

SOUTH DAKOTA BLACK HILLS COLD STREAM SURVEY
Bear Butte Creek, Meade County
49-0023-00
2002

Table 1. Population and Biomass Estimates for Bear Butte Creek

Site Number: 951	Date Sampled: 09/26/2002	Conductivity (umhos/cm): 488
Site Midpoint (Latitude, Longitude): 44.33467177, -103.62481850	Site Length (m): 100	pH: 8.7
Survey Completed by: South Dakota Game, Fish and Parks	Mean Width (m): 4.5	Water Temperature (C): 10.9
Stream Classification: BK2	Number of Pass: 4	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	134	139	145	134	3108	38	1390	1259	34.19	2237	99.8	12.3
Brook Trout	>=200mm	5	5	5	5	112	13	50	45	11.94	80	228.2	119.6
Brook Trout	All	139	143	149	139	3197	52	1430	1295	46.43	2301	104.4	16.3
Longnose Dace	All	37	55	89	37	1230	7	550	498	6.69	885	73.9	6.1
Mountain Sucker	All	17	22	36	17	492	10	220	199	9.22	354	80.8	21.0
White Sucker	All	45	45	45	45	1006	53	450	407	47.27	724	168.9	52.6

Site Number: 955	Date Sampled: 09/26/2002	Conductivity (umhos/cm): 452
Site Midpoint (Latitude, Longitude): 44.33484568, -103.62910289	Site Length (m): 100	pH: 8.9
Survey Completed by: South Dakota Game, Fish and Parks	Mean Width (m): 4.5	Water Temperature (C): 8.1
Stream Classification: BK3, RB2	Number of Pass: 4	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	108	108	110	108	2424	34	1080	982	30.41	1738	96.3	14.0
Brook Trout	>=200mm	1	1	2	1	22	2	10	9	2.02	16	239.0	101.0

Brook Trout	All	109	109	111	109	2447	36	1090	991	32.50	1754	97.6	14.9
Longnose Dace	All	24	24	25	24	539	2	240	218	1.92	386	53.0	4.0
Mountain Sucker	All	4	4	4	4	90	0	40	36	0.36	64	67.3	4.5
Rainbow Trout	>=200mm	1	1	1	1	22	4	10	9	3.49	16	247.0	174.0
Rainbow Trout	All	1	1	1	1	22	4	10	9	3.49	16	247.0	174.0
White Sucker	All	11	11	12	11	247	21	110	100	18.34	177	98.1	83.2

Site Number: 976

Site Midpoint (Latitude, Longitude): 44.32812906, -103.64456485

Survey Completed by: South Dakota Game, Fish and Parks

Stream Classification: BK2, RB2

Date Sampled: 09/12/2002

Site Length (m): 100

Mean Width (m): 2.9

Number of Pass: 4

Conductivity (umhos/cm): 650

pH: 7.1

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)
Brook Trout	<200mm	98	103	110	98	3541	62	1030	1434	55.73	1657	110.2	17.6
Brook Trout	>=200mm	7	7	7	7	241	26	70	97	23.36	113	222.7	108.7
Brook Trout	All	147	149	152	147	5122	122	1490	2074	108.94	2397	117.7	23.8
Longnose Dace	All	225	239	251	227	8216	55	2390	3327	49.03	3846	47.3	6.7
Mountain Sucker	All	16	16	18	16	550	10	160	223	8.69	257	112.8	17.7
Rainbow Trout	<200mm	6	6	6	6	206	10	60	84	8.66	97	162.8	47.0
Rainbow Trout	>=200mm	1	1	1	1	34	5	10	14	4.02	16	232.0	131.0
Rainbow Trout	All	7	7	7	7	241	14	70	97	12.68	113	172.7	59.0
White Sucker	All	8	8	9	8	275	14	80	111	12.43	129	154.0	50.6

Site Number: 977

Site Midpoint (Latitude, Longitude): 44.32765077, -103.64555220

Date Sampled: 09/12/2002

Site Length (m): 100

Conductivity (umhos/cm): 650

pH: 7.1

Survey Completed by: South Dakota Game, Fish and Parks

Mean Width (m): 3.5

Water Temperature (C): 12.5

Stream Classification: BK2, RB2

Number of Pass: 4

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	112	114	118	112	3274	36	1140	1326	32.07	1834	94.5	11.0
Brook Trout	>=200mm	10	10	10	10	287	26	100	116	22.93	161	212.6	89.4
Brook Trout	All	122	123	126	122	3533	63	1230	1431	56.50	1979	104.2	17.9
Longnose Dace	All	206	267	312	222	7668	54	2670	3106	47.80	4296	55.4	7.0
Mountain Sucker	All	21	22	26	21	632	11	220	256	10.02	354	112.6	17.8
Rainbow Trout	<200mm	3	3	3	3	86	2	30	35	2.23	48	140.3	29.0
Rainbow Trout	>=200mm	1	1	1	1	29	3	10	12	2.49	16	207.0	97.0
Rainbow Trout	All	4	4	4	4	115	5	40	47	4.72	64	157.0	46.0
White Sucker	All	11	11	12	11	316	14	110	128	12.41	177	120.2	44.0

Site Number: 985

Date Sampled: 09/11/2002

Conductivity (umhos/cm): 580

Site Midpoint (Latitude, Longitude): 44.32564488, -103.65235156

Site Length (m): 100

pH: 7.1

Survey Completed by: South Dakota Game, Fish and Parks

Mean Width (m): 3.0

Water Temperature (C): 13.5

Stream Classification: BK2, RB0

Number of Pass: 4

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	169	169	170	169	5566	66	1690	2254	58.57	2719	90.0	11.8
Brook Trout	>=200mm	8	8	8	8	263	33	80	107	29.23	129	232.3	124.3
Brook Trout	All	229	230	233	229	7575	128	2300	3068	114.70	3701	96.4	17.0
Longnose Dace	All	162	172	182	162	5665	28	1720	2294	25.29	2767	67.2	5.0
Mountain Sucker	All	17	17	17	17	560	9	170	227	8.41	274	115.5	16.8

Rainbow Trout	<200mm	3	3	3	3	99	4	30	40	3.38	48	155.3	38.3
Rainbow Trout	All	3	3	3	3	99	4	30	40	3.38	48	155.3	38.3

Site Number: 988

Site Midpoint (Latitude, Longitude): 44.32359378, -103.65026058

Survey Completed by: South Dakota Game, Fish and Parks

Stream Classification: BK3

Date Sampled: 09/11/2002

Site Length (m): 100

Mean Width (m): 3.5

Number of Pass: 4

Conductivity (umhos/cm): 265

pH: 8.6

Water Temperature (C): 15.5

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)
Brook Trout	<200mm	65	65	66	65	1862	23	650	754	20.74	1046	98.5	12.5
Brook Trout	>=200mm	2	2	2	2	57	6	20	23	5.06	32	217.5	99.0
Brook Trout	All	67	67	68	67	1919	29	670	777	25.81	1078	102.1	15.1
Longnose Dace	All	884	1097	1171	1023	31424	100	10970	12727	89.00	17651	58.1	3.2
Mountain Sucker	All	34	35	38	34	1003	12	350	406	10.81	563	95.4	12.1
White Sucker	All	1	1	2	1	29	1	10	12	1.25	16	172.0	49.0

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 Bear Butte Creek, 1992-2002

Site 951

Species/Size	Date	Pop Est.	(95% C.I.)	Stream Classification
Brook Trout <200mm	Sep 09, 1992	5	5-6	
	Sep 17, 1998	2	2-3	
	Sep 13, 1999	2	2-2	
	Sep 11, 2000	15	15-15	
	Oct 30, 2001	78	78-79	
	Sep 26, 2002	139	134-145	
Brook Trout >=200mm	Sep 17, 1998	1	1-2	BK3

Brook Trout >=200mm	Sep 26, 2002	5	5-5	BK2
Longnose Dace	Sep 09, 1992	1	1-1	
	Sep 13, 1999	1	1-1	
	Oct 30, 2001	33	27-46	
	Sep 26, 2002	55	37-89	
Mountain Sucker	Sep 09, 1992	19	18-23	
	Sep 11, 2000	9	9-9	
	Oct 30, 2001	2	2-6	
	Sep 26, 2002	22	17-36	
White Sucker	Sep 13, 1999	7	7-9	
	Sep 11, 2000	79	73-88	
	Oct 30, 2001	8	8-8	
	Sep 26, 2002	45	45-45	

Site 955

Species/Size	Date	Pop Est.	(95% C.I.)	Stream Classification
Brook Trout <200mm	Sep 09, 1992	35	35-37	

Brook Trout <200mm	Sep 19, 1995	2	2-3	
	Sep 23, 1996	9	9-10	
	Sep 10, 1997	6	6-7	
	Sep 16, 1998	4	4-4	
	Sep 15, 1999	5	5-5	
	Sep 11, 2000	25	25-26	
	Oct 30, 2001	150	150-152	
	Sep 26, 2002	108	108-110	
Brook Trout >=200mm	Sep 09, 1992	2	2-2	BK3
	Sep 10, 1997	14	14-16	BK2
	Sep 16, 1998	2	2-2	BK3
	Sep 11, 2000	5	5-5	BK2
	Oct 30, 2001	6	6-6	BK2
	Sep 26, 2002	1	1-2	BK3
Longnose Dace	Sep 09, 1992	521	449-593	
	Sep 10, 1997	21	21-22	

Longnose Dace	Sep 11, 2000	6	6-6	
	Oct 30, 2001	44	38-55	
	Sep 26, 2002	24	24-25	
Mountain Sucker	Sep 09, 1992	82	77-90	
	Sep 10, 1997	8	8-8	
	Sep 16, 1998	5	5-6	
	Sep 15, 1999	3	3-3	
	Sep 11, 2000	18	14-30	
	Oct 30, 2001	22	22-24	
	Sep 26, 2002	4	4-4	
Rainbow Trout >=200mm	Sep 09, 1992	5	5-5	RB1
	Sep 10, 1997	1	1-1	RB2
	Sep 26, 2002	1	1-1	RB2
White Sucker	Sep 09, 1992	10	10-12	
	Sep 23, 1996	9	9-10	
	Sep 10, 1997	7	7-7	

White Sucker	Sep 15, 1999	4	4-4
	Oct 30, 2001	41	40-44
	Sep 26, 2002	11	11-12

Site 976

Species/Size	Date	Pop Est.	(95% C.I.)	Stream Classification
Brook Trout <200mm	Apr 16, 1993	2	2-2	
	Jun 10, 1993	6	6-7	
	Sep 23, 1996	30	30-31	
	Sep 09, 1997	1	1-1	
	Sep 13, 1999	6	6-6	
	Sep 12, 2000	42	42-43	
	Sep 12, 2002	103	98-110	
Brook Trout >=200mm	Sep 20, 1994	1	1-1	BK3
	Sep 09, 1997	2	2-3	BK3
	Sep 13, 1999	1	1-1	BK3
	Sep 12, 2000	24	24-24	BK1

Brook Trout >=200mm	Sep 12, 2002	7	7-7	BK2
Longnose Dace	Apr 16, 1993	323	71-1282	
	Jun 10, 1993	79	59-107	
	Sep 18, 1995	74	68-83	
	Sep 09, 1997	106	106-107	
	Sep 12, 2000	288	73-982	
	Sep 12, 2002	239	227-251	
Mountain Sucker	Apr 16, 1993	2	2-4	
	Sep 09, 1997	71	67-78	
	Sep 14, 1998	1	1-3	
	Sep 13, 1999	4	4-5	
	Sep 12, 2000	113	109-119	
	Sep 12, 2002	16	16-18	
Rainbow Trout <200mm	Apr 16, 1993	1	1-3	
	Jun 10, 1993	1	1-1	
	Sep 12, 2000	21	21-22	

Rainbow Trout <200mm	Sep 12, 2002	6	6-6	
Rainbow Trout >=200mm	Jun 10, 1993	2	2-2	RB2
	Sep 13, 1999	2	2-3	RB2
	Sep 12, 2002	1	1-1	RB2
White Sucker	Apr 16, 1993	2	2-5	
	Sep 23, 1996	47	44-53	
	Sep 09, 1997	11	11-13	
	Sep 14, 1998	1	1-3	
	Sep 13, 1999	7	7-8	
	Sep 12, 2000	42	37-51	
	Sep 12, 2002	8	8-9	

Site 977

Species/Size	Date	Pop Est.	(95% C.I.)	Stream Classification
Brook Trout <200mm	Jun 10, 1993	8	8-8	
	Sep 23, 1996	47	47-49	
	Sep 09, 1997	1	1-2	

Brook Trout <200mm	Sep 14, 1999	26	26-28	
	Sep 12, 2000	32	30-37	
	Sep 12, 2002	114	112-118	
Brook Trout >=200mm	Sep 09, 1997	5	5-5	BK2
	Sep 12, 2000	8	8-8	BK2
	Sep 12, 2002	10	10-10	BK2
Longnose Dace	Apr 16, 1993	128	66-239	
	Jun 10, 1993	68	44-111	
	Sep 09, 1997	10	10-11	
	Sep 14, 1999	765	253-1474	
	Sep 12, 2000	56	42-80	
	Sep 12, 2002	267	222-312	
Mountain Sucker	Apr 16, 1993	16	13-26	
	Sep 09, 1997	28	21-45	
	Sep 12, 2000	38	36-43	
	Sep 12, 2002	22	21-26	

Rainbow Trout <200mm	Jun 10, 1993	1	1-1	
	Sep 12, 2000	26	26-27	
	Sep 12, 2002	3	3-3	
Rainbow Trout >=200mm	Jun 10, 1993	2	2-2	RB2
	Sep 20, 1994	1	1-1	RB2
	Sep 23, 1996	2	2-2	RB2
	Sep 14, 1999	1	1-1	RB2
	Sep 12, 2002	1	1-1	RB2
White Sucker	Apr 16, 1993	1	1-1	
	Jun 10, 1993	2	2-4	
	Sep 18, 1995	6	6-8	
	Sep 23, 1996	139	83-218	
	Sep 09, 1997	2	2-4	
	Sep 12, 2000	11	11-12	
	Sep 12, 2002	11	11-12	

Species/Size	Date	Pop Est.	(95% C.I.)	Stream Classification
Brook Trout <200mm	Nov 04, 1997	5	5-5	
	Sep 14, 1999	64	64-66	
	Sep 13, 2000	100	100-101	
	Oct 23, 2001	155	155-157	
	Sep 11, 2002	169	169-170	
Brook Trout >=200mm	Sep 08, 1997	1	1-1	BK3
	Nov 04, 1997	2	2-6	BK2
	Sep 14, 1999	11	11-11	BK2
	Sep 13, 2000	27	27-27	BK1
	Oct 23, 2001	7	7-7	BK2
	Sep 11, 2002	8	8-8	BK2
Longnose Dace	Sep 08, 1997	33	32-36	
	Nov 04, 1997	10	11-13	
	Sep 14, 1999	32	33-46	
	Sep 13, 2000	334	310-358	

Longnose Dace	Oct 23, 2001	239	89-540	
	Sep 11, 2002	172	162-182	
Mountain Sucker	Sep 08, 1997	87	86-90	
	Nov 04, 1997	257	143-386	
	Sep 14, 1999	3	3-3	
	Sep 13, 2000	168	163-174	
	Oct 23, 2001	78	70-89	
	Sep 11, 2002	17	17-17	
Rainbow Trout <200mm	Oct 23, 2001	7	7-8	
	Sep 11, 2002	3	3-3	
Rainbow Trout >=200mm	Oct 23, 2001	1	1-1	RB2
White Sucker	Sep 08, 1997	20	20-21	
	Nov 04, 1997	5	3-24	
	Sep 16, 1998	2	2-2	
	Sep 14, 1999	4	4-7	

Species/Size	Date	Pop Est.	(95% C.I.)	Stream Classification
Brook Trout <200mm	Sep 10, 1992	14	12-21	
	May 10, 1993	15	15-16	
	Sep 20, 1994	8	8-10	
	Sep 18, 1995	2	2-3	
	Sep 21, 1996	20	20-21	
	Jul 14, 1997	18	18-20	
	Sep 09, 1997	19	19-19	
	Nov 04, 1997	9	9-9	
	Sep 14, 1998	31	24-47	
	Sep 16, 1999	104	100-110	
	Sep 13, 2000	32	32-33	
	Oct 30, 2001	80	79-83	
	Sep 11, 2002	65	65-66	
Brook Trout >=200mm	May 10, 1993	1	1-4	BK3
	Jun 06, 1995	2	2-3	BK3

