

SOUTH DAKOTA BLACK HILLS COLD STREAM SURVEY
Rapid Creek, Pennington County
02-0062-00
2008

Table 1. Population and Biomass Estimates for Rapid Creek

Site Number: 1412	Date Sampled: 09/15/2008	Conductivity (umhos/cm): 550
Site Midpoint (Latitude, Longitude): 44.07907606, -103.25491933	Site Length (m): 100	pH: 8.6
Survey Completed by: South Dakota Game, Fish and Parks	Mean Width (m): 8.5	Water Temperature (C): 15.1
Stream Classification: BR1	Number of Pass: 3	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	192	209	223	195	2464	43	2090	998	38.28	3363	109.9	17.4
Brown Trout	>=200mm	37	38	42	37	448	116	380	181	103.19	611	286.8	258.0
Brown Trout	All	229	248	263	233	2924	168	2480	1184	149.63	3990	138.5	57.3
Green Sunfish	All	8	8	10	8	94	1	80	38	1.22	129	78.5	14.4
Largemouth Bass	All	1	1	1	1	12	0	10	5	0.44	16	150.0	42.0
Rock Bass	All	7	7	7	7	83	2	70	33	1.59	113	96.6	21.6

Site Number: 1444	Date Sampled: 09/15/2008	Conductivity (umhos/cm): 398
Site Midpoint (Latitude, Longitude): 44.06406624, -103.27603653	Site Length (m): 100	pH: 8.9
Survey Completed by: South Dakota Game, Fish and Parks	Mean Width (m): 11.6	Water Temperature (C): 15.8
Stream Classification: BR2, RB2	Number of Pass: 3	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	318	342	358	326	2958	52	3420	1198	46.63	5503	108.0	17.7
Brown Trout	>=200mm	13	13	13	13	112	32	130	46	28.72	209	286.2	286.1

Brown Trout	All	360	401	425	377	3468	99	4010	1404	88.22	6452	115.0	28.5
Rainbow Trout	<200mm	3	5	24	3	43	1	50	18	1.02	80	130.3	26.3
Rainbow Trout	>=200mm	1	1	1	1	9	3	10	4	2.80	16	310.0	362.0
Rainbow Trout	All	23	90	490	23	778	86	900	315	76.62	1448	175.3	110.3
White Sucker	All	13	13	15	13	112	99	130	46	88.13	209	428.7	878.0

Site Number: 1656
Site Midpoint (Latitude, Longitude): 44.05452135, -103.40589571
Survey Completed by: South Dakota Game, Fish and Parks
Stream Classification: BR2, RB0

Date Sampled: 09/16/2008
Site Length (m): 100
Mean Width (m): 9.0
Number of Pass: 3
Conductivity (umhos/cm): 385
pH: 9.7
Water Temperature (C): 13.8
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	53	58	66	53	645	28	580	261	25.22	933	161.0	43.8
Brown Trout	>=200mm	21	21	22	21	234	30	210	95	27.21	338	234.4	130.5
Brown Trout	All	185	235	275	195	2614	179	2350	1059	159.61	3781	181.8	68.4
Rainbow Trout	<200mm	1	1	1	1	11	1	10	5	0.67	16	189.0	67.0
Rainbow Trout	All	19	25	41	19	278	19	250	113	16.63	402	189.0	67.0

Site Number: 1752
Site Midpoint (Latitude, Longitude): 44.07974011, -103.42967056
Survey Completed by: South Dakota Game, Fish and Parks
Stream Classification: BR2, RB2

Date Sampled: 09/16/2008
Site Length (m): 100
Mean Width (m): 10.7
Number of Pass: 3
Conductivity (umhos/cm): 411
pH: 9.2
Water Temperature (C): 9.3
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	108	112	118	108	1047	33	1120	424	29.34	1802	134.4	31.4
Brown Trout	>=200mm	30	30	32	30	280	51	300	114	45.62	483	255.3	182.2

Brown Trout	All	288	337	368	306	3150	211	3370	1276	188.48	5422	160.7	67.0
Rainbow Trout	>=200mm	1	1	1	1	9	8	10	4	7.50	16	444.0	899.0
Rainbow Trout	All	139	165	189	141	1542	1386	1650	625	1237.80	2655	84.2	899.0

Site Number: 1833
Site Midpoint (Latitude, Longitude): 44.07611720, -103.47551527
Survey Completed by: South Dakota Game, Fish and Parks
Stream Classification: BR2, RB2

Date Sampled: 09/17/2008
Site Length (m): 100
Mean Width (m): 9.6
Number of Pass: 3
Conductivity (umhos/cm): 389
pH: 9.2
Water Temperature (C): 12.5
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	102	102	104	102	1063	42	1020	430	37.77	1641	134.9	39.8
Brown Trout	>=200mm	9	9	10	9	94	24	90	38	21.04	145	267.1	251.3
Brown Trout	All	263	292	312	272	3042	183	2920	1232	163.12	4698	145.6	60.1
Rainbow Trout	<200mm	16	16	17	16	167	7	160	68	6.62	257	88.1	44.5
Rainbow Trout	>=200mm	3	3	3	3	31	13	30	13	11.61	48	294.7	416.0
Rainbow Trout	All	19	19	20	19	198	33	190	80	29.75	306	120.7	168.3

Site Number: 1843
Site Midpoint (Latitude, Longitude): 44.07203156, -103.47488319
Survey Completed by: South Dakota Game, Fish and Parks
Stream Classification: BK0, BR3, RB1

Date Sampled: 09/17/2008
Site Length (m): 100
Mean Width (m): 8.2
Number of Pass: 3
Conductivity (umhos/cm): 392
pH: 9.7
Water Temperature (C): 9.3
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	37	1	30	15	0.95	48	108.0	29.0
Brook Trout	All	3	3	4	3	37	1	30	15	0.95	48	108.0	29.0
Brown Trout	<200mm	119	126	134	119	1540	46	1260	624	40.68	2027	109.8	29.6

Brown Trout	>=200mm	1	1	5	1	12	2	10	5	1.95	16	257.0	179.0
Brown Trout	All	347	432	481	383	5280	166	4320	2138	148.50	6951	111.0	31.5
Rainbow Trout	<200mm	23	23	23	23	281	9	230	114	7.78	370	57.2	31.0
Rainbow Trout	>=200mm	6	6	7	6	73	43	60	30	38.54	97	388.8	588.7
Rainbow Trout	All	60	64	71	60	782	351	640	317	313.77	1030	125.8	449.3

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: 09/18/2008
Site Length (m): 100
Mean Width (m): 9.3
Number of Pass: 3
Conductivity (umhos/cm): 394
pH: 9.0
Water Temperature (C): 8.6
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	2	2	3	2	22	2	20	9	1.38	32	128.5	72.0
Brook Trout	>=200mm	1	1	1	1	11	1	10	4	1.27	16	238.0	132.0
Brook Trout	All	3	3	4	3	32	3	30	13	2.94	48	165.0	102.0
Brown Trout	<200mm	94	95	98	94	1023	32	950	414	28.43	1529	111.4	31.1
Brown Trout	>=200mm	15	17	24	15	183	86	170	74	77.00	274	342.6	471.3
Brown Trout	All	262	324	365	283	3487	424	3240	1412	378.59	5213	143.3	121.6
Rainbow Trout	<200mm	16	25	54	16	269	10	250	109	8.53	402	59.9	35.5
Rainbow Trout	>=200mm	19	19	20	19	205	129	190	83	114.99	306	398.6	629.7
Rainbow Trout	All	44	45	48	44	484	278	450	196	247.86	724	243.7	573.1

Site Number: 1853
Site Midpoint (Latitude, Longitude): 44.07655505, -103.48401117
Survey Completed by: South Dakota Game, Fish and Parks
Stream Classification: BK3, BR3, RB2

Date Sampled: 09/18/2008
Site Length (m): 100
Mean Width (m): 10.9
Number of Pass: 3
Conductivity (umhos/cm): 389
pH: 9.2
Water Temperature (C): 9.8
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)
Brook Trout	<200mm	26	27	30	26	249	9	270	101	8.17	434	105.1	36.8
Brook Trout	>=200mm	3	3	4	3	28	8	30	11	7.11	48	263.0	288.3
Brook Trout	All	47	63	89	47	580	46	630	235	40.76	1014	121.4	78.7
Brown Trout	<200mm	81	84	89	81	773	30	840	313	26.65	1352	114.2	38.6
Brown Trout	>=200mm	4	4	4	4	37	14	40	15	12.68	64	301.3	385.8
Brown Trout	All	195	276	341	211	2541	161	2760	1029	143.80	4441	123.0	63.4
Rainbow Trout	<200mm	19	19	21	19	175	4	190	71	3.73	306	87.4	23.9
Rainbow Trout	>=200mm	4	4	5	4	37	42	40	15	37.12	64	463.8	1129.0
Rainbow Trout	All	36	35	43	36	322	109	350	130	97.70	563	152.9	339.6

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 Rapid Creek, 1998-2008

Site 1412

Species/Size	Date	Pop Est.	(95% C.I.)	Stream Classification
Brown Trout <200mm	Oct 05, 1999	149	127-171	
	Oct 17, 2000	216	214-220	
	Oct 17, 2001	141	139-145	
	Oct 10, 2002	306	293-319	
	Mar 05, 2003	101	93-111	
	Sep 26, 2005	261	251-271	
	Oct 05, 2006	137	108-167	

Brown Trout <200mm	Sep 24, 2007	249	217-281	
	Sep 15, 2008	209	195-223	
Brown Trout >=200mm	Oct 05, 1999	88	80-99	BR1
	Oct 17, 2000	185	185-186	BR1
	Oct 17, 2001	201	200-204	BR1
	Oct 10, 2002	140	139-143	BR1
	Mar 05, 2003	110	109-113	BR1
	Sep 26, 2005	44	35-61	BR1
	Oct 05, 2006	36	34-41	BR1
	Sep 24, 2007	41	41-42	BR1
	Sep 15, 2008	38	37-42	BR1
Green Sunfish	Oct 17, 2001	3	3-3	
	Sep 26, 2005	2	2-4	
	Oct 05, 2006	1	1-1	
	Sep 24, 2007	2	2-4	
	Sep 15, 2008	8	8-10	

Largemouth Bass	Sep 26, 2005	2	2-4	
	Sep 24, 2007	2	2-6	
	Sep 15, 2008	1	1-1	
Longnose Dace	Oct 17, 2000	10	10-11	
	Oct 17, 2001	7	7-8	
	Oct 10, 2002	9	9-11	
	Mar 05, 2003	3	4-7	
	Sep 26, 2005	3	3-4	
	Oct 05, 2006	1	1-2	
Rainbow Trout >=200mm	Sep 24, 2007	1	1-5	RB2
Rock Bass	Oct 05, 1999	1	1-1	
	Oct 17, 2001	16	16-16	
	Oct 10, 2002	15	15-17	
	Mar 05, 2003	3	3-5	
	Sep 26, 2005	7	7-9	
	Oct 05, 2006	2	2-4	

Rock Bass	Sep 24, 2007	12	12-14
	Sep 15, 2008	7	7-7
White Sucker	Oct 05, 1999	37	37-39
	Oct 17, 2000	59	59-59
	Oct 17, 2001	88	88-89
	Oct 10, 2002	69	68-72
	Mar 05, 2003	28	28-30
	Sep 26, 2005	99	96-104
	Oct 05, 2006	70	65-78

Site 1444

Species/Size	Date	Pop Est.	(95% C.I.)	Stream Classification
Brown Trout <200mm	Oct 12, 1999	158	133-183	
	Oct 10, 2000	694	623-765	
	Oct 16, 2001	223	186-260	
	Oct 07, 2002	370	357-383	
	Mar 07, 2003	74	69-81	

Brown Trout <200mm	Sep 22, 2005	475	424-526	
	Oct 04, 2006	123	123-123	
	Sep 20, 2007	118	118-119	
	Sep 15, 2008	342	326-358	
Brown Trout >=200mm	Oct 12, 1999	178	159-197	BR1
	Oct 10, 2000	198	181-215	BR1
	Oct 16, 2001	143	142-146	BR1
	Oct 07, 2002	64	64-64	BR1
	Mar 07, 2003	62	62-62	BR1
	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
Longnose Dace	Oct 10, 2000	6	3-36	
	Oct 16, 2001	2	2-3	
	Oct 07, 2002	15	16-20	

Longnose Dace	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
Rock Bass	Sep 20, 2007	2	2-4	
White Sucker	Oct 12, 1999	12	12-12	
	Oct 10, 2000	10	10-12	
	Oct 16, 2001	8	8-8	
	Oct 07, 2002	7	7-7	
	Mar 07, 2003	15	15-15	
	Sep 22, 2005	64	46-94	
	Oct 04, 2006	23	23-24	

White Sucker	Sep 20, 2007	24	24-26
	Sep 15, 2008	13	13-15

Site 1656

Species/Size	Date	Pop Est.	(95% C.I.)	Stream Classification
Brown Trout <200mm	Sep 29, 1999	189	131-247	
	Oct 04, 2000	205	184-226	
	Oct 01, 2001	249	213-285	
	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	
Brown Trout >=200mm	Sep 29, 1999	98	90-108	BR1
	Oct 04, 2000	84	84-85	BR1
	Oct 01, 2001	43	43-44	BR1
	Oct 25, 2002	30	30-30	BR1

