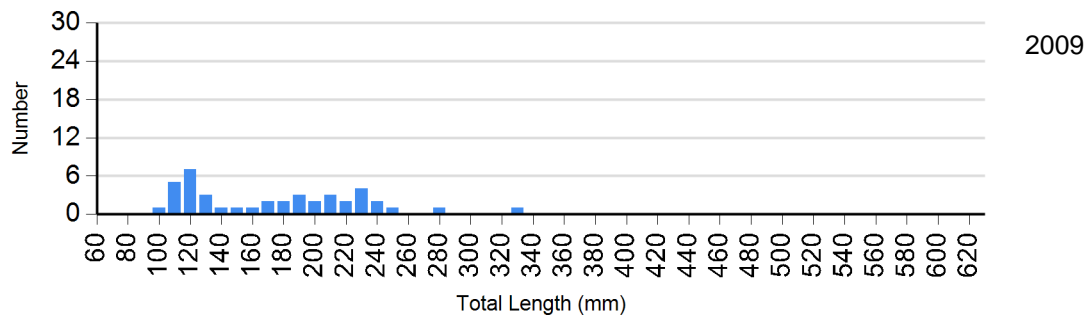
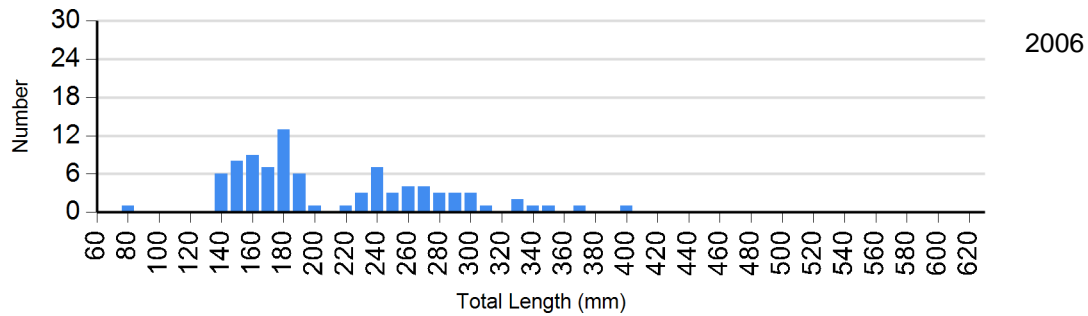
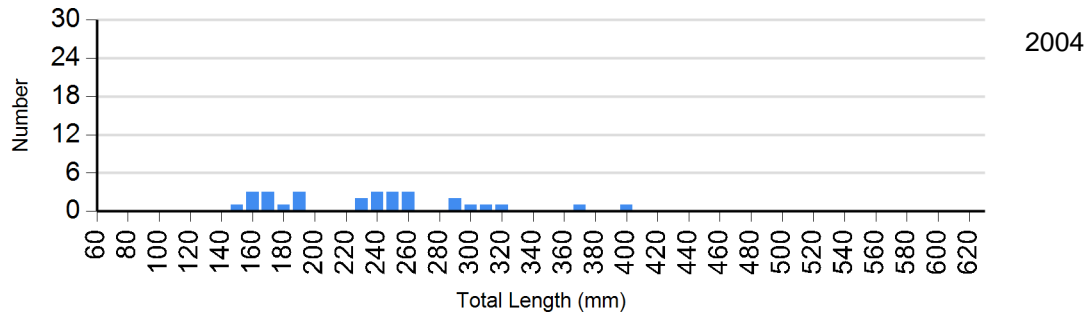