Brook Trout >=200mm	Sep 18, 1995	1	1-5	BK3
	Jul 14, 1997	1	1-1	BK3
	Nov 04, 1997	6	6-6	BK2
	Sep 14, 1998	2	2-4	BK3
	Sep 16, 1999	3	3-3	BK2
	Oct 30, 2001	4	4-4	BK2
	Sep 11, 2002	2	2-2	BK3
Longnose Dace	May 10, 1993	388	389-420	
	Sep 20, 1994	128	127-131	
	Jun 06, 1995	100	101-113	
	Sep 18, 1995	94	94-94	
	Sep 21, 1996	620	551-689	
	Jul 14, 1997	695	603-787	
	Sep 09, 1997	483	435-531	
	Nov 04, 1997	360	262-458	
	Sep 14, 1998	710	605-815	

Longnose Dace	Sep 16, 1999	352	353-377	
	Sep 13, 2000	1289	1273-1305	
	Oct 30, 2001	193	194-217	
	Sep 11, 2002	1097	1023-1171	
Mountain Sucker	Jun 06, 1995	14	6-73	
	Sep 18, 1995	3	3-3	
	Jul 14, 1997	15	16-21	
	Sep 09, 1997	146	125-167	
	Nov 04, 1997	12	12-14	
	Sep 14, 1998	43	39-51	
	Sep 13, 2000	119	115-125	
	Oct 30, 2001	27	22-39	
	Sep 11, 2002	35	34-38	
Rainbow Trout <200mm	Sep 10, 1992	2	2-2	
	May 10, 1993	1	1-1	
Rainbow Trout >=200mm	May 10, 1993	1	1-1	RB2

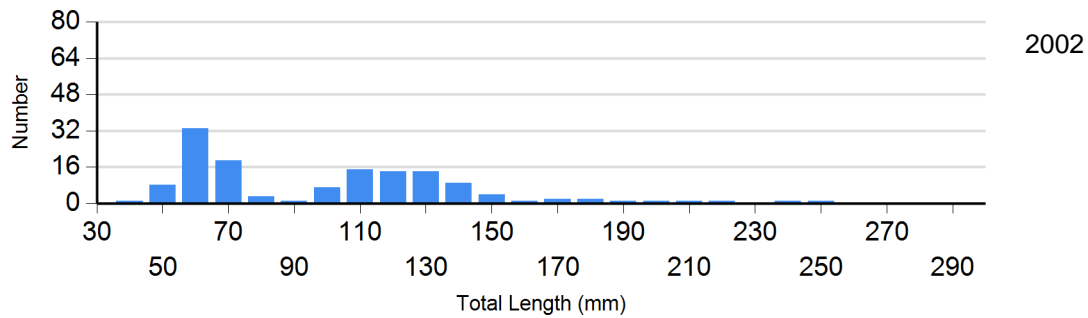
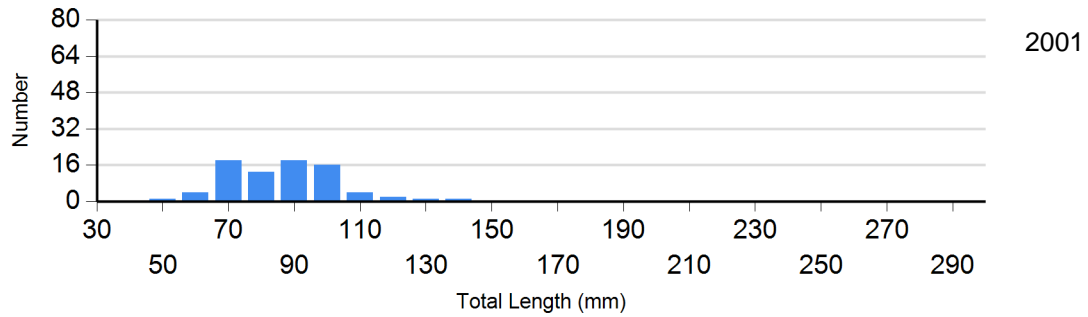
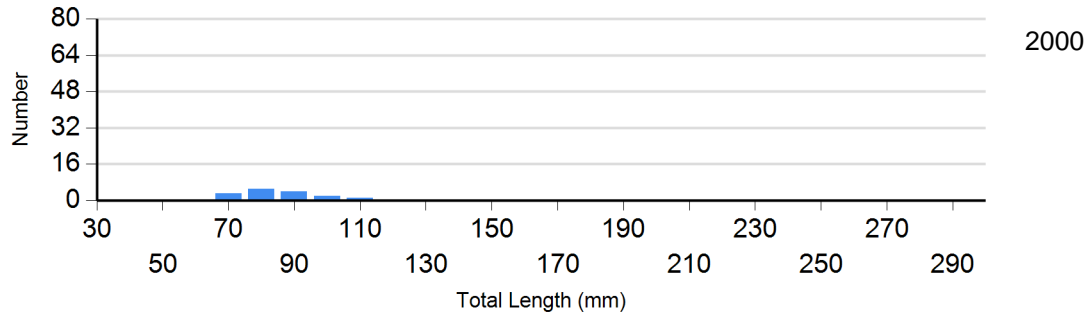
White Sucker	Sep 10, 1992	1	1-1
	May 10, 1993	48	28-97
	Sep 20, 1994	26	26-27
	Jun 06, 1995	28	15-76
	Sep 18, 1995	11	11-13
	Sep 21, 1996	70	66-77
	Jul 14, 1997	13	12-18
	Sep 09, 1997	13	13-13
	Nov 04, 1997	81	72-93
	Sep 14, 1998	31	23-50
	Sep 16, 1999	22	21-26
	Sep 13, 2000	1	1-1
	Oct 30, 2001	11	10-16
	Sep 11, 2002	1	1-2

Length Frequency Distribution

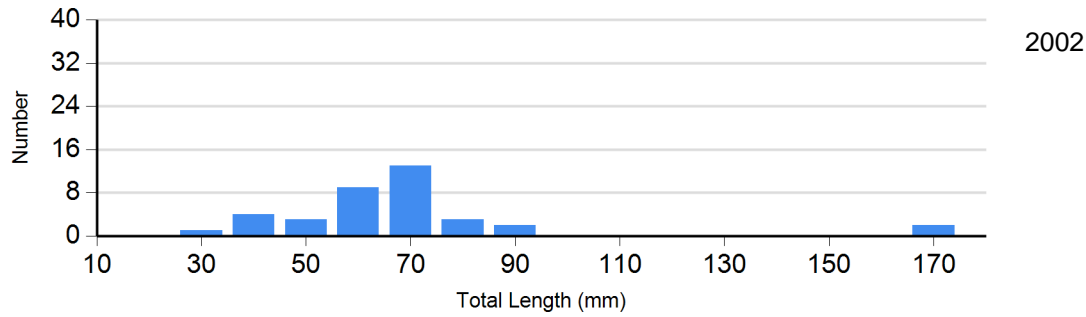
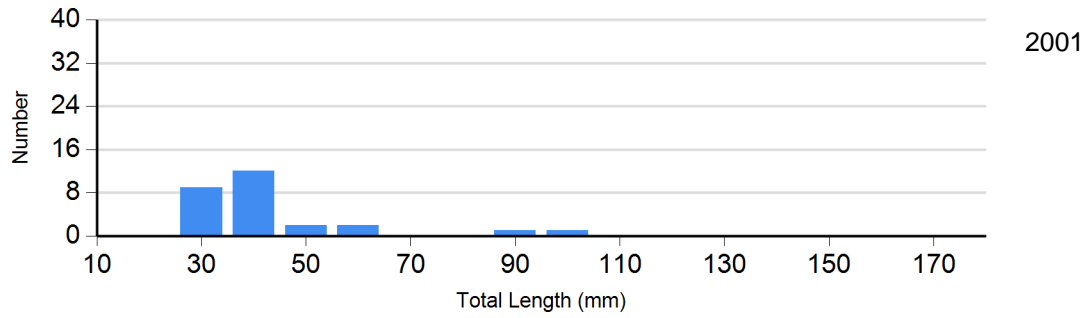
Length frequency histogram of species sampled by year.

Site: 951

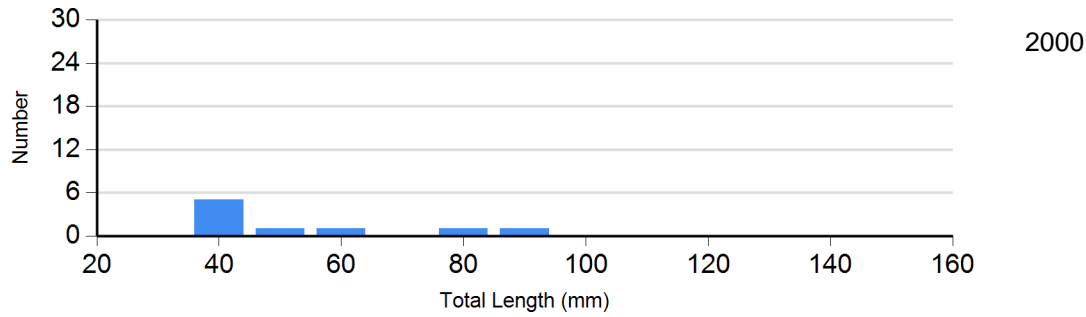
Species: Brook Trout

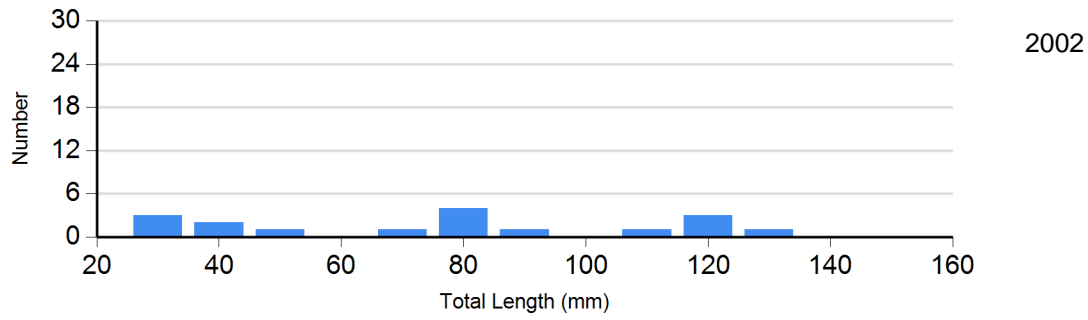


Site: 951
Species: Longnose Dace

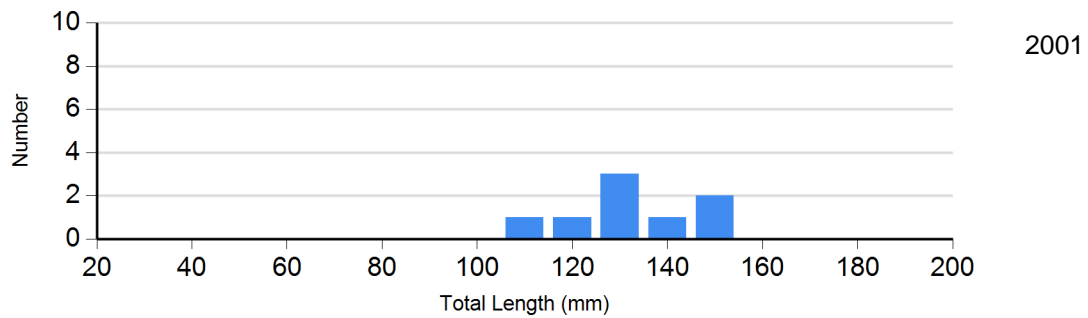
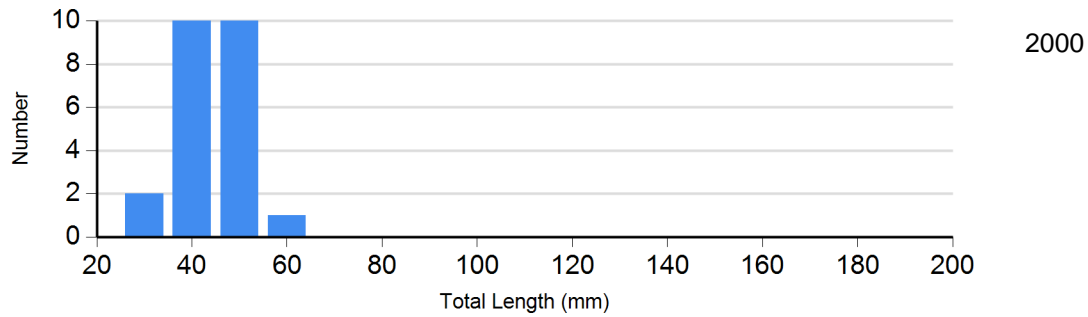
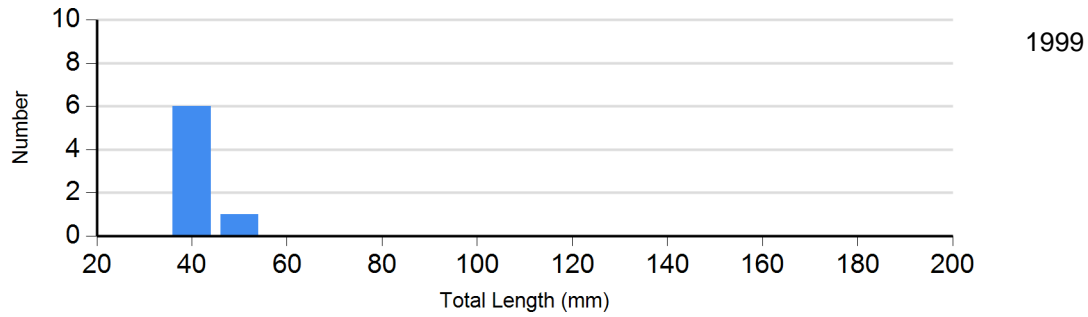


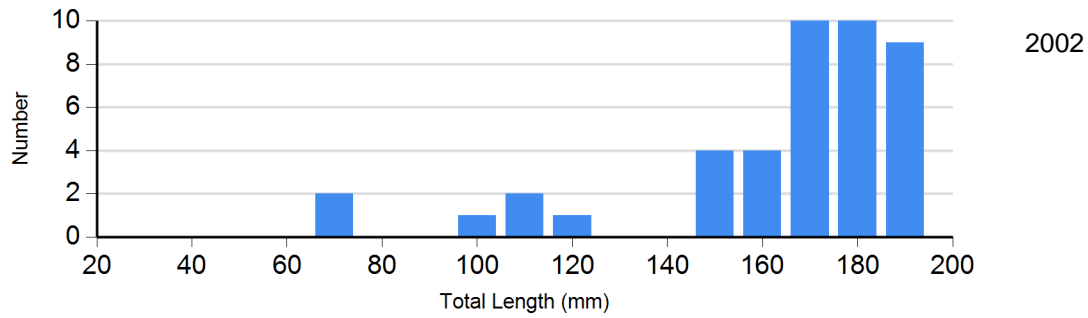
Site: 951
Species: Mountain Sucker



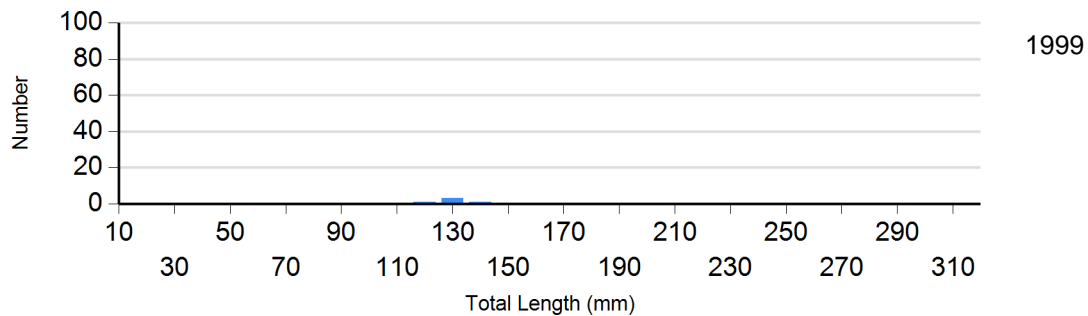
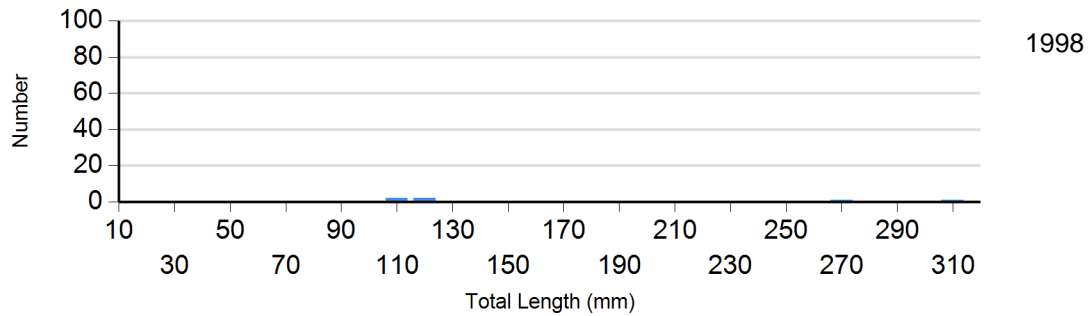
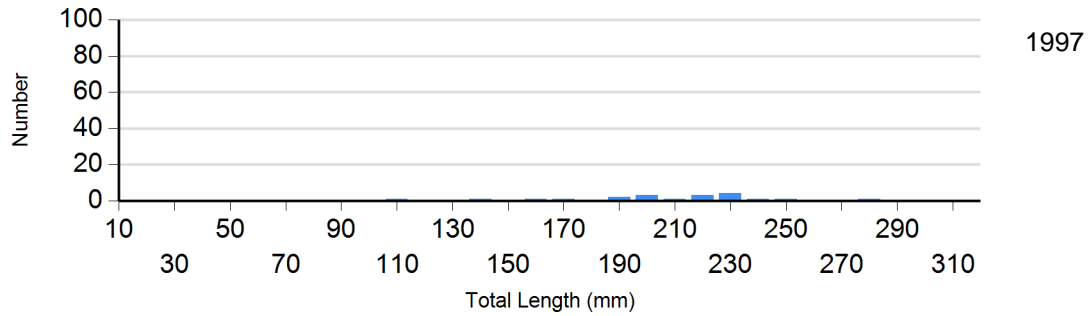


