

SOUTH DAKOTA BLACK HILLS COLD STREAM SURVEY
Rapid Creek, Pennington County
02-0062-00
2002

Table 1. Population and Biomass Estimates for Rapid Creek

Site Number: 1363	Date Sampled: 10/16/2002	Conductivity (umhos/cm): 419
Site Midpoint (Latitude, Longitude): 44.07961205, -103.20426495	Site Length (m): 100	pH: 8.4
Survey Completed by: South Dakota Game, Fish and Parks	Mean Width (m): 11.8	Water Temperature (C): 9.1
Stream Classification: BR2	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)
Brown Trout	<200mm	109	120	132	109	1019	15	1200	413	13.52	1931	109.9	14.9
Brown Trout	>=200mm	32	33	36	32	280	52	330	113	46.70	531	260.5	186.7
Brown Trout	All	141	153	165	141	1299	70	1530	526	62.46	2462	144.1	53.9
Longnose Dace	All	4	4	5	4	34	0	40	14	0.15	64	67.5	5.0
Rock Bass	All	6	6	8	6	51	2	60	21	1.91	97	119.0	42.0
White Sucker	All	47	48	51	47	407	78	480	165	69.80	772	162.7	191.9

Site Number: 1383	Date Sampled: 10/16/2002	Conductivity (umhos/cm): 410
Site Midpoint (Latitude, Longitude): 44.08487597, -103.22694435	Site Length (m): 100	pH: 8.4
Survey Completed by: South Dakota Game, Fish and Parks	Mean Width (m): 11.2	Water Temperature (C): 8.3
Stream Classification: BR1, 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)
Brown Trout	<200mm	84	119	161	84	1060	16	1190	429	14.57	1915	109.4	15.4
Brown Trout	>=200mm	66	66	67	66	588	110	660	238	97.83	1062	261.3	186.4

Brown Trout	All	150	162	174	150	1443	130	1620	584	115.93	2607	176.2	90.0
Green Sunfish	All	1	1	3	1	9	0	10	4	0.06	16	71.0	7.0
Hatchery Rainbow Trout	>=200mm	1	1	1	1	9	5	10	4	4.04	16	366.0	508.0
Hatchery Rainbow Trout	All	1	1	1	1	9	5	10	4	4.04	16	366.0	508.0
Largemouth Bass	All	5	5	6	5	45	1	50	18	0.51	80	92.6	12.8
Longnose Dace	All	8	9	15	8	80	0	90	32	0.14	145	52.5	2.0
Rainbow Trout	>=200mm	2	2	2	2	18	8	20	7	7.24	32	330.0	455.0
Rainbow Trout	All	2	2	2	2	18	8	20	7	7.24	32	330.0	455.0
Rock Bass	All	1	1	5	1	9	0	10	4	0.31	16	126.0	39.0
White Sucker	All	20	29	53	20	258	29	290	105	25.66	467	143.0	111.3

Site Number: 1393

Site Midpoint (Latitude, Longitude): 44.08551436, -103.23872222

Survey Completed by: South Dakota Game, Fish and Parks

Stream Classification: BR1

Date Sampled: 10/15/2002

Site Length (m): 100

Mean Width (m): 8.6

Number of Pass: 4

Conductivity

(umhos/cm):

pH:

Water Temperature (C):

Voltage:

430

8.3

10.5

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	117	127	138	117	1475	30	1270	597	26.97	2043	115.2	20.5
Brown Trout	>=200mm	131	132	134	131	1533	288	1320	621	256.91	2124	261.2	187.7
Brown Trout	All	249	256	263	249	2974	324	2560	1204	288.91	4119	192.3	108.8
Longnose Dace	All	6	6	8	6	70	0	60	28	0.12	97	52.5	2.0
Rock Bass	All	5	5	7	5	58	5	50	24	4.32	80	152.8	83.4
White Sucker	All	71	73	77	71	848	197	730	343	176.31	1175	226.1	232.9

Site Number: 1412

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

Survey Completed by: South Dakota Game, Fish and Parks

Stream Classification: BR1

Date Sampled: 10/10/2002

Site Length (m): 100

Mean Width (m): 9.3

Number of Pass: 4

Conductivity (umhos/cm): 385

pH: 8.7

Water Temperature (C): 13.2

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	289	306	319	293	3303	54	3060	1338	47.99	4924	105.5	16.3
Brown Trout	>=200mm	139	140	143	139	1511	274	1400	612	244.42	2253	259.1	181.1
Brown Trout	All	428	445	456	434	4804	336	4450	1946	299.95	7160	155.4	69.9
Longnose Dace	All	9	9	11	9	97	0	90	39	0.39	145	75.9	4.5
Rock Bass	All	15	15	17	15	162	8	150	66	7.05	241	112.7	48.7
White Sucker	All	68	69	72	68	745	290	690	302	259.07	1110	237.8	389.6

Site Number: 1418

Site Midpoint (Latitude, Longitude): 44.07495337, -103.25792832

Survey Completed by: South Dakota Game, Fish and Parks

Stream Classification: BR1

Date Sampled: 10/17/2002

Site Length (m): 100

Mean Width (m): 10.9

Number of Pass: 4

Conductivity (umhos/cm): 322

pH: 8.2

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	250	263	274	252	2419	46	2630	980	40.99	4232	108.7	19.0
Brown Trout	>=200mm	187	187	188	187	1720	336	1870	697	299.68	3009	265.2	195.1
Brown Trout	All	437	445	452	438	4093	386	4450	1658	344.85	7160	175.6	94.4
Longnose Dace	All	1	1	2	1	9	0	10	4	0.02	16	75.0	3.0
Northern Pike	All	1	1	1	1	9	2	10	4	1.57	16	314.0	191.0
Rock Bass	All	2	2	2	2	18	1	20	7	0.99	32	123.0	60.5

White Sucker All 126 127 130 126 1168 405 1270 473 361.79 2043 254.8 346.9

Site Number: 1420
Site Midpoint (Latitude, Longitude): 44.07501237, -103.26040402
Survey Completed by: South Dakota Game, Fish and Parks
Stream Classification: BR1, RB0