Brown Trout >=200mm	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
Rainbow Trout <200mm	Oct 02, 2006	5	5-7	
	Sep 16, 2008	1	1-1	

Site 1752

Species/Size	Date	Pop Est.	(95% C.I.)	Stream Classification
Brown Trout <200mm	Oct 20, 1999	115	99-133	
	Jun 09, 2004	147	90-223	
	Sep 21, 2005	241	175-307	
	Oct 02, 2006	135	135-136	
	Sep 27, 2007	145	144-148	
	Sep 16, 2008	112	108-118	
Brown Trout >=200mm	Oct 20, 1999	138	135-143	BR1
	Jun 09, 2004	24	24-24	BR2

Brown Trout >=200mm	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
Rainbow Trout <200mm	Oct 02, 2006	9	9-10	
	Sep 27, 2007	19	19-19	
Rainbow Trout >=200mm	Sep 27, 2007	2	2-2	RB2
	Sep 16, 2008	1	1-1	RB2

Site 1833

Species/Size	Date	Pop Est.	(95% C.I.)	Stream Classification
Brook Trout <200mm	Oct 14, 1999	2	2-3	
	Oct 03, 2000	3	3-4	
	Oct 02, 2001	7	7-8	
	Oct 28, 2002	2	2-4	
	Oct 13, 2004	2	2-3	
Brown Trout <200mm	Oct 23, 1998	76	66-90	

Brown Trout <200mm	Oct 14, 1999	48	40-62	
	Oct 03, 2000	107	82-137	
	Oct 02, 2001	222	110-383	
	Oct 28, 2002	84	71-101	
	Oct 13, 2004	492	425-559	
	Sep 20, 2005	437	336-538	
	Oct 03, 2006	181	179-185	
	Oct 02, 2007	55	50-64	
	Sep 17, 2008	102	102-104	
Brown Trout >=200mm	Oct 23, 1998	66	65-69	BR1
	Oct 14, 1999	61	61-62	BR1
	Oct 03, 2000	89	89-91	BR1
	Oct 02, 2001	62	62-63	BR1
	Oct 28, 2002	37	36-40	BR1
	Oct 13, 2004	7	7-7	BR2
	Sep 20, 2005	5	5-5	BR3

Brown Trout >=200mm	Oct 03, 2006	4	4-4	BR3
	Oct 02, 2007	6	6-7	BR2
	Sep 17, 2008	9	9-10	BR2
Rainbow Trout <200mm	Oct 23, 1998	1	1-1	
	Oct 14, 1999	5	5-7	
	Oct 03, 2000	9	9-11	
	Oct 02, 2001	1	1-1	
	Oct 28, 2002	2	2-3	
	Oct 13, 2004	4	4-6	
	Sep 20, 2005	12	10-20	
	Oct 03, 2006	12	12-13	
	Sep 17, 2008	16	16-17	
Rainbow Trout >=200mm	Oct 14, 1999	1	1-1	RB2
	Oct 03, 2000	1	1-1	RB2
	Oct 02, 2001	3	3-4	RB2
	Oct 28, 2002	1	1-5	RB2

Rainbow Trout >=200mm	Sep 20, 2005	2	2-2	RB2
	Oct 02, 2007	1	1-2	RB2
	Sep 17, 2008	3	3-3	RB2
Rock Bass	Oct 02, 2001	1	1-1	

Site 1843

Species/Size	Date	Pop Est.	(95% C.I.)	Stream Classification
Brook Trout <200mm	Oct 04, 1999	1	1-1	
	Oct 01, 2001	8	7-14	
	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	
Brown Trout <200mm	Oct 23, 1998	94	81-110	
	Oct 04, 1999	27	24-34	
	Oct 02, 2000	21	16-36	

Brown Trout <200mm	Oct 01, 2001	53	28-121	
	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	
Brown Trout >=200mm	Oct 23, 1998	152	117-187	BR1
	Oct 04, 1999	68	67-71	BR1
	Oct 02, 2000	37	36-40	BR1
	Oct 01, 2001	58	58-58	BR1
	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

Brown Trout >=200mm	Sep 17, 2008	1	1-5	BR3
Rainbow Trout <200mm	Oct 23, 1998	7	7-7	
	Oct 04, 1999	4	4-5	
	Oct 02, 2000	2	2-6	
	Sep 19, 2005	27	21-42	
	Oct 03, 2006	18	15-27	
	Oct 02, 2007	1	1-1	
	Sep 17, 2008	23	23-23	
Rainbow Trout >=200mm	Oct 23, 1998	1	1-2	RB2
	Oct 02, 2000	1	1-2	RB2
	Oct 01, 2001	1	1-1	RB2
	Sep 19, 2005	2	2-2	RB2
	Sep 17, 2008	6	6-7	RB1

Site 1849

Species/Size	Date	Pop Est.	(95% C.I.)	Stream Classification
Brook Trout <200mm	Oct 22, 1998	50	40-67	

Brook Trout <200mm	Oct 14, 1999	10	11-13	
	Oct 18, 1999	5	5-7	
	Sep 28, 2006	1	1-1	
	Sep 25, 2007	4	4-5	
	Sep 18, 2008	2	2-3	
Brook Trout >=200mm	Oct 22, 1998	2	2-3	BK3
	Oct 14, 1999	9	8-14	BK2
	Sep 25, 2007	1	1-1	BK3
	Sep 18, 2008	1	1-1	BK3
Brown Trout <200mm	Oct 22, 1998	156	141-171	
	Oct 14, 1999	146	105-191	
	Oct 18, 1999	66	64-70	
	Sep 28, 2006	139	108-171	
	Sep 25, 2007	253	225-281	
	Sep 18, 2008	95	94-98	
Brown Trout >=200mm	Oct 22, 1998	55	48-67	BR1

Brown Trout >=200mm	Oct 14, 1999	148	94-216	BR1
	Oct 18, 1999	56	56-57	BR1
	Sep 25, 2007	17	16-21	BR2
	Sep 18, 2008	17	15-24	BR2
Rainbow Trout <200mm	Oct 22, 1998	1	1-1	
	Oct 14, 1999	18	17-22	
	Oct 18, 1999	2	2-6	
	Sep 28, 2006	3	3-4	
	Sep 18, 2008	25	16-54	
Rainbow Trout >=200mm	Oct 22, 1998	2	2-2	RB2
	Sep 25, 2007	29	28-33	RB1
	Sep 18, 2008	19	19-20	RB1

Site 1853

Species/Size	Date	Pop Est.	(95% C.I.)	Stream Classification
Brook Trout <200mm	Oct 22, 1998	16	13-26	
	Oct 04, 1999	18	18-20	

Brook Trout <200mm	Oct 03, 2000	11	12-15	
	Oct 02, 2001	17	17-17	
	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	
Brook Trout >=200mm	Oct 22, 1998	1	1-1	BK3
	Oct 04, 1999	3	3-4	BK3
	Oct 03, 2000	6	6-9	BK2
	Oct 02, 2001	10	8-19	BK2
	Sep 23, 2002	3	3-4	BK3
	Jul 07, 2004	1	1-1	BK3
	Sep 19, 2005	5	5-6	BK3
	Sep 28, 2006	5	5-5	BK3

Brook Trout >=200mm	Sep 25, 2007	4	4-4	BK3
	Sep 18, 2008	3	3-4	BK3
Brown Trout <200mm	Oct 22, 1998	148	94-216	
	Oct 04, 1999	67	63-74	
	Oct 03, 2000	42	42-43	
	Oct 02, 2001	81	72-93	
	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	
Brown Trout >=200mm	Oct 22, 1998	76	53-113	BR1
	Oct 04, 1999	51	50-54	BR1
	Oct 03, 2000	35	34-39	BR2
	Oct 02, 2001	53	53-55	BR1

Brown Trout >=200mm	Sep 23, 2002	28	28-28	BR2
	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
Rainbow Trout <200mm	Oct 22, 1998	1	1-2	
	Oct 04, 1999	44	34-63	
	Oct 03, 2000	118	93-146	
	Oct 02, 2001	43	43-45	
	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	
Rainbow Trout >=200mm	Oct 22, 1998	4	4-7	RB2

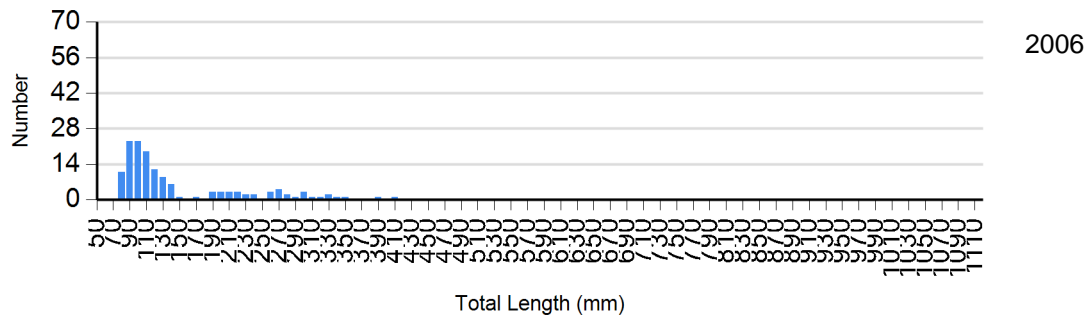
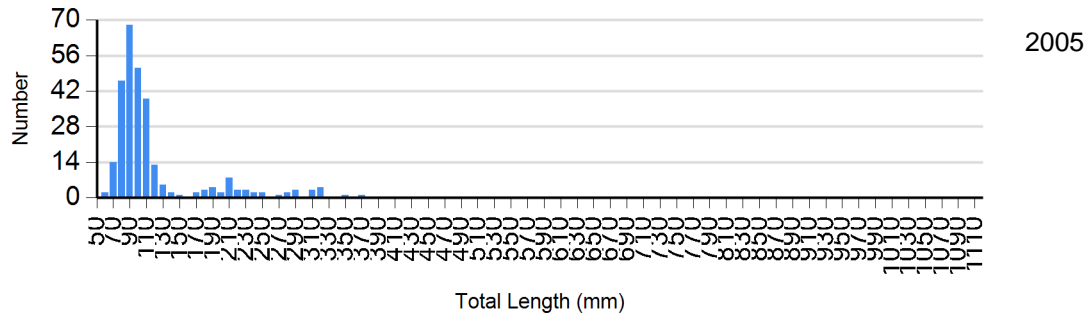
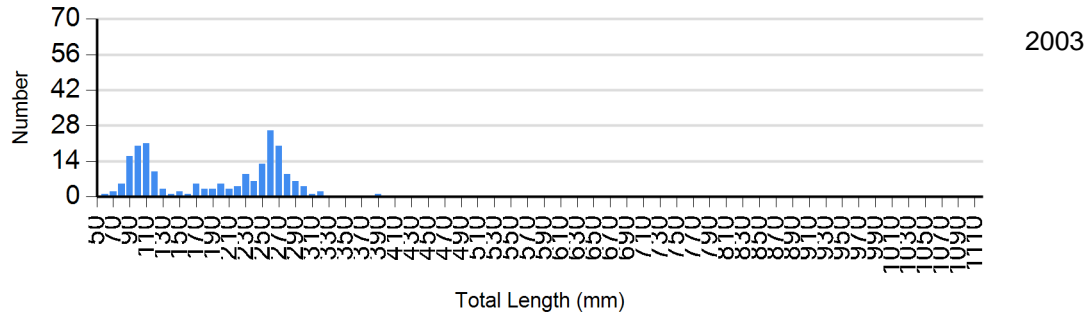
Rainbow Trout >=200mm	Oct 04, 1999	3	3-5	RB2
	Oct 03, 2000	26	24-32	RB1
	Oct 02, 2001	20	20-21	RB1
	Sep 23, 2002	24	24-25	RB1
	Jul 07, 2004	6	6-7	RB2
	Sep 19, 2005	5	3-24	RB2
	Sep 28, 2006	16	16-17	RB1
	Sep 25, 2007	4	4-4	RB2
	Sep 18, 2008	4	4-5	RB2
Rock Bass	Sep 28, 2006	1	1-5	

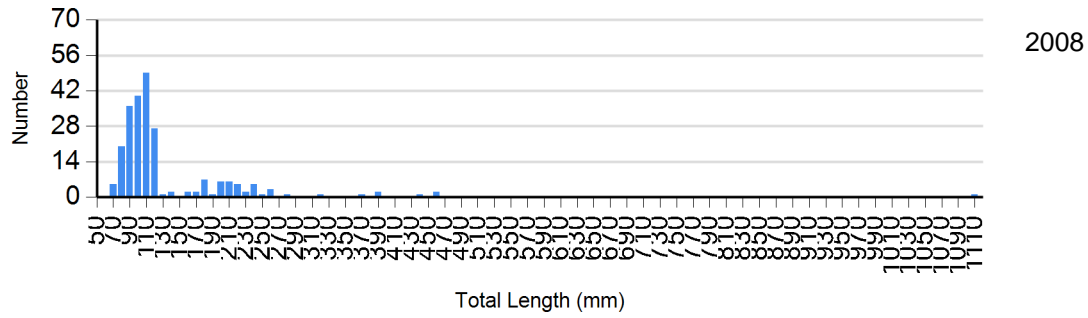
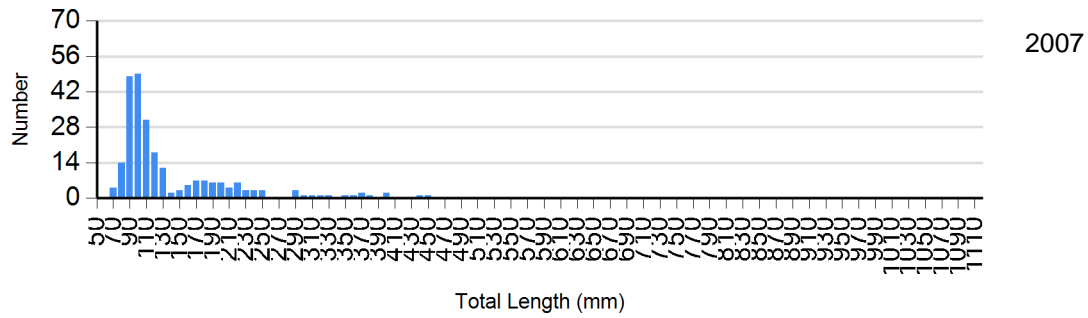
Length Frequency Distribution

Length frequency histogram of species sampled by year.

