

SOUTH DAKOTA BLACK HILLS COLD STREAM SURVEY
Rapid Creek, Pennington County
02-0062-00
1995

Table 1. Population and Biomass Estimates for Rapid Creek

Site Number: 270 **Date Sampled:** 10/16/1995 **Conductivity (umhos/cm):** 725
Site Midpoint (Latitude, Longitude): 43.91942466, -102.76136729 **Site Length (m):** 92 **pH:** 9.2
Survey Completed by: South Dakota Game, Fish and Parks **Mean Width (m):** 9.7 **Water Temperature (C):** 12.0
Stream Classification: None **Number of Pass:** 4 **Voltage:** 200

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)
Channel Catfish	All	9	9	10	9	93	22	98	38	19.62	157	288.9	236.8
Common Carp	All	1	1	2	1	10	15	11	4	13.26	17	497.0	1440.0
Fathead Minnow	All	3	3	4	3	31	0	33	13	0.05	52	61.0	1.7
Flathead Chub	All	66	74	85	66	763	5	804	309	4.81	1294	82.0	7.1
Goldeye	All	1	1	2	1	10	3	11	4	2.62	17	365.0	285.0
Longnose Dace	All	19	31	66	19	320	1	337	129	0.71	542	68.1	2.5
River Carpsucker	All	5	6	12	5	62	16	65	25	14.46	105	212.4	261.8
Sand Shiner	All	106	118	131	106	1216	2	1283	493	2.02	2064	59.5	1.9
Sauger	All	6	6	8	6	62	20	65	25	18.15	105	346.3	328.7
Shorthead Redhorse	All	19	21	27	19	216	19	228	88	17.16	367	192.9	88.8
White Bass	All	1	1	1	1	10	1	11	4	0.47	17	157.0	51.0
White Sucker	All	4	4	4	4	41	3	43	17	3.10	70	192.8	84.3

Site Number: 404 **Date Sampled:** 10/16/1995
Site Midpoint (Latitude, Longitude): 43.92582887, -102.82307857 **Site Length (m):** 108

Survey Completed by: South Dakota Game, Fish and Parks

Mean Width (m): 8.5

Conductivity (umhos/cm): 1000

Stream Classification: None

Number of Pass: 3

pH: 9.3

Water Temperature (C): 15.0

Voltage: 150

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)
Channel Catfish	All	1	1	2	1	12	20	9	5	18.30	15	565.0	1738.0
Common Carp	All	1	1	5	1	12	28	9	5	24.58	15	550.0	2334.0
Flathead Chub	All	18	19	23	18	224	2	176	91	2.19	283	91.9	10.9
Longnose Dace	All	69	86	108	69	1014	3	796	411	3.05	1281	72.5	3.4
Sand Shiner	All	70	81	96	70	955	1	750	387	1.25	1207	54.5	1.5
Shorthead Redhorse	All	5	5	7	5	59	6	46	24	5.56	74	202.6	105.6
White Sucker	All	2	2	6	2	24	2	19	10	1.62	30	188.0	77.0

Site Number: 1412

Date Sampled: 10/03/1995

Conductivity (umhos/cm): 300

Site Midpoint (Latitude, Longitude): 44.07907606, -103.25491933

Site Length (m): 119

pH: 8.5

Survey Completed by: South Dakota Game, Fish and Parks

Mean Width (m): 7.9

Water Temperature (C): 14.0

Stream Classification: BR1

Number of Pass: 3

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)
Brown Trout	<200mm	163	215	259	171	2728	83	1807	1105	73.77	2907	129.8	30.3
Brown Trout	>=200mm	92	96	102	92	1218	209	807	493	186.65	1298	251.1	171.6
Brown Trout	All	255	300	330	270	3807	309	2521	1542	276.23	4056	173.6	81.3
Longnose Dace	All	2	2	3	2	25	0	17	10	0.15	27	91.5	6.5
Mountain Sucker	All	3	3	3	3	38	4	25	15	3.37	41	195.7	99.0

Rock Bass	All	2	2	4	2	25	0	17	10	0.29	27	84.0	13.0
White Sucker	All	70	70	71	70	888	439	588	360	391.86	946	345.0	494.0

Site Number: 1656

Site Midpoint (Latitude, Longitude): 44.05452135, -103.40589571

Survey Completed by: South Dakota Game, Fish and Parks

Stream Classification: BR1

Date Sampled: 10/03/1995

Site Length (m): 142

Mean Width (m): 7.6

Number of Pass: 3

Conductivity (umhos/cm): 225

pH: 8.6

Water Temperature (C): 9.0

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	202	213	223	203	2817	67	1500	1141	59.88	2414	124.0	23.8
Brown Trout	>=200mm	108	109	112	108	1442	194	768	584	173.62	1235	236.5	134.9
Brown Trout	All	310	321	330	312	4246	265	2261	1720	236.94	3637	163.2	62.5

Site Number: 1843

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

Survey Completed by: South Dakota Game, Fish and Parks

Stream Classification: BK2, BR1

Date Sampled: 10/04/1995

Site Length (m): 106

Mean Width (m): 6.3

Number of Pass: 3

Conductivity (umhos/cm): 205

pH:

Water Temperature (C): 7.0

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	39	40	43	39	639	9	377	259	8.45	607	104.4	14.8
Brook Trout	>=200mm	7	7	7	7	112	14	66	45	12.92	106	226.9	129.4
Brook Trout	All	46	47	50	46	751	25	443	304	22.43	713	123.0	33.5
Brown Trout	<200mm	83	125	180	83	1997	55	1179	809	48.78	1897	120.7	27.4
Brown Trout	>=200mm	28	28	28	28	447	100	264	181	89.53	425	270.5	224.2
Brown Trout	All	111	131	151	111	2093	163	1236	848	145.59	1988	158.5	77.9
Unidentified YOY Trout	<200mm	306	346	371	321	5527	9	3264	2238	7.95	5252	57.9	1.6

Unidentified YOY Trout All 306 346 371 321 5527 9 3264 2238 7.95 5252 57.9 1.6

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

Date Sampled: 10/04/1995 **Conductivity (umhos/cm):** 210
Site Length (m): 98
Mean Width (m): 7.6 **pH:** 8.3
Number of Pass: 3 **Water Temperature (C):** 8.0
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)
Brown Trout	<200mm	53	56	62	53	737	28	571	298	25.36	919	146.1	38.5
Brown Trout	>=200mm	27	27	28	27	355	140	276	144	125.06	443	300.8	394.3
Brown Trout	All	80	82	86	80	1079	171	837	437	152.79	1346	198.3	158.6
Rainbow Trout	<200mm	24	25	29	24	329	15	255	133	13.02	410	153.1	44.3
Rainbow Trout	>=200mm	1	1	2	1	13	17	10	5	15.25	16	446.0	1298.0
Rainbow Trout	All	25	27	32	25	355	34	276	144	29.97	443	164.8	94.5

Site Number: 1930
Site Midpoint (Latitude, Longitude): 44.08581700, -103.55549131
Survey Completed by: South Dakota Game, Fish and Parks
Stream Classification: BR2, RB2

Date Sampled: 10/02/1995 **Conductivity (umhos/cm):** 258
Site Length (m): 113
Mean Width (m): 5.9 **pH:** 8.7
Number of Pass: 3 **Water Temperature (C):** 9.0
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)
Brown Trout	<200mm	30	32	37	30	541	19	283	219	17.25	456	149.7	35.7
Brown Trout	>=200mm	18	18	19	18	304	33	159	123	29.18	256	225.5	107.5
Brown Trout	All	48	50	55	48	845	53	442	342	47.24	712	178.1	62.6
Hatchery Rainbow Trout	>=200mm	2	2	3	2	34	7	18	14	6.32	28	282.5	209.5

Hatchery Rainbow Trout	All	2	2	3	2	34	7	18	14	6.32	28	282.5	209.5
Rainbow Trout	<200mm	1	1	2	1	17	0	9	7	0.08	14	85.0	5.0
Rainbow Trout	>=200mm	1	1	1	1	17	5	9	7	4.24	14	332.0	281.0
Rainbow Trout	All	2	2	3	2	34	5	18	14	4.31	28	208.5	143.0
Rock Bass	All	18	19	23	18	321	8	168	130	7.07	271	115.4	24.7

Site Number: 2007

Site Midpoint (Latitude, Longitude): 44.08387011, -103.60810831

Survey Completed by: South Dakota Game, Fish and Parks

Stream Classification: BR1, RB2

Date Sampled: 10/02/1995

Site Length (m): 109

Mean Width (m): 7.9

Number of Pass: 3

Conductivity (umhos/cm): 238

pH: 8.6

Water Temperature (C): 8.0

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)
Brown Trout	<200mm	104	107	112	104	1348	31	982	546	27.50	1579	120.8	22.9
Brown Trout	>=200mm	35	38	44	35	479	53	349	194	47.13	561	230.4	110.3
Brown Trout	All	139	144	151	139	1814	81	1321	735	72.66	2126	148.4	44.9
Hatchery Brown Trout	>=200mm	2	2	2	2	25	3	18	10	2.90	30	268.0	129.0
Hatchery Brown Trout	All	2	2	2	2	25	3	18	10	2.90	30	268.0	129.0
Hatchery Rainbow Trout	>=200mm	5	5	5	5	63	7	46	26	6.43	74	241.8	114.4
Hatchery Rainbow Trout	All	5	5	5	5	63	7	46	26	6.43	74	241.8	114.4
Rainbow Trout	<200mm	3	3	4	3	38	1	28	15	1.03	44	147.7	30.7
Rainbow Trout	>=200mm	3	3	3	3	38	4	28	15	3.80	44	248.3	112.7
Rainbow Trout	All	6	6	7	6	76	5	55	31	4.84	89	198.0	71.7
Rock Bass	All	7	7	8	7	88	5	64	36	4.18	103	144.3	53.1

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, 1985-1995

Site 270

Species/Size	Date	Pop Est.	(95% C.I.)	Stream Classification
Channel Catfish	Oct 16, 1995	9	9-10	
Common Carp	Oct 16, 1995	1	1-2	
Fathead Minnow	Oct 16, 1995	3	3-4	
Flathead Chub	Oct 16, 1995	74	66-85	
Goldeye	Oct 16, 1995	1	1-2	
Longnose Dace	Oct 16, 1995	31	19-66	
River Carpsucker	Oct 16, 1995	6	5-12	

Sand Shiner	Oct 16, 1995	118	106-131
Sauger	Oct 16, 1995	6	6-8
Shorthead Redhorse	Oct 16, 1995	21	19-27
White Bass	Oct 16, 1995	1	1-1
White Sucker	Oct 16, 1995	4	4-4

Site 404

Species/Size	Date	Pop Est.	(95% C.I.)	Stream Classification
Channel Catfish	Oct 16, 1995	1	1-2	
Common Carp	Oct 16, 1995	1	1-5	
Flathead Chub	Oct 16, 1995	19	18-23	
Longnose Dace	Oct 16, 1995	86	69-108	
Sand Shiner	Oct 16, 1995	81	70-96	
Shorthead Redhorse	Oct 16, 1995	5	5-7	
White Sucker	Oct 16, 1995	2	2-6	

Site 1412

Species/Size	Date	Pop Est.	(95% C.I.)	Stream Classification
Brown Trout <200mm	Oct 06, 1988	195	172-218	

Brown Trout <200mm	Oct 10, 1990	87	76-102	
	Oct 22, 1991	176	74-403	
	Oct 05, 1992	163	127-199	
	Sep 28, 1993	142	116-168	
	Sep 29, 1994	314	245-383	
	Oct 03, 1995	215	171-259	
Brown Trout >=200mm	Oct 06, 1988	140	136-146	BR3
	Oct 10, 1990	176	175-179	BR3
	Oct 22, 1991	123	108-140	BR3
	Oct 05, 1992	116	111-123	BR1
	Sep 28, 1993	164	113-219	BR1
	Sep 29, 1994	86	82-92	BR1
	Oct 03, 1995	96	92-102	BR1
Longnose Dace	Oct 22, 1991	5	6-8	
	Oct 05, 1992	2	2-3	
	Sep 28, 1993	2	2-4	

Longnose Dace	Sep 29, 1994	12	9-25
	Oct 03, 1995	2	2-3
Mountain Sucker	Oct 06, 1988	19	18-23
	Oct 22, 1991	6	6-8
	Oct 05, 1992	6	6-9
	Sep 28, 1993	1	1-2
	Sep 29, 1994	4	4-6
	Oct 03, 1995	3	3-3
Rainbow Trout <200mm	Oct 06, 1988	2	2-4
Rock Bass	Oct 10, 1990	3	3-3
	Sep 29, 1994	1	1-1
	Oct 03, 1995	2	2-4
White Sucker	Oct 06, 1988	36	36-37
	Oct 22, 1991	73	61-91
	Oct 05, 1992	87	85-91
	Sep 28, 1993	56	56-58