Date Sampled: 10/09/2002
Site Length (m): 100
Mean Width (m): 8.6
Number of Pass: 4
Conductivity (umhos/cm): 378
pH: 8.4
Water Temperature (C): 13.5
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	296	327	347	307	3798	60	3270	1538	53.79	5261	105.3	15.9
Brown Trout	>=200mm	172	172	173	172	1998	394	1720	809	352.20	2767	267.8	197.4
Brown Trout	All	468	486	498	474	5645	466	4860	2286	416.51	7820	165.0	82.6
Hatchery Rainbow Trout	>=200mm	1	1	1	1	12	4	10	5	3.35	16	317.0	323.0
Hatchery Rainbow Trout	All	1	1	1	1	12	4	10	5	3.35	16	317.0	323.0
Longnose Dace	All	1	1	3	1	12	0	10	5	0.03	16	69.0	3.0
Rainbow Trout	<200mm	1	1	3	1	12	1	10	5	0.64	16	176.0	62.0
Rainbow Trout	All	1	1	3	1	12	1	10	5	0.64	16	176.0	62.0
Rock Bass	All	1	1	2	1	12	0	10	5	0.07	16	69.0	7.0
White Sucker	All	18	19	23	18	221	24	190	89	21.73	306	134.2	110.3

Site Number: 1434
Site Midpoint (Latitude, Longitude): 44.06752736, -103.27112322
Survey Completed by: South Dakota Game, Fish and Parks
Stream Classification: BR1

Date Sampled: 10/15/2002
Site Length (m): 100
Mean Width (m): 11.6
Number of Pass: 4
Conductivity (umhos/cm): 274
pH: 8.4
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)
Brown Trout	<200mm	96	103	112	96	885	21	1030	358	18.76	1657	110.4	23.7
Brown Trout	>=200mm	182	183	186	182	1573	324	1830	637	289.30	2944	269.8	206.0
Brown Trout	All	278	283	289	278	2432	348	2830	985	310.70	4553	214.7	143.1
Northern Pike	All	1	1	1	1	9	1	10	3	1.34	16	367.0	174.0
Rock Bass	All	7	7	7	7	60	6	70	24	5.72	113	158.4	106.4
White Sucker	All	27	27	29	27	232	39	270	94	34.73	434	196.6	167.6
Yellow Perch	All	1	1	3	1	9	0	10	3	0.32	16	146.0	42.0

Site Number: 1444

Site Midpoint (Latitude, Longitude): 44.06406624, -103.27603653

Survey Completed by: South Dakota Game, Fish and Parks

Stream Classification: BR1

Date Sampled: 10/07/2002

Site Length (m): 100

Mean Width (m): 11.1

Number of Pass: 5

Conductivity (umhos/cm): 280

pH: 8.4

Water Temperature (C): 11.3

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	351	370	383	357	3331	37	3700	1349	32.97	5953	95.2	11.1
Brown Trout	>=200mm	64	64	64	64	576	130	640	233	116.46	1030	283.0	226.4
Brown Trout	All	415	430	440	420	3871	172	4300	1568	153.63	6919	124.2	44.5
Longnose Dace	All	16	15	20	16	135	0	150	55	0.19	241	51.6	1.6
White Sucker	All	7	7	7	7	63	31	70	26	27.64	113	325.1	491.3

Site Number: 1449

Site Midpoint (Latitude, Longitude): 44.06128245, -103.28022267

Survey Completed by: South Dakota Game, Fish and Parks

Stream Classification: BR1

Date Sampled: 10/07/2002

Site Length (m): 100

Mean Width (m): 8.4

Number of Pass: 5

Conductivity (umhos/cm): 265

pH: 8.5

Water Temperature (C): 11.0

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	228	248	208	2717	33	2280	1100	29.07	3669	101.0	12.0
Brown Trout	>=200mm	75	77	81	75	918	256	770	372	228.98	1239	298.4	279.5
Brown Trout	All	277	302	319	285	3599	304	3020	1458	271.24	4859	154.4	84.4
Longnose Dace	All	1	1	1	1	12	0	10	5	0.03	16	69.0	3.0
White Sucker	All	44	44	45	44	524	370	440	212	329.98	708	379.4	704.8

Site Number: 1468

Site Midpoint (Latitude, Longitude): 44.05764432, -103.29966114

Survey Completed by: South Dakota Game, Fish and Parks

Stream Classification: BR2, RB1

Date Sampled: 10/08/2002

Site Length (m): 100

Mean Width (m): 7.5

Number of Pass: 4

Conductivity (umhos/cm): 270

pH: 8.5

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	305	380	425	335	5091	51	3800	2062	45.15	6114	92.3	9.9
Brown Trout	>=200mm	14	14	14	14	188	109	140	76	97.45	225	372.9	581.9
Brown Trout	All	319	383	420	346	5132	180	3830	2078	160.51	6162	104.6	35.0
Longnose Dace	All	20	22	28	20	295	1	220	119	1.21	354	78.3	4.6
Rainbow Trout	<200mm	2	2	2	2	27	0	20	11	0.31	32	107.5	13.0
Rainbow Trout	>=200mm	5	5	5	5	67	60	50	27	53.70	80	425.6	897.8
Rainbow Trout	All	7	7	7	7	94	60	70	38	54.01	113	334.7	645.0
White Sucker	All	4	4	4	4	54	26	40	22	22.96	64	363.3	479.8

Site Number: 1470

Site Midpoint (Latitude, Longitude): 44.05718748, -103.30174973

Survey Completed by: South Dakota Game, Fish and Parks

Date Sampled: 09/25/2002

Site Length (m): 100

Mean Width (m): 8.3

Conductivity (umhos/cm): 262

pH: 8.9

Stream Classification: BR3, RB0

Number of Pass: 5

Water Temperature (C): 10.0

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	251	304	338	270	3667	29	3040	1485	25.81	4891	86.3	7.9
Brown Trout	>=200mm	1	1	2	1	12	6	10	5	5.55	16	367.0	515.0
Brown Trout	All	252	306	341	271	3691	37	3060	1495	32.61	4924	87.4	9.9
Hatchery Rainbow Trout	>=200mm	7	7	8	7	84	80	70	34	71.76	113	433.9	951.9
Hatchery Rainbow Trout	All	7	7	8	7	84	80	70	34	71.76	113	433.9	951.9
Longnose Dace	All	10	10	12	10	121	0	100	49	0.40	161	63.7	3.7
Rainbow Trout	<200mm	3	3	3	3	36	0	30	15	0.41	48	104.3	12.7
Rainbow Trout	All	3	3	3	3	36	0	30	15	0.41	48	104.3	12.7
White Sucker	All	6	6	6	6	72	30	60	29	27.05	97	347.7	418.7