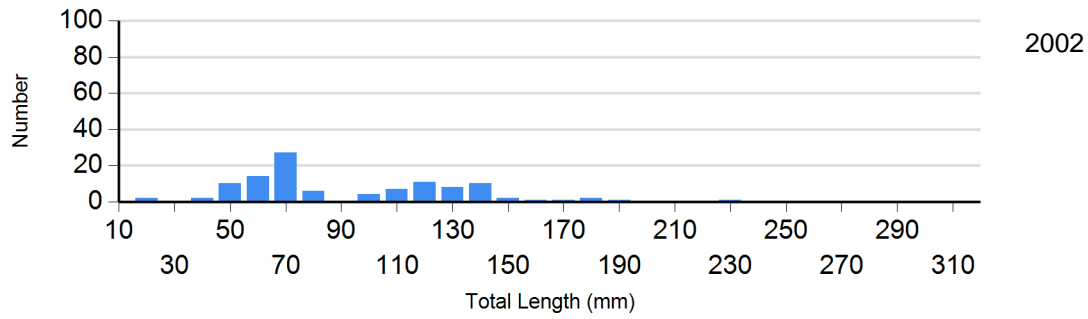
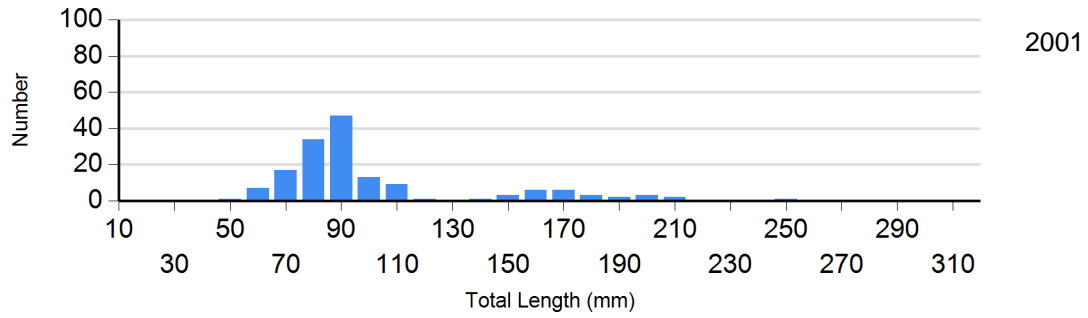
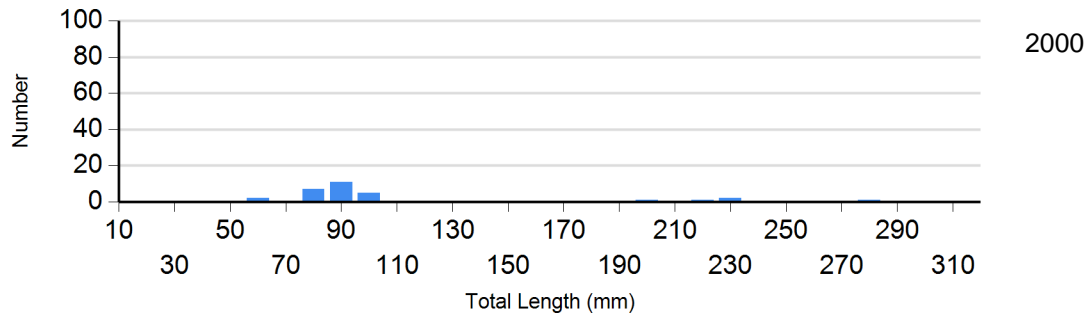
Site: 951
Species: White Sucker



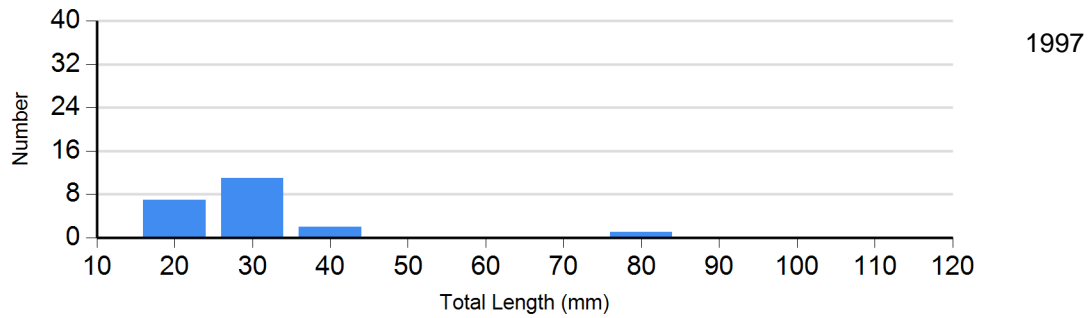


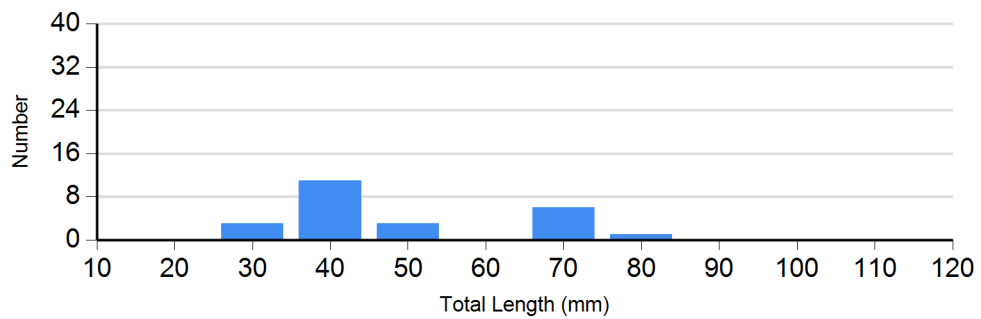
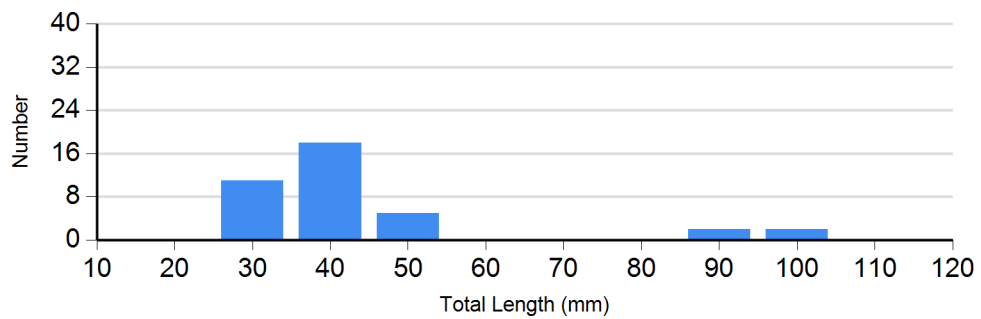
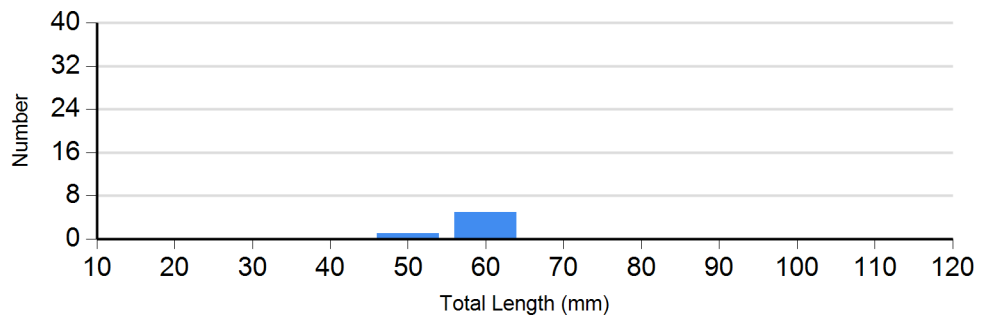
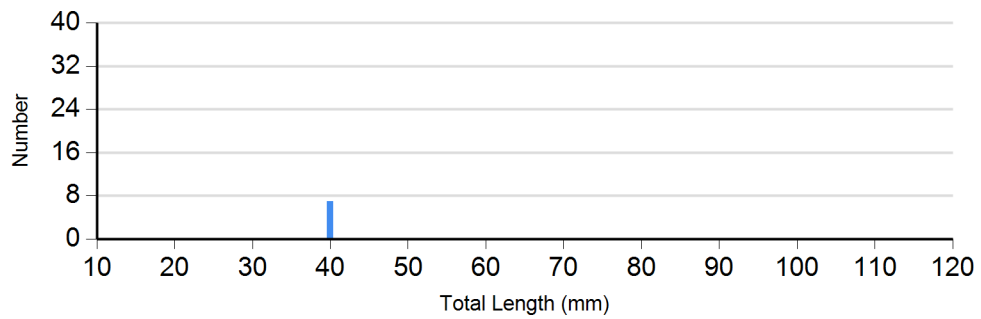
Site: 955
Species: Brook Trout



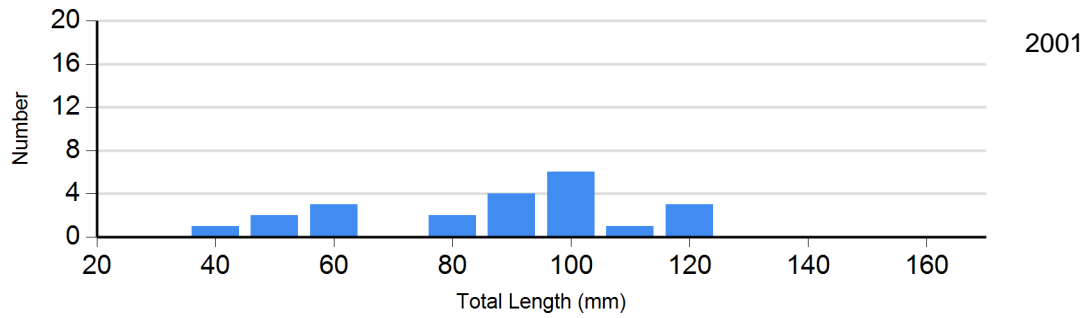
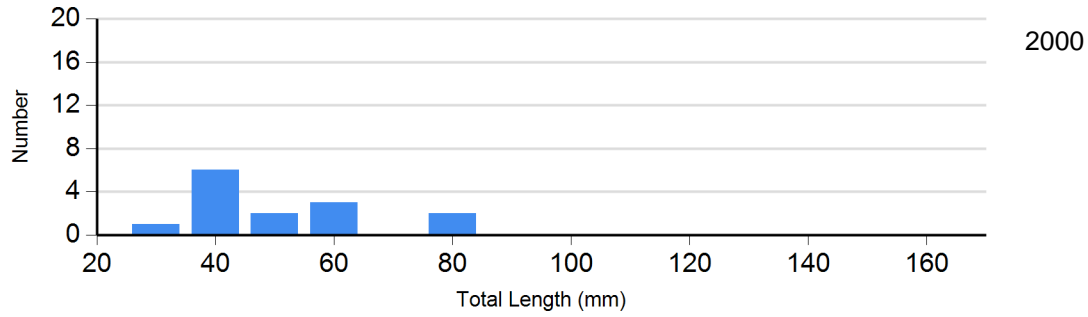
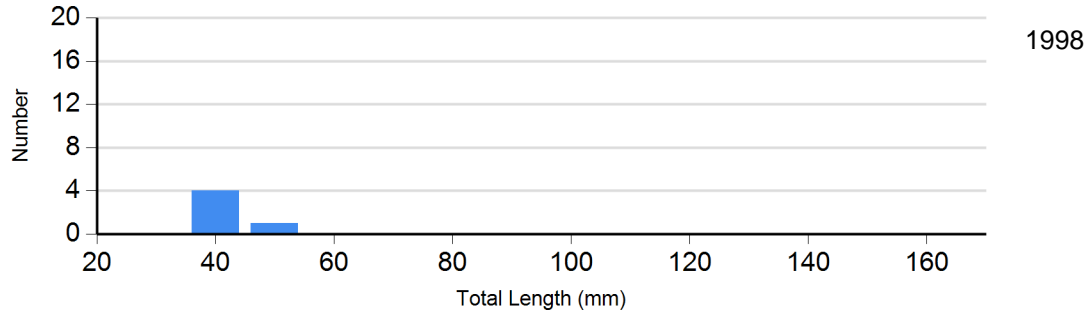
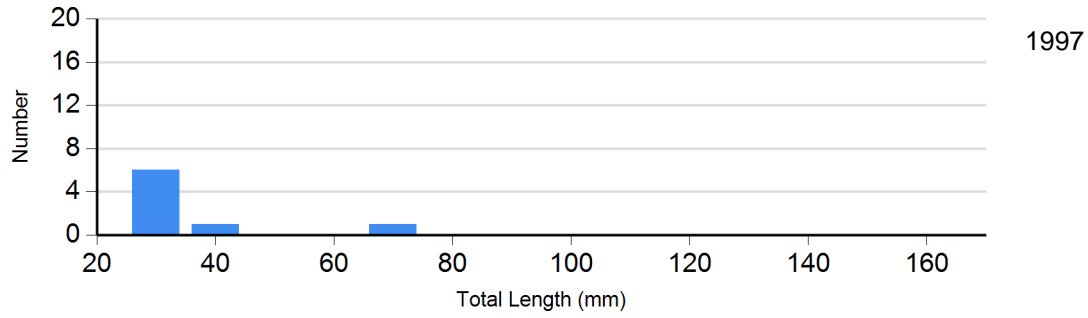