White Sucker	Sep 29, 1994	76	75-79
	Oct 03, 1995	70	70-71

Site 1656

Species/Size	Date	Pop Est.	(95% C.I.)	Stream Classification
Brown Trout <200mm	Sep 10, 1990	367	343-391	
	Mar 25, 1991	264	239-289	
	Oct 17, 1991	237	201-273	
	Oct 13, 1992	269	235-303	
	Sep 30, 1993	229	172-286	
	Sep 29, 1994	361	317-405	
	Oct 03, 1995	213	203-223	
Brown Trout >=200mm	Sep 10, 1990	74	73-77	BR3
	Mar 25, 1991	70	68-74	BR3
	Oct 17, 1991	89	85-96	BR3
	Oct 13, 1992	75	74-78	BR1
	Sep 30, 1993	99	93-107	BR1

Brown Trout >=200mm	Sep 29, 1994	101	99-105	BR1
	Oct 03, 1995	109	108-112	BR1

Site 1843

Species/Size	Date	Pop Est.	(95% C.I.)	Stream Classification
Brook Trout <200mm	Oct 07, 1988	12	12-12	
	Aug 03, 1990	20	14-41	
	Oct 06, 1992	55	47-68	
	Sep 29, 1993	228	63-776	
	Sep 28, 1994	38	36-43	
	Oct 04, 1995	40	39-43	
Brook Trout >=200mm	Oct 07, 1988	9	9-9	BK3
	Aug 03, 1990	2	2-2	BK3
	Oct 06, 1992	11	11-11	BK2
	Sep 29, 1993	6	6-8	BK2
	Sep 28, 1994	7	7-7	BK2
	Oct 04, 1995	7	7-7	BK2

Brown Trout <200mm	Oct 07, 1988	28	28-28	
	Aug 03, 1990	23	22-27	
	Sep 30, 1991	141	114-171	
	Oct 06, 1992	153	101-214	
	Sep 29, 1993	395	290-500	
	Sep 28, 1994	130	121-140	
	Oct 04, 1995	125	83-180	
Brown Trout >=200mm	Oct 07, 1988	28	28-28	BR3
	Aug 03, 1990	24	17-46	BR3
	Sep 30, 1991	27	27-28	BR3
	Oct 06, 1992	54	53-57	BR1
	Sep 29, 1993	85	80-93	BR1
	Sep 28, 1994	48	47-51	BR1
	Oct 04, 1995	28	28-28	BR1
Hatchery Brown Trout >=200mm	Oct 07, 1988	19	19-19	
Rainbow Trout <200mm	Oct 06, 1992	1	1-1	

Rock Bass

Sep 28, 1994

1

1-2

Site 1853

Species/Size	Date	Pop Est.	(95% C.I.)	Stream Classification
Brown Trout <200mm	Oct 06, 1992	47	33-75	
	Sep 29, 1993	70	65-78	
	Sep 28, 1994	165	141-189	
	Oct 04, 1995	56	53-62	
Brown Trout >=200mm	Oct 06, 1992	73	72-76	BR1
	Sep 29, 1993	64	58-73	BR1
	Sep 28, 1994	57	55-62	BR1
	Oct 04, 1995	27	27-28	BR2
Rainbow Trout <200mm	Oct 06, 1992	19	15-31	
	Sep 28, 1994	2	2-3	
	Oct 04, 1995	25	24-29	
Rainbow Trout >=200mm	Oct 06, 1992	1	1-1	RB2
	Sep 29, 1993	7	7-8	RB1

Rainbow Trout >=200mm	Sep 28, 1994	13	5-87	RB1
	Oct 04, 1995	1	1-2	RB2

Site 1930

Species/Size	Date	Pop Est.	(95% C.I.)	Stream Classification
Brown Trout <200mm	Sep 24, 1992	81	74-91	
	Sep 22, 1993	84	72-100	
	Sep 26, 1994	255	91-599	
	Oct 02, 1995	32	30-37	
Brown Trout >=200mm	Sep 24, 1992	26	26-27	BR1
	Sep 22, 1993	14	14-16	BR2
	Sep 26, 1994	25	25-27	BR1
	Oct 02, 1995	18	18-19	BR2
Hatchery Rainbow Trout <200mm	Sep 22, 1993	1	1-1	
	Sep 26, 1994	2	2-2	
Hatchery Rainbow Trout >=200mm	Sep 22, 1993	1	1-1	
	Sep 26, 1994	3	3-6	

Hatchery Rainbow Trout >=200mm	Oct 02, 1995	2	2-3	
Rainbow Trout <200mm	Sep 24, 1992	48	35-73	
	Oct 02, 1995	1	1-2	
Rainbow Trout >=200mm	Sep 24, 1992	2	2-3	RB2
	Oct 02, 1995	1	1-1	RB2
Rock Bass	Sep 22, 1993	3	3-3	
	Oct 02, 1995	19	18-23	

Site 2007

Species/Size	Date	Pop Est.	(95% C.I.)	Stream Classification
Brook Trout >=200mm	Sep 26, 1994	1	1-1	BK3
Brown Trout <200mm	Aug 02, 1990	180	150-210	
	Oct 11, 1991	164	119-214	
	Sep 25, 1992	194	177-211	
	Sep 27, 1993	232	217-247	
	Sep 26, 1994	144	124-164	
	Oct 02, 1995	107	104-112	

Brown Trout >=200mm	Aug 02, 1990	37	37-39	BR3
	Oct 11, 1991	60	48-81	BR3
	Sep 25, 1992	78	77-81	BR1
	Sep 27, 1993	37	37-39	BR1
	Sep 26, 1994	69	66-75	BR1
	Oct 02, 1995	38	35-44	BR1
Hatchery Brown Trout >=200mm	Oct 02, 1995	2	2-2	
Hatchery Rainbow Trout <200mm	Sep 27, 1993	1	1-1	
Hatchery Rainbow Trout >=200mm	Sep 27, 1993	2	2-2	
	Sep 26, 1994	1	1-1	
	Oct 02, 1995	5	5-5	
Rainbow Trout <200mm	Sep 26, 1994	5	5-5	
	Oct 02, 1995	3	3-4	
Rainbow Trout >=200mm	Oct 02, 1995	3	3-3	RB2
Rock Bass	Sep 26, 1994	4	4-6	
	Oct 02, 1995	7	7-8	

White Sucker

Sep 27, 1993

1

1-1

Sep 26, 1994

3

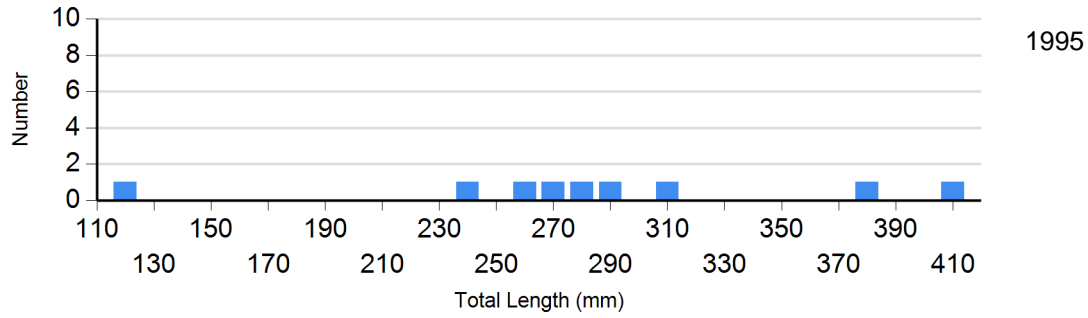
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Length Frequency Distribution

Length frequency histogram of species sampled by year.

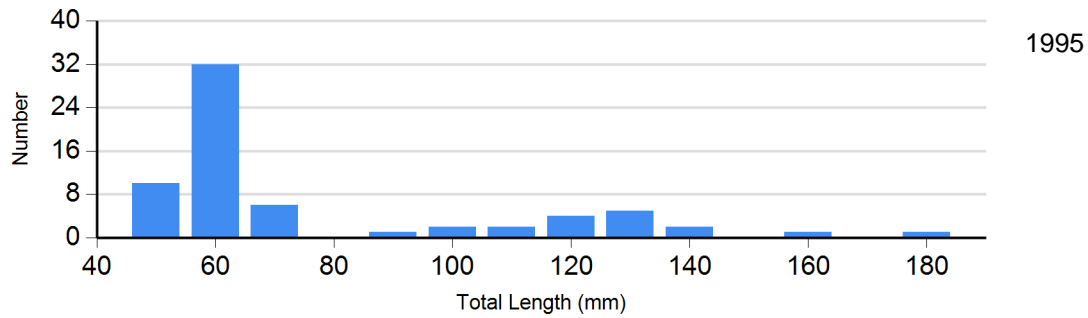
Site: 270

Species: Channel Catfish



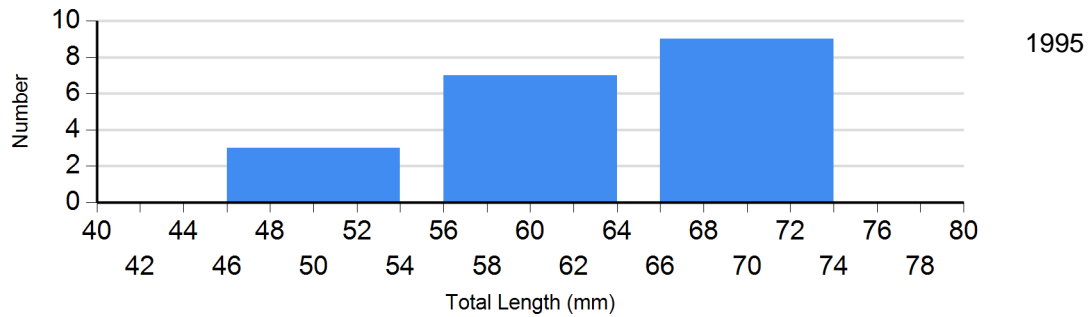
Site: 270

Species: Flathead Chub

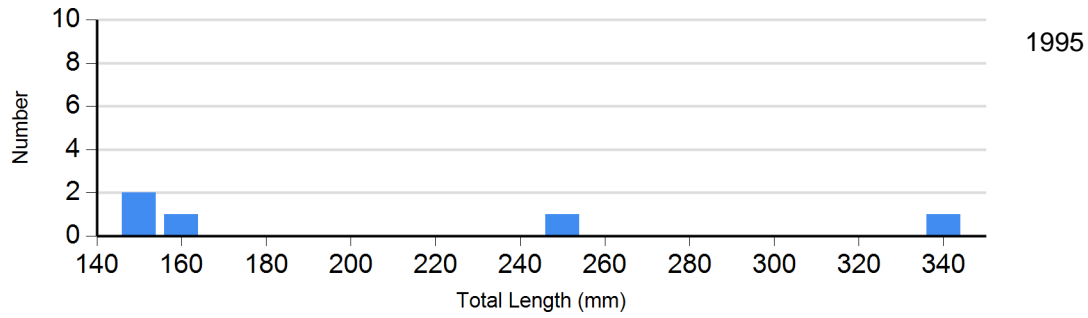


Site: 270

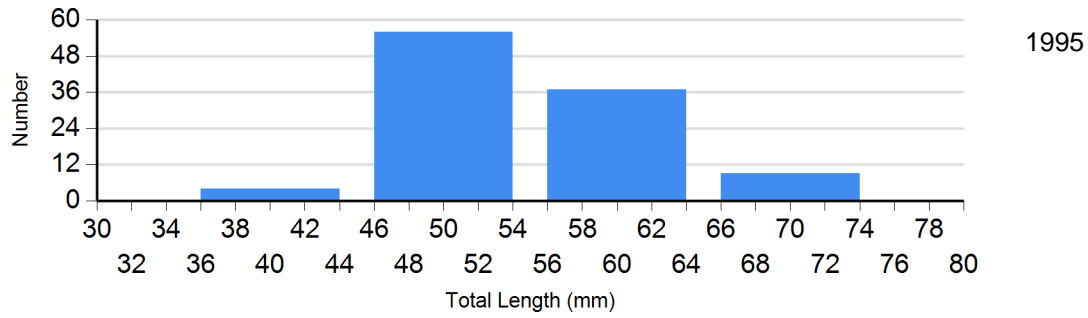
Species: Longnose Dace



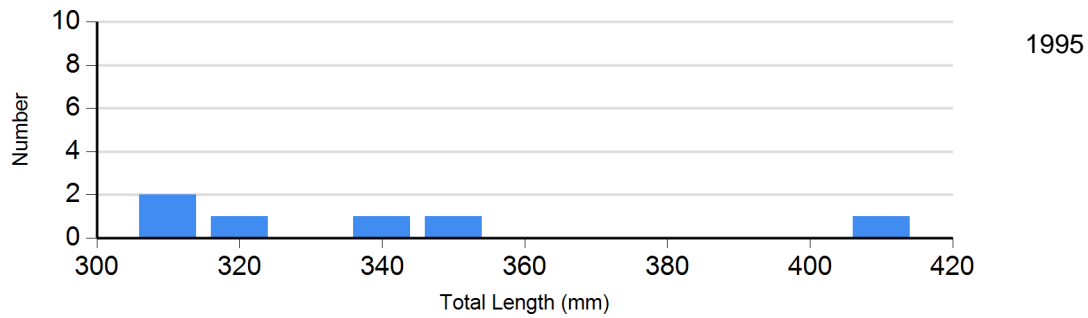
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Species: River Carpsucker