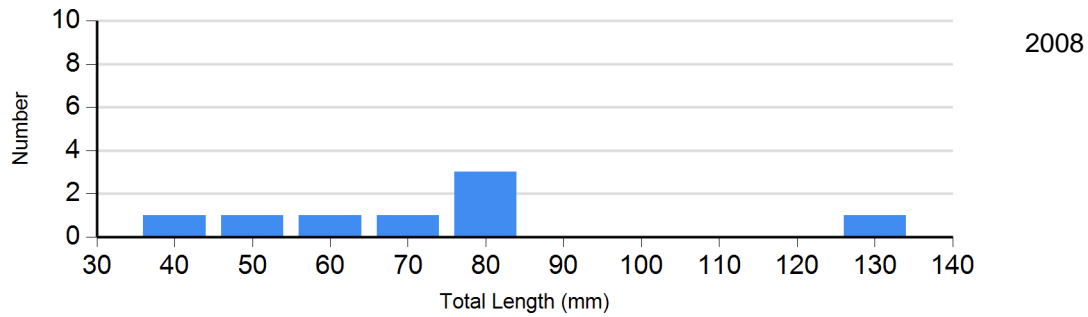
Site: 1412

Species: Brown Trout

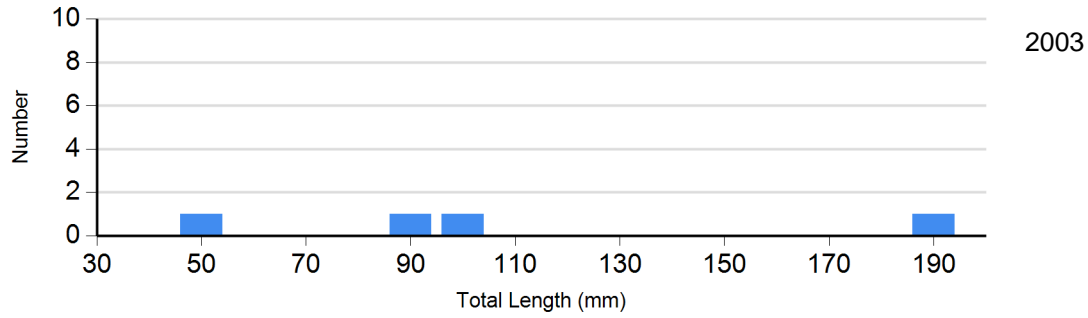




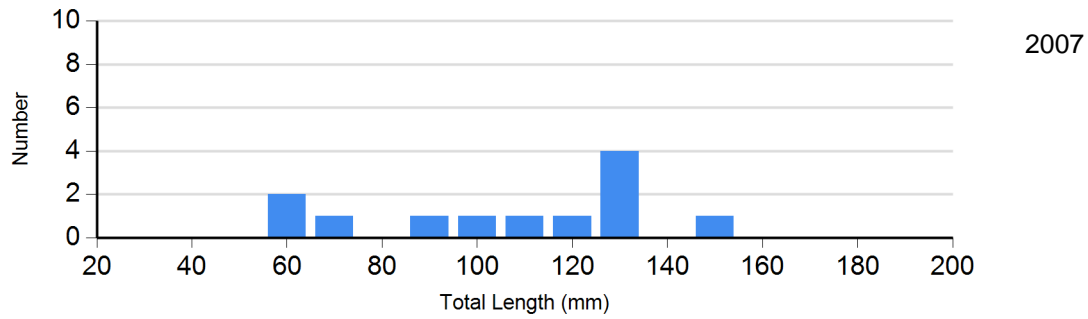
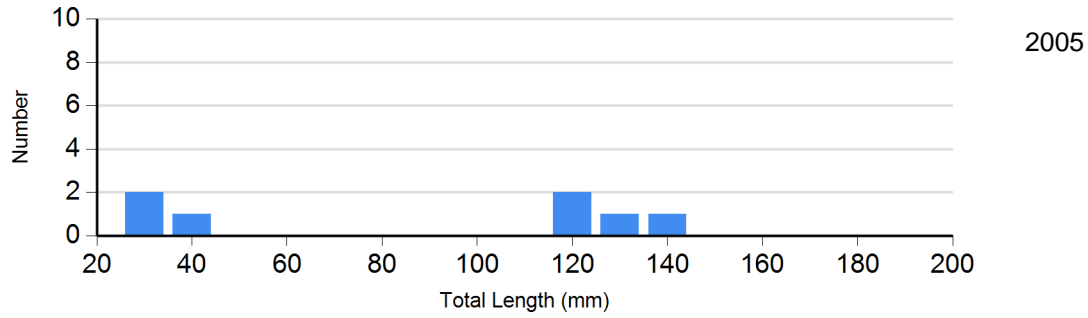
Site: 1412
Species: Green Sunfish