Site Number: 1475

Date Sampled: 09/24/2002

Conductivity (umhos/cm): 269

Site Midpoint (Latitude, Longitude): 44.05381240, -103.30465286

Site Length (m): 100

pH: 8.6

Survey Completed by: South Dakota Game, Fish and Parks

Mean Width (m): 13.0

Water Temperature (C): 10.1

Stream Classification: BR3, 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)
Brown Trout	<200mm	403	403	403	403	3096	30	4030	1254	27.04	6484	93.8	9.8
Brown Trout	>=200mm	6	6	6	6	46	12	60	19	10.95	97	282.3	266.2
Brown Trout	All	409	409	409	409	3142	43	4090	1272	38.01	6581	96.5	13.6
Hatchery Rainbow Trout	>=200mm	2	2	2	2	15	7	20	6	5.91	32	318.0	430.5
Hatchery Rainbow Trout	All	2	2	2	2	15	7	20	6	5.91	32	318.0	430.5

Longnose Dace	All	11	11	11	11	84	0	110	34	0.29	177	69.3	3.9
Rainbow Trout	<200mm	9	9	9	9	69	1	90	28	0.77	145	102.6	12.4
Rainbow Trout	All	9	9	9	9	69	1	90	28	0.77	145	102.6	12.4
White Sucker	All	1	1	1	1	8	0	10	3	0.05	16	88.0	7.0

Site Number: 1476
Site Midpoint (Latitude, Longitude): 44.05345478, -103.30577465
Survey Completed by: South Dakota Game, Fish and Parks
Stream Classification: BR3, RB0

Date Sampled: 09/24/2002
Site Length (m): 100
Mean Width (m): 11.5
Number of Pass: 4
Conductivity (umhos/cm): 290
pH: 8.8
Water Temperature (C): 12.0
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	499	536	556	516	4668	43	5360	1891	38.71	8624	92.0	9.3
Brown Trout	>=200mm	5	5	5	5	44	9	50	18	7.93	80	250.4	204.0
Brown Trout	All	504	541	560	522	4712	53	5410	1908	47.20	8705	93.5	11.2
Longnose Dace	All	13	13	15	13	113	0	130	46	0.31	209	68.6	3.1
Rainbow Trout	<200mm	44	44	46	44	383	4	440	155	3.59	708	95.3	10.5
Rainbow Trout	All	44	44	46	44	383	4	440	155	3.59	708	95.3	10.5

Site Number: 1483
Site Midpoint (Latitude, Longitude): 44.05216048, -103.31387353
Survey Completed by: South Dakota Game, Fish and Parks
Stream Classification: BR2

Date Sampled: 09/30/2002
Site Length (m): 100
Mean Width (m): 10.8
Number of Pass: 4
Conductivity (umhos/cm): 288
pH: 8.7
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	387	449	482	416	4147	45	4490	1680	40.50	7224	97.9	10.9

Brown Trout	>=200mm	11	11	11	11	102	23	110	41	20.22	177	272.5	222.9
Brown Trout	All	398	457	488	426	4221	71	4570	1709	63.36	7353	102.7	16.8
Hatchery Rainbow Trout	>=200mm	1	1	1	1	9	7	10	4	5.81	16	408.0	705.0
Hatchery Rainbow Trout	All	1	1	1	1	9	7	10	4	5.81	16	408.0	705.0
White Sucker	All	3	3	3	3	28	7	30	11	6.28	48	242.7	253.7

Site Number: 1484

Site Midpoint (Latitude, Longitude): 44.05129956, -103.31372445

Survey Completed by: South Dakota Game, Fish and Parks

Stream Classification: BR3

Date Sampled: 10/09/2002

Site Length (m): 100

Mean Width (m): 8.2

Number of Pass: 4

Conductivity (umhos/cm): 284

pH: 8.7

Water Temperature (C): 13.2

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	506	564	592	536	6870	69	5640	2783	61.51	9075	95.4	10.0
Brown Trout	>=200mm	3	3	3	3	37	5	30	15	4.87	48	249.0	149.3
Brown Trout	All	509	567	595	539	6907	75	5670	2797	66.93	9123	96.3	10.9
Mountain Sucker	All	1	1	2	1	12	0	10	5	0.15	16	120.0	14.0

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: 10/25/2002

Site Length (m): 100

Mean Width (m): 7.9

Number of Pass: 3

Conductivity (umhos/cm): 235

pH: 8.4

Water Temperature (C): 1.5

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	126	152	177	127	1933	26	1520	783	22.97	2446	99.2	13.3
Brown Trout	>=200mm	30	30	30	30	382	62	300	155	55.33	483	253.4	162.4

Brown Trout All 156 172 187 157 2187 92 1720 886 82.00 2767 128.8 42.0

Site Number: 1833
Site Midpoint (Latitude, Longitude): 44.07611720, -103.47551527
Survey Completed by: South Dakota Game, Fish and Parks
Stream Classification: BK0, BR1, RB2

Date Sampled: 10/28/2002
Site Length (m): 100
Mean Width (m): 9.4
Number of Pass: 3
Conductivity (umhos/cm): 252
pH: 8.5
Water Temperature (C): 7.0
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)
Brook Trout	<200mm	2	2	4	2	21	0	20	9	0.11	32	85.5	6.0
Brook Trout	All	2	2	4	2	21	0	20	9	0.11	32	85.5	6.0
Brown Trout	<200mm	71	84	101	71	896	19	840	363	16.90	1352	107.1	21.1
Brown Trout	>=200mm	36	37	40	36	395	118	370	160	105.64	595	305.3	299.7
Brown Trout	All	107	119	132	107	1270	153	1190	514	136.52	1915	173.7	120.4
Rainbow Trout	<200mm	2	2	3	2	21	1	20	9	0.68	32	145.5	35.5
Rainbow Trout	>=200mm	1	1	5	1	11	6	10	4	5.22	16	412.0	548.0
Rainbow Trout	All	3	3	5	3	32	7	30	13	5.90	48	234.3	206.3

Site Number: 1843
Site Midpoint (Latitude, Longitude): 44.07203156, -103.47488319
Survey Completed by: South Dakota Game, Fish and Parks
Stream Classification: BK0, BR1

Date Sampled: 10/25/2002
Site Length (m): 100
Mean Width (m): 6.8
Number of Pass: 5
Conductivity (umhos/cm): 250
pH: 8.5
Water Temperature (C): 6.0
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)
Brook Trout	<200mm	6	6	6	6	88	1	60	35	0.65	97	86.7	8.3
Brook Trout	All	6	6	6	6	88	1	60	35	0.65	97	86.7	8.3
Brown Trout	<200mm	25	31	44	25	453	6	310	183	5.55	499	103.5	13.7

Brown Trout	>=200mm	38	38	39	38	555	160	380	225	143.25	611	299.9	289.0
Brown Trout	All	63	65	69	63	950	171	650	385	152.42	1046	222.0	179.8