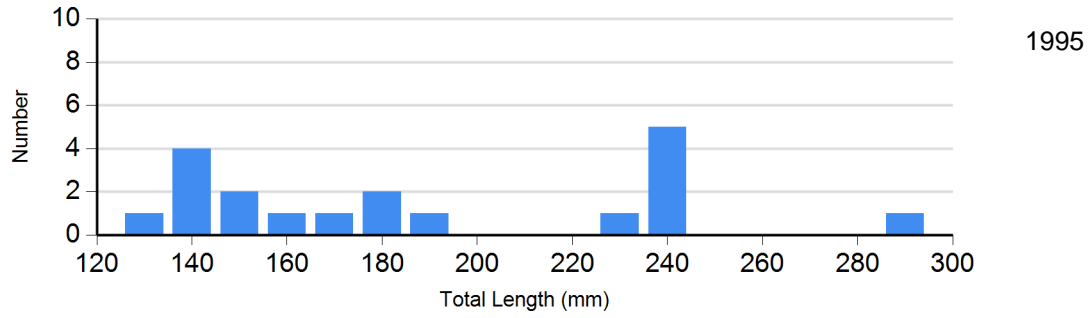
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Species: Sand Shiner



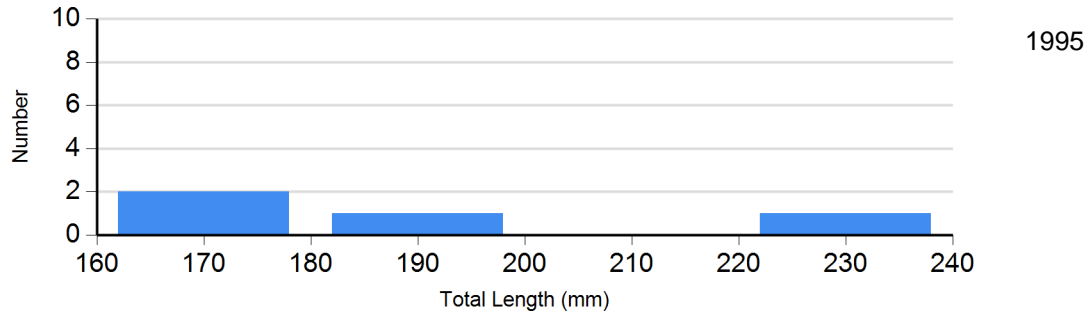
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Species: Sauger



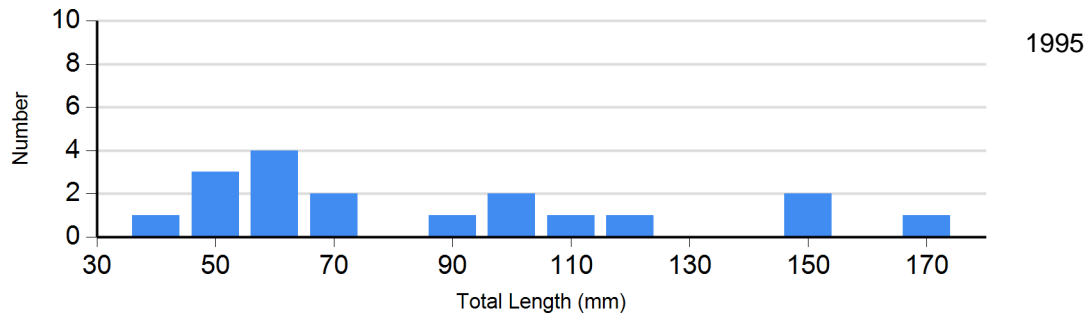
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Species: Shorthead Redhorse



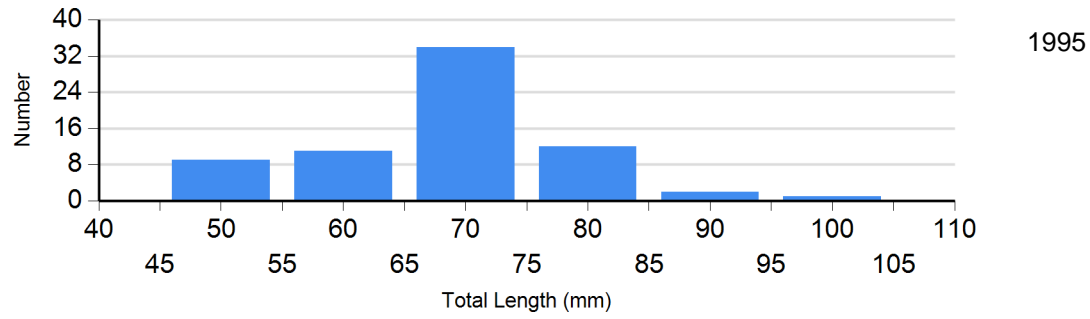
Site: 270
Species: White Sucker



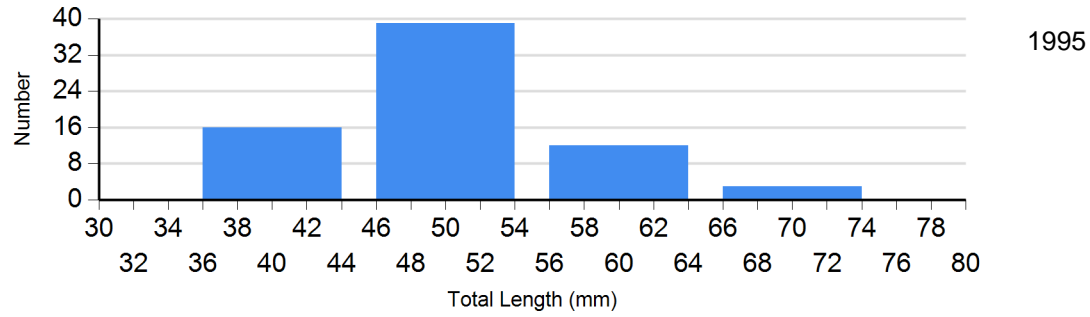
Site: 404
Species: Flathead Chub



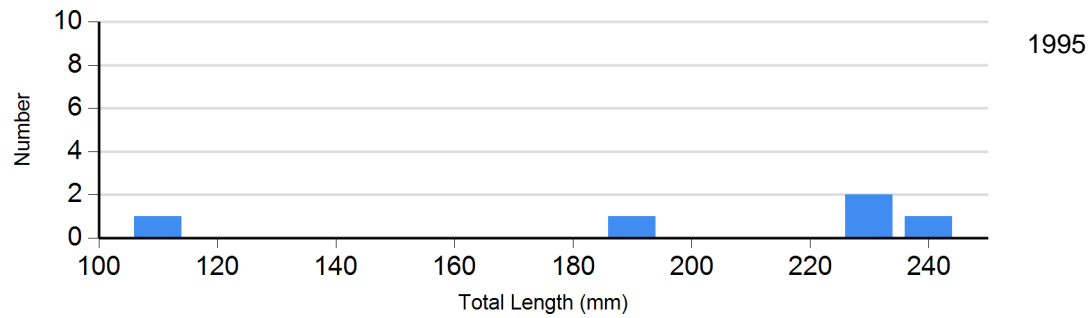
Site: 404
Species: Longnose Dace



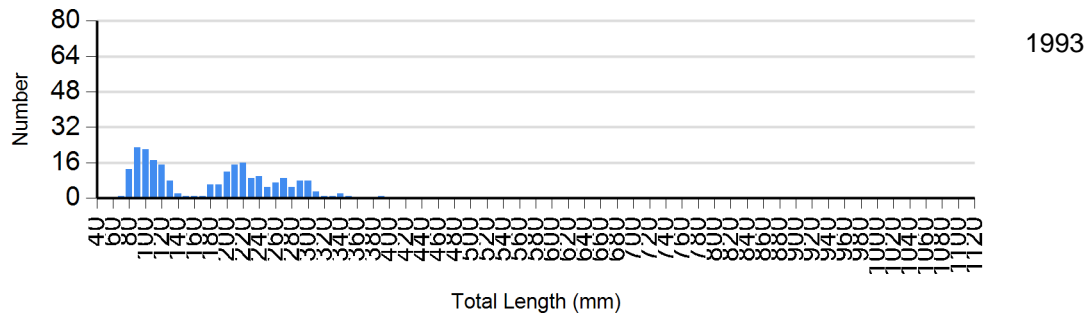
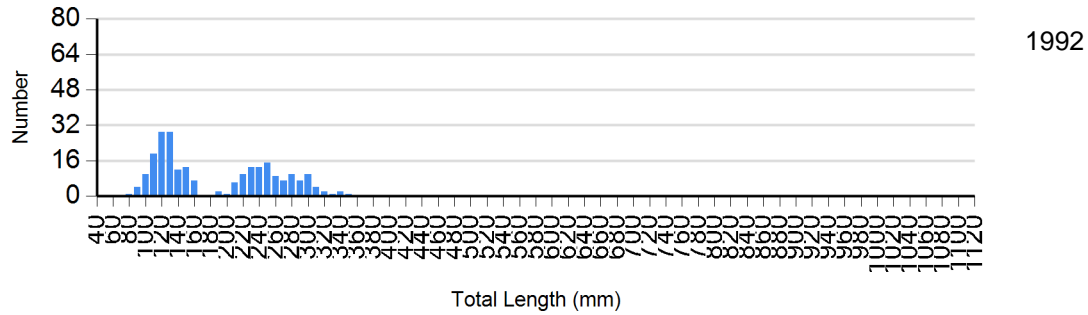
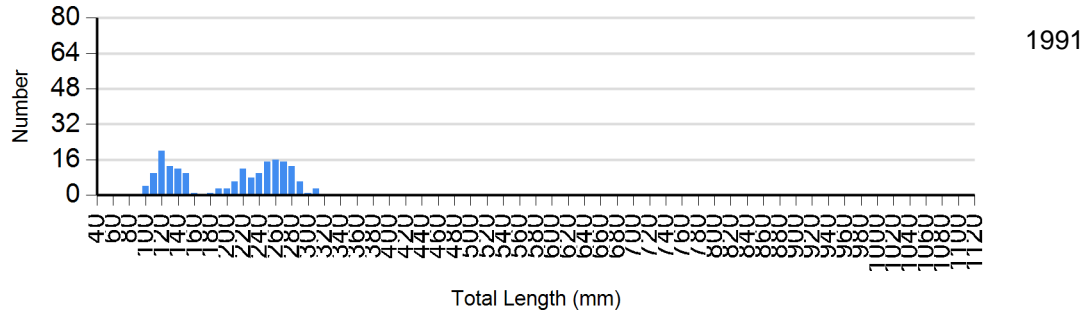
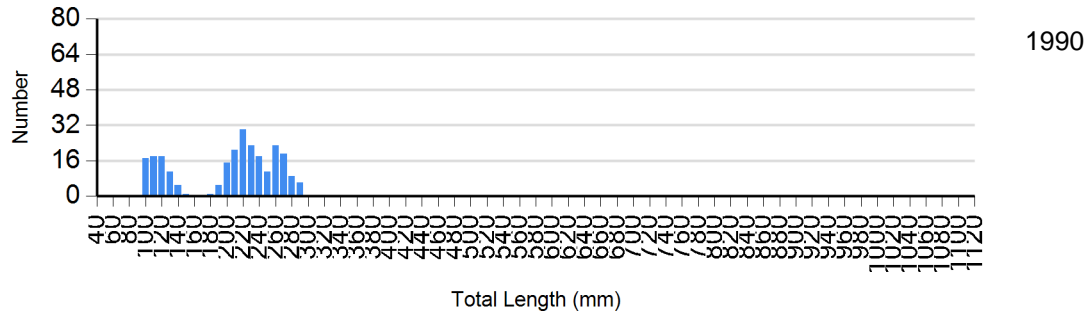
Site: 404
Species: Sand Shiner

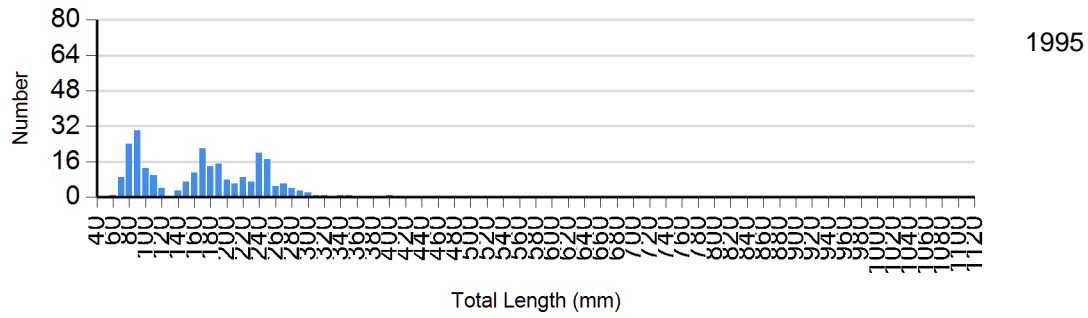
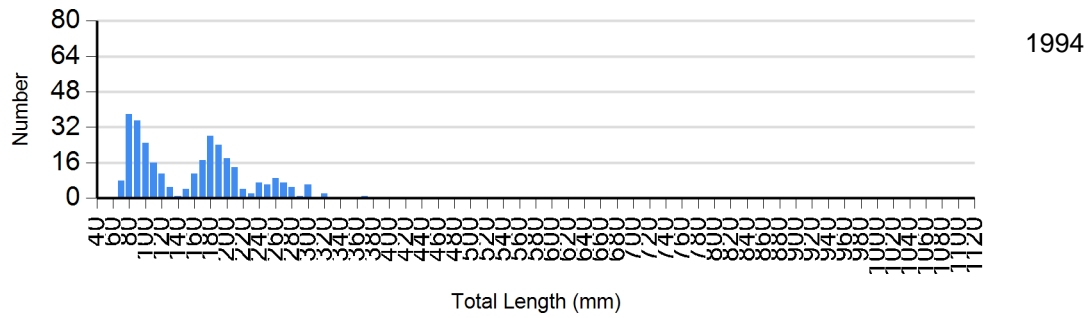