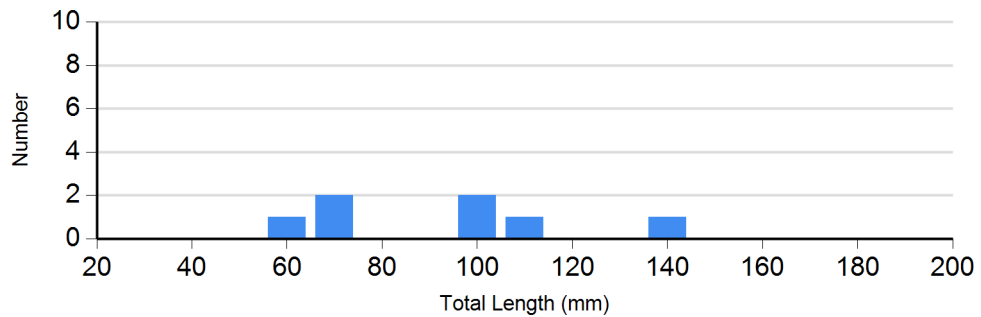


Site: 1412
Species: Longnose Dace



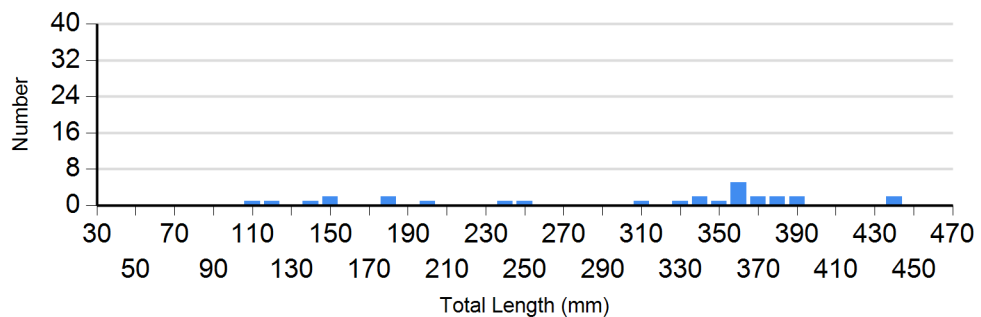
Site: 1412
Species: Rock Bass



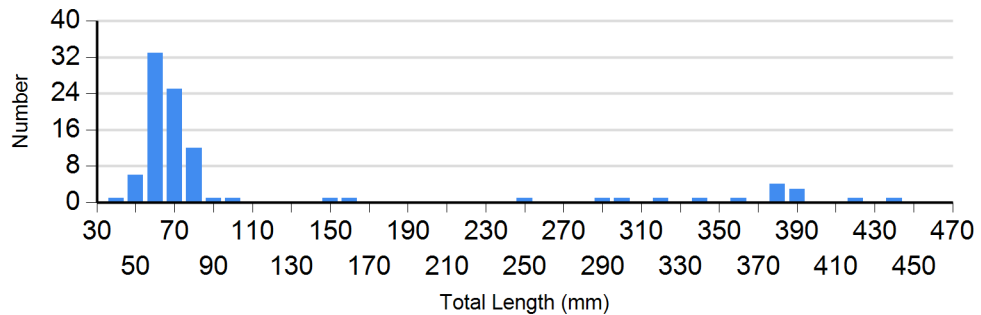


2008

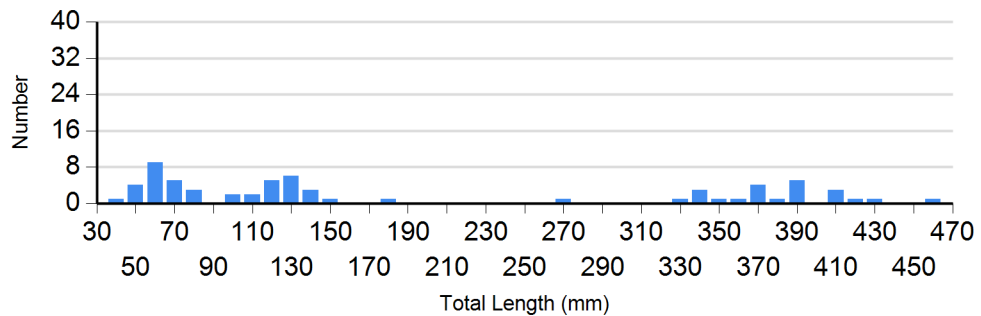
Site: 1412
Species: White Sucker



2003

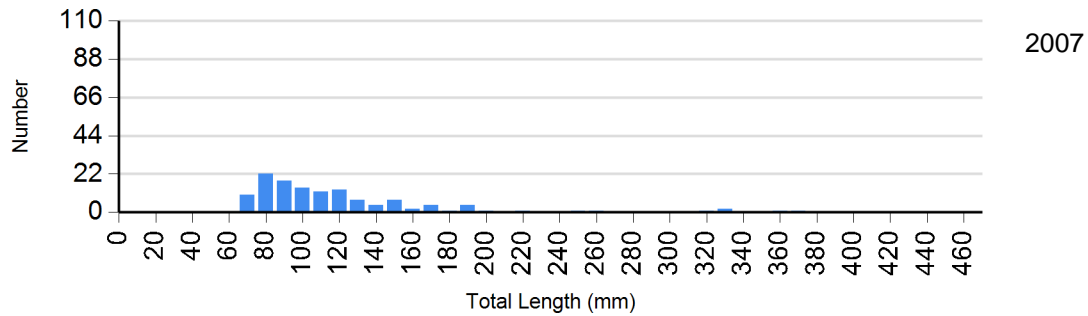
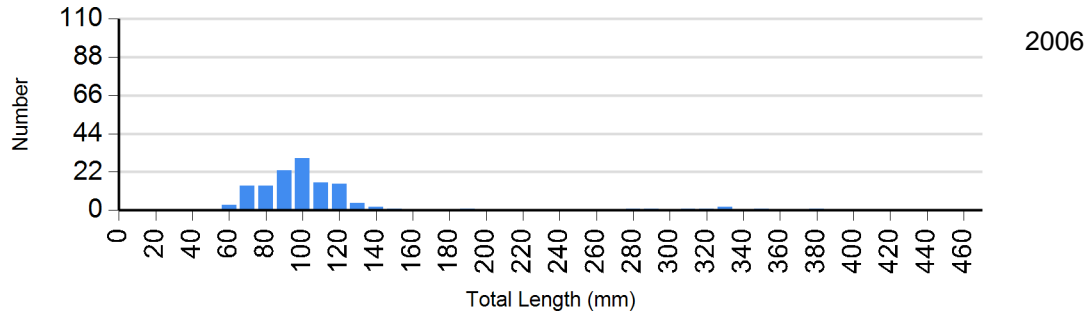
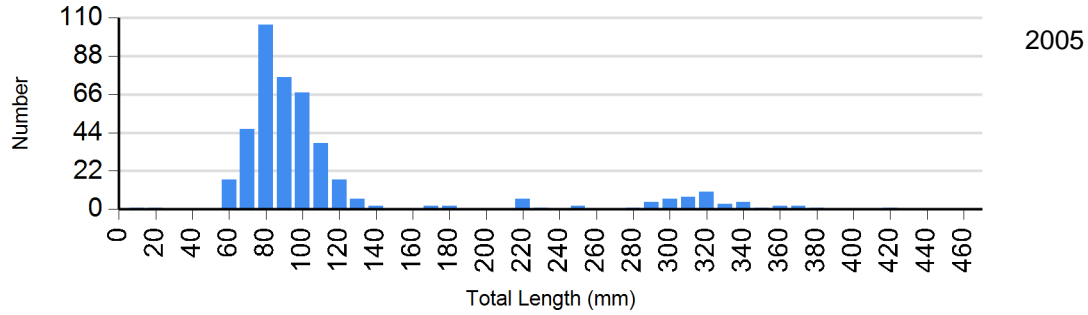
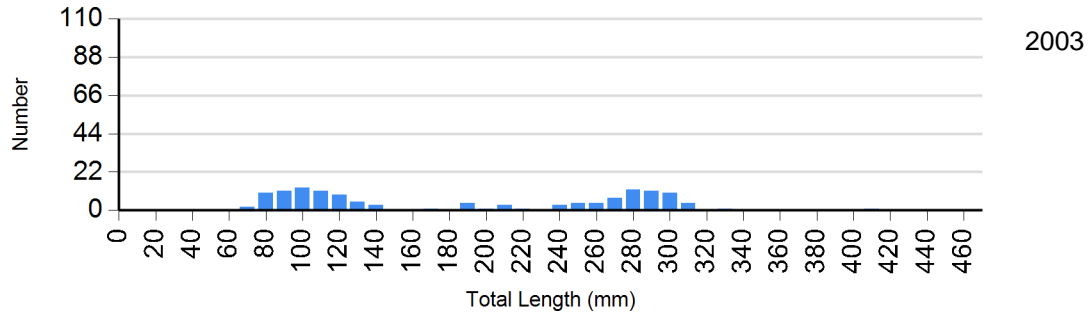


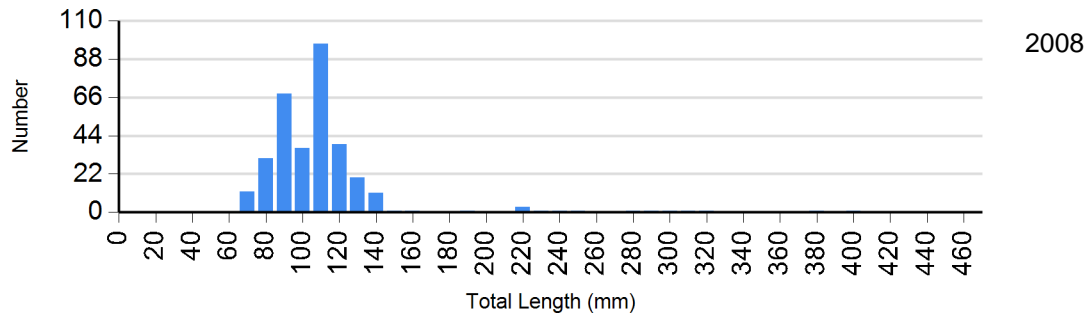
2005



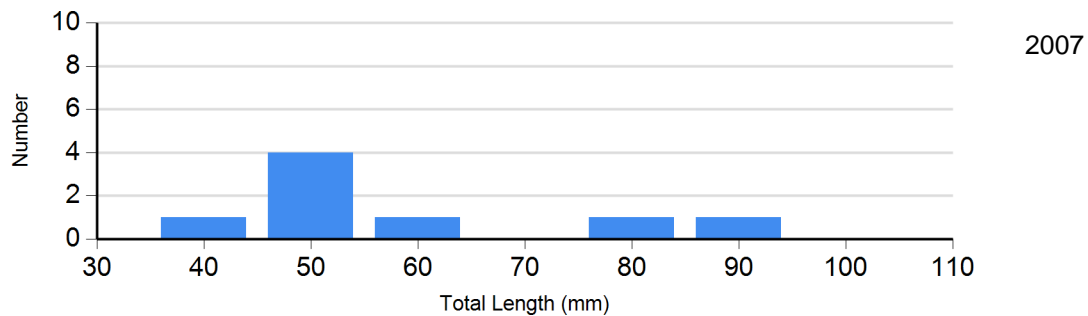
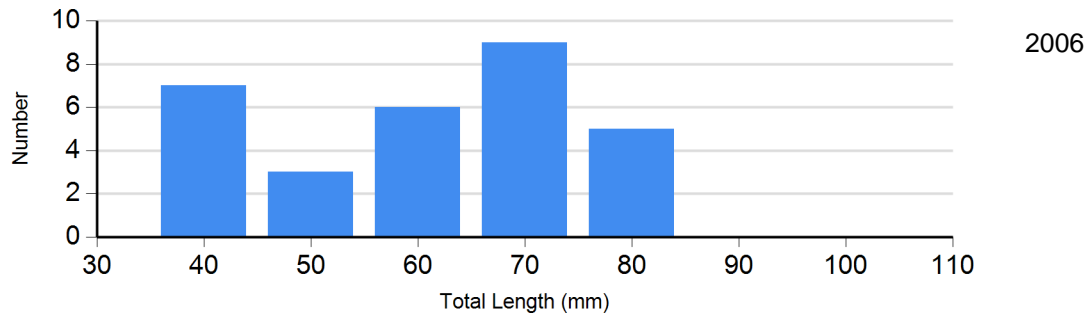
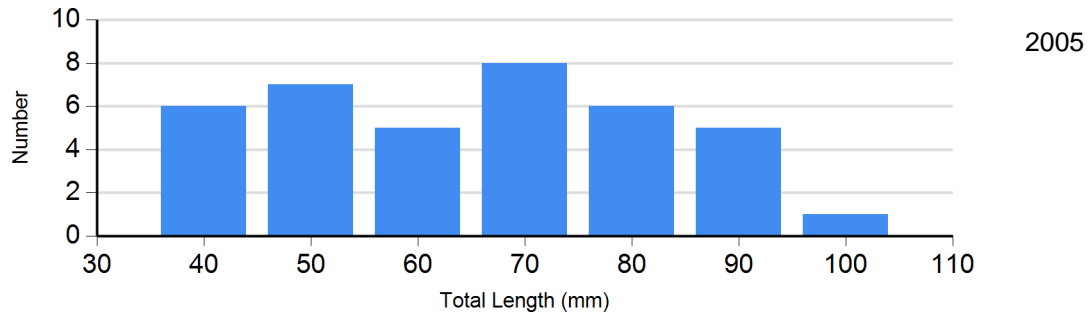
2006

Site: 1444
Species: Brown Trout

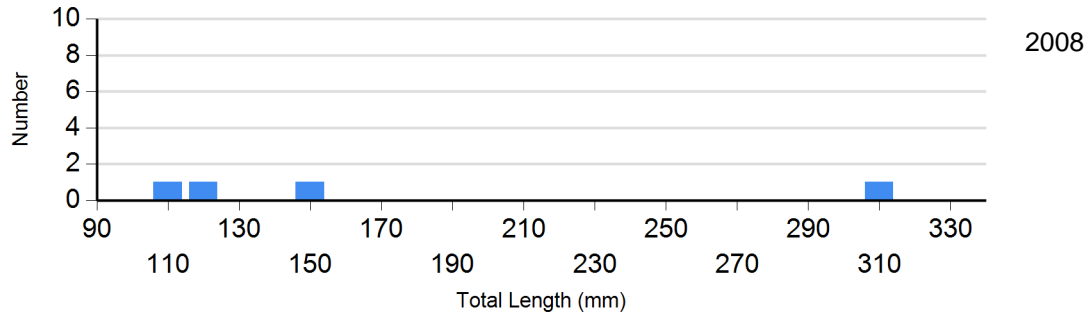




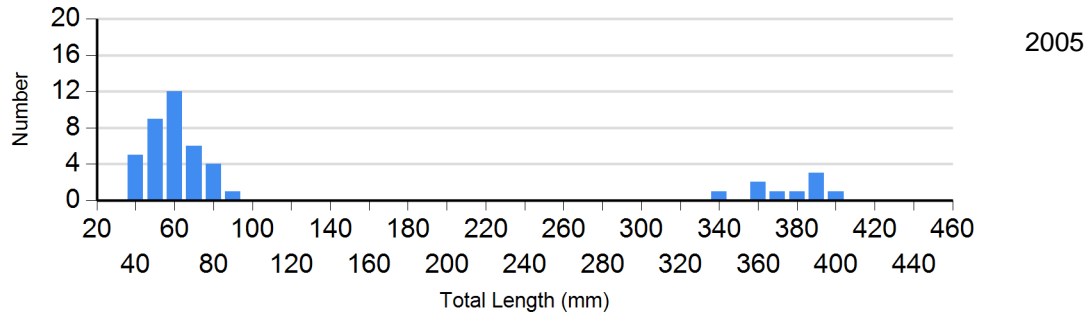
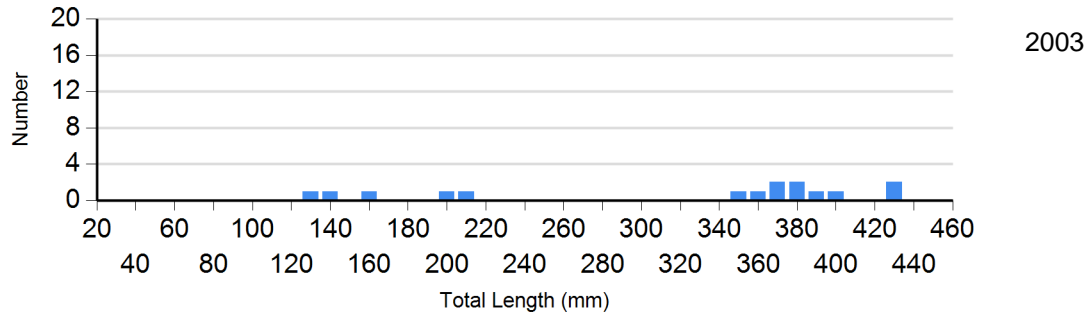
Site: 1444
Species: Longnose Dace

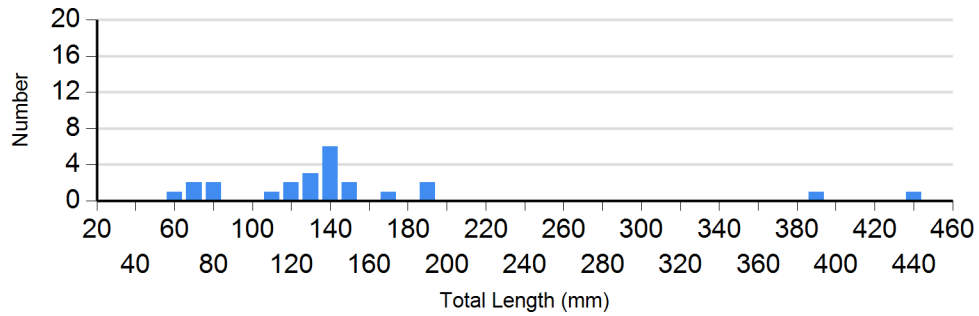
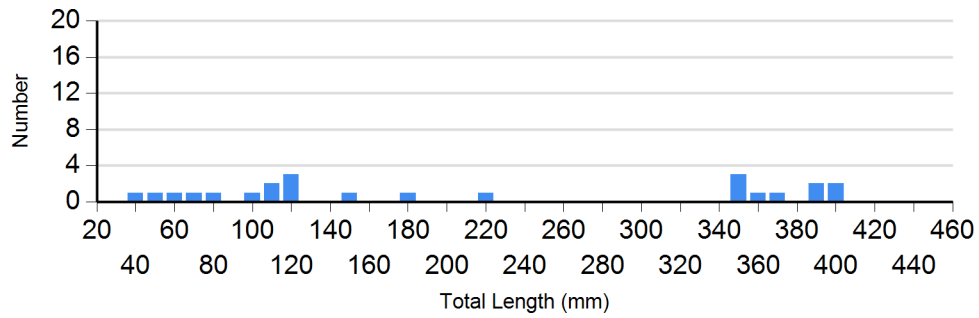