Site: 417
Species: Brook Trout

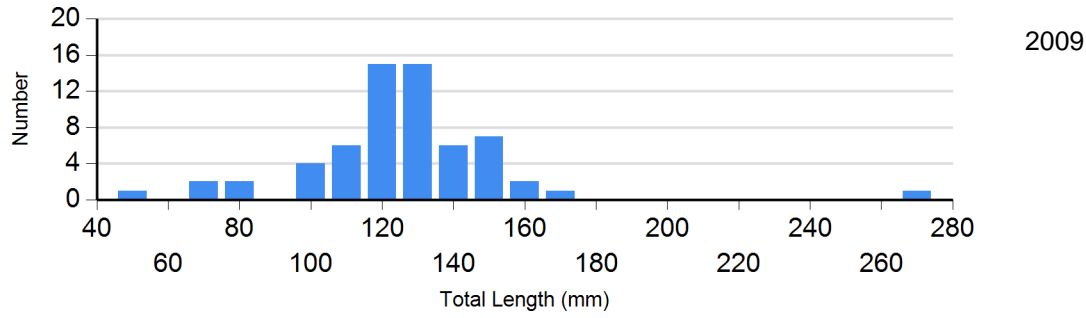




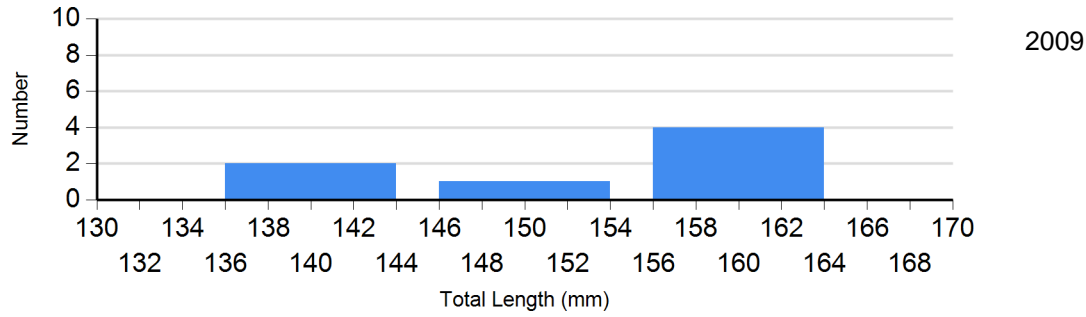
Site: 417
Species: Brown Trout



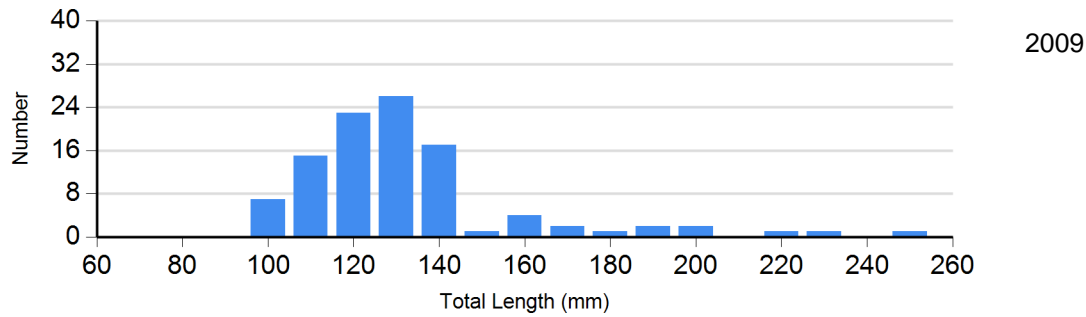
Site: 472
Species: Brook Trout



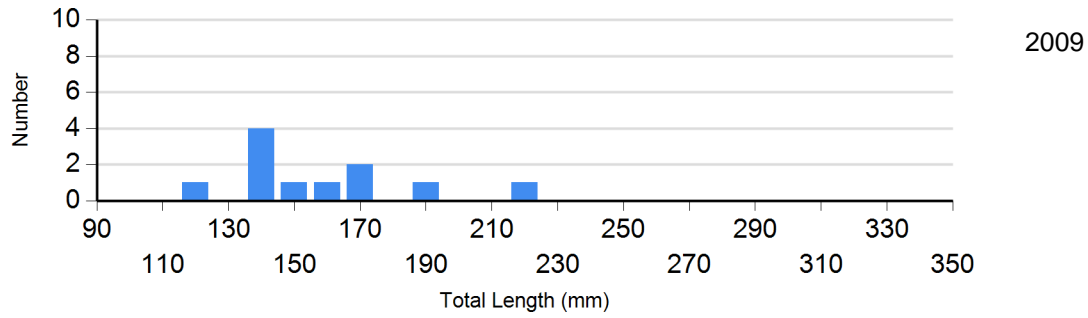
Site: 472
Species: Rainbow Trout



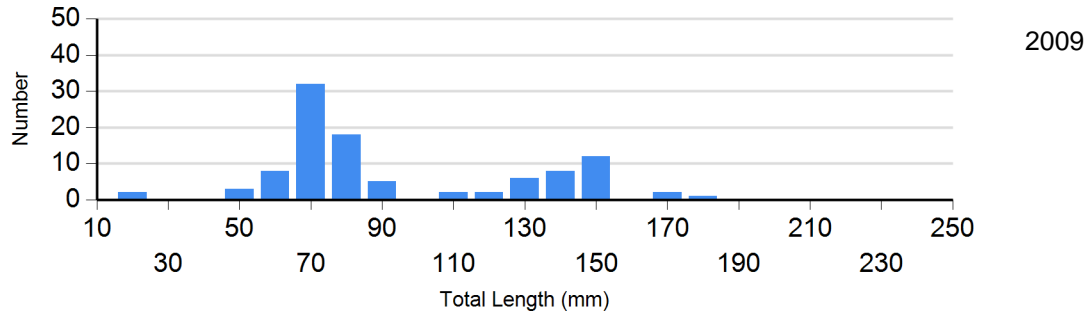
Site: 483
Species: Brook Trout



Site: 483
Species: Rainbow Trout



Site: 515
Species: Brook Trout



Site: 547
Species: Brown Trout