Site: 404
Species: Shorthead Redhorse

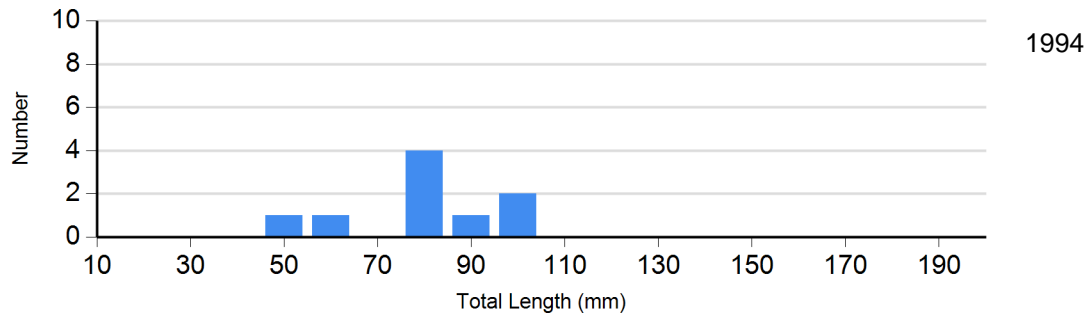
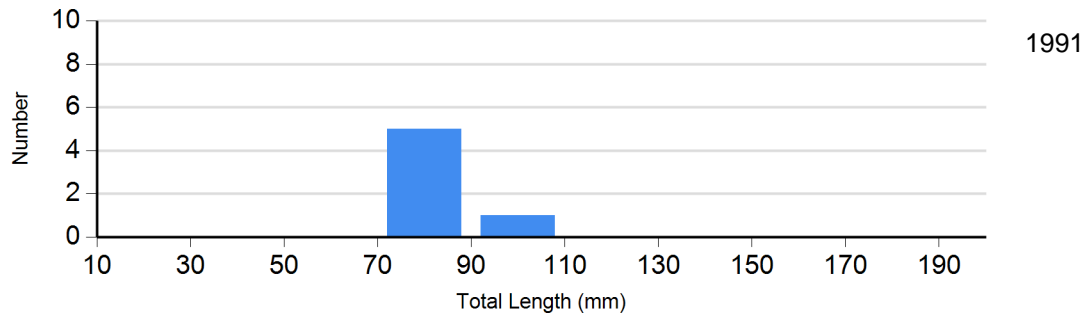


Site: 1412
Species: Brown Trout

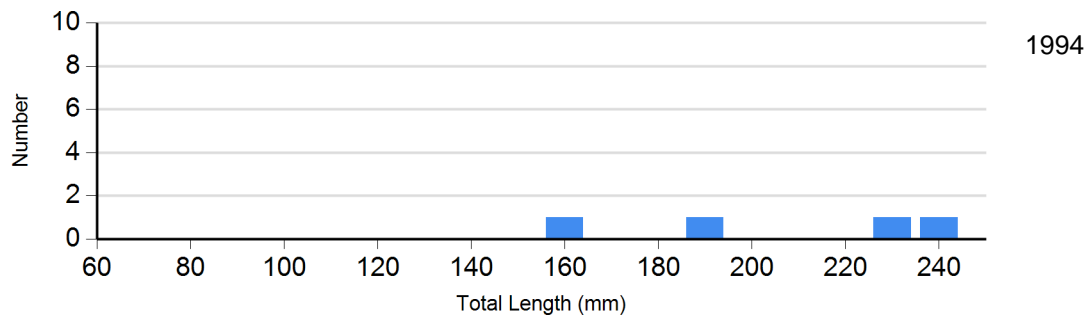
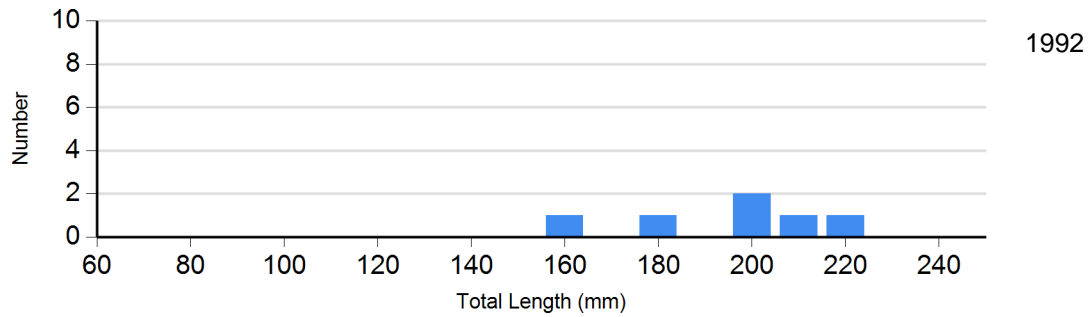
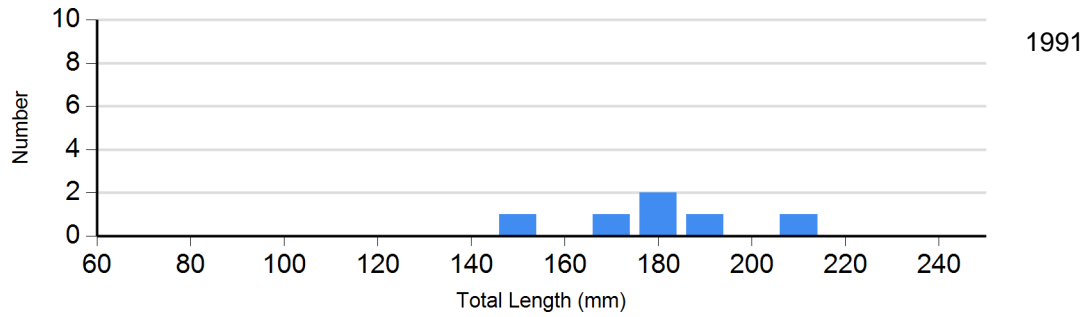
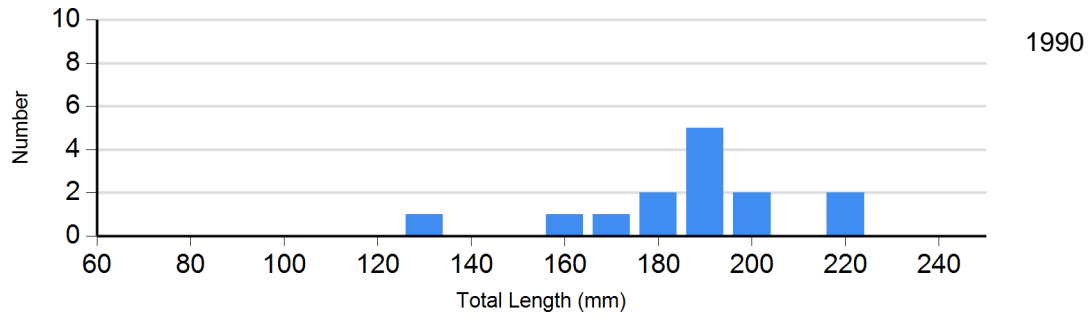




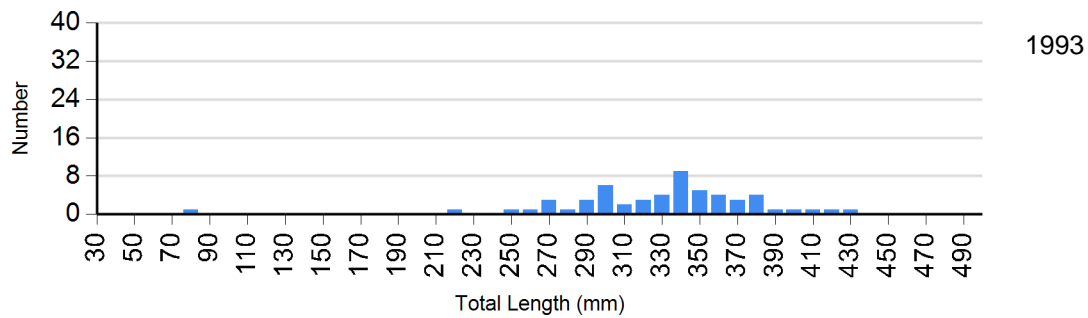
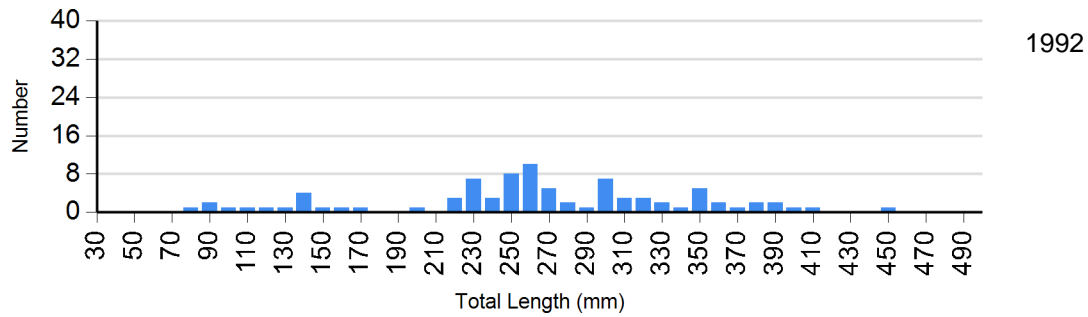
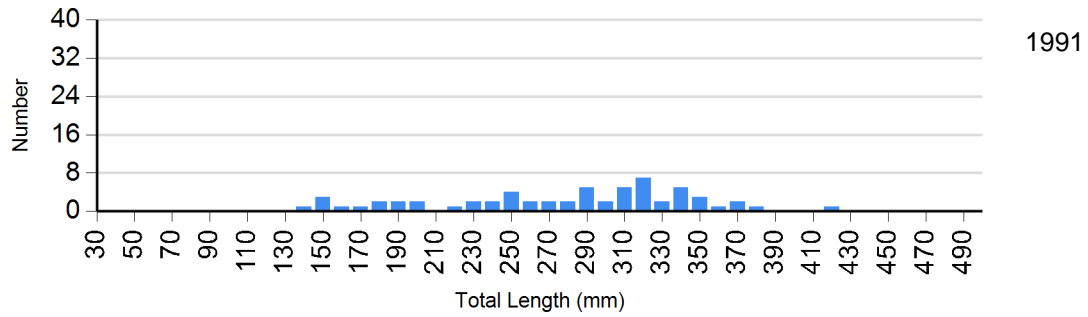
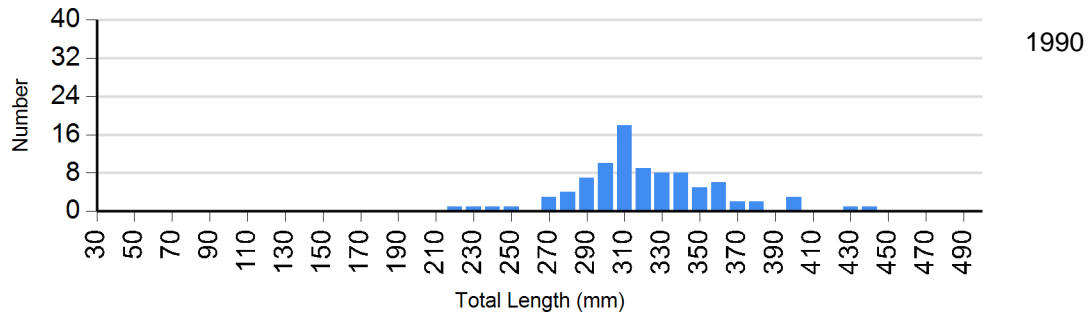
Site: 1412
Species: Longnose Dace