Site: 1444
Species: Rainbow Trout

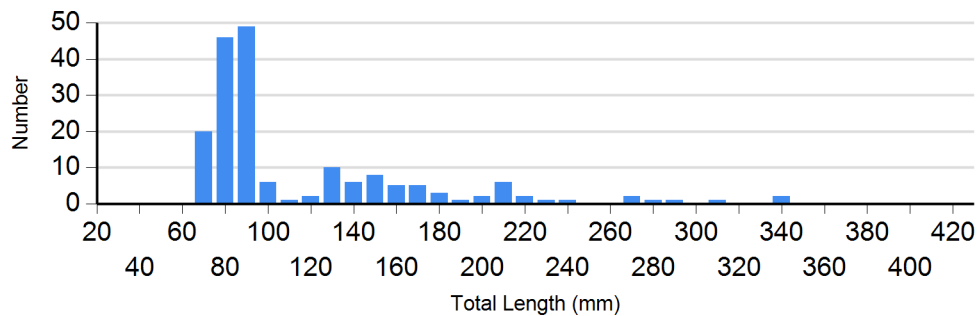
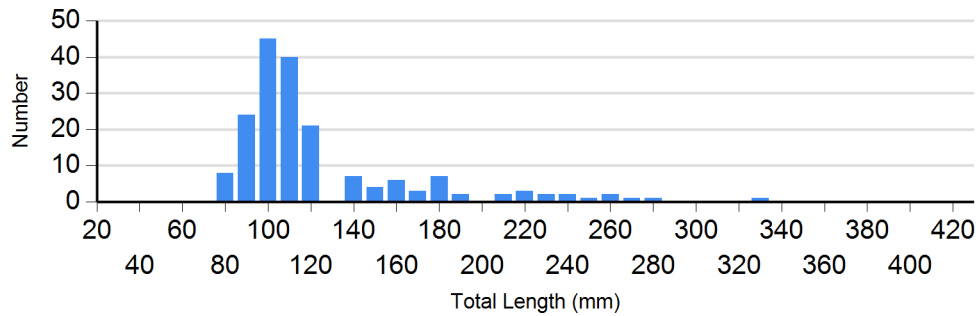


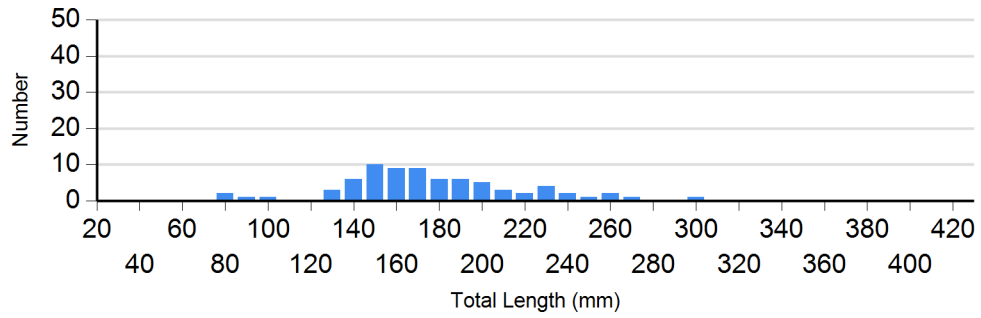
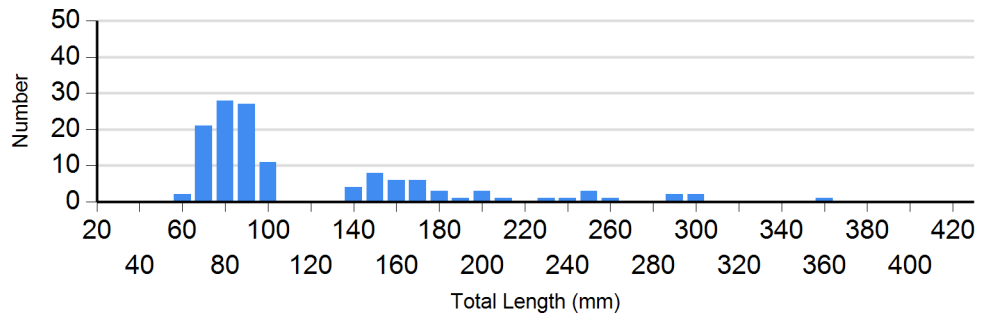
Site: 1444
Species: White Sucker



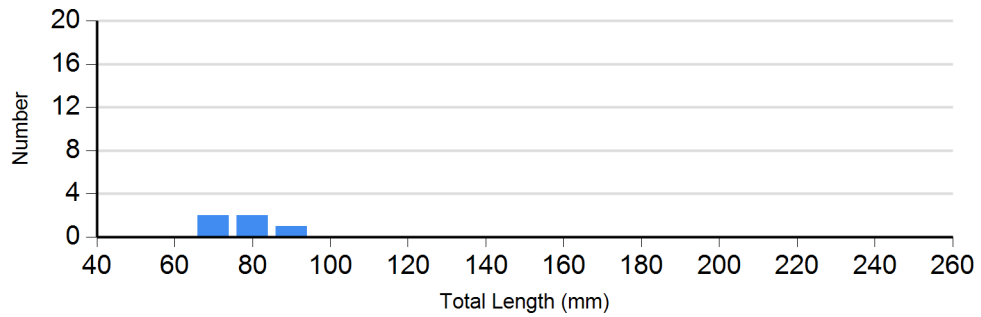


Site: 1656
Species: Brown Trout

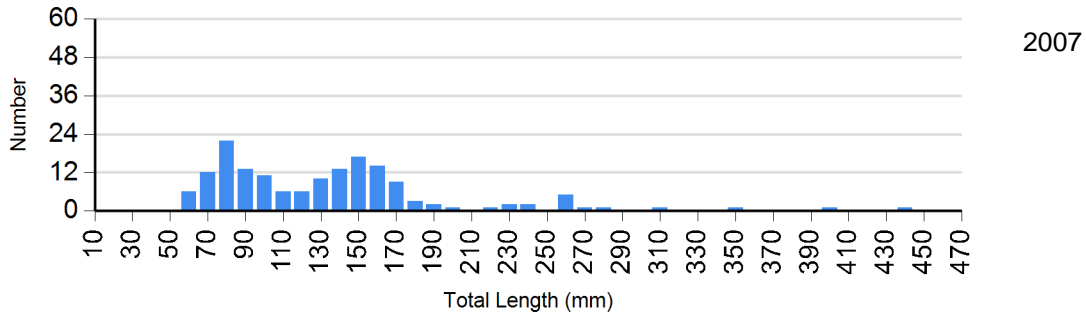
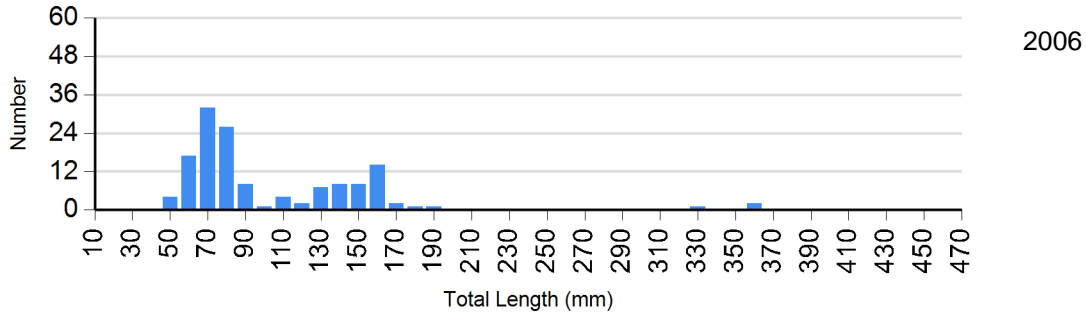
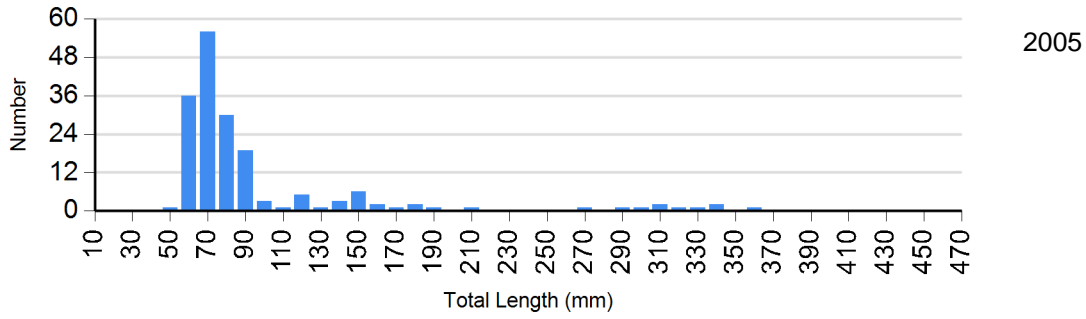
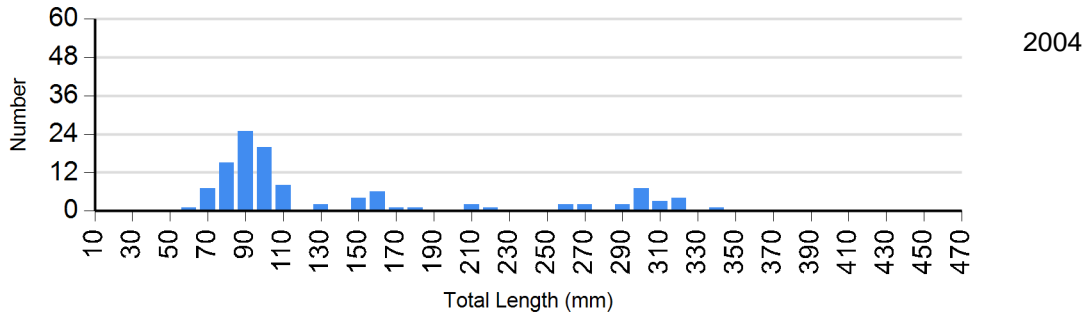


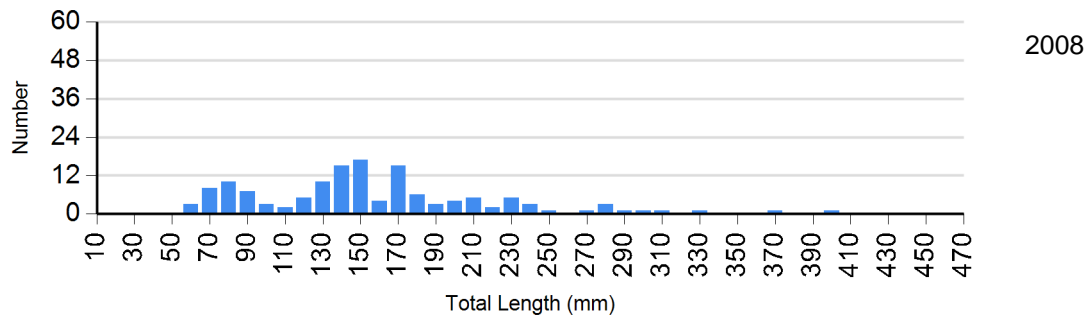


Site: 1656
Species: Rainbow Trout

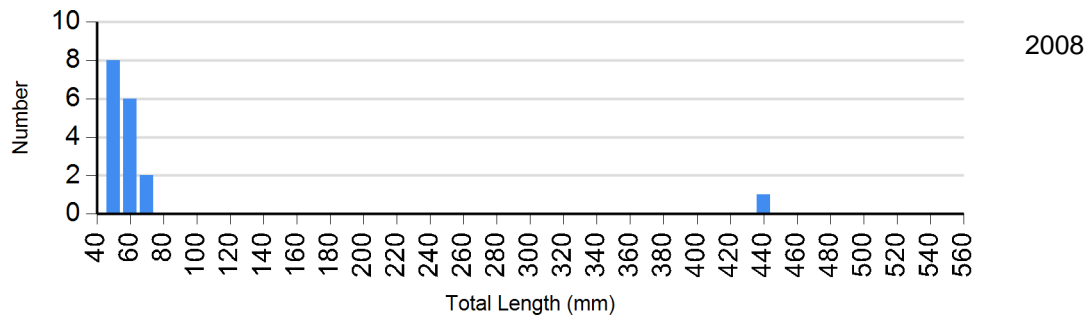
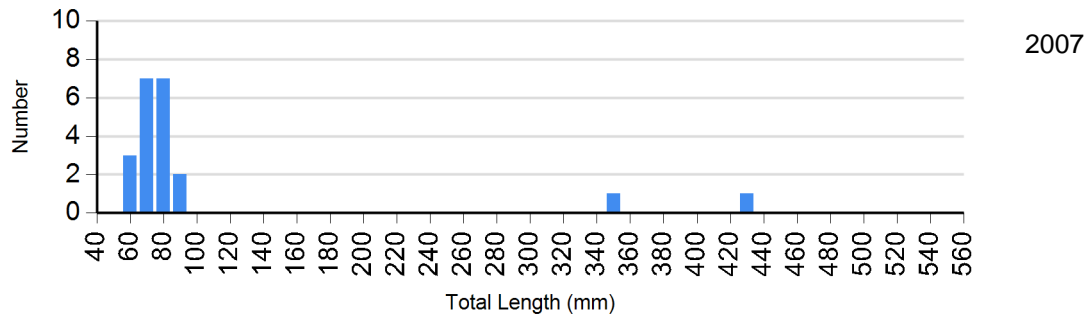
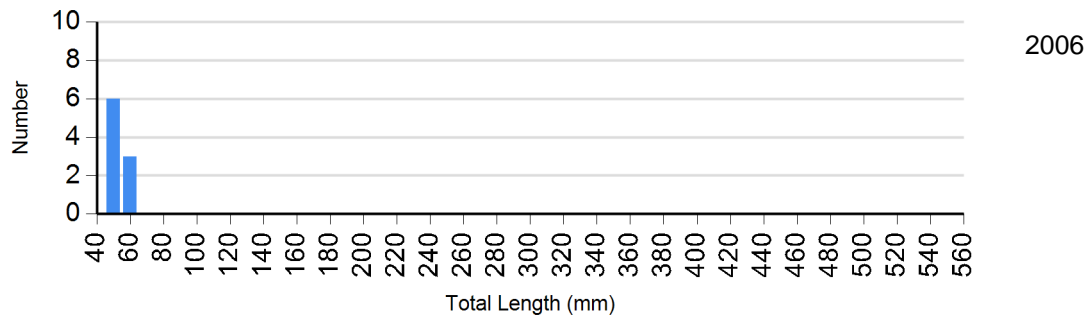