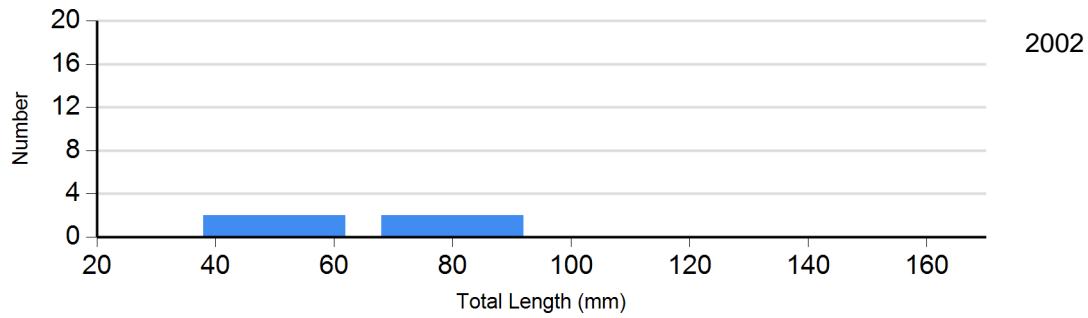
Site: 955
Species: Longnose Dace



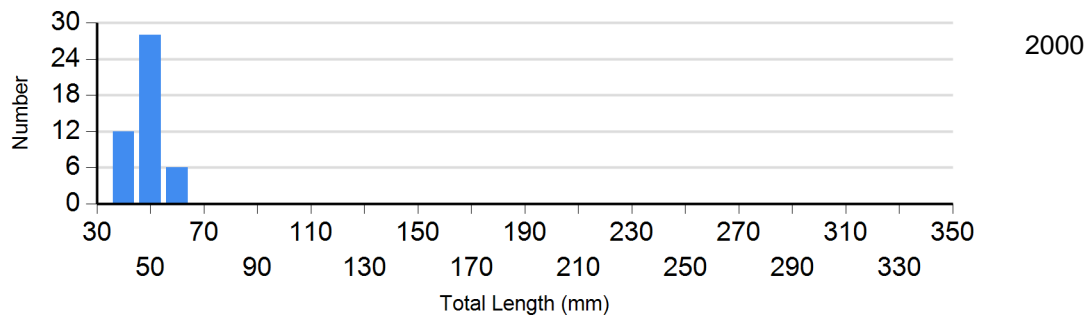
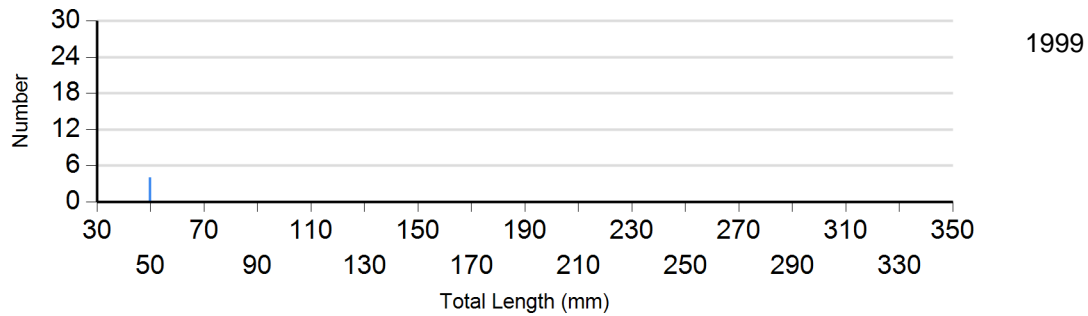
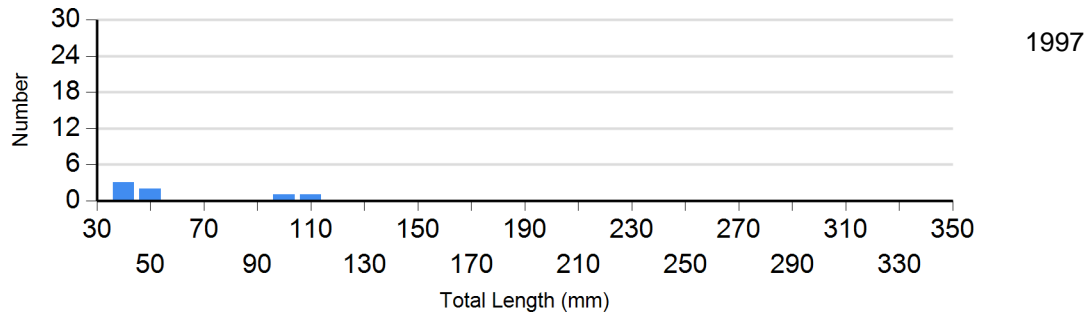


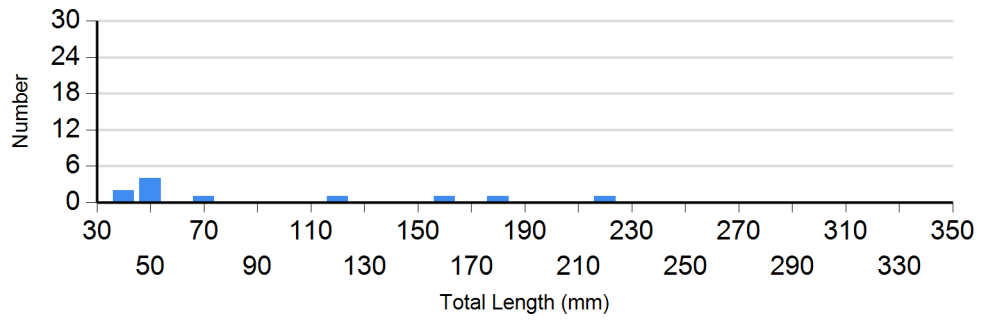
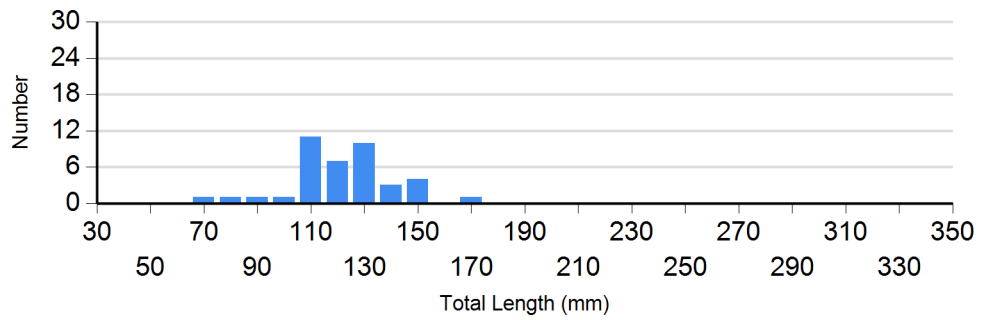
Site: 955
Species: Mountain Sucker



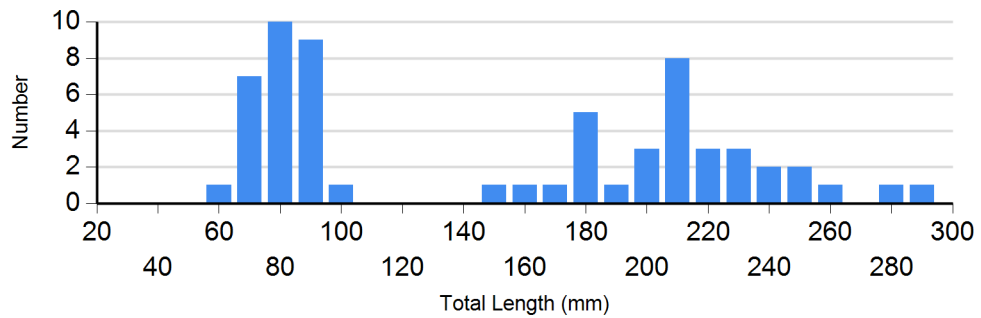
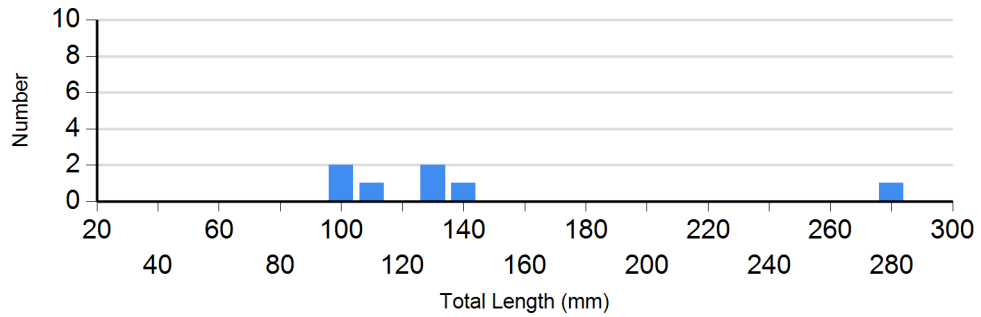


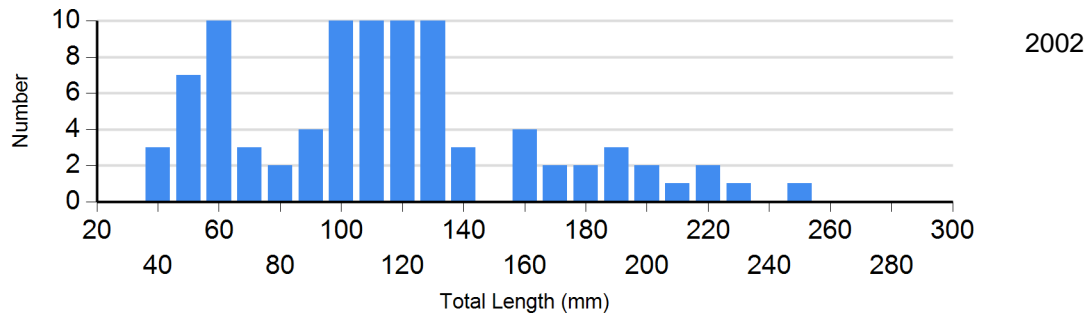
Site: 955
Species: White Sucker



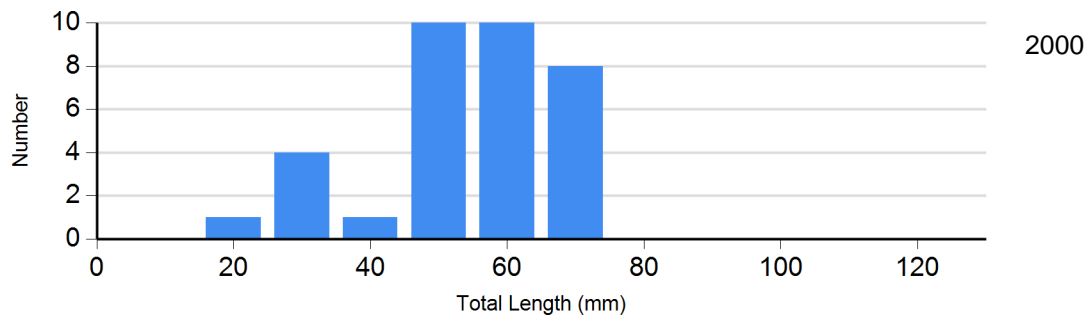
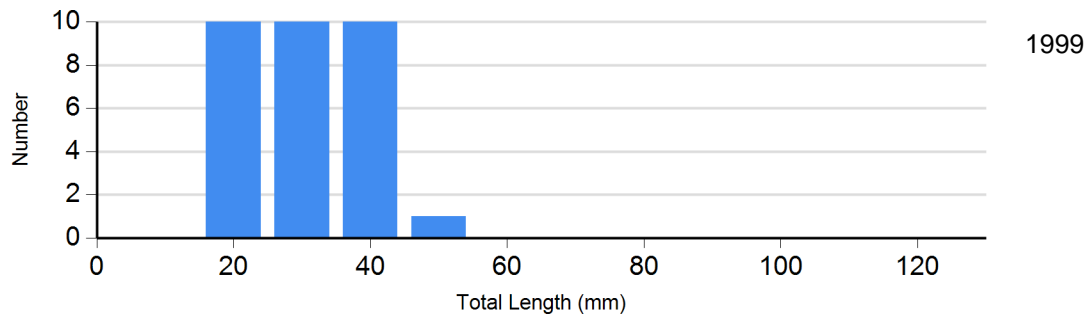
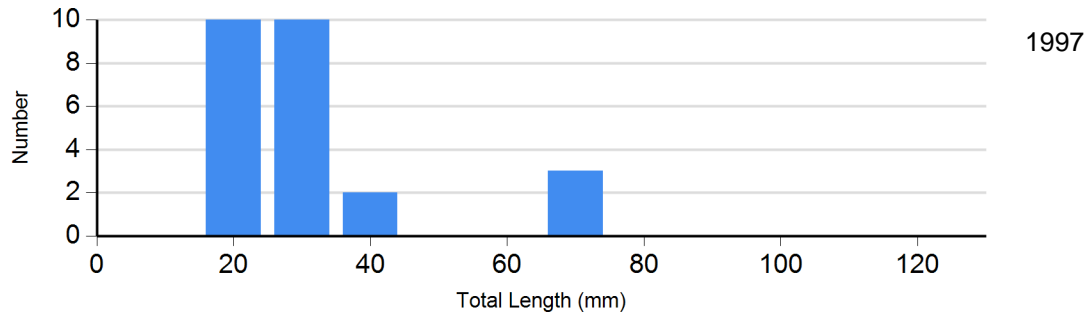


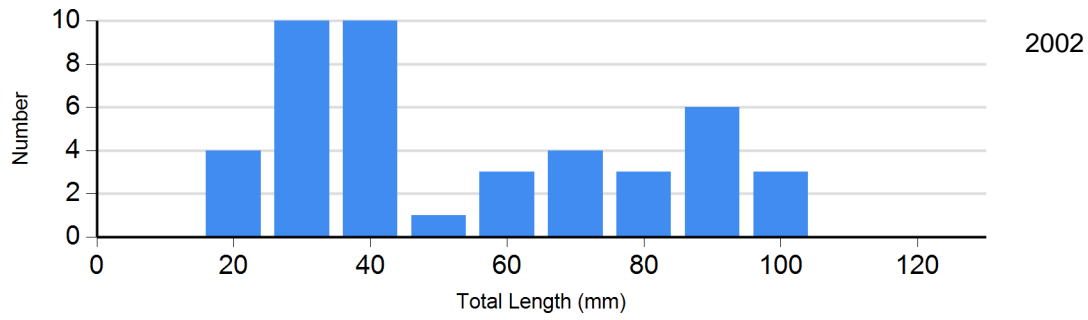
Site: 976
Species: Brook Trout



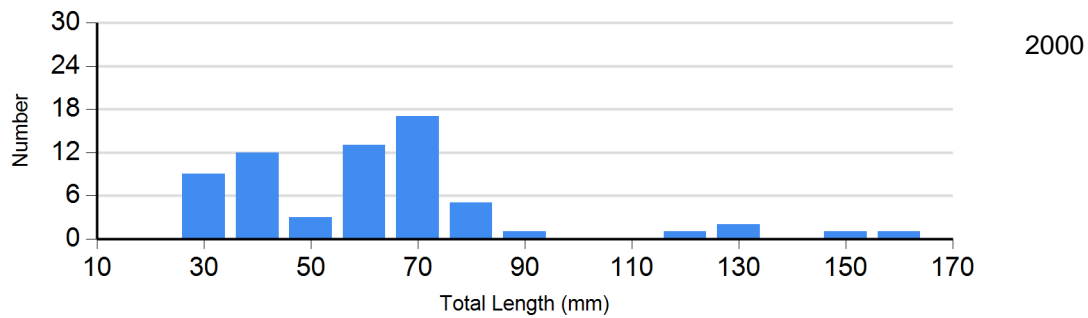
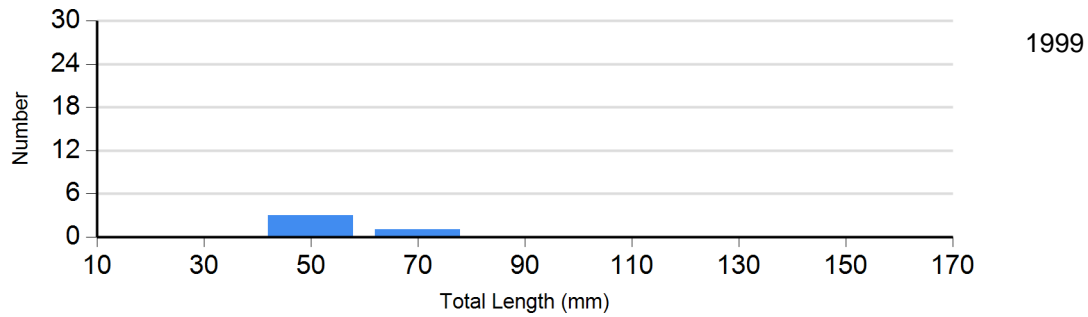
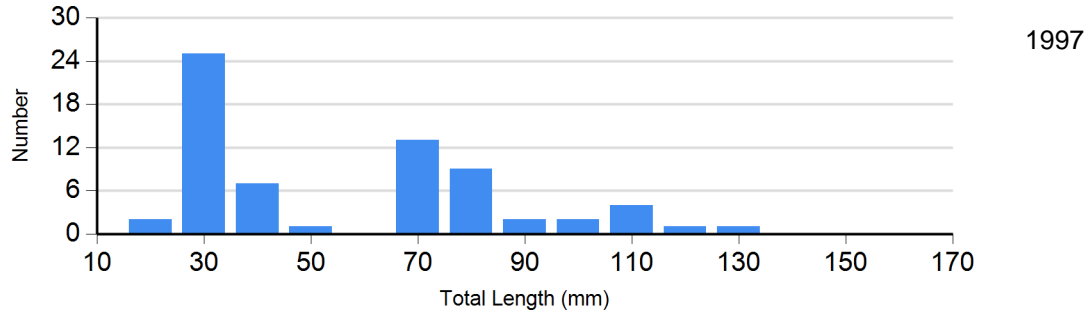