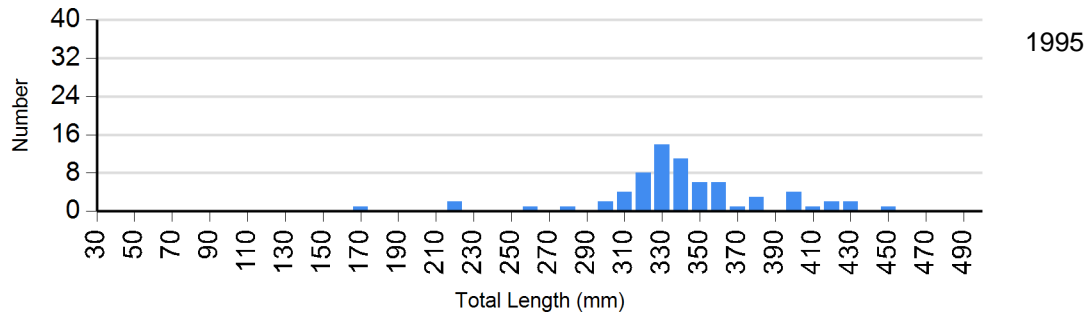
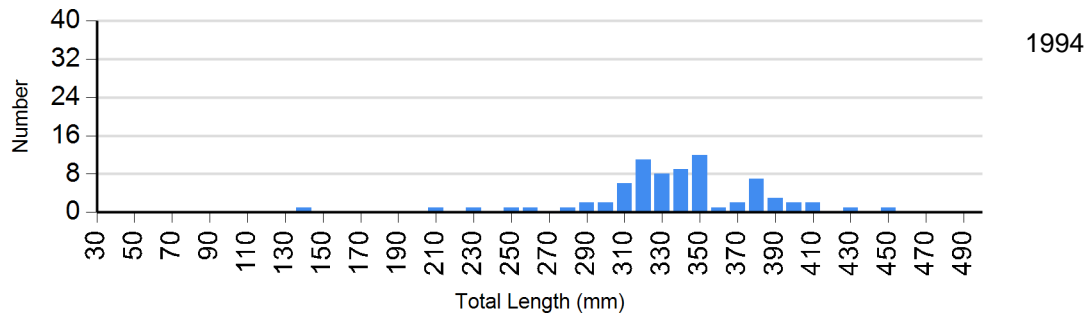


Site: 1412
Species: Mountain Sucker

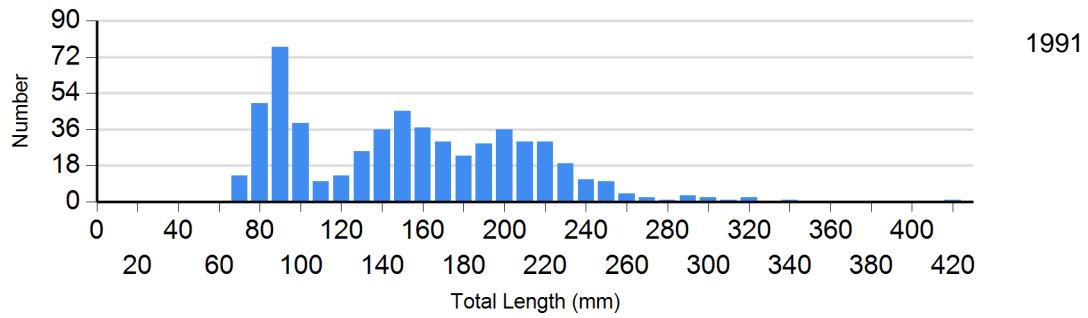
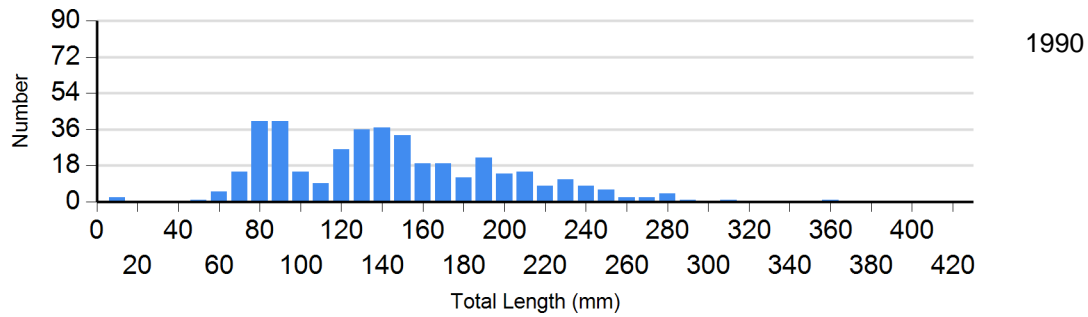


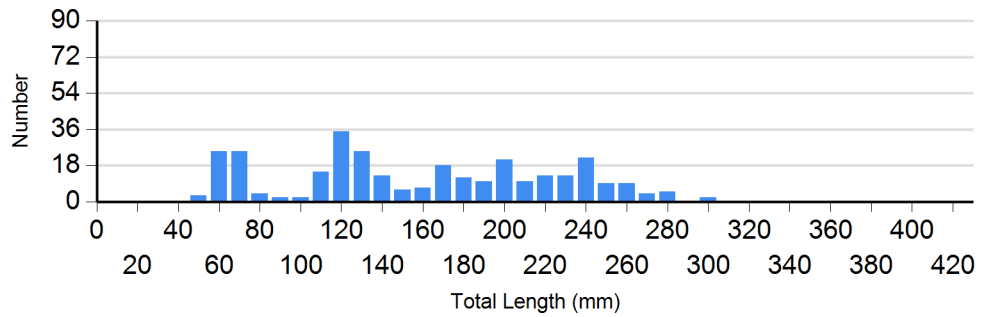
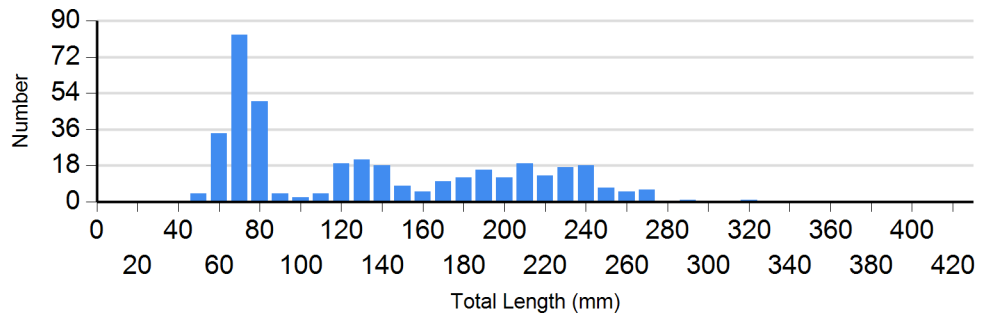
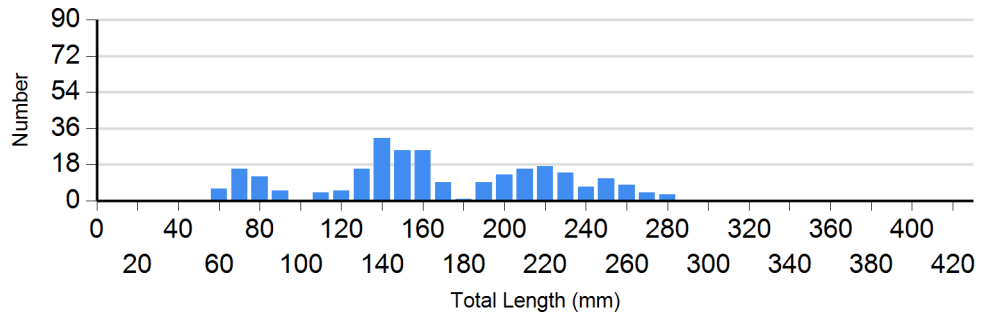
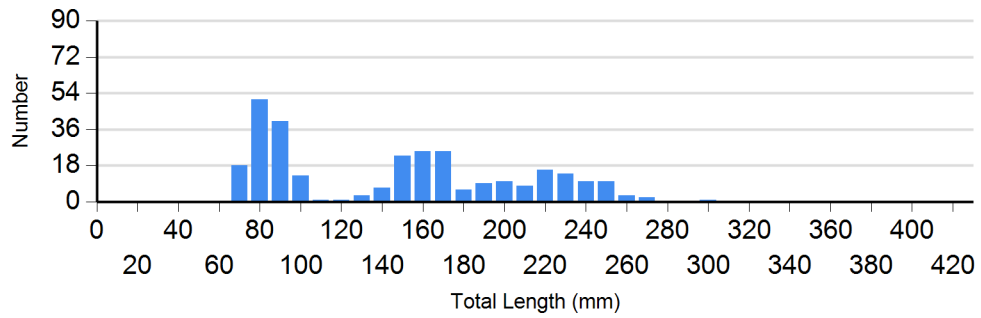
Site: 1412
Species: White Sucker



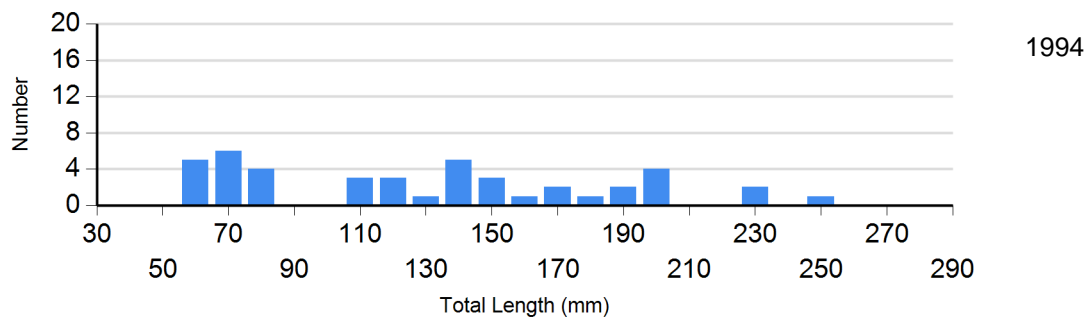
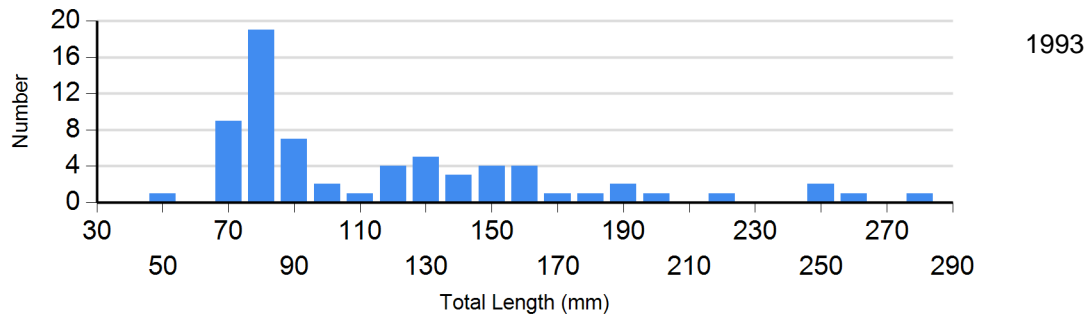
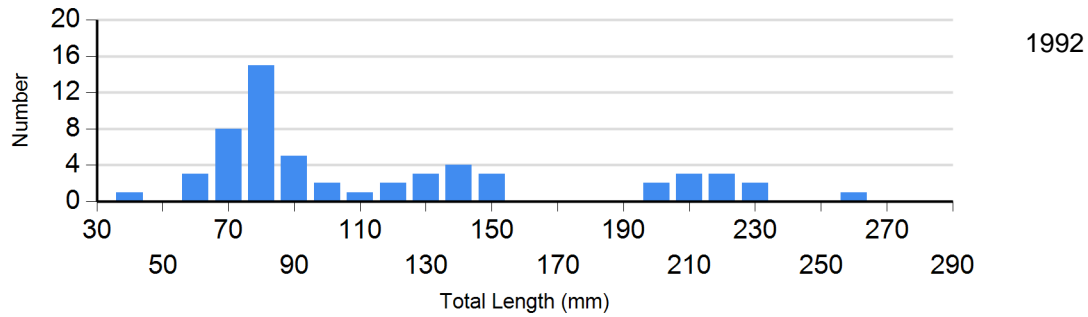
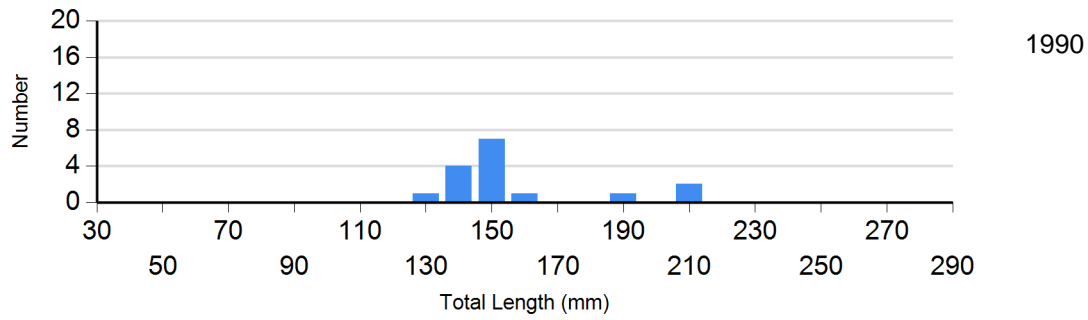