Site: 1752
Species: Brown Trout

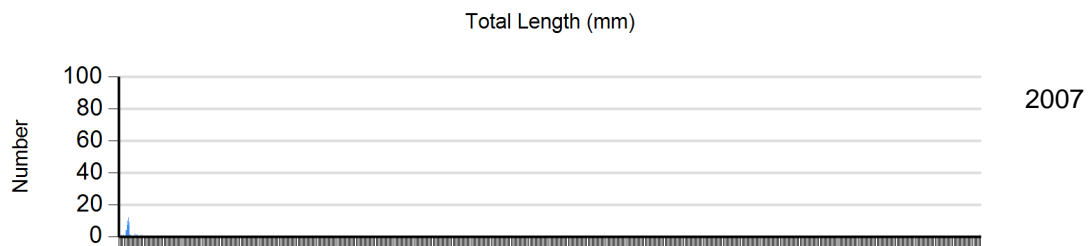
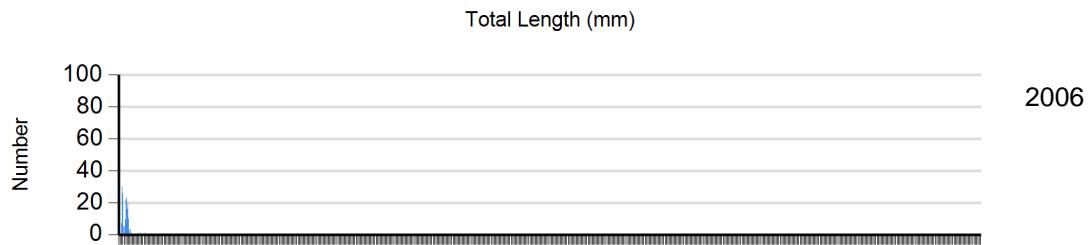
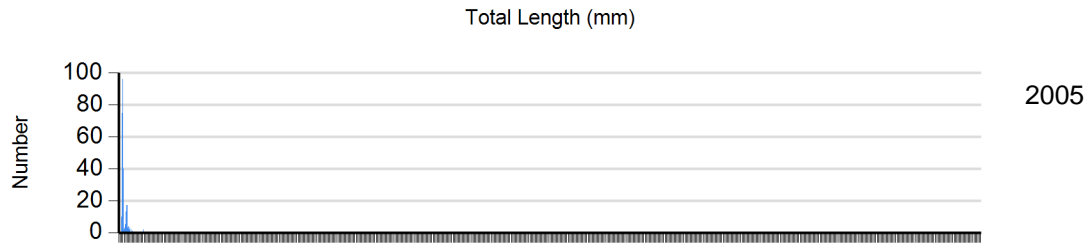
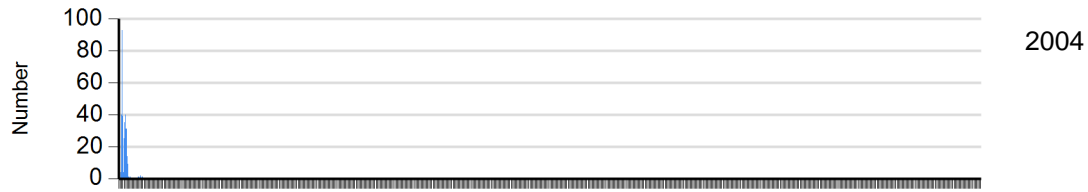


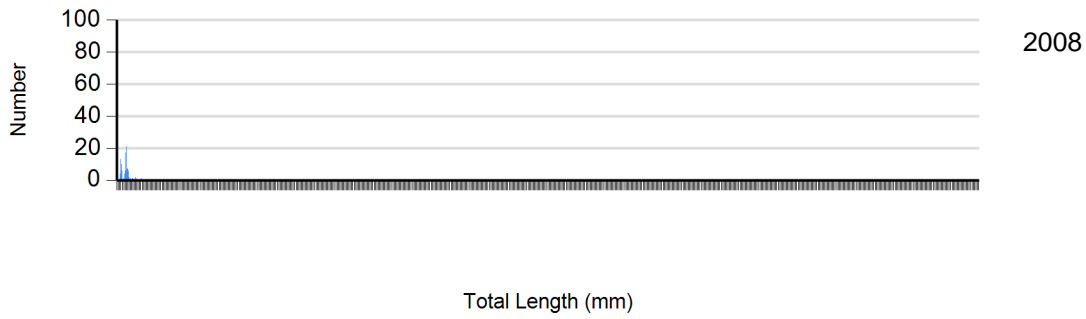


Site: 1752
Species: Rainbow Trout

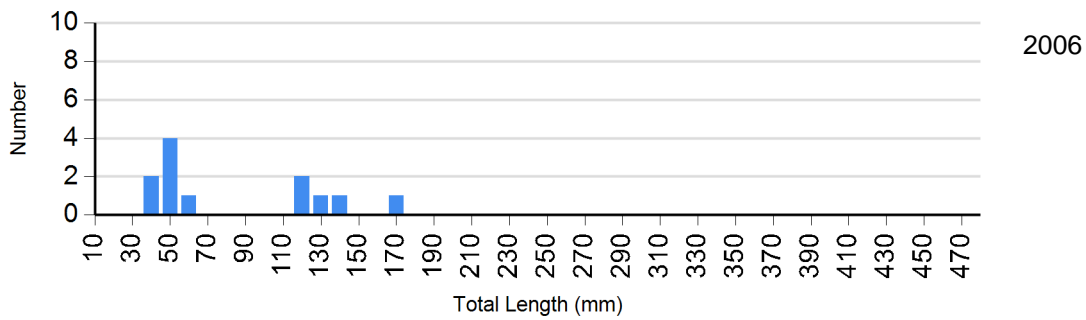
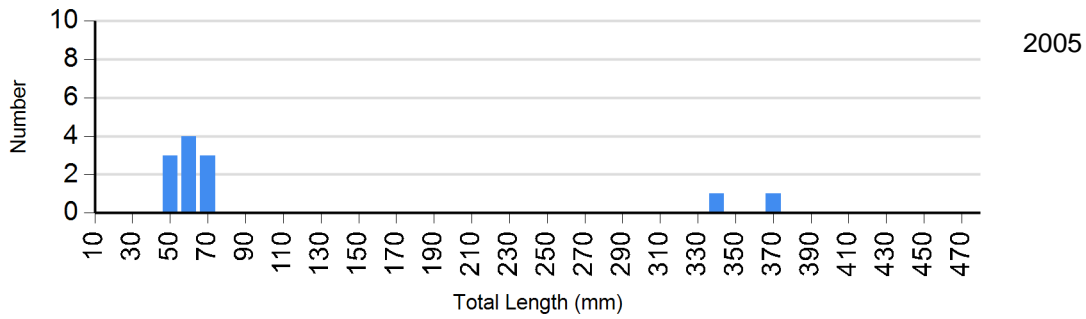
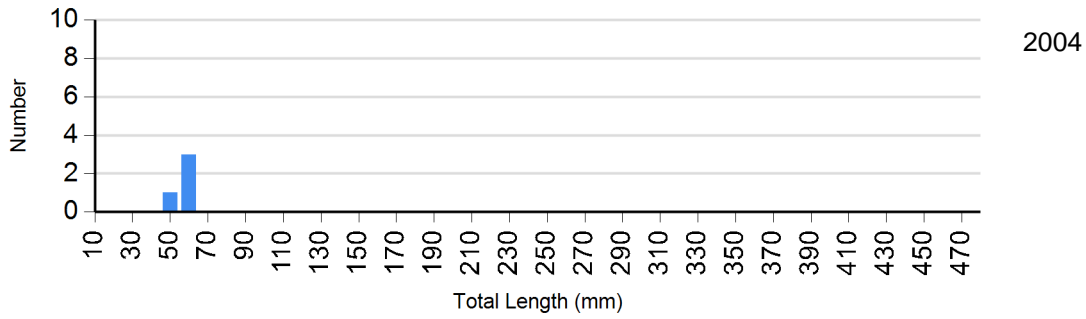