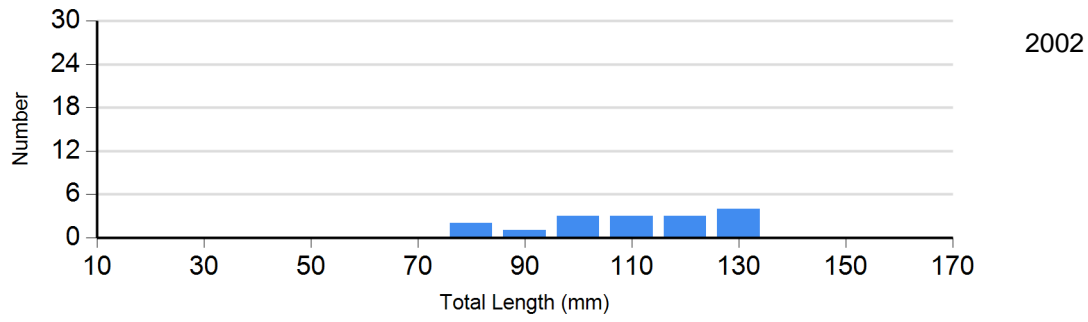
Site: 976
Species: Longnose Dace



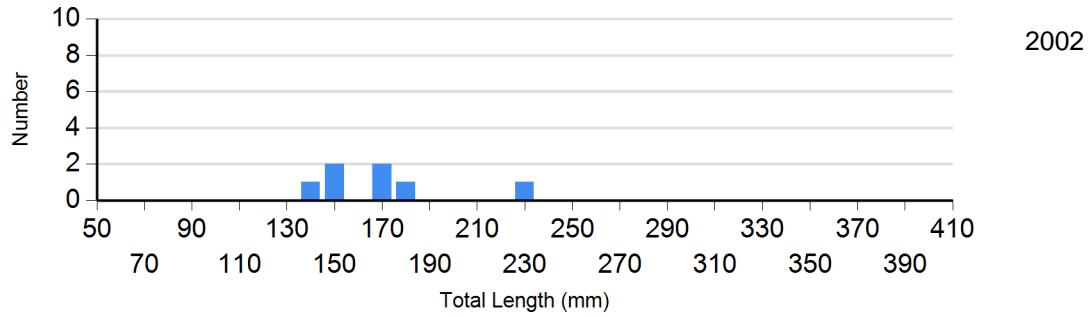
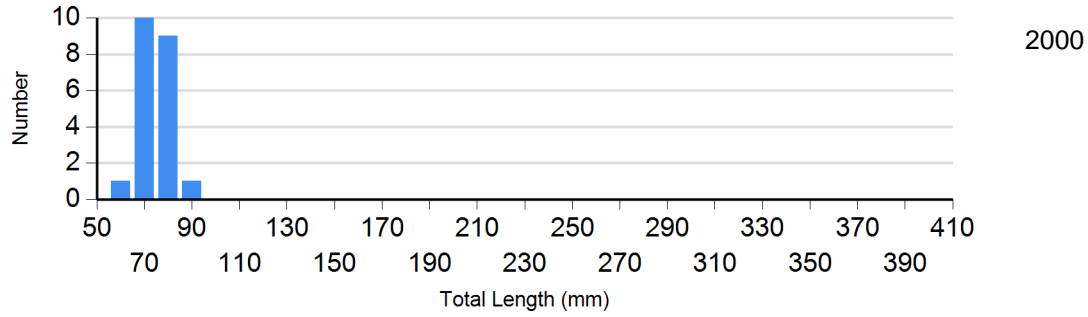


Site: 976
Species: Mountain Sucker

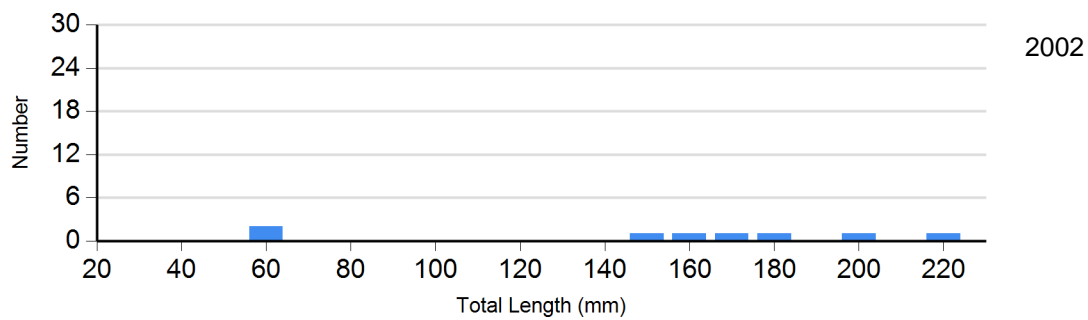
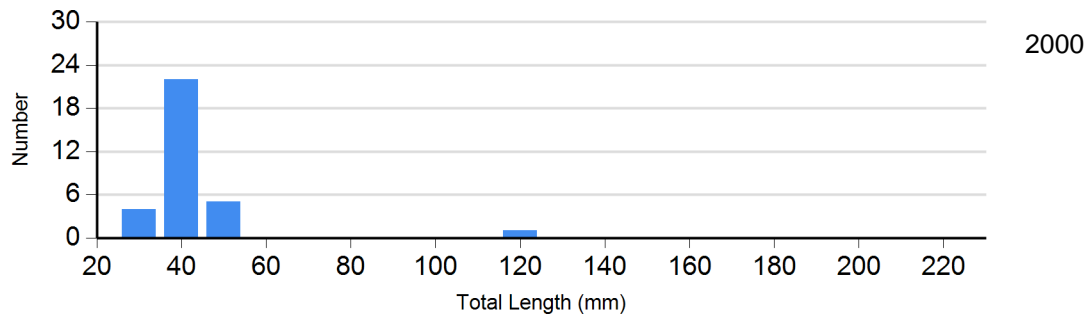
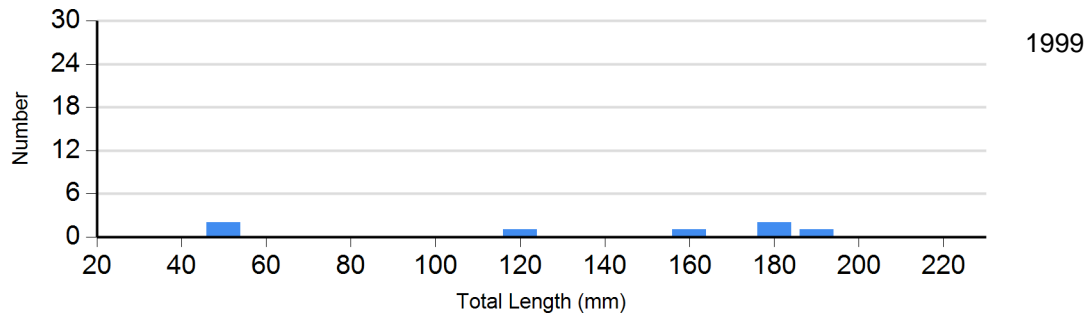
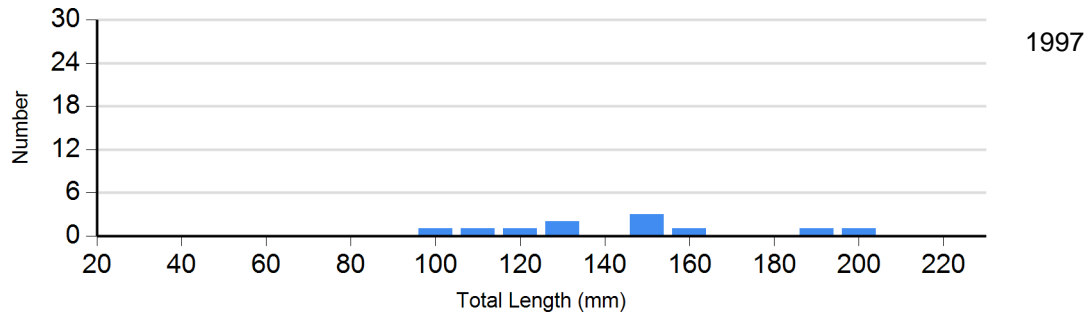




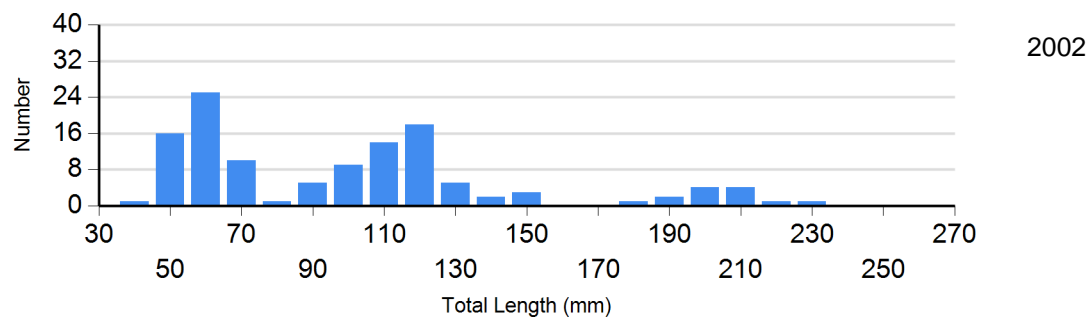
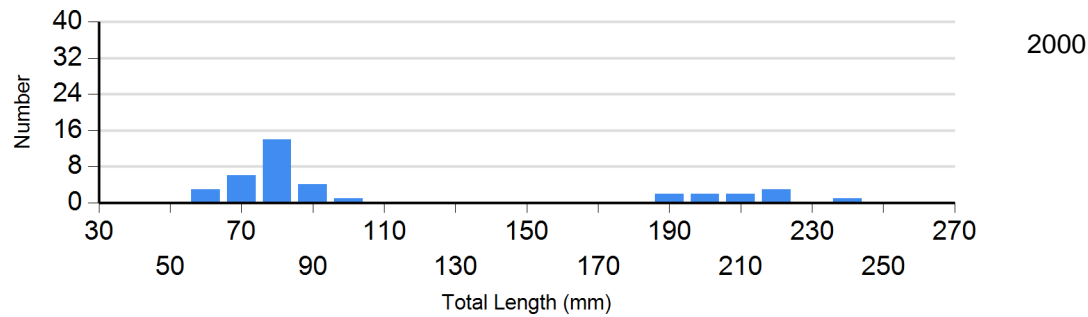
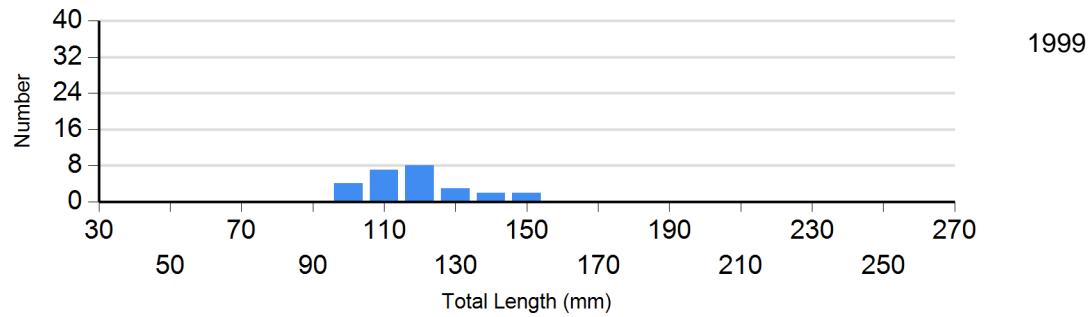
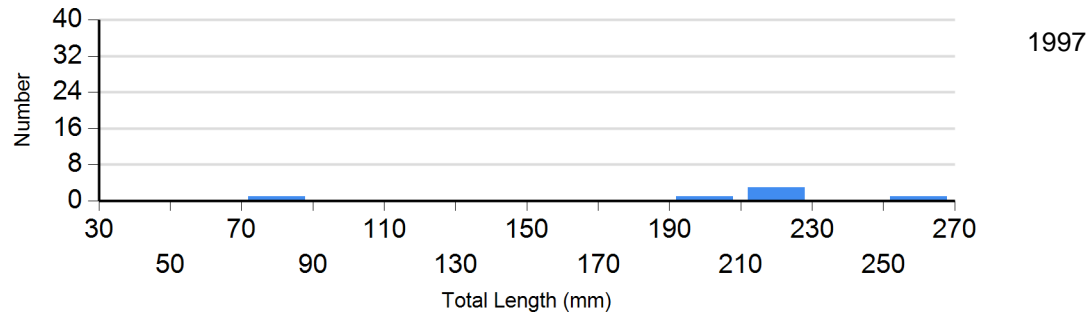
Site: 976
Species: Rainbow Trout



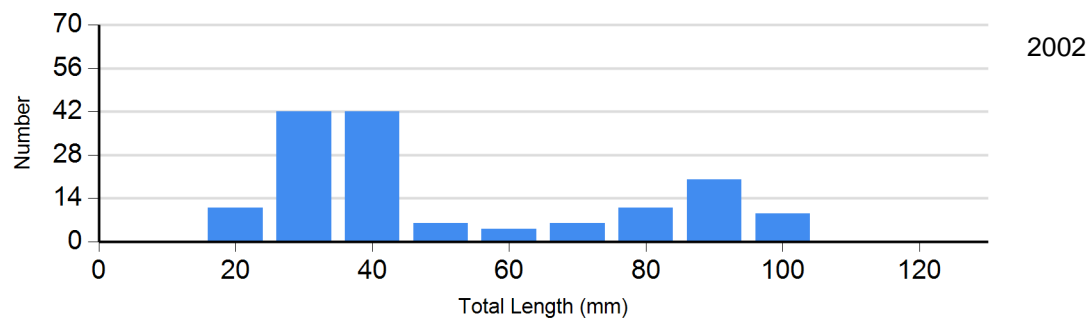
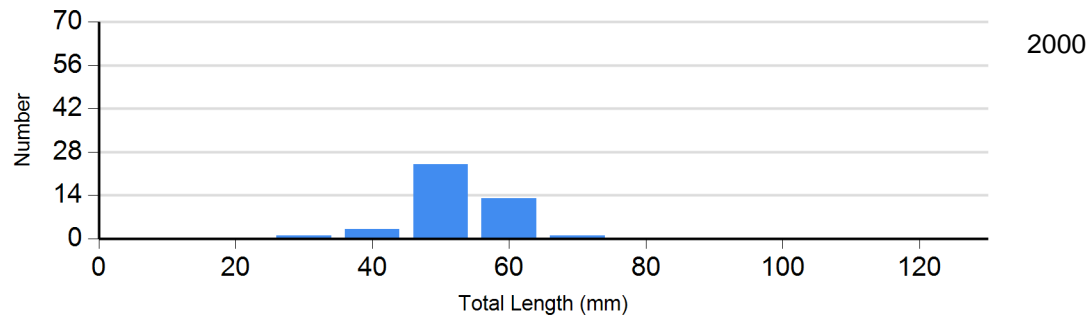
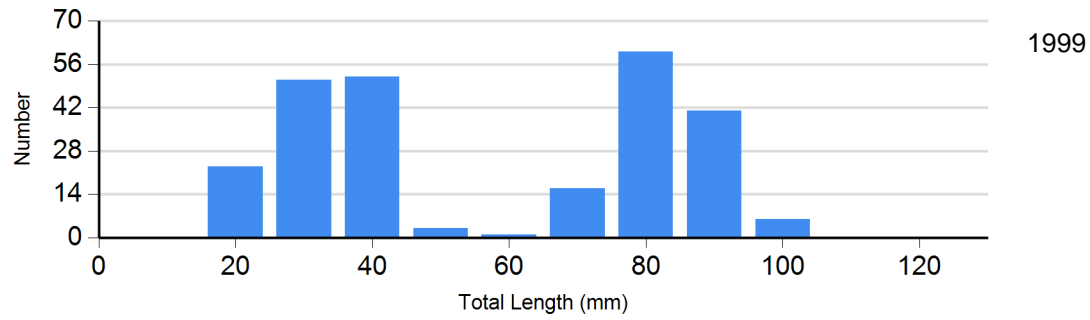
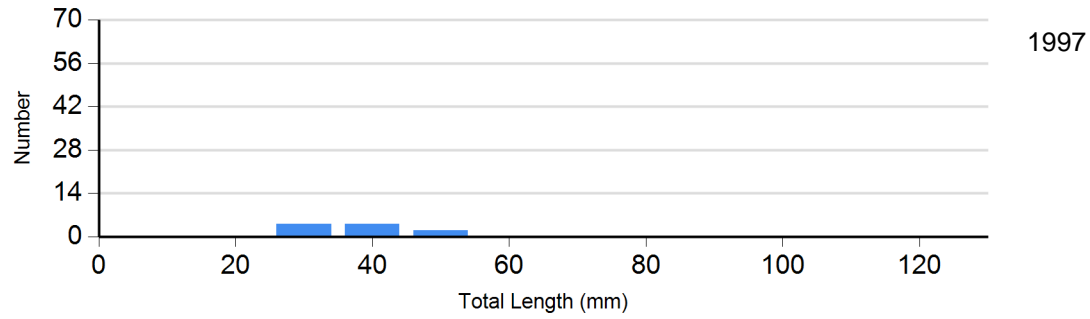
Site: 976
Species: White Sucker