Site Number: 1853
Site Midpoint (Latitude, Longitude): 44.07655505, -103.48401117
Survey Completed by: South Dakota Game, Fish and Parks
Stream Classification: BK3, BR2, RB1

Date Sampled: 09/23/2002
Site Length (m): 100
Mean Width (m): 10.4
Number of Pass: 3
Conductivity (umhos/cm): 255
pH: 8.4
Water Temperature (C): 8.5
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	18	18	20	18	172	2	180	70	1.55	290	81.7	10.1
Brook Trout	>=200mm	3	3	4	3	29	13	30	12	11.55	48	339.0	450.3
Brook Trout	All	21	21	23	21	201	15	210	81	13.67	338	118.4	76.1
Brown Trout	<200mm	48	68	101	48	651	15	680	264	13.69	1094	114.6	23.5
Brown Trout	>=200mm	28	28	28	28	268	116	280	109	103.22	451	331.0	431.0
Brown Trout	All	76	83	93	76	795	143	830	322	127.66	1335	194.3	179.8
Rainbow Trout	<200mm	5	5	7	5	48	3	50	19	2.59	80	158.8	60.6
Rainbow Trout	>=200mm	24	24	25	24	230	110	240	93	98.13	386	331.9	478.1
Rainbow Trout	All	29	29	30	29	278	113	290	113	100.72	467	302.0	406.1

Site Number: 1952
Site Midpoint (Latitude, Longitude): 44.08822830, -103.57398811
Survey Completed by: South Dakota Game, Fish and Parks
Stream Classification: BR2, RB0

Date Sampled: 10/28/2002
Site Length (m): 100
Mean Width (m): 7.4
Number of Pass: 3
Conductivity (umhos/cm): 240
pH: 8.4
Water Temperature (C): 3.5
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	47	48	51	47	645	8	480	261	6.71	772	91.7	11.7

Brown Trout	>=200mm	13	13	14	13	175	22	130	71	19.45	209	232.3	124.8
Brown Trout	All	60	61	64	60	819	30	610	332	26.46	981	122.2	36.2
Hatchery Rainbow Trout	>=200mm	1	1	1	1	13	18	10	5	16.13	16	455.0	1345.0
Hatchery Rainbow Trout	All	1	1	1	1	13	18	10	5	16.13	16	455.0	1345.0
Rainbow Trout	<200mm	4	4	4	4	54	1	40	22	0.55	64	94.0	11.5
Rainbow Trout	All	4	4	4	4	54	1	40	22	0.55	64	94.0	11.5
Rock Bass	All	13	13	14	13	175	4	130	71	3.27	209	106.3	21.0
White Sucker	All	1	1	2	1	13	0	10	5	0.04	16	68.0	3.0

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 Rapid Creek, 1992-2002

Site 1363

Species/Size	Date	Pop Est.	(95% C.I.)	Stream Classification
Brown Trout <200mm	Sep 28, 1993	28	19-53	
	Oct 04, 1996	66	55-82	
	Oct 06, 1999	278	184-372	
	Oct 18, 2000	153	153-153	
	Oct 19, 2001	78	76-82	
	Oct 16, 2002	120	109-132	
Brown Trout >=200mm	Sep 28, 1993	22	20-28	BR2

Brown Trout >=200mm	Oct 04, 1996	29	26-36	BR2
	Oct 06, 1999	105	79-137	BR1
	Oct 18, 2000	150	150-150	BR1
	Oct 19, 2001	90	90-91	BR1
	Oct 16, 2002	33	32-36	BR2
Green Sunfish	Sep 28, 1993	3	3-4	
Hatchery Rainbow Trout >=200mm	Sep 28, 1993	1	1-1	
	Oct 18, 2000	2	2-2	
Largemouth Bass	Oct 04, 1996	2	2-2	
Longnose Dace	Sep 28, 1993	139	132-147	
	Oct 04, 1996	13	14-17	
	Oct 06, 1999	3	3-4	
	Oct 18, 2000	86	80-94	
	Oct 19, 2001	5	5-6	
	Oct 16, 2002	4	4-5	
Mountain Sucker	Sep 28, 1993	44	44-46	

Mountain Sucker	Oct 04, 1996	11	11-12
	Oct 06, 1999	2	2-4
	Oct 18, 2000	14	14-14
	Oct 19, 2001	3	3-3
Rock Bass	Sep 28, 1993	2	2-2
	Oct 04, 1996	5	3-24
	Oct 06, 1999	2	2-4
	Oct 18, 2000	1	1-3
	Oct 19, 2001	21	11-65
	Oct 16, 2002	6	6-8
White Sucker	Sep 28, 1993	147	140-155
	Oct 04, 1996	40	35-50
	Oct 06, 1999	26	26-28
	Oct 18, 2000	40	40-41
	Oct 19, 2001	9	9-10
	Oct 16, 2002	48	47-51

Species/Size	Date	Pop Est.	(95% C.I.)	Stream Classification
Brown Trout <200mm	Oct 06, 1999	50	46-57	
	Oct 18, 2000	95	90-102	
	Oct 19, 2001	65	64-68	
	Oct 16, 2002	119	84-161	
Brown Trout >=200mm	Oct 06, 1999	115	112-120	BR1
	Oct 18, 2000	163	162-165	BR1
	Oct 19, 2001	169	169-170	BR1
	Oct 16, 2002	66	66-67	BR1
Green Sunfish	Oct 06, 1999	6	5-13	
	Oct 18, 2000	9	9-10	
	Oct 19, 2001	6	4-21	
	Oct 16, 2002	1	1-3	
Hatchery Rainbow Trout >=200mm	Oct 06, 1999	1	1-1	
	Oct 18, 2000	2	2-2	

Hatchery Rainbow Trout >=200mm	Oct 19, 2001	1	1-1	
	Oct 16, 2002	1	1-1	
Largemouth Bass	Oct 06, 1999	20	20-20	
	Oct 18, 2000	2	2-2	
	Oct 19, 2001	12	11-17	
	Oct 16, 2002	5	5-6	
Longnose Dace	Oct 06, 1999	1	1-2	
	Oct 18, 2000	20	21-32	
	Oct 19, 2001	3	3-4	
	Oct 16, 2002	9	8-15	
Mountain Sucker	Oct 18, 2000	2	2-3	
Rainbow Trout >=200mm	Oct 16, 2002	2	2-2	RB2
Rock Bass	Oct 18, 2000	1	1-1	
	Oct 19, 2001	2	2-4	
	Oct 16, 2002	1	1-5	
White Sucker	Oct 06, 1999	14	14-14	