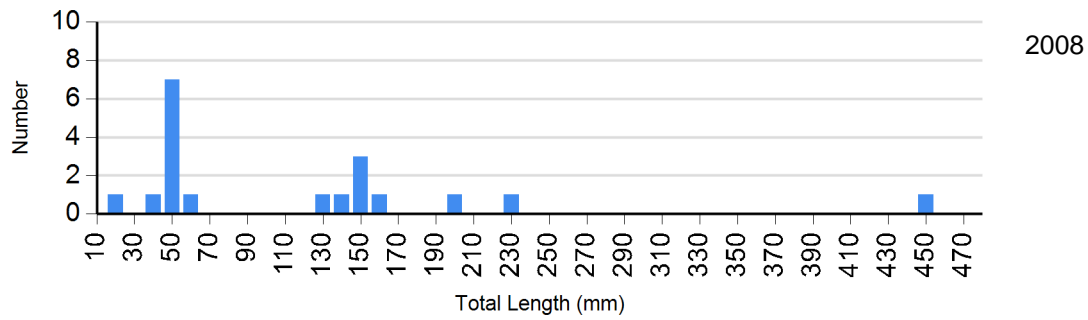
Site: 1833
Species: Brown Trout



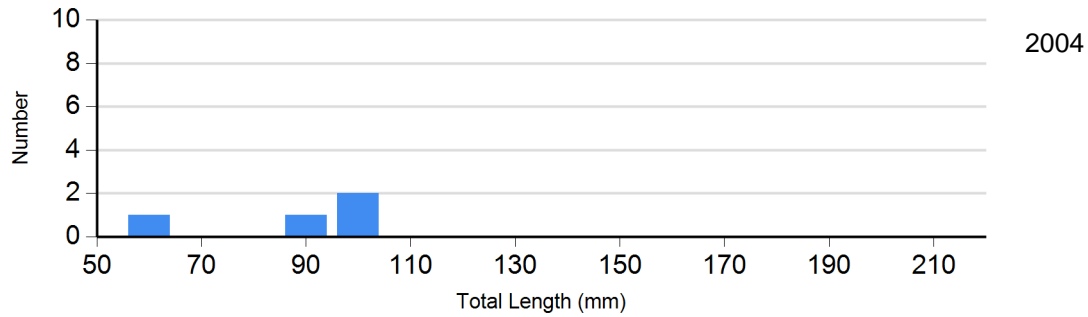


Site: 1833
Species: Rainbow Trout

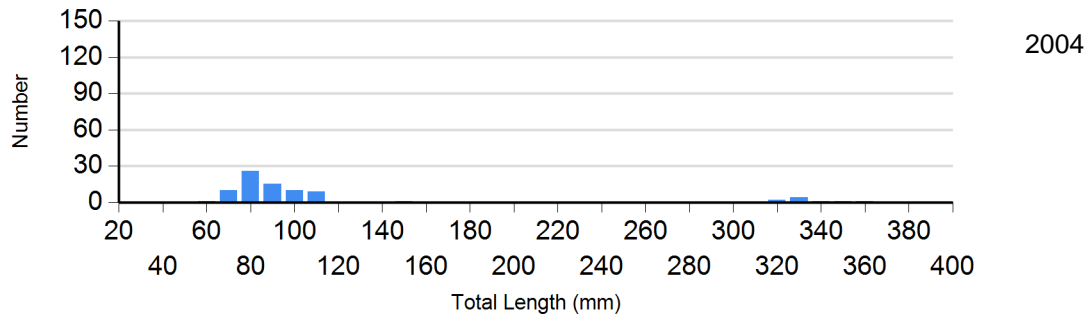


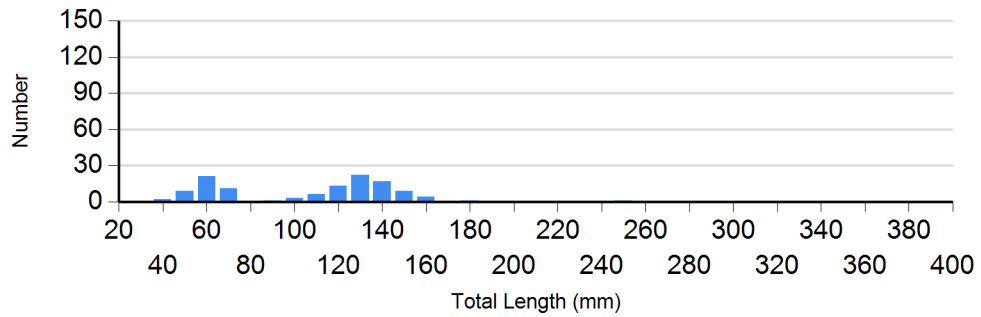
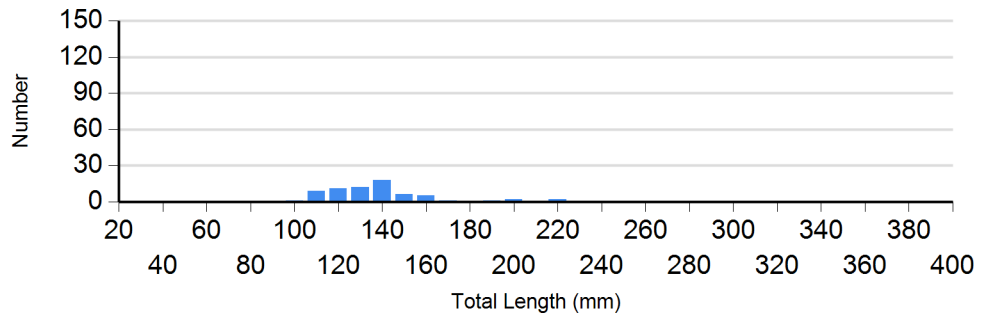
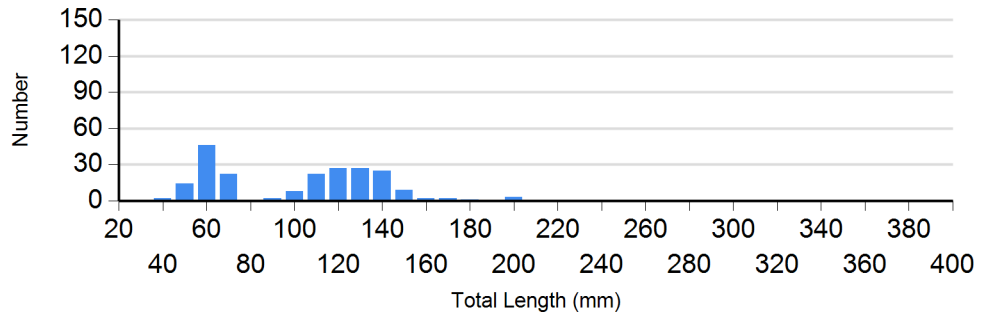
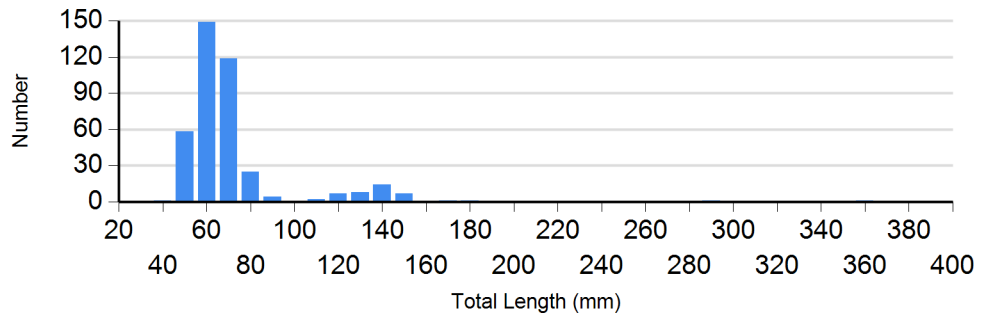


Site: 1843
Species: Brook Trout

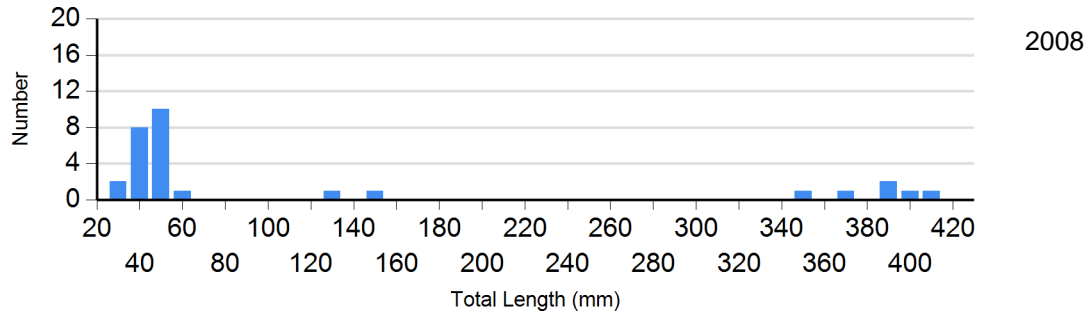
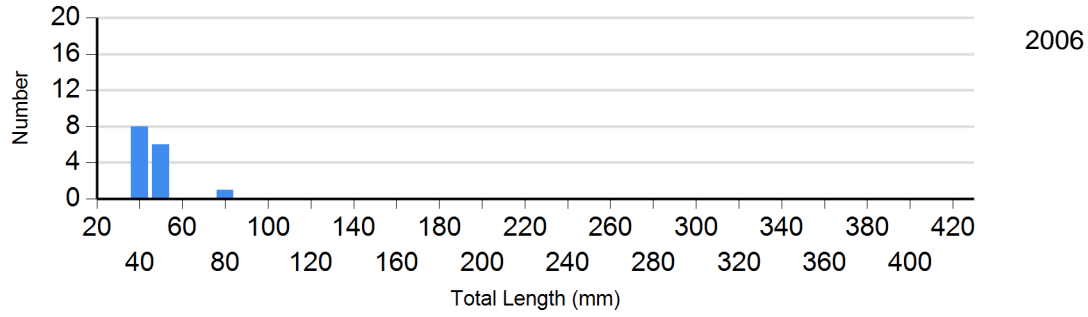
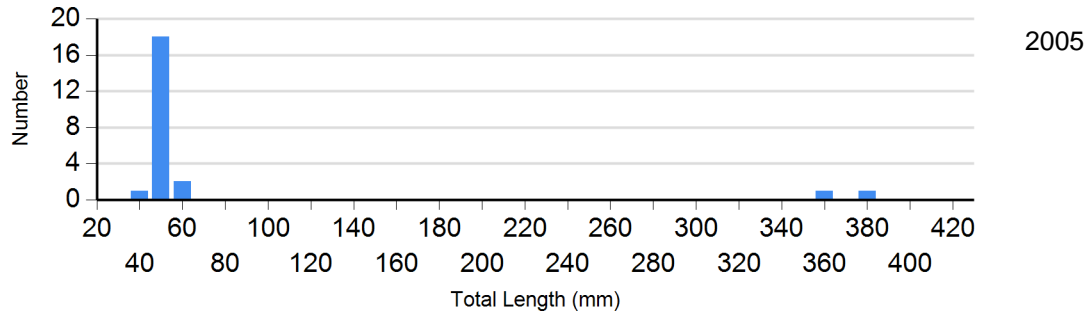


Site: 1843
Species: Brown Trout

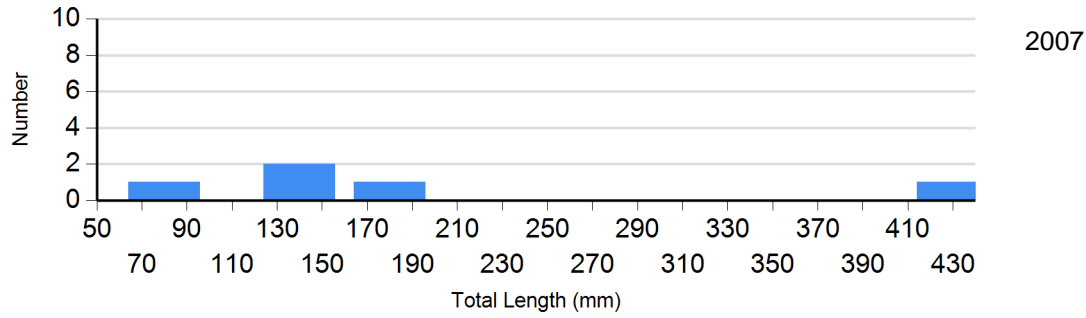




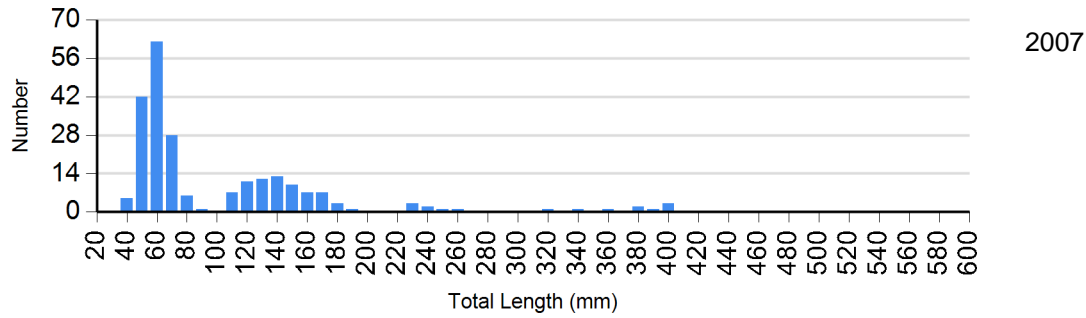
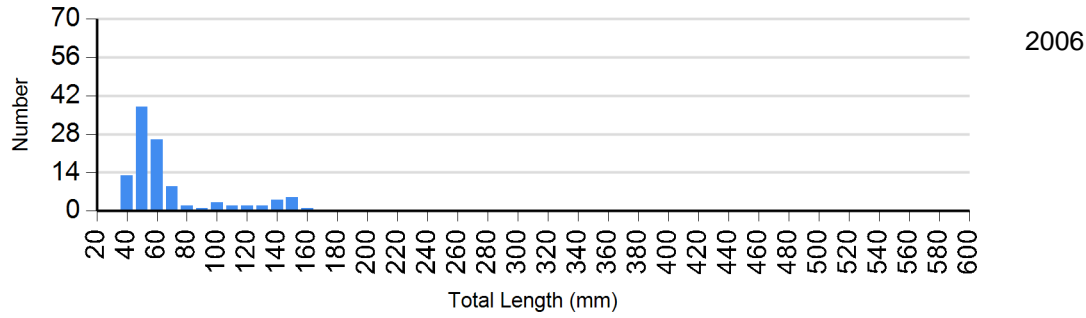
Site: 1843
Species: Rainbow Trout

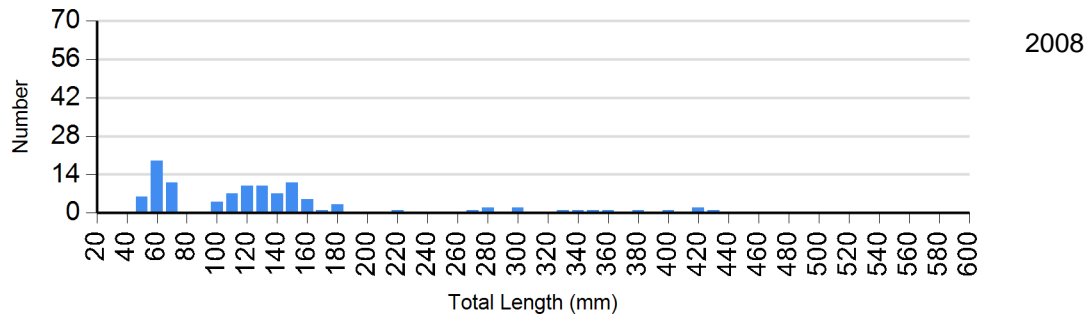


Site: 1849
Species: Brook Trout

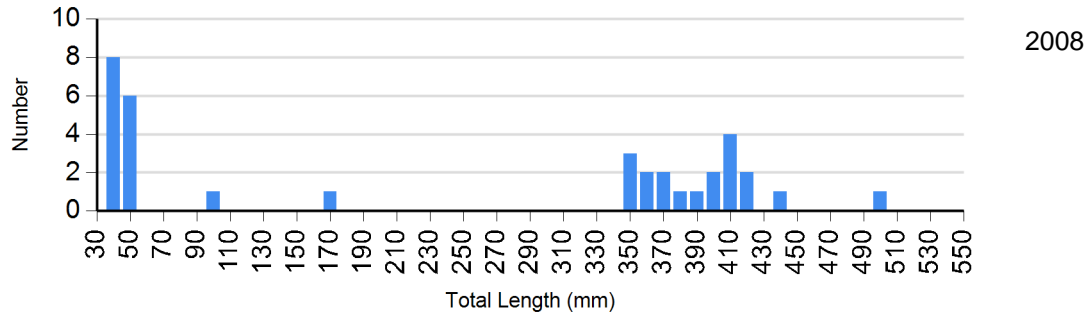
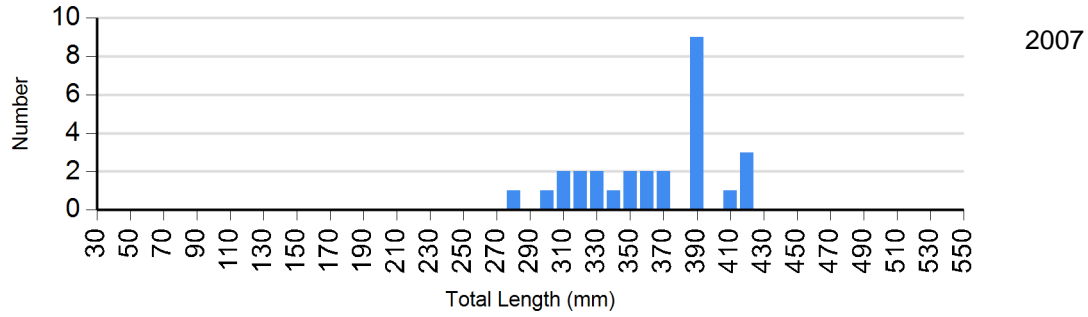