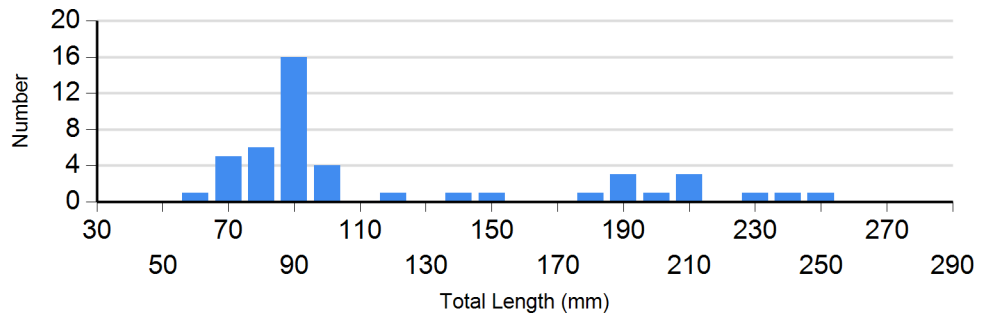
Site: 1656
Species: Brown Trout



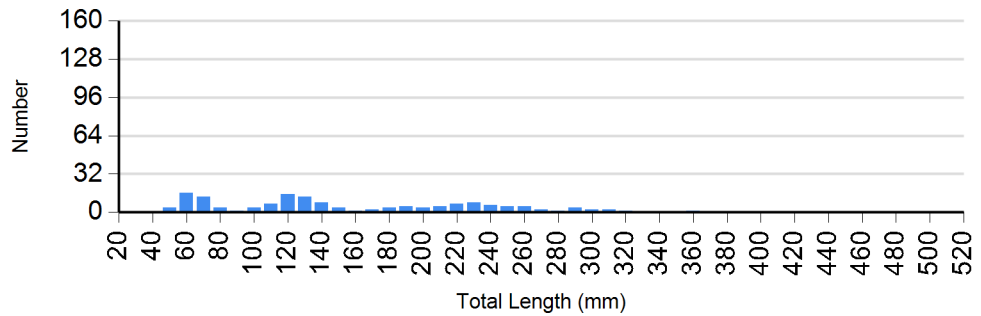
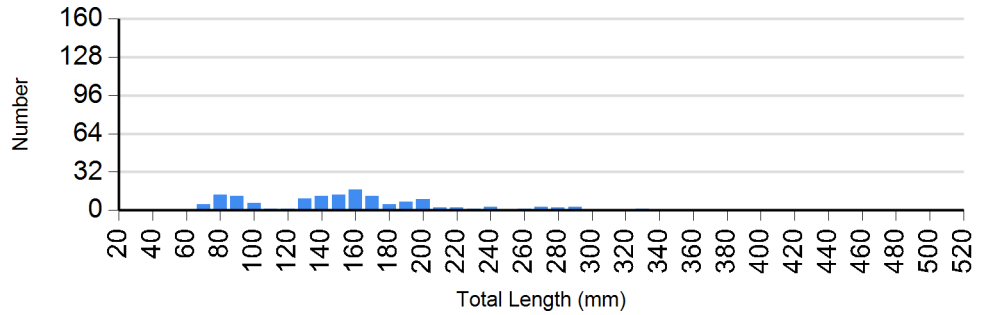
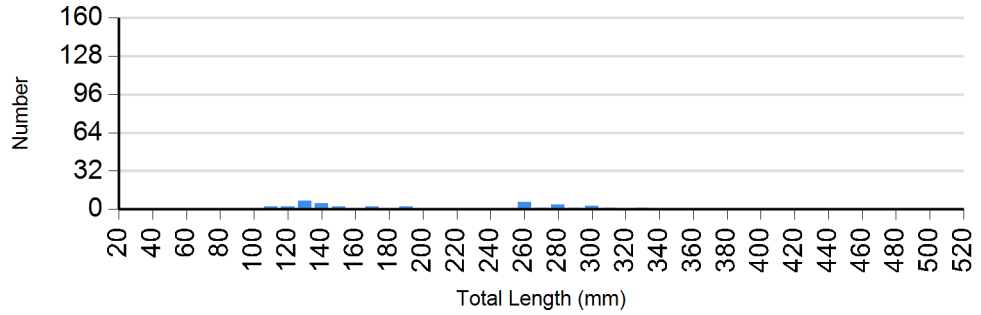


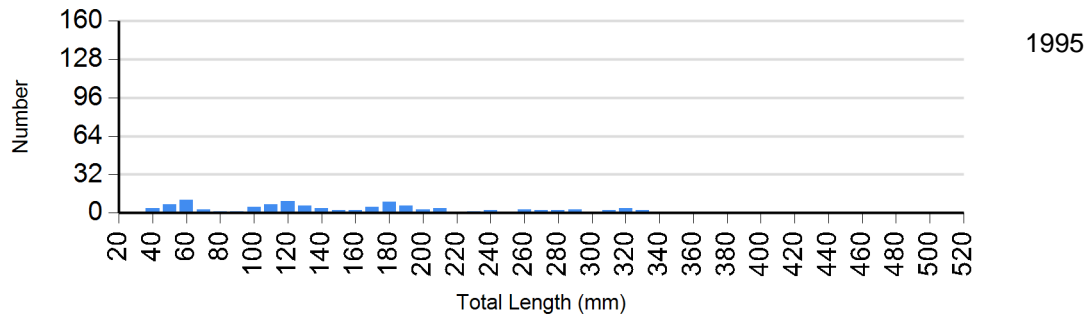
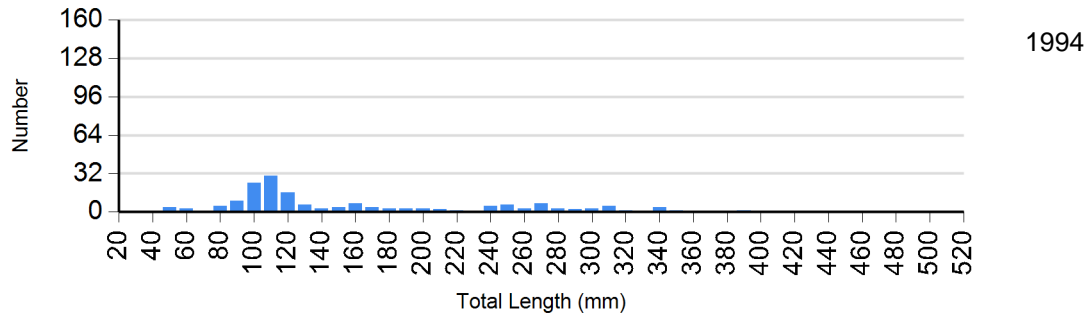
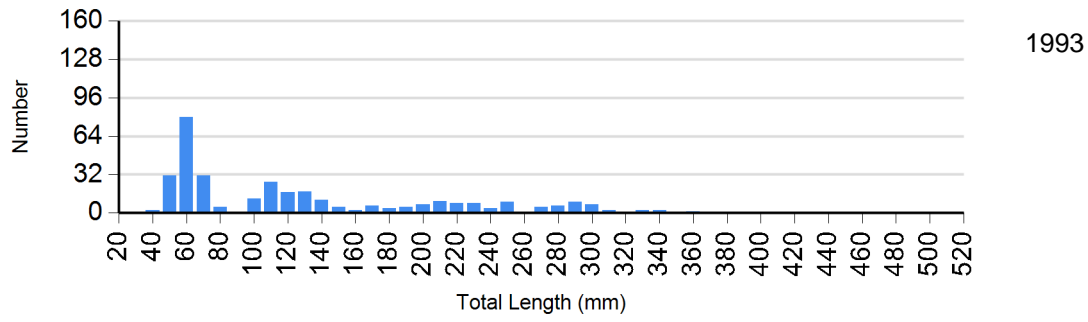
Site: 1843
Species: Brook Trout



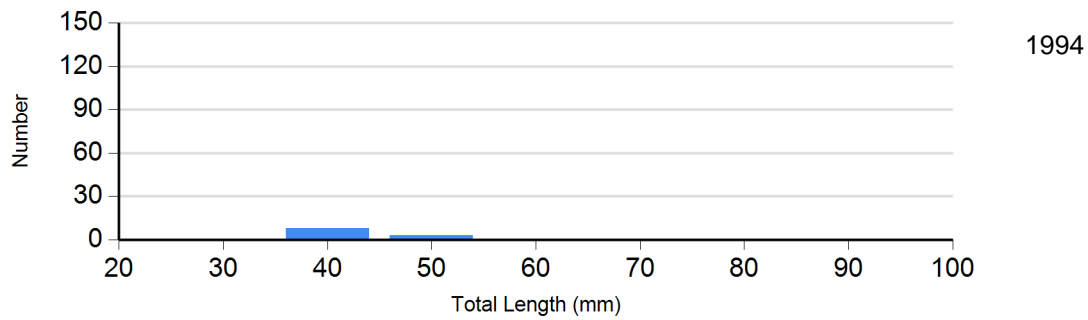


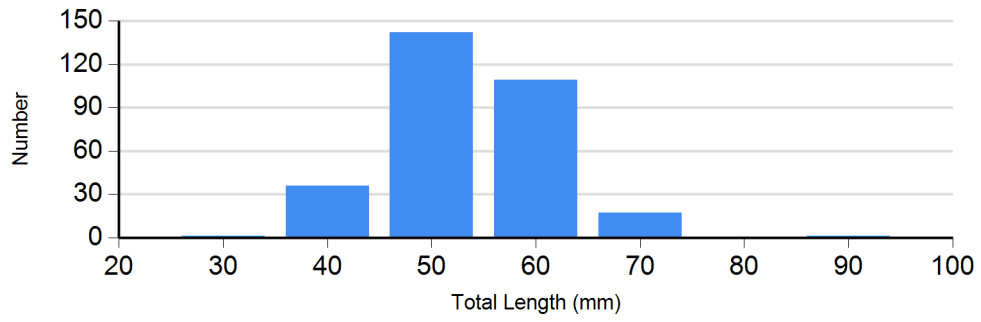
Site: 1843
Species: Brown Trout



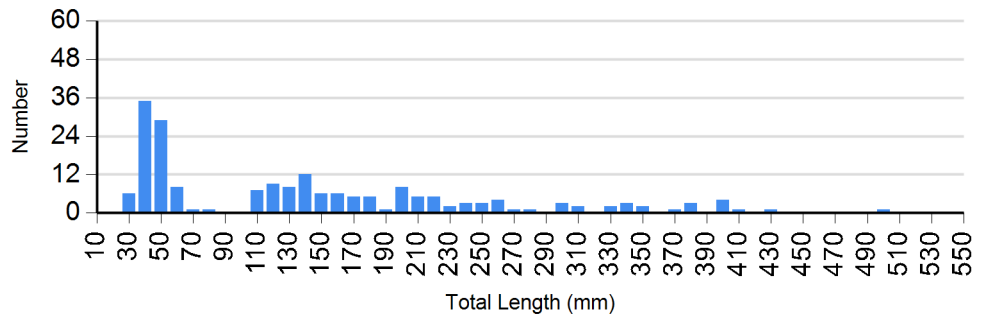
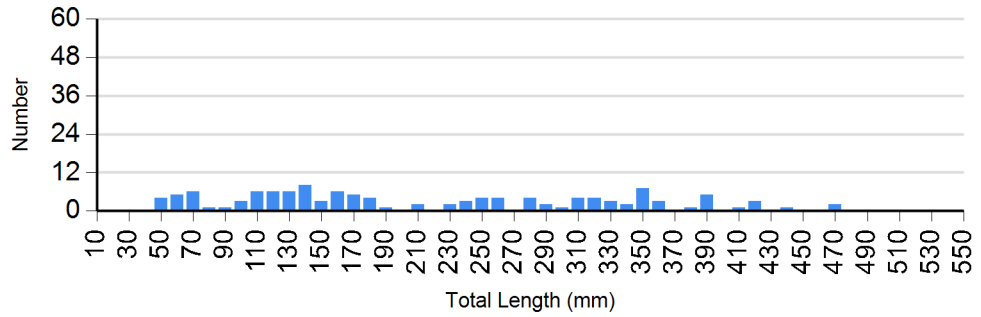
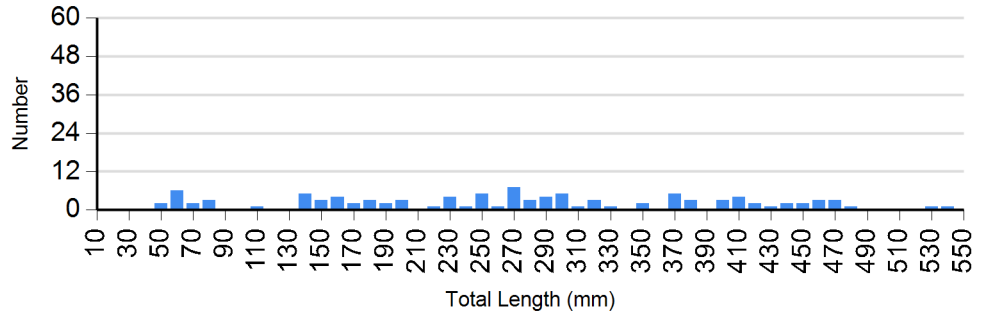