White Sucker	Oct 18, 2000	9	9-10
	Oct 19, 2001	8	8-8
	Oct 16, 2002	29	20-53

Site 1393

Species/Size	Date	Pop Est.	(95% C.I.)	Stream Classification
Brown Trout <200mm	Oct 10, 1996	199	182-216	
	Oct 05, 1999	25	25-27	
	Oct 17, 2000	86	85-89	
	Oct 09, 2001	91	91-92	
	Oct 15, 2002	127	117-138	
Brown Trout >=200mm	Oct 10, 1996	92	91-95	BR1
	Oct 05, 1999	80	67-97	BR1
	Oct 17, 2000	199	196-203	BR1
	Oct 09, 2001	200	200-201	BR1
	Oct 15, 2002	132	131-134	BR1
Green Sunfish	Oct 10, 1996	1	1-1	

Largemouth Bass	Oct 09, 2001	1	1-2
Longnose Dace	Oct 10, 1996	4	5-8
	Oct 17, 2000	1	1-5
	Oct 09, 2001	5	5-5
	Oct 15, 2002	6	6-8
Mountain Sucker	Oct 10, 1996	2	2-3
Rock Bass	Oct 10, 1996	1	1-1
	Oct 05, 1999	2	2-4
	Oct 17, 2000	1	1-2
	Oct 09, 2001	3	3-3
	Oct 15, 2002	5	5-7
White Sucker	Oct 10, 1996	70	64-79
	Oct 05, 1999	43	36-56
	Oct 17, 2000	58	58-60
	Oct 09, 2001	51	51-52
	Oct 15, 2002	73	71-77

Species/Size	Date	Pop Est.	(95% C.I.)	Stream Classification
Brown Trout <200mm	Oct 05, 1992	163	127-199	
	Sep 28, 1993	142	116-168	
	Sep 29, 1994	314	245-383	
	Oct 03, 1995	215	171-259	
	Sep 26, 1996	151	152-172	
	Oct 05, 1999	149	127-171	
	Oct 17, 2000	216	214-220	
	Oct 17, 2001	141	139-145	
	Oct 10, 2002	306	293-319	
Brown Trout >=200mm	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
	Sep 26, 1996	120	90-155	BR1

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
Green Sunfish	Oct 05, 1992	1	1-5	
	Sep 28, 1993	2	2-2	
	Sep 29, 1994	1	1-2	
	Oct 17, 2001	3	3-3	
Longnose Dace	Oct 05, 1992	2	2-3	
	Sep 28, 1993	2	2-4	
	Sep 29, 1994	12	9-25	
	Oct 03, 1995	2	2-3	
	Sep 26, 1996	1	1-2	
	Oct 17, 2000	10	10-11	
	Oct 17, 2001	7	7-8	
	Oct 10, 2002	9	9-11	

Mountain Sucker	Oct 05, 1992	6	6-9
	Sep 28, 1993	1	1-2
	Sep 29, 1994	4	4-6
	Oct 03, 1995	3	3-3
Rock Bass	Sep 29, 1994	1	1-1
	Oct 03, 1995	2	2-4
	Sep 26, 1996	2	2-2
	Oct 05, 1999	1	1-1
	Oct 17, 2001	16	16-16
	Oct 10, 2002	15	15-17
White Sucker	Oct 05, 1992	87	85-91
	Sep 28, 1993	56	56-58
	Sep 29, 1994	76	75-79
	Oct 03, 1995	70	70-71
	Sep 26, 1996	85	70-104
	Oct 05, 1999	37	37-39

White Sucker	Oct 17, 2000	59	59-59
	Oct 17, 2001	88	88-89
	Oct 10, 2002	69	68-72

Site 1418

Species/Size	Date	Pop Est.	(95% C.I.)	Stream Classification
Brown Trout <200mm	Oct 19, 2000	246	240-252	
	Oct 18, 2001	220	209-231	
	Oct 17, 2002	263	252-274	
Brown Trout >=200mm	Oct 19, 2000	229	227-232	BR1
	Oct 18, 2001	175	174-178	BR1
	Oct 17, 2002	187	187-188	BR1
Longnose Dace	Oct 18, 2001	3	3-5	
	Oct 17, 2002	1	1-2	
Northern Pike	Oct 17, 2002	1	1-1	
Rock Bass	Oct 19, 2000	1	1-1	
	Oct 18, 2001	4	4-6	

Rock Bass	Oct 17, 2002	2	2-2
White Sucker	Oct 19, 2000	114	114-115
	Oct 18, 2001	106	104-110
	Oct 17, 2002	127	126-130

Site 1420

Species/Size	Date	Pop Est.	(95% C.I.)	Stream Classification
Brown Trout <200mm	Oct 16, 2000	202	174-230	
	Oct 18, 2001	179	163-195	
	Oct 09, 2002	327	307-347	
Brown Trout >=200mm	Oct 16, 2000	235	233-239	BR1
	Oct 18, 2001	171	169-175	BR1
	Oct 09, 2002	172	172-173	BR1
Hatchery Rainbow Trout >=200mm	Oct 09, 2002	1	1-1	
Longnose Dace	Oct 18, 2001	1	1-5	
	Oct 09, 2002	1	1-3	
Rainbow Trout <200mm	Oct 09, 2002	1	1-3	

Rock Bass	Oct 09, 2002	1	1-2
White Sucker	Oct 16, 2000	13	13-14
	Oct 18, 2001	12	12-13
	Oct 09, 2002	19	18-23

Site 1434

Species/Size	Date	Pop Est.	(95% C.I.)	Stream Classification
Brown Trout <200mm	Nov 10, 1994	335	335-336	
	Sep 24, 1999	136	92-190	
	Oct 16, 2000	158	145-171	
	Oct 16, 2001	147	141-154	
	Oct 15, 2002	103	96-112	
Brown Trout >=200mm	Nov 10, 1994	163	163-164	BR1
	Sep 24, 1999	167	133-201	BR1
	Oct 16, 2000	269	269-271	BR1
	Oct 16, 2001	288	287-291	BR1
	Oct 15, 2002	183	182-186	BR1

Green Sunfish	Oct 16, 2001	3	3-4	
Longnose Dace	Nov 10, 1994	3	4-5	
	Oct 16, 2001	5	5-5	
Northern Pike	Oct 15, 2002	1	1-1	
Rainbow Trout >=200mm	Nov 10, 1994	2	2-2	RB2
Rock Bass	Oct 16, 2001	5	5-6	
	Oct 15, 2002	7	7-7	
White Sucker	Nov 10, 1994	123	123-123	
	Sep 24, 1999	62	61-65	
	Oct 16, 2000	62	62-64	
	Oct 16, 2001	94	92-98	
	Oct 15, 2002	27	27-29	
Yellow Perch	Oct 15, 2002	1	1-3	