Site: 1849
Species: Brown Trout

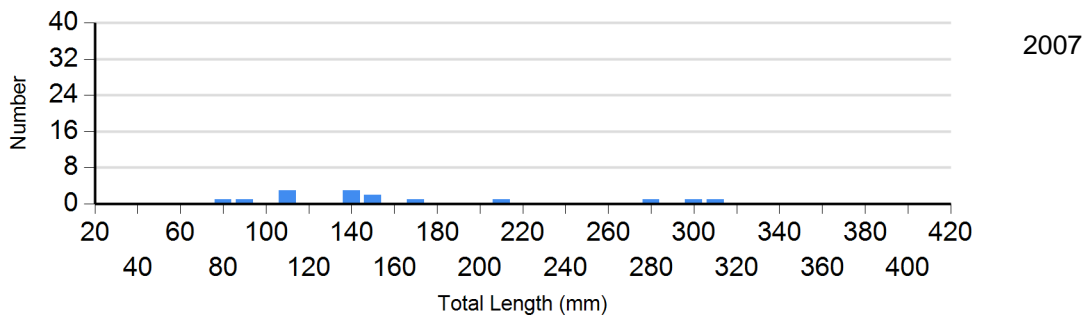
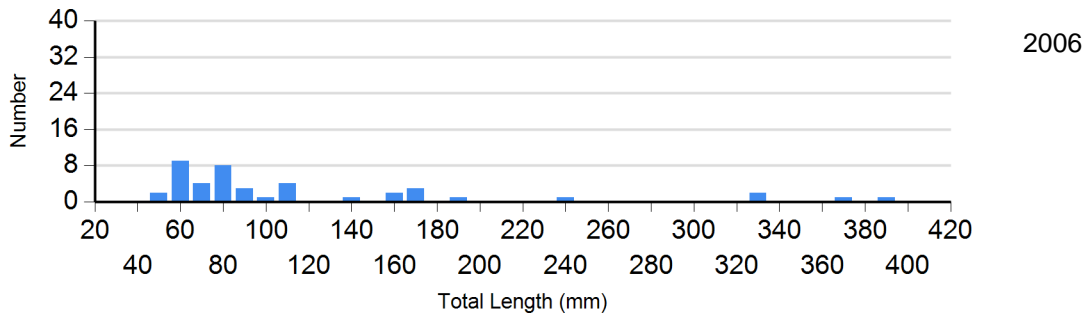
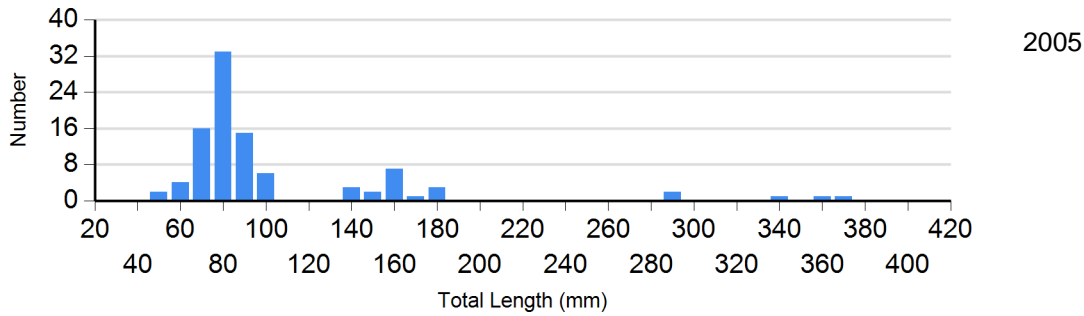
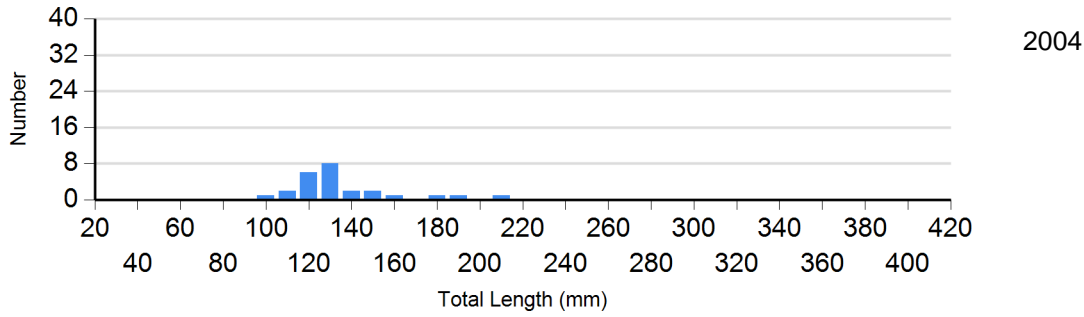


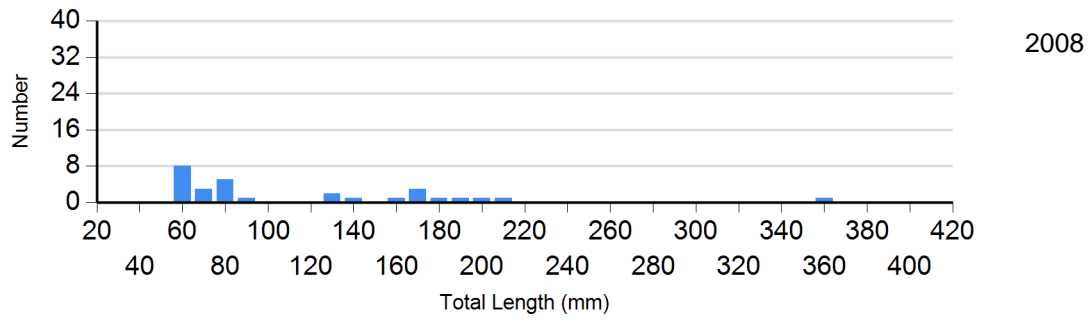


Site: 1849
Species: Rainbow Trout

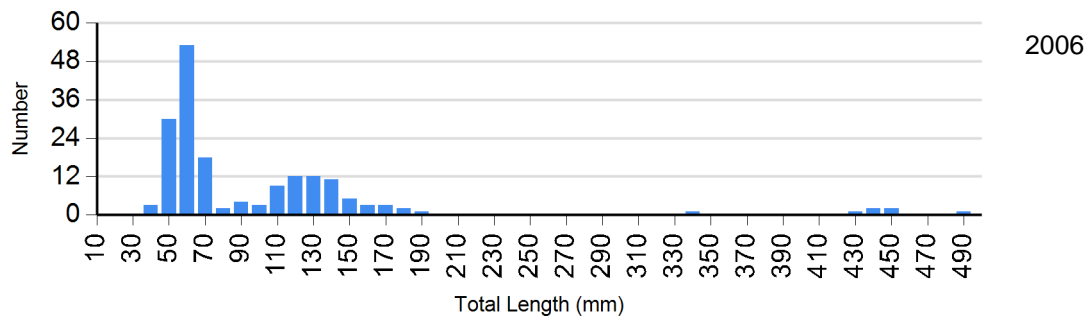
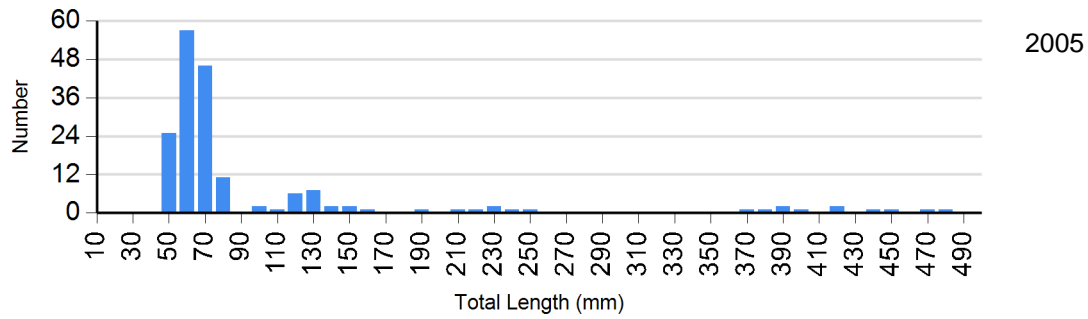
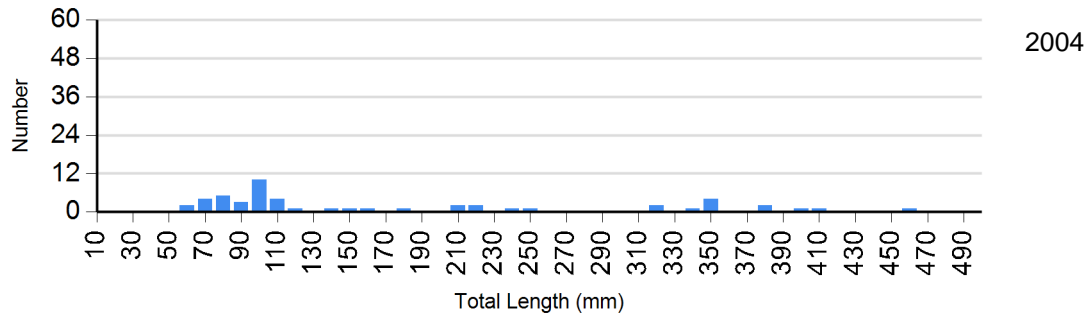


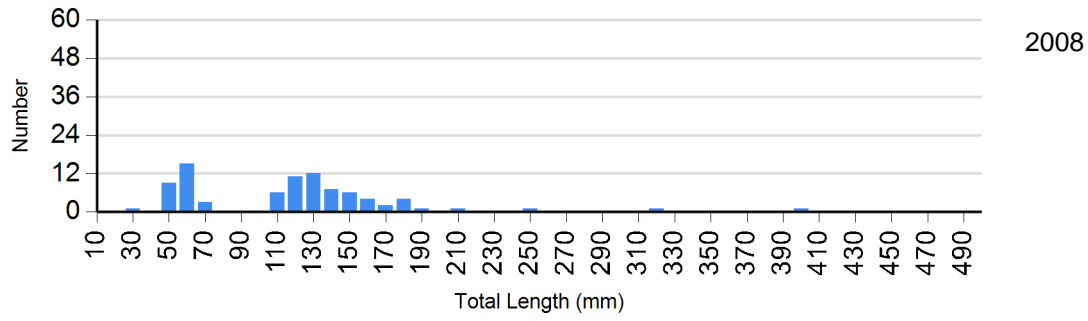
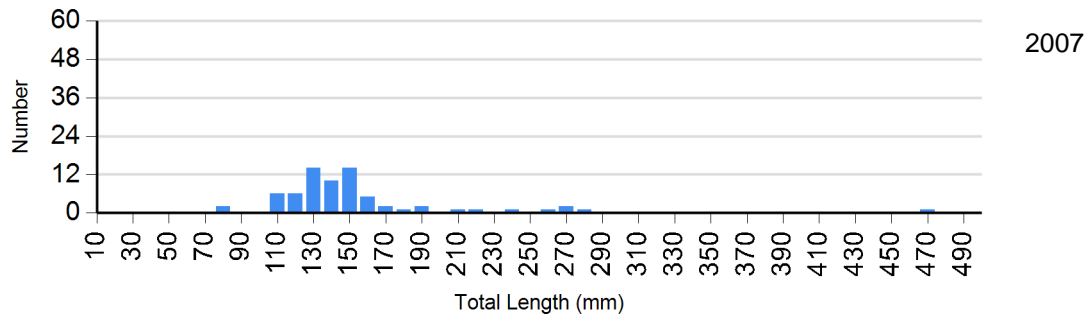
Site: 1853
Species: Brook Trout





Site: 1853
Species: Brown Trout





Site: 1853
Species: Rainbow Trout