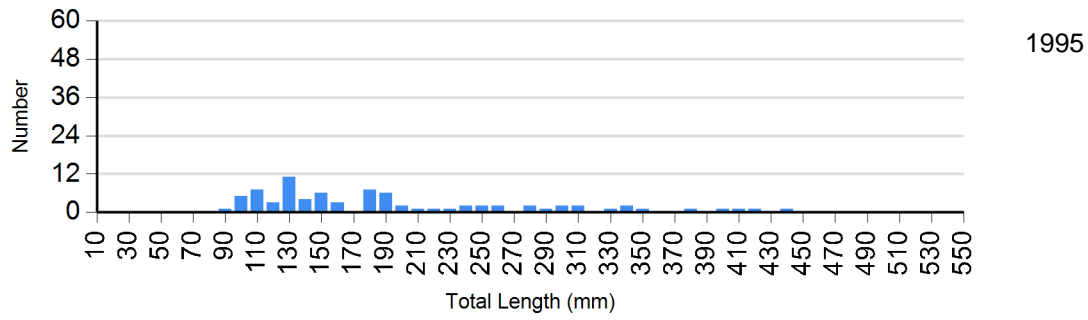
Site: 1843
Species: Unidentified YOY Trout



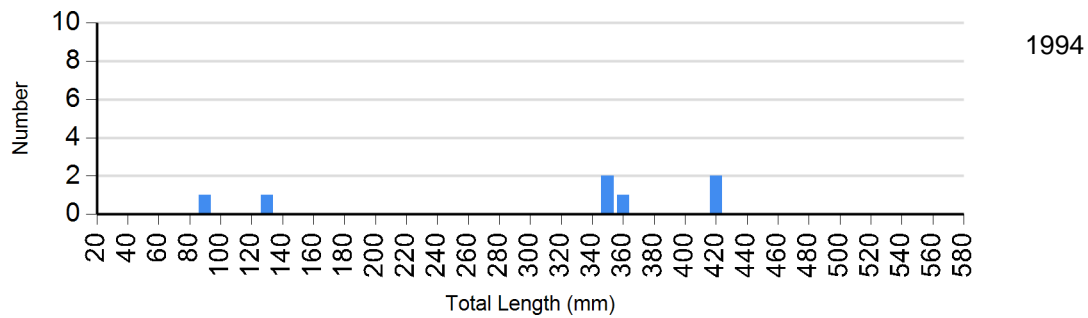
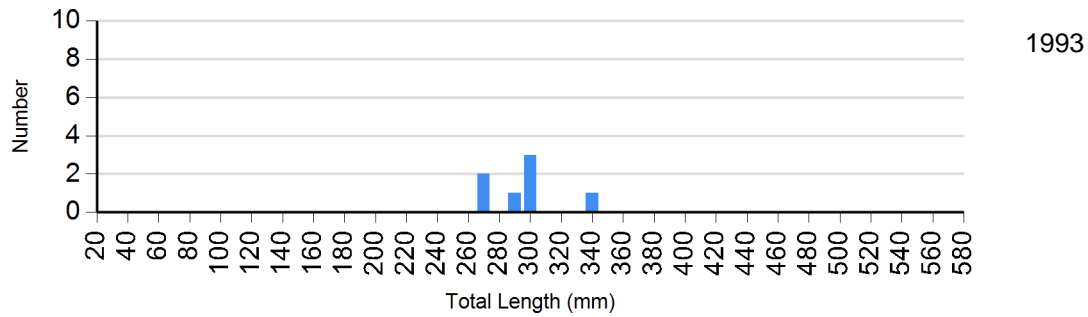
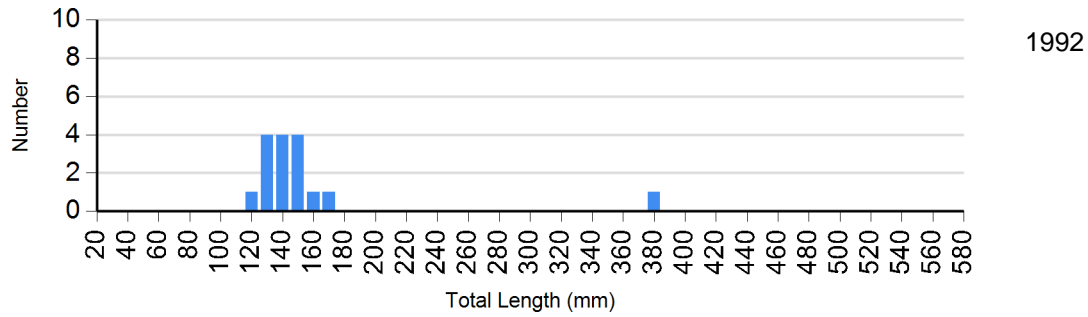


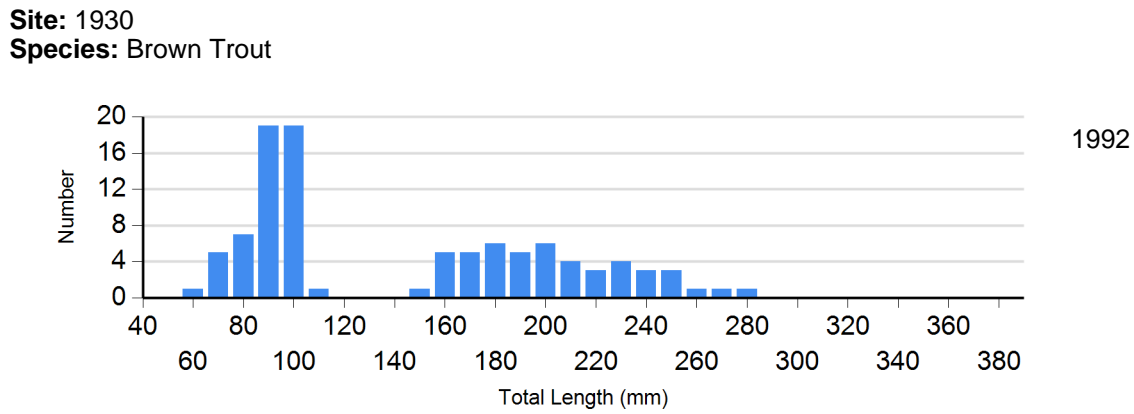
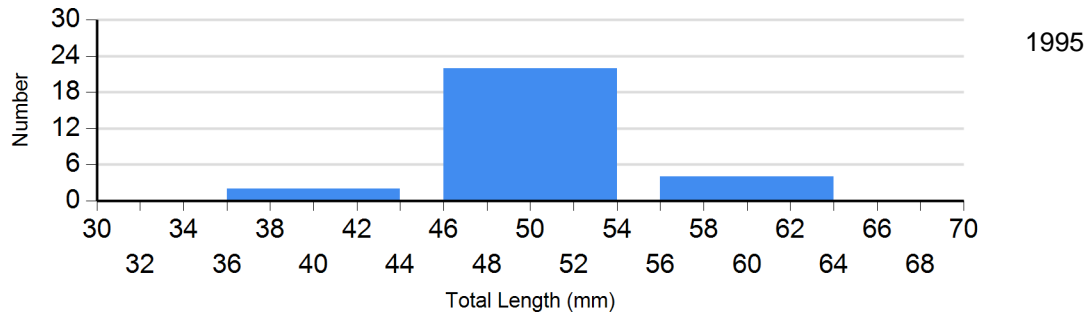
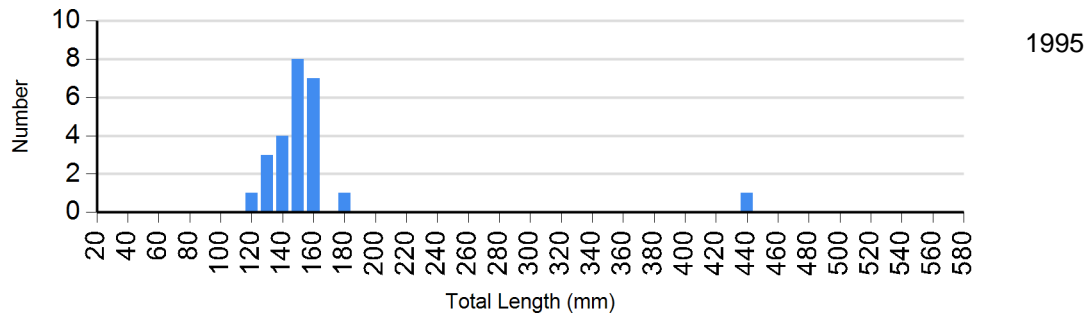
Site: 1853
Species: Brown Trout

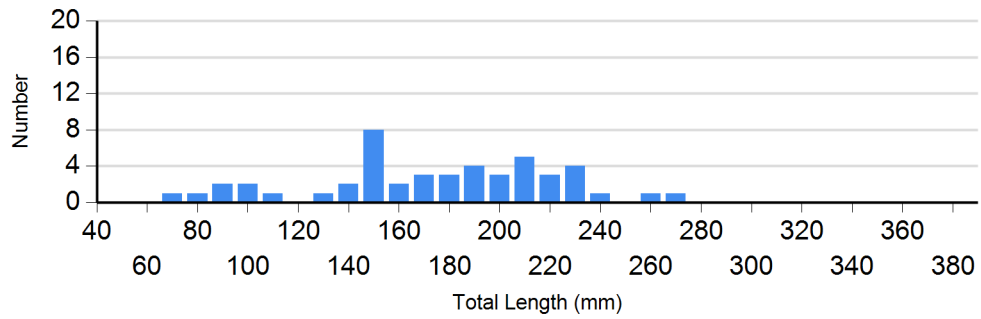
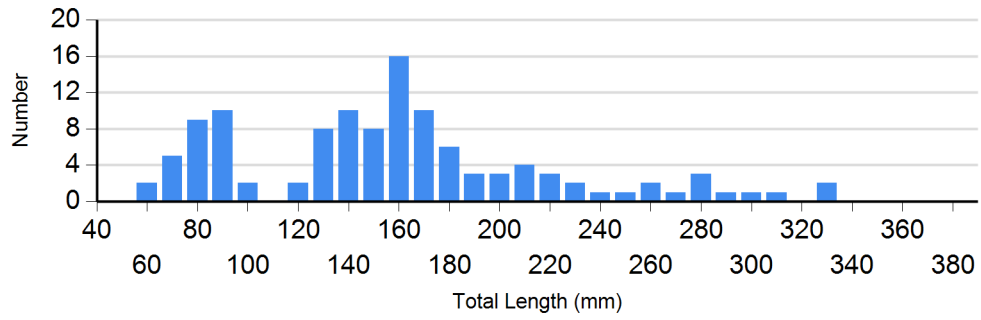
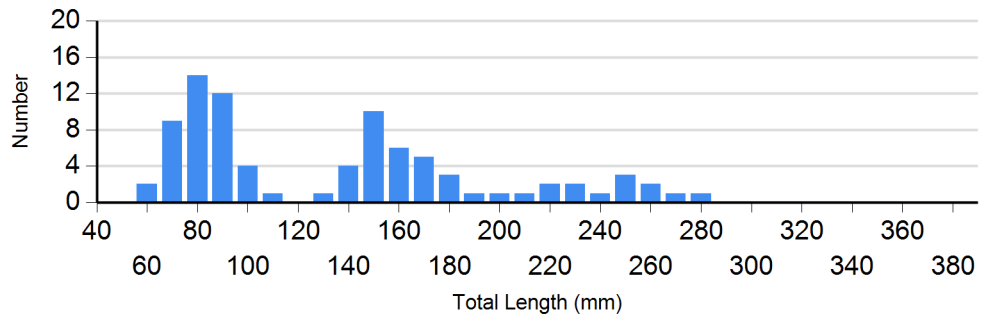