Site 1444

Species/Size	Date	Pop Est.	(95% C.I.)	Stream Classification
Brown Trout <200mm	Aug 23, 1996	45	41-53	

Brown Trout <200mm	Oct 29, 1997	39	34-49	
	Oct 12, 1999	158	133-183	
	Oct 10, 2000	694	623-765	
	Oct 16, 2001	223	186-260	
	Oct 07, 2002	370	357-383	
Brown Trout >=200mm	Aug 23, 1996	133	122-145	BR1
	Oct 29, 1997	231	207-255	BR1
	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
Hatchery Rainbow Trout >=200mm	Aug 23, 1996	1	1-5	
Longnose Dace	Aug 23, 1996	9	9-11	
	Oct 29, 1997	3	3-5	
	Oct 10, 2000	6	3-36	
	Oct 16, 2001	2	2-3	

Longnose Dace	Oct 07, 2002	15	16-20	
Mountain Sucker	Oct 29, 1997	1	1-2	
	Oct 12, 1999	1	1-1	
Rainbow Trout >=200mm	Oct 29, 1997	1	1-1	RB2
White Sucker	Aug 23, 1996	22	22-23	
	Oct 29, 1997	18	18-18	
	Oct 12, 1999	12	12-12	
	Oct 10, 2000	10	10-12	
	Oct 16, 2001	8	8-8	
	Oct 07, 2002	7	7-7	

Site 1449

Species/Size	Date	Pop Est.	(95% C.I.)	Stream Classification
Brown Trout <200mm	Aug 23, 1996	42	34-57	
	Oct 29, 1997	126	94-162	
	Oct 12, 1999	192	101-321	
	Oct 11, 2000	401	367-435	

Brown Trout <200mm	Oct 17, 2001	142	134-151	
	Oct 07, 2002	228	208-248	
Brown Trout >=200mm	Aug 23, 1996	91	77-108	BR1
	Oct 29, 1997	54	51-60	BR1
	Oct 12, 1999	193	170-216	BR1
	Oct 11, 2000	170	159-181	BR1
	Oct 17, 2001	80	79-83	BR1
	Oct 07, 2002	77	75-81	BR1
Longnose Dace	Aug 23, 1996	2	2-3	
	Oct 12, 1999	2	2-4	
	Oct 17, 2001	1	1-3	
	Oct 07, 2002	1	1-1	
Rainbow Trout <200mm	Oct 11, 2000	1	1-2	
White Sucker	Aug 23, 1996	32	31-36	
	Oct 29, 1997	14	14-15	
	Oct 12, 1999	33	33-35	

White Sucker	Oct 11, 2000	22	22-23
	Oct 17, 2001	37	36-40
	Oct 07, 2002	44	44-45

Site 1468

Species/Size	Date	Pop Est.	(95% C.I.)	Stream Classification
Brown Trout <200mm	Oct 24, 2000	252	206-298	
	Oct 11, 2001	466	293-639	
	Oct 08, 2002	380	335-425	
Brown Trout >=200mm	Oct 24, 2000	23	23-25	BR2
	Oct 11, 2001	21	21-21	BR2
	Oct 08, 2002	14	14-14	BR2
Hatchery Rainbow Trout >=200mm	Oct 24, 2000	3	3-3	
	Oct 11, 2001	2	2-2	
Longnose Dace	Oct 24, 2000	3	4-6	
	Oct 11, 2001	3	3-6	
	Oct 08, 2002	22	20-28	

Rainbow Trout <200mm	Oct 24, 2000	20	18-26	
	Oct 11, 2001	2	2-4	
	Oct 08, 2002	2	2-2	
Rainbow Trout >=200mm	Oct 08, 2002	5	5-5	RB1
White Sucker	Oct 11, 2001	1	1-3	
	Oct 08, 2002	4	4-4	

Site 1470

Species/Size	Date	Pop Est.	(95% C.I.)	Stream Classification
Brown Trout <200mm	Oct 11, 2000	237	219-255	
	Oct 11, 2001	342	324-360	
	Sep 25, 2002	304	270-338	
Brown Trout >=200mm	Oct 11, 2000	21	21-21	BR2
	Oct 11, 2001	21	21-21	BR2
	Sep 25, 2002	1	1-2	BR3
Hatchery Rainbow Trout >=200mm	Oct 11, 2001	1	1-1	
	Sep 25, 2002	7	7-8	

Longnose Dace	Oct 11, 2000	4	4-6	
	Oct 11, 2001	8	9-11	
	Sep 25, 2002	10	10-12	
Rainbow Trout <200mm	Oct 11, 2000	7	7-7	
	Oct 11, 2001	6	6-7	
	Sep 25, 2002	3	3-3	
Rainbow Trout >=200mm	Oct 11, 2000	1	1-1	RB2
White Sucker	Oct 11, 2000	1	2-1	
	Oct 11, 2001	2	2-4	
	Sep 25, 2002	6	6-6	

Site 1475

Species/Size	Date	Pop Est.	(95% C.I.)	Stream Classification
Brown Trout <200mm	Oct 24, 2000	378	354-402	
	Oct 10, 2001	517	491-543	
	Sep 24, 2002	403	403-403	
Brown Trout >=200mm	Oct 24, 2000	33	33-35	BR2

Brown Trout >=200mm	Oct 10, 2001	24	24-25	BR2
	Sep 24, 2002	6	6-6	BR3
Hatchery Rainbow Trout >=200mm	Oct 10, 2001	2	2-4	
	Sep 24, 2002	2	2-2	
Longnose Dace	Oct 10, 2001	6	3-36	
	Sep 24, 2002	11	11-11	
Rainbow Trout <200mm	Oct 24, 2000	7	7-9	
	Oct 10, 2001	3	3-5	
	Sep 24, 2002	9	9-9	
White Sucker	Sep 24, 2002	1	1-1	

Site 1476

Species/Size	Date	Pop Est.	(95% C.I.)	Stream Classification
Brown Trout <200mm	Oct 05, 2000	475	399-551	
	Oct 10, 2001	605	537-673	
	Sep 24, 2002	536	516-556	
Brown Trout >=200mm	Oct 05, 2000	14	14-14	BR2