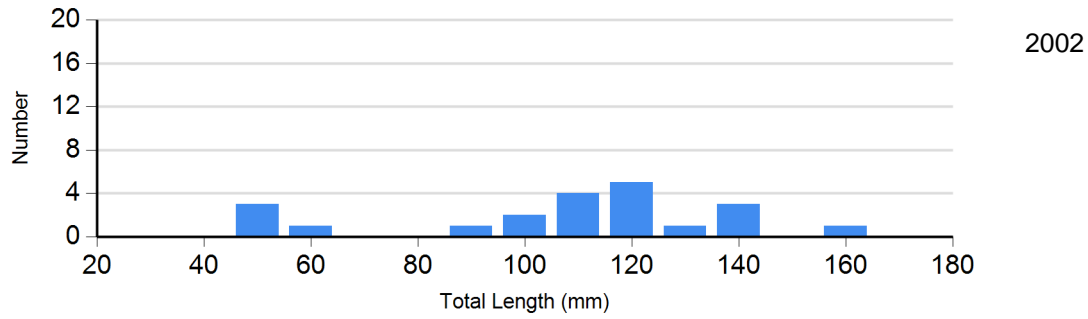
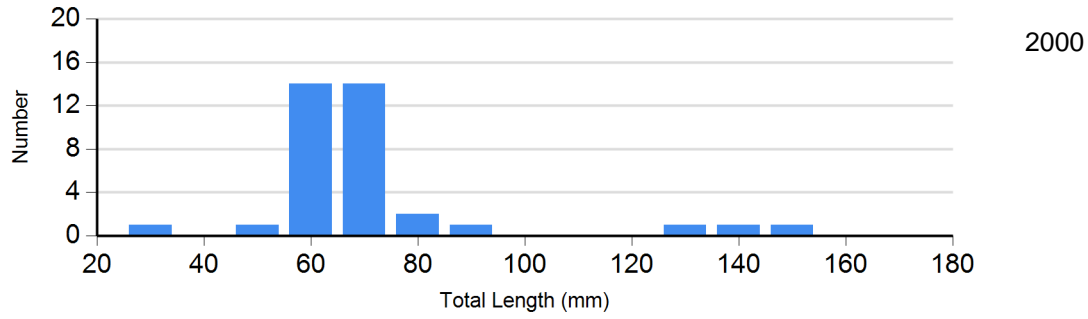
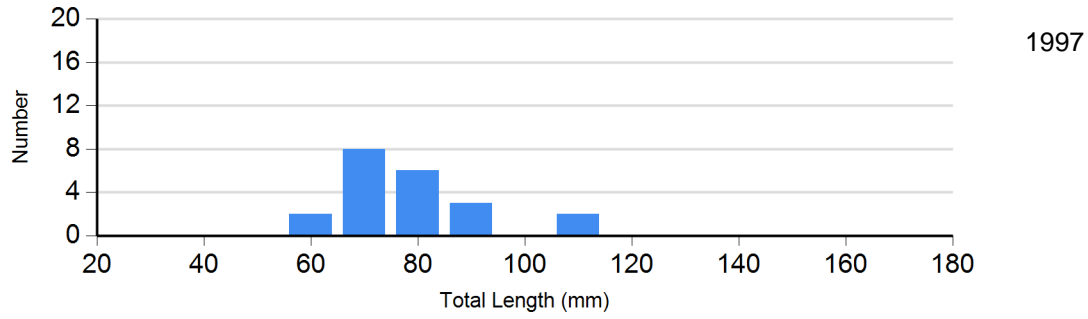
Site: 977
Species: Brook Trout



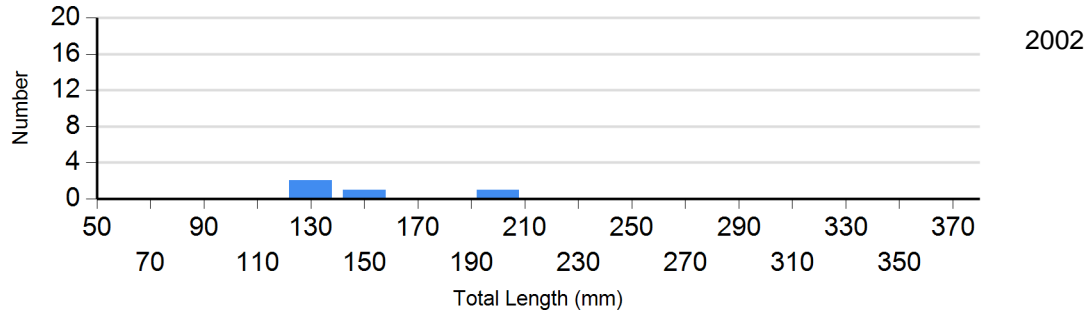
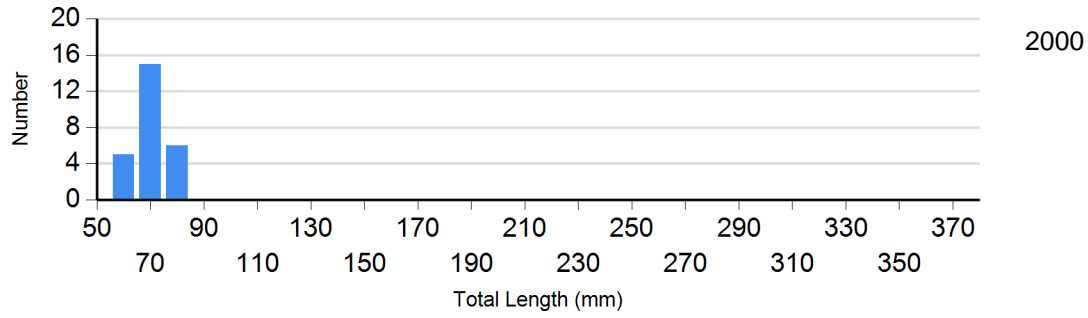
Site: 977
Species: Longnose Dace



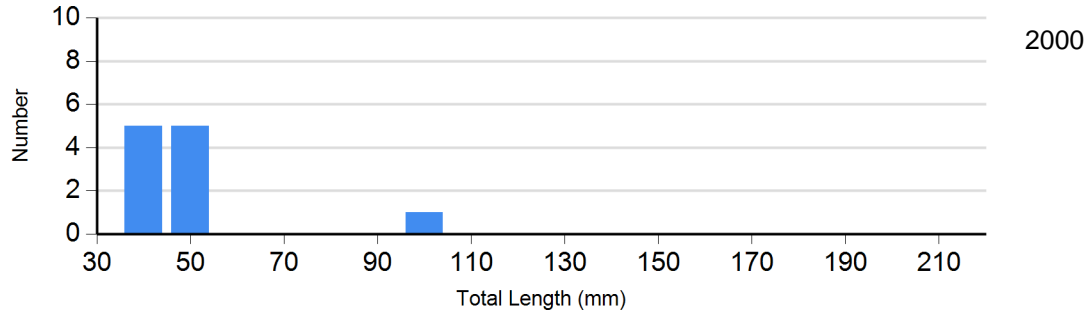
Site: 977
Species: Mountain Sucker

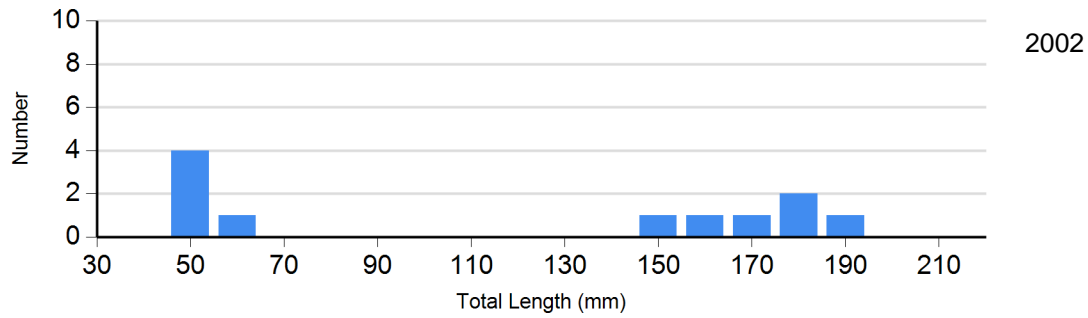


Site: 977
Species: Rainbow Trout

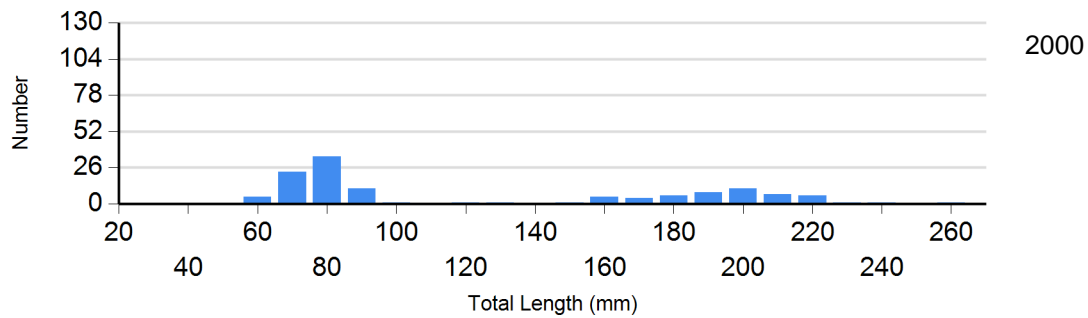
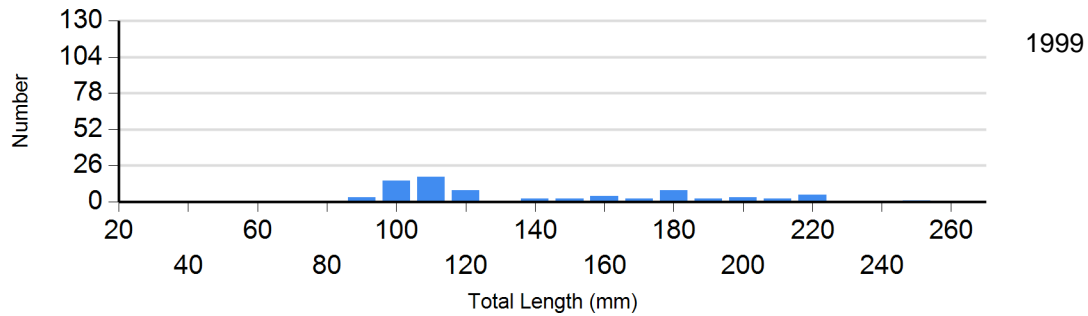
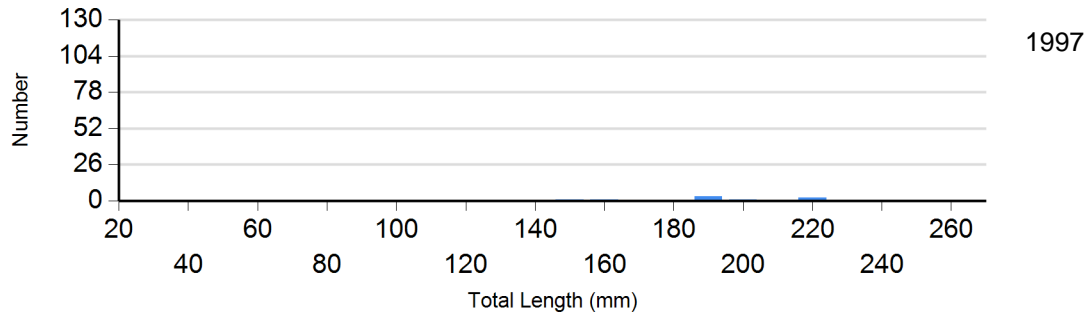


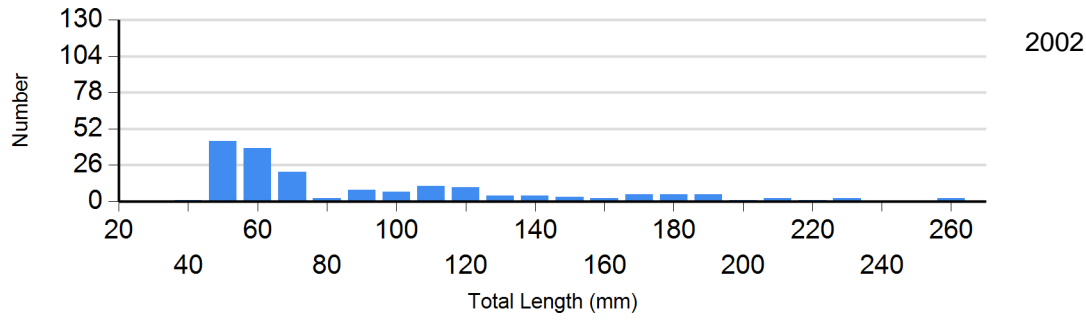
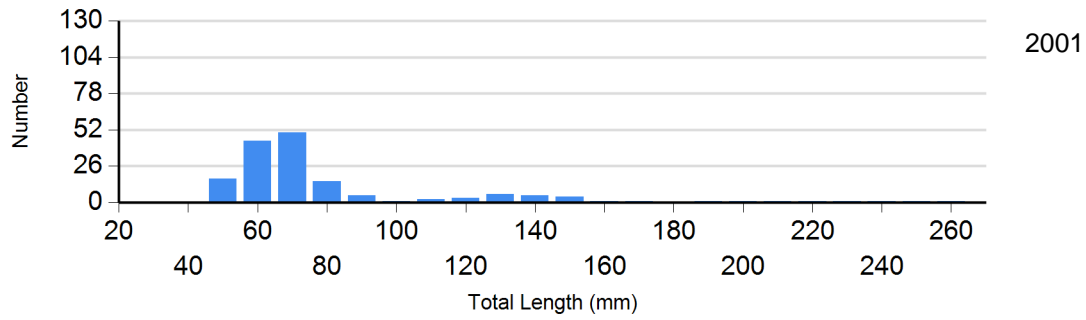
Site: 977
Species: White Sucker