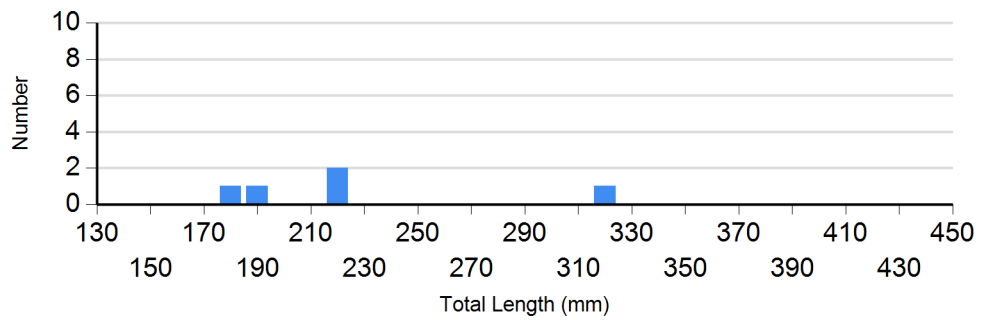
Site: 1853
Species: Rainbow Trout



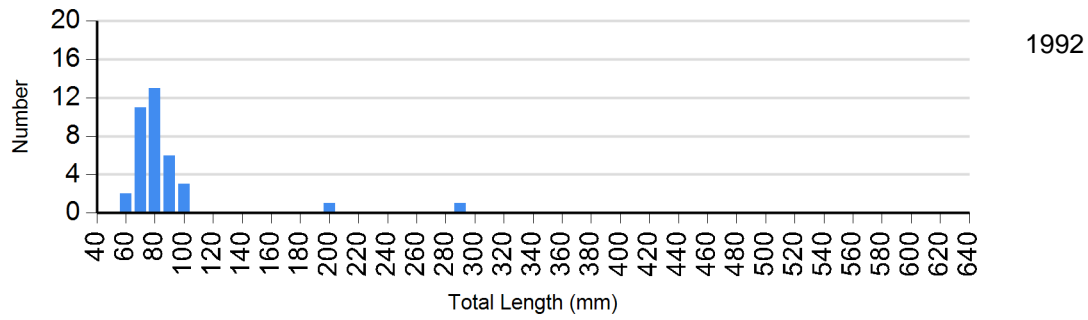




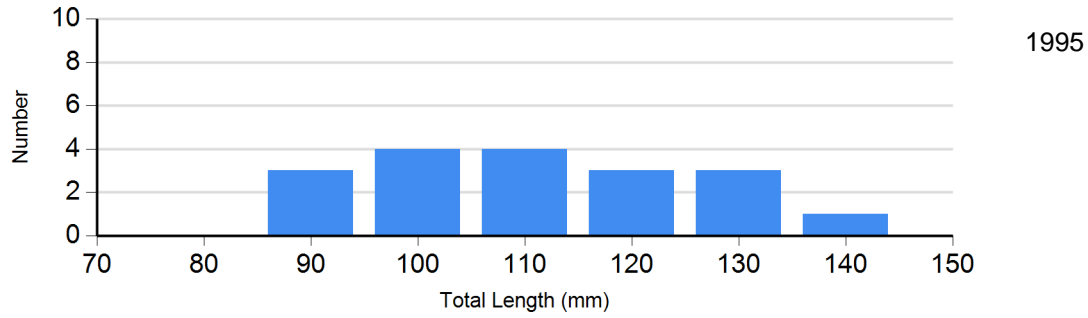
Site: 1930
Species: Hatchery Rainbow Trout



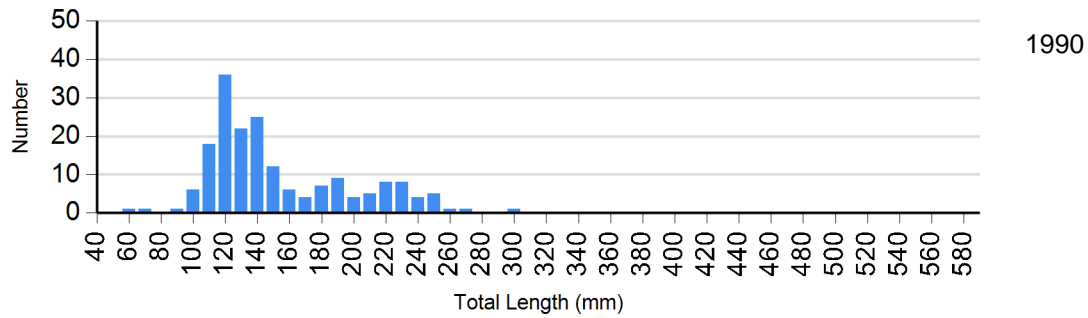
Site: 1930
Species: Rainbow Trout

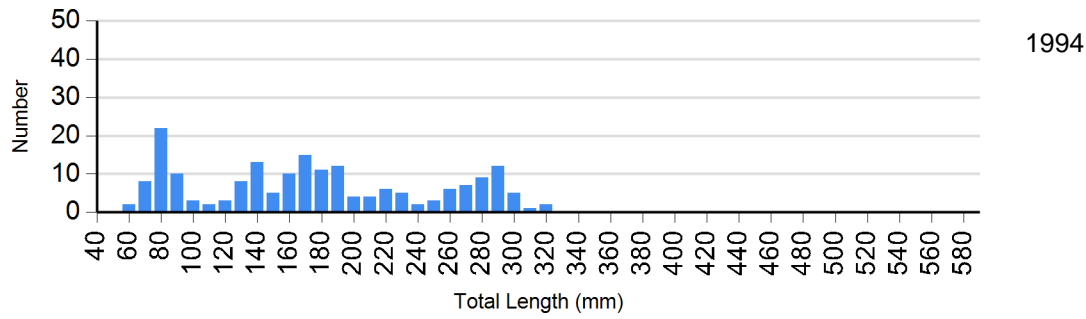
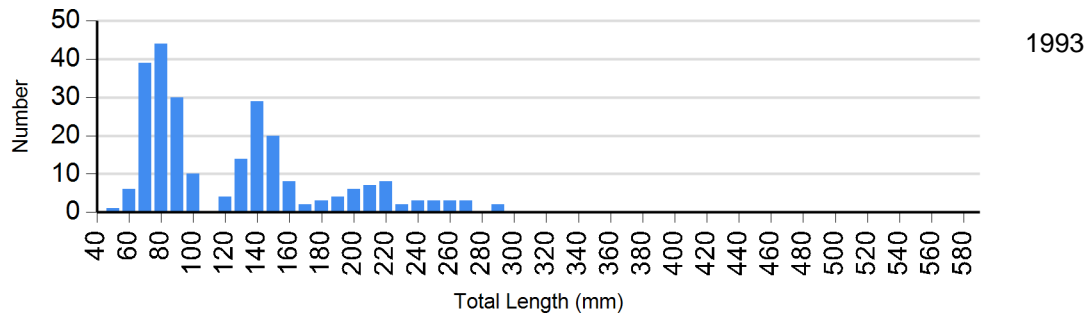
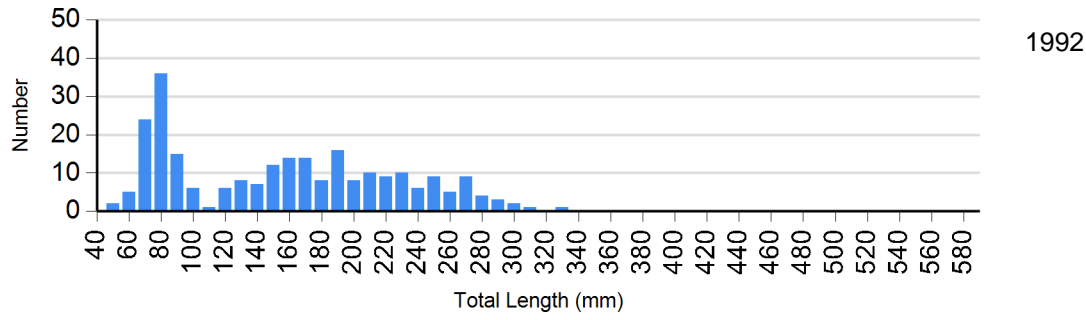
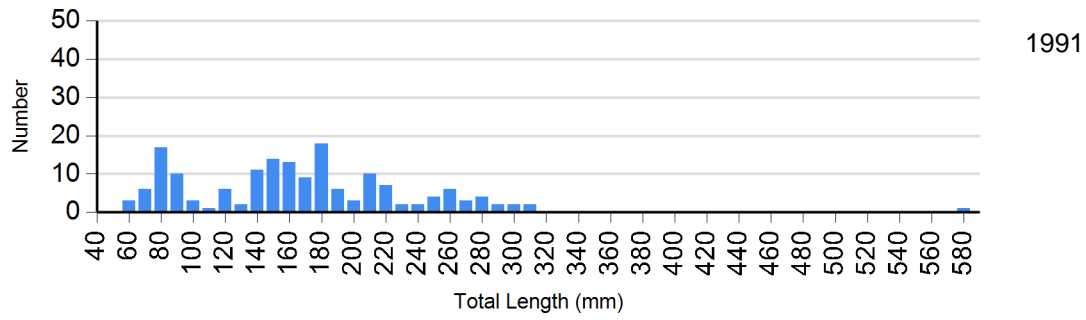


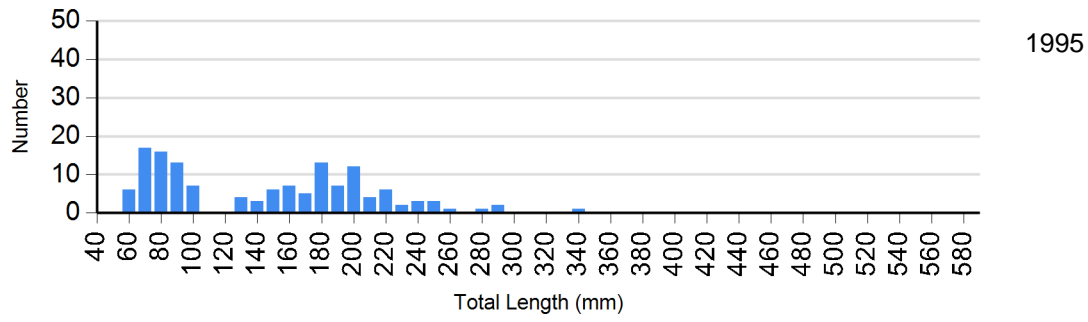
Site: 1930
Species: Rock Bass



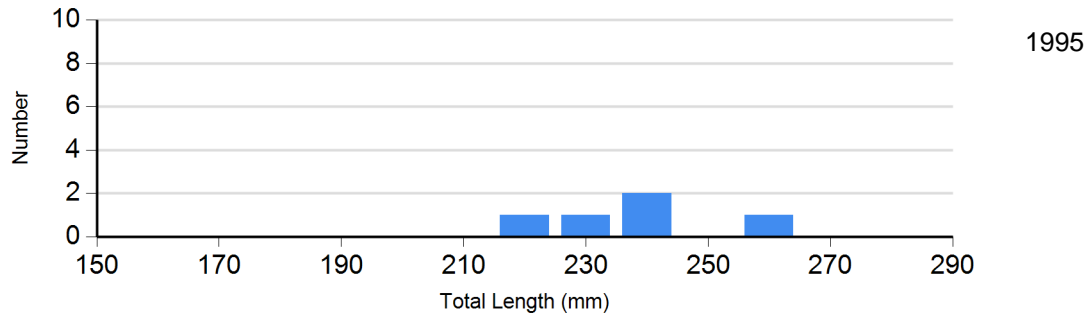
Site: 2007
Species: Brown Trout



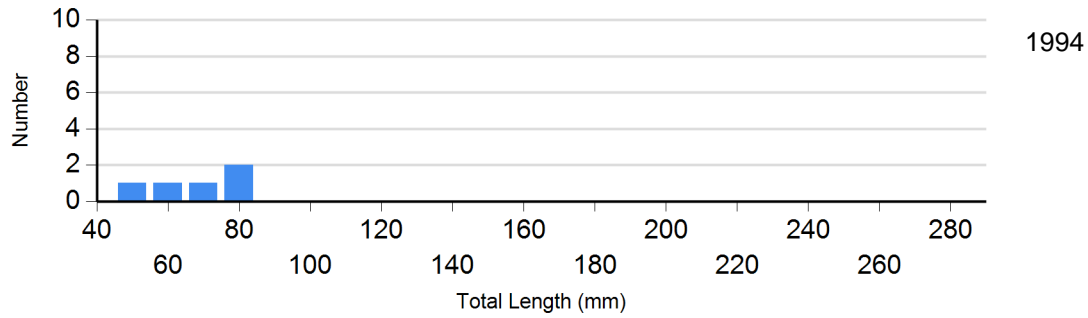


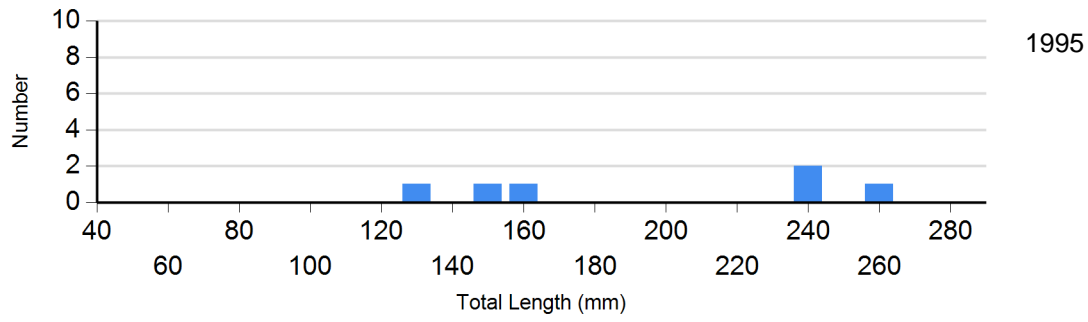


Site: 2007
Species: Hatchery Rainbow Trout



Site: 2007
Species: Rainbow Trout





Site: 2007
Species: Rock Bass