Brown Trout >=200mm	Oct 10, 2001	7	7-7	BR3
	Sep 24, 2002	5	5-5	BR3
Hatchery Rainbow Trout >=200mm	Oct 10, 2001	2	2-3	
Longnose Dace	Oct 05, 2000	3	4-6	
	Oct 10, 2001	11	12-15	
	Sep 24, 2002	13	13-15	
Rainbow Trout <200mm	Oct 05, 2000	13	10-25	
	Oct 10, 2001	14	14-15	
	Sep 24, 2002	44	44-46	
White Sucker	Oct 10, 2001	4	4-5	

Site 1483

Species/Size	Date	Pop Est.	(95% C.I.)	Stream Classification
Brown Trout <200mm	Oct 25, 2000	448	422-474	
	Oct 03, 2001	592	496-688	
	Sep 30, 2002	449	416-482	
Brown Trout >=200mm	Oct 25, 2000	22	22-23	BR2

Brown Trout >=200mm	Oct 03, 2001	18	18-18	BR2
	Sep 30, 2002	11	11-11	BR2
Hatchery Rainbow Trout >=200mm	Sep 30, 2002	1	1-1	
Mountain Sucker	Oct 03, 2001	1	1-3	
Rainbow Trout <200mm	Oct 25, 2000	2	2-2	
	Oct 03, 2001	30	11-145	
White Sucker	Sep 30, 2002	3	3-3	

Site 1484

Species/Size	Date	Pop Est.	(95% C.I.)	Stream Classification
Brown Trout <200mm	Oct 05, 2000	591	475-707	
	Oct 03, 2001	749	723-775	
	Oct 09, 2002	564	536-592	
Brown Trout >=200mm	Oct 05, 2000	12	12-12	BR2
	Oct 03, 2001	16	16-16	BR2
	Oct 09, 2002	3	3-3	BR3
Mountain Sucker	Oct 09, 2002	1	1-2	

Rainbow Trout <200mm	Oct 05, 2000	9	9-9
	Oct 03, 2001	6	6-6
White Sucker	Oct 05, 2000	1	1-1

Site 1656

Species/Size	Date	Pop Est.	(95% C.I.)	Stream Classification
Brown Trout <200mm	Oct 13, 1992	269	235-303	
	Sep 30, 1993	229	172-286	
	Sep 29, 1994	361	317-405	
	Oct 03, 1995	213	203-223	
	Oct 02, 1996	222	199-245	
	Sep 29, 1999	189	131-247	
	Oct 04, 2000	205	184-226	
	Oct 01, 2001	249	213-285	
	Oct 25, 2002	152	127-177	
Brown Trout >=200mm	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
	Oct 02, 1996	79	68-94	BR1
	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

Site 1833

Species/Size	Date	Pop Est.	(95% C.I.)	Stream Classification
Brook Trout <200mm	Nov 13, 1992	10	10-12	
	Sep 30, 1993	20	14-40	
	Oct 16, 1996	2	2-4	
	Oct 28, 1997	2	2-2	
	Oct 14, 1999	2	2-3	
	Oct 03, 2000	3	3-4	
	Oct 02, 2001	7	7-8	

Brook Trout <200mm	Oct 28, 2002	2	2-4	
Brook Trout >=200mm	Oct 28, 1997	1	1-2	BK3
Brown Trout <200mm	Nov 13, 1992	281	232-330	
	Sep 30, 1993	474	201-808	
	Oct 16, 1996	293	275-311	
	Oct 28, 1997	128	105-152	
	Oct 23, 1998	76	66-90	
	Oct 14, 1999	48	40-62	
	Oct 03, 2000	107	82-137	
	Oct 02, 2001	222	110-383	
	Oct 28, 2002	84	71-101	
	Brown Trout >=200mm	Nov 13, 1992	50	50-51
Sep 30, 1993		34	32-39	BR2
Oct 16, 1996		30	30-31	BR2
Oct 28, 1997		32	32-33	BR2
Oct 23, 1998		66	65-69	BR1

Brown Trout >=200mm	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
Rainbow Trout <200mm	Nov 13, 1992	1	1-2	
	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	
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
Rock Bass	Oct 02, 2001	1	1-1	

Species/Size	Date	Pop Est.	(95% C.I.)	Stream Classification
Brook Trout <200mm	Oct 06, 1992	55	47-68	
	Sep 29, 1993	228	63-776	
	Sep 28, 1994	38	36-43	
	Oct 04, 1995	40	39-43	
	Sep 27, 1996	14	12-21	
	Oct 22, 1997	13	5-87	
	Oct 04, 1999	1	1-1	
	Oct 01, 2001	8	7-14	
	Oct 25, 2002	6	6-6	
Brook Trout >=200mm	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
	Oct 22, 1997	2	2-4	BK3
Brown Trout <200mm	Oct 06, 1992	153	101-214	

Brown Trout <200mm	Sep 29, 1993	395	290-500	
	Sep 28, 1994	130	121-140	
	Oct 04, 1995	125	83-180	
	Sep 27, 1996	810	431-1189	
	Oct 22, 1997	241	171-311	
	Oct 23, 1998	94	81-110	
	Oct 04, 1999	27	24-34	
	Oct 02, 2000	21	16-36	
	Oct 01, 2001	53	28-121	
	Oct 25, 2002	31	25-44	
Brown Trout >=200mm	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
	Sep 27, 1996	11	10-16	BR2
	Oct 22, 1997	46	42-53	BR1

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
Rainbow Trout <200mm	Oct 06, 1992	1	1-1	
	Sep 27, 1996	1	1-5	
	Oct 23, 1998	7	7-7	
	Oct 04, 1999	4	4-5	
	Oct 02, 2000	2	2-6	
Rainbow Trout >=200mm	Oct 23, 1998	1	1-2	RB2
	Oct 02, 2000	1	1-2	RB2
	Oct 01, 2001	1	1-1	RB2
Rock Bass	Sep 28, 1994	1	1-2	

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	
	Oct 03, 2000	11	12-15	
	Oct 02, 2001	17	17-17	
	Sep 23, 2002	18	18-20	
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
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	
	Oct 02, 1996	156	126-186	

Brown Trout <200mm	Oct 22, 1997	263	118-483	
	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	
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
	Oct 02, 1996	17	17-19	BR2
	Oct 22, 1997	44	39-54	BR1
	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
Rainbow Trout <200mm	Oct 06, 1992	19	15-31	
	Sep 28, 1994	2	2-3	
	Oct 04, 1995	25	24-29	
	Oct 02, 1996	28	28-29	
	Oct 22, 1997	2	2-2	
	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	
Rainbow Trout >=200mm	Oct 06, 1992	1	1-1	RB2
	Sep 29, 1993	7	7-8	RB1
	Sep 28, 1994	13	5-87	RB1
	Oct 04, 1995	1	1-2	RB2
	Oct 02, 1996	5	3-24	RB2