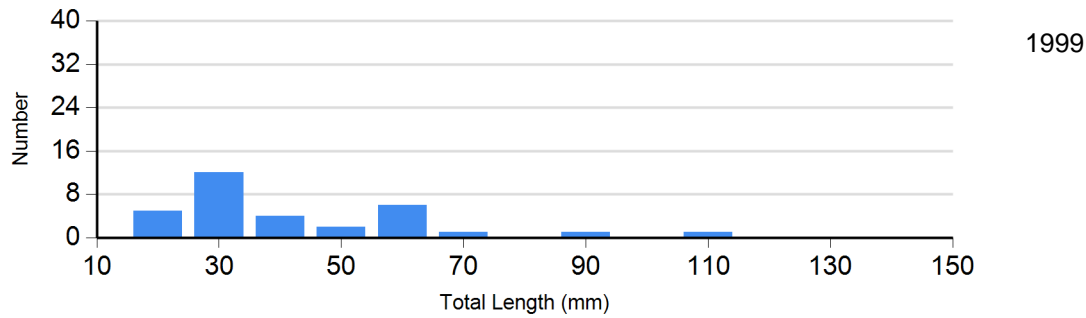
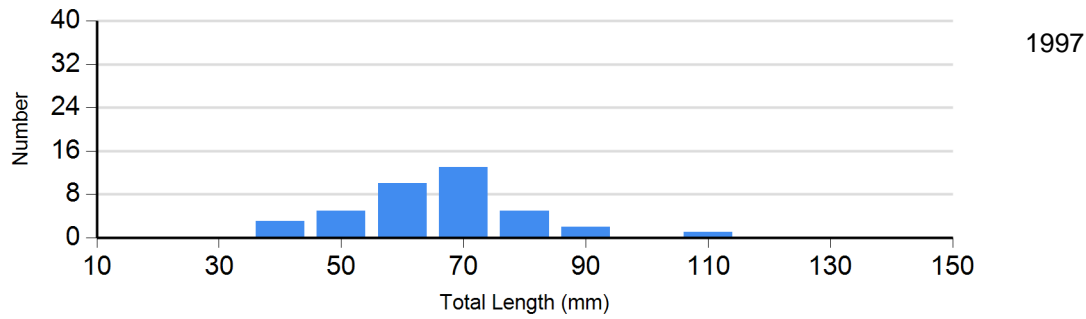


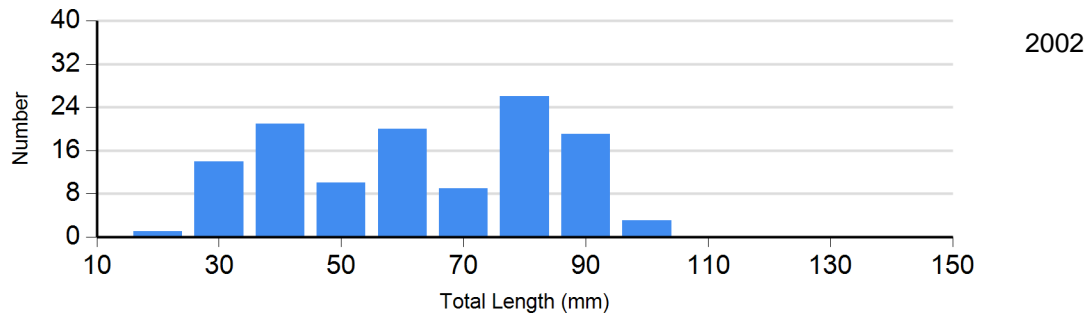
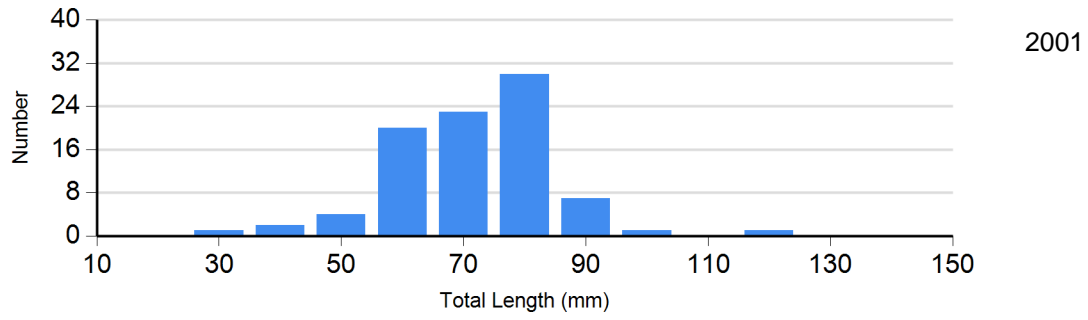
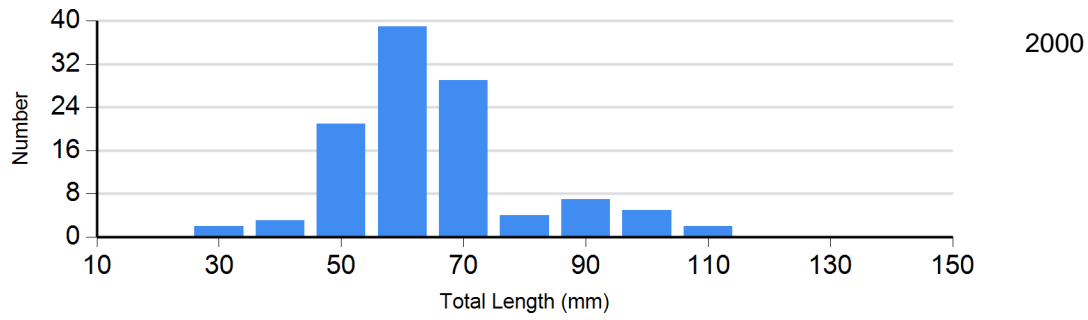
Site: 985
Species: Brook Trout



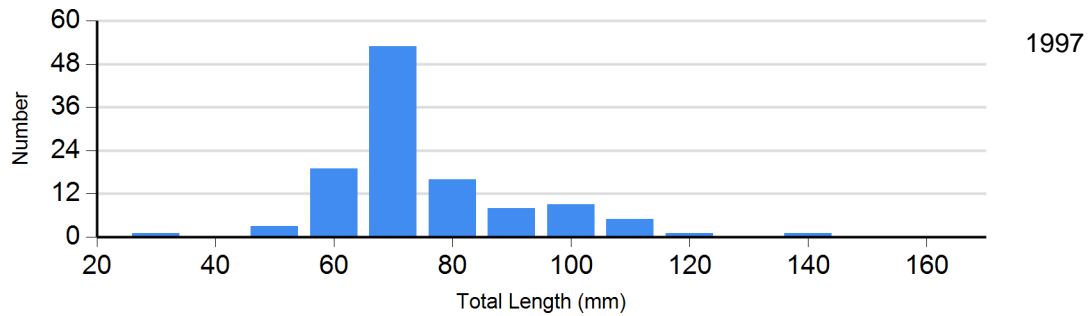


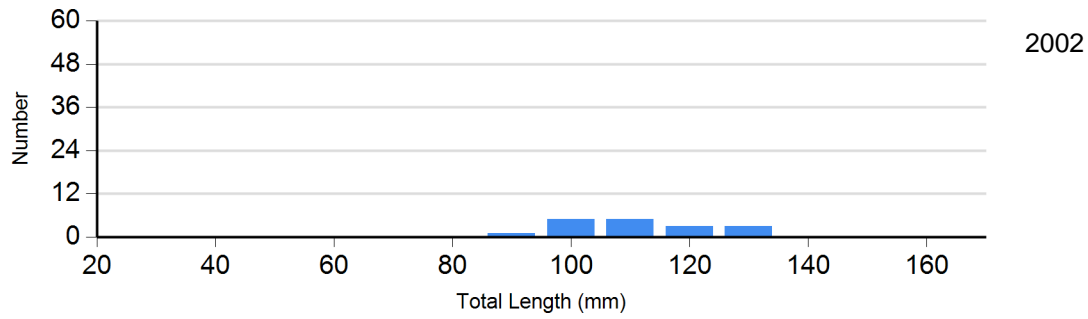
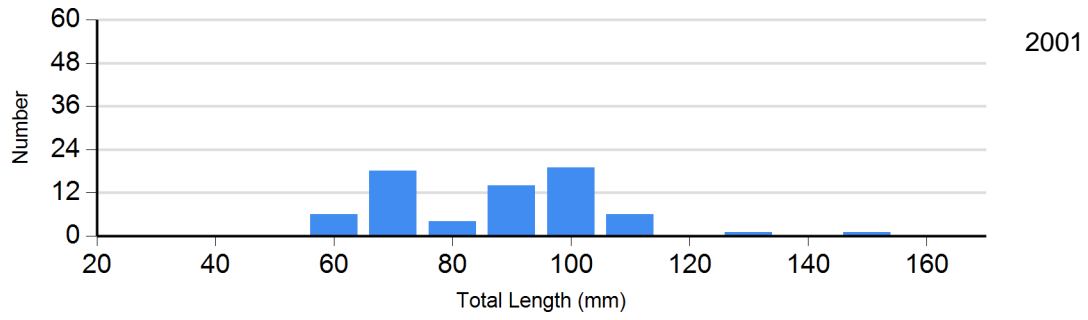
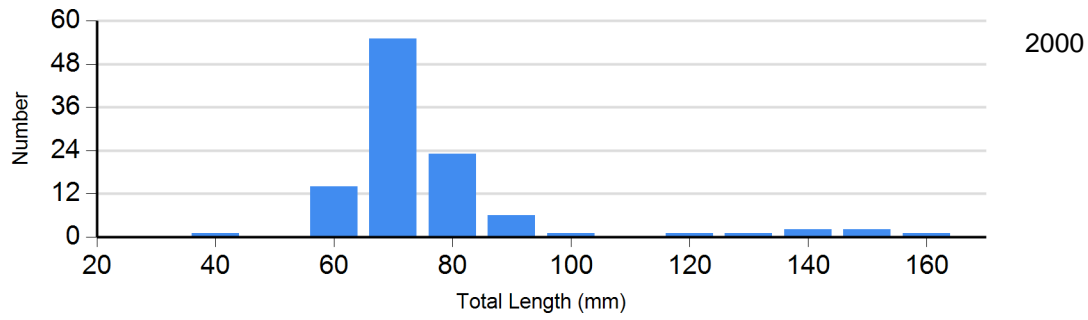
Site: 985
Species: Longnose Dace



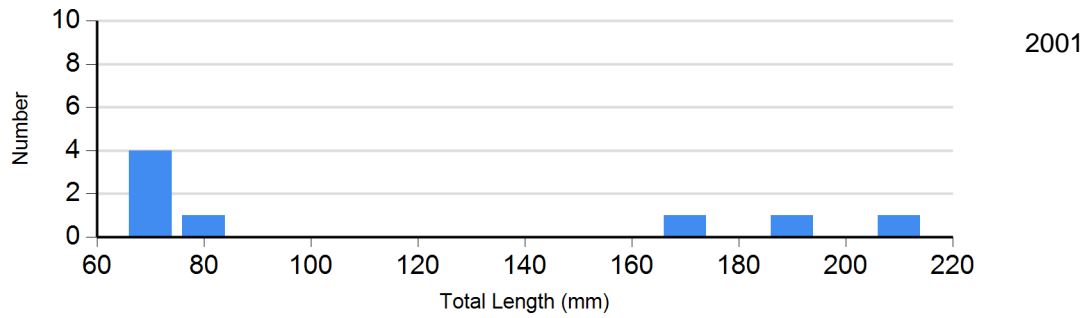


Site: 985
Species: Mountain Sucker

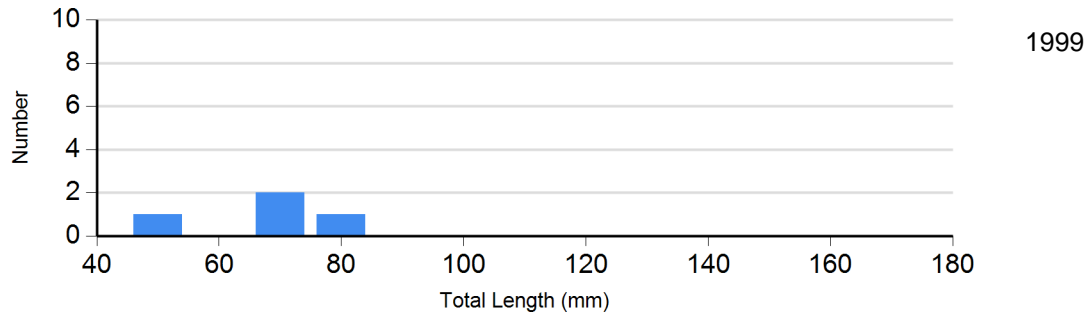
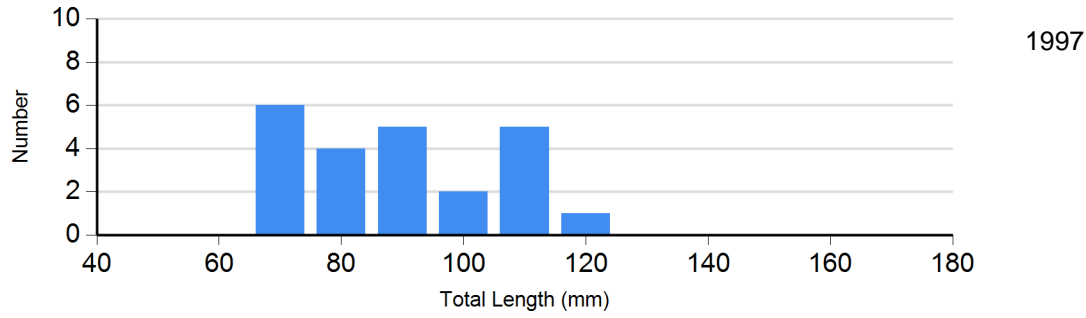




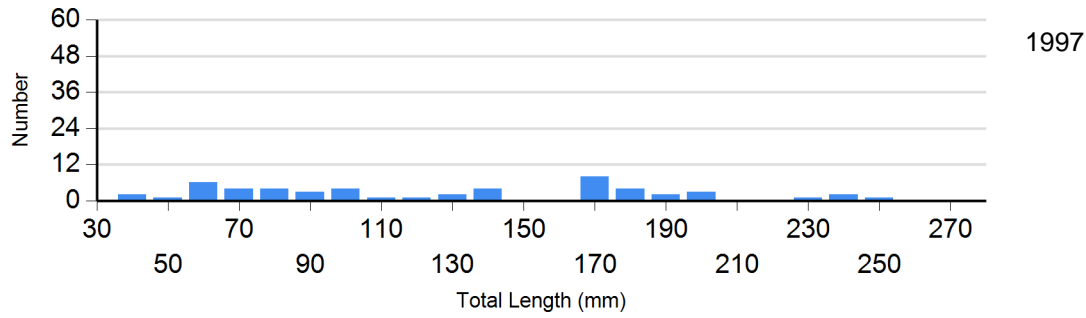
Site: 985
Species: Rainbow Trout

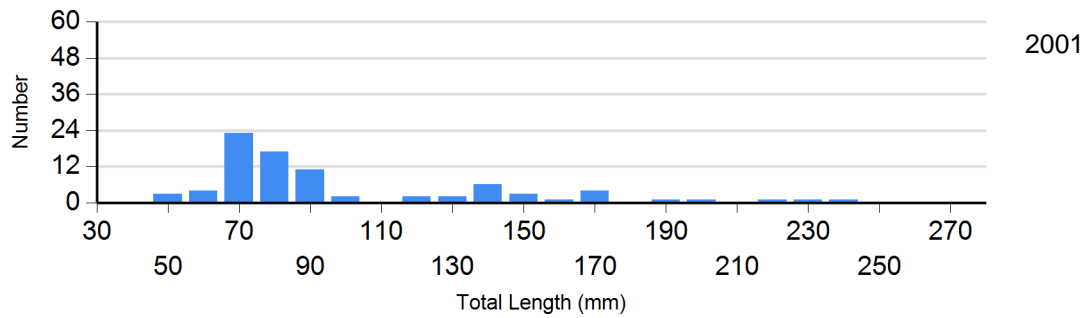
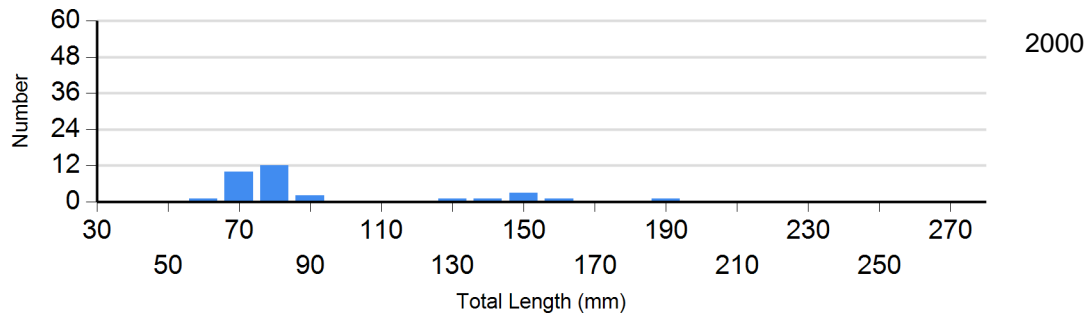
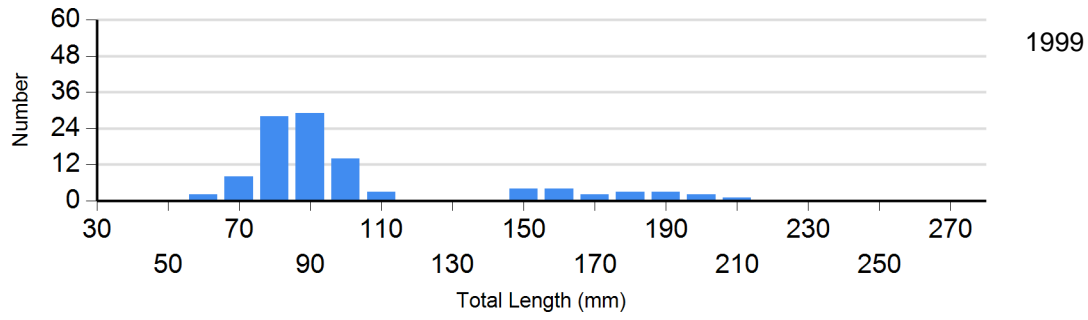
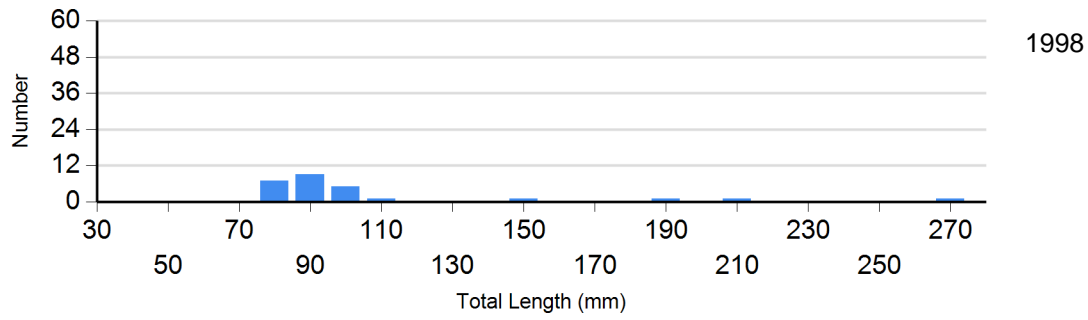


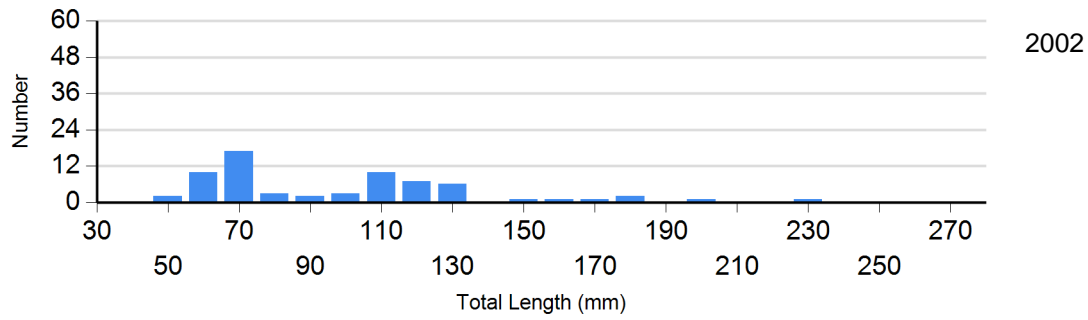
Site: 985
Species: White Sucker



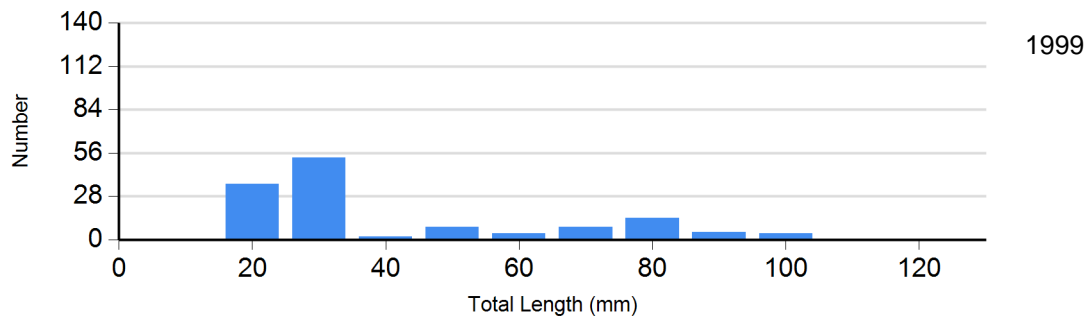
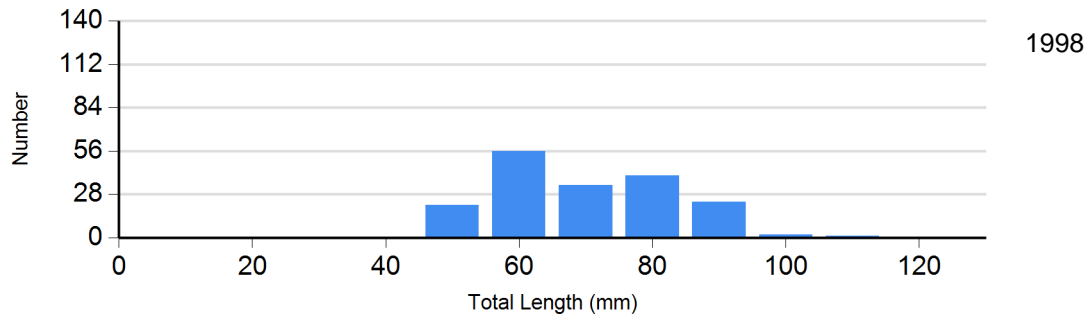
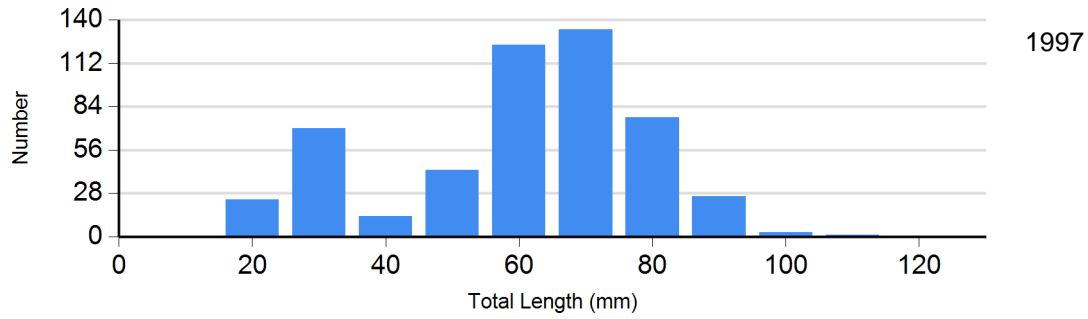
Site: 988
Species: Brook Trout

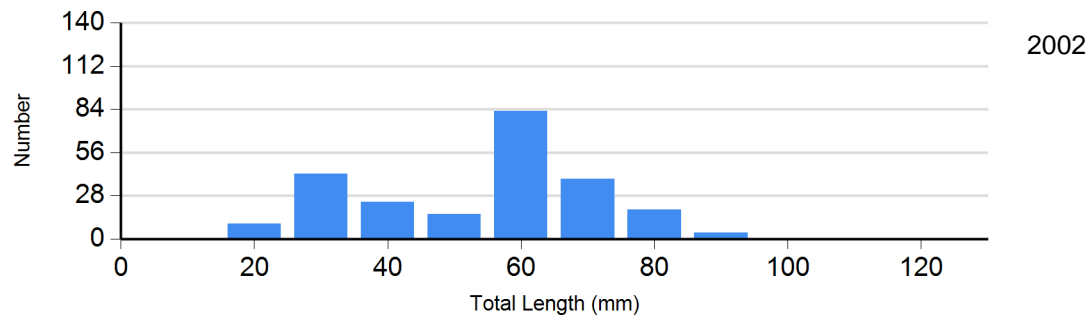
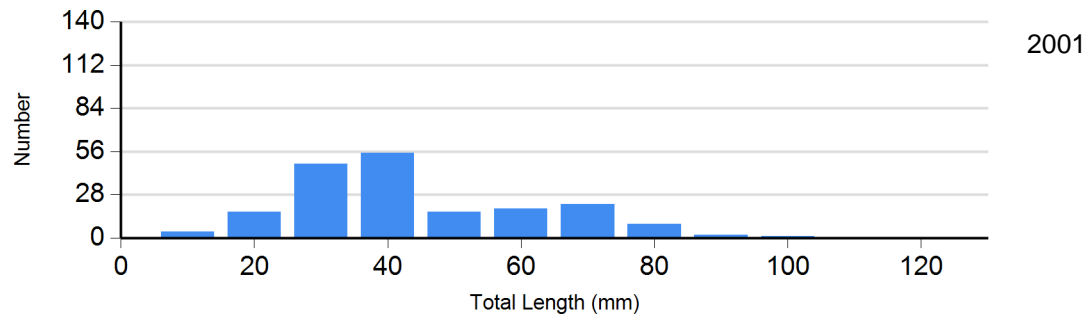
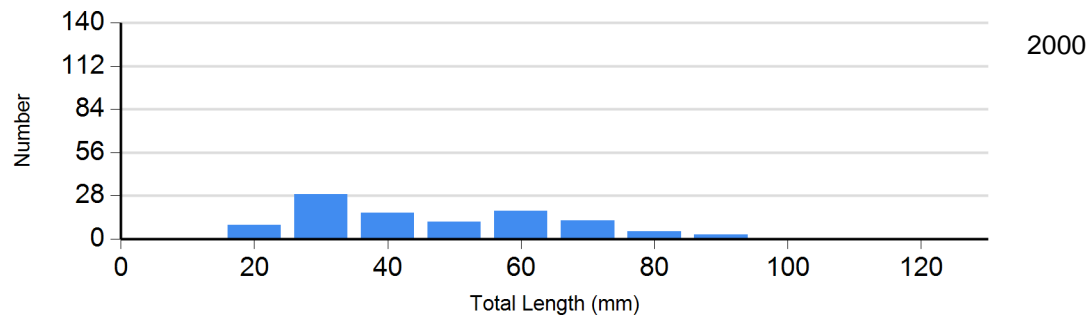




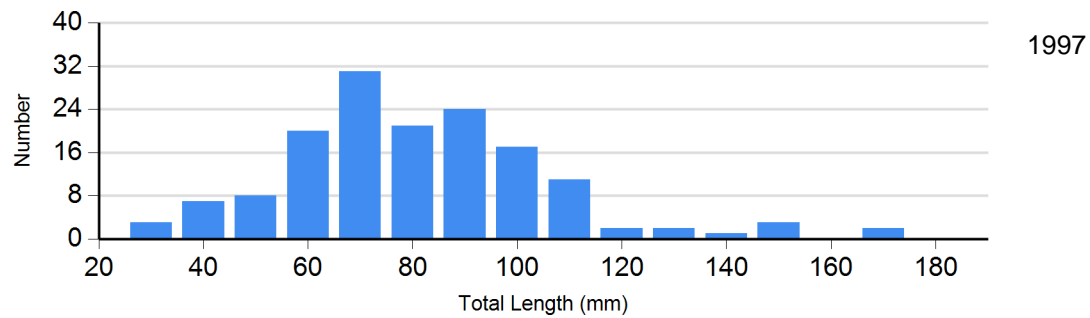


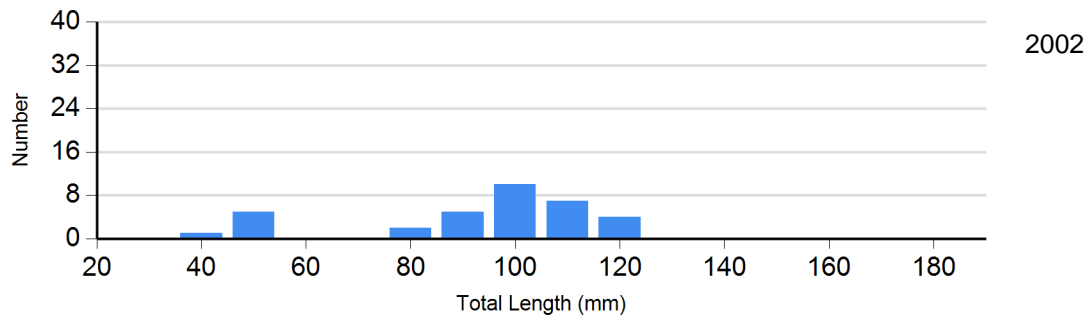
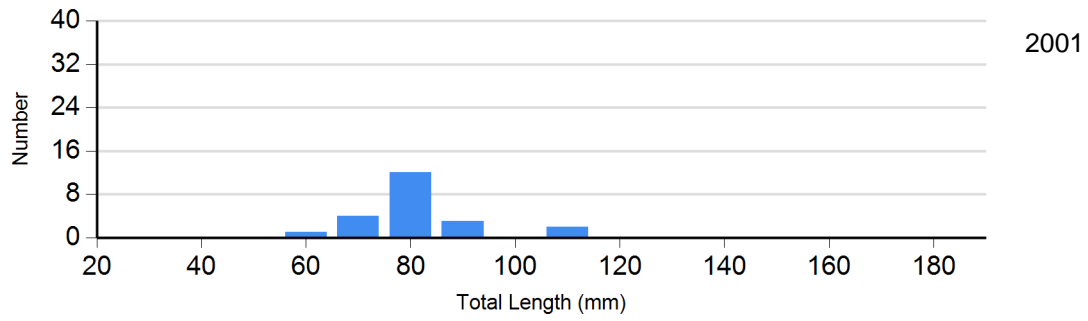
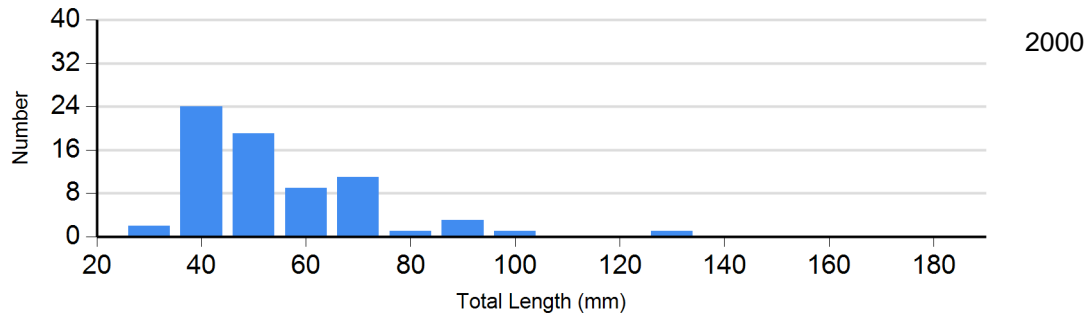
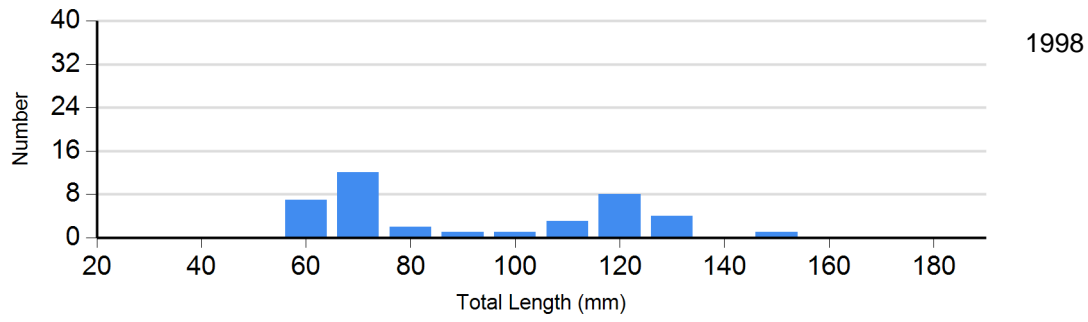
Site: 988
Species: Longnose Dace





Site: 988
Species: Mountain Sucker





Site: 988
Species: White Sucker