Rainbow Trout >=200mm	Oct 22, 1997	3	3-4	RB2
	Oct 22, 1998	4	4-7	RB2
	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

Site 1952

Species/Size	Date	Pop Est.	(95% C.I.)	Stream Classification
Brown Trout <200mm	Sep 25, 1992	74	72-78	
	Sep 22, 1993	179	139-219	
	Sep 28, 1999	114	90-141	
	Oct 02, 2000	51	50-54	
	Oct 01, 2001	29	28-32	
	Oct 28, 2002	48	47-51	
Brown Trout >=200mm	Sep 25, 1992	36	36-36	BR1
	Sep 22, 1993	42	42-43	BR1

Brown Trout >=200mm	Sep 28, 1999	31	31-33	BR2
	Oct 02, 2000	23	23-23	BR2
	Oct 01, 2001	14	14-15	BR2
	Oct 28, 2002	13	13-14	BR2
Hatchery Rainbow Trout <200mm	Sep 22, 1993	1	1-5	
Hatchery Rainbow Trout >=200mm	Sep 22, 1993	2	2-4	
	Sep 28, 1999	4	4-4	
	Oct 01, 2001	1	1-1	
	Oct 28, 2002	1	1-1	
Rainbow Trout <200mm	Sep 28, 1999	5	5-7	
	Oct 02, 2000	5	3-24	
	Oct 28, 2002	4	4-4	
Rainbow Trout >=200mm	Oct 02, 2000	1	1-1	RB2
Rock Bass	Sep 25, 1992	8	8-9	
	Sep 22, 1993	1	1-1	
	Sep 28, 1999	1	1-2	

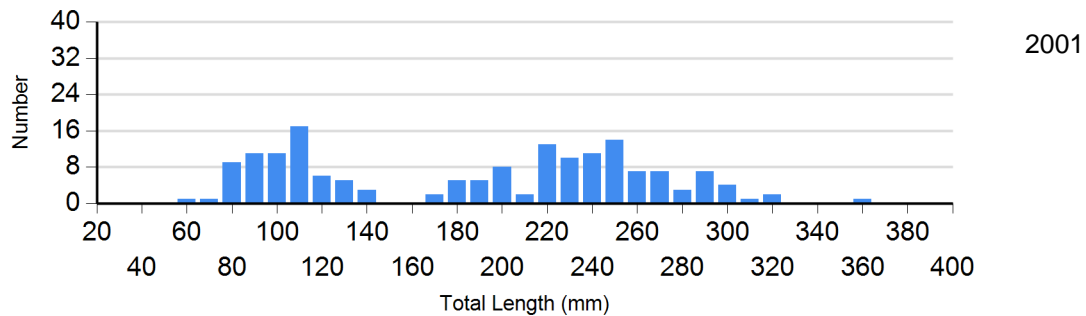
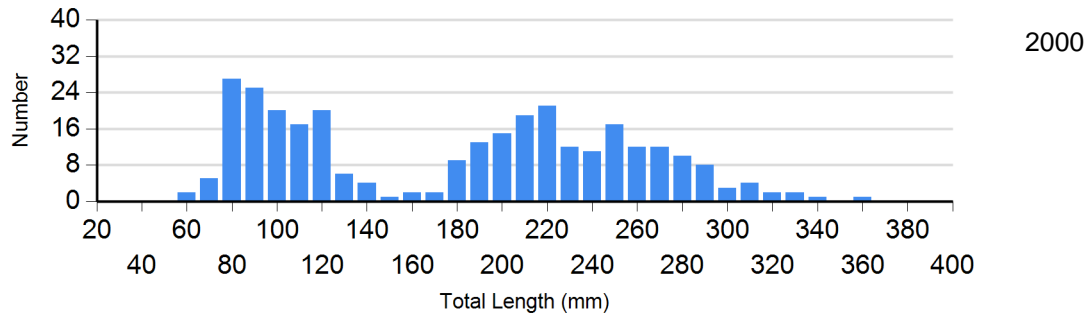
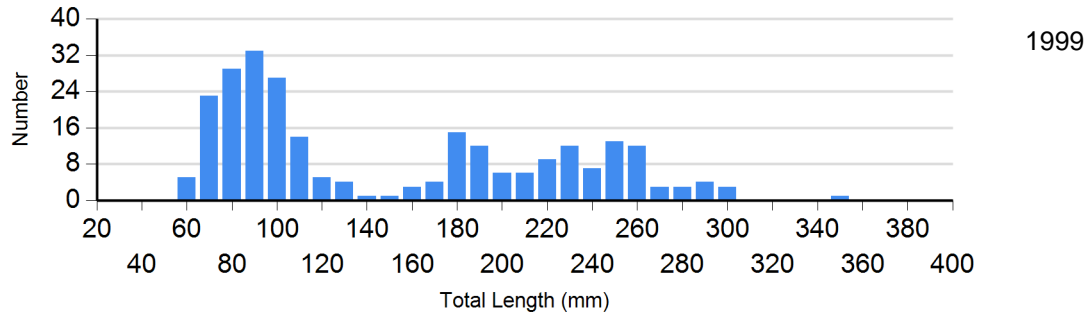
Rock Bass	Oct 02, 2000	5	5-6
	Oct 01, 2001	15	15-17
	Oct 28, 2002	13	13-14
White Sucker	Sep 25, 1992	1	1-1
	Oct 28, 2002	1	1-2

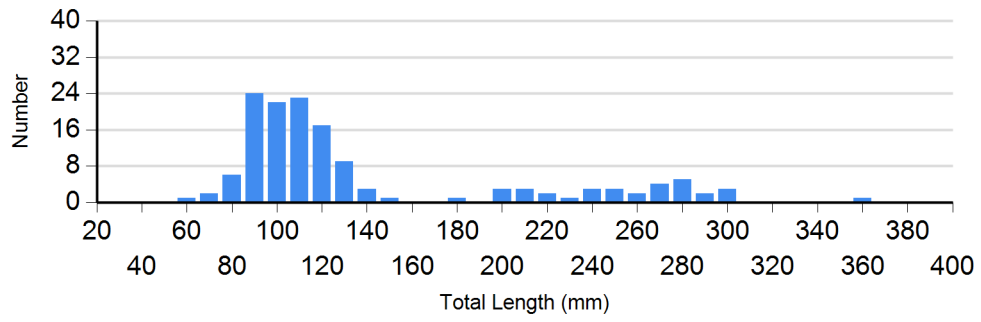
Length Frequency Distribution

Length frequency histogram of species sampled by year.

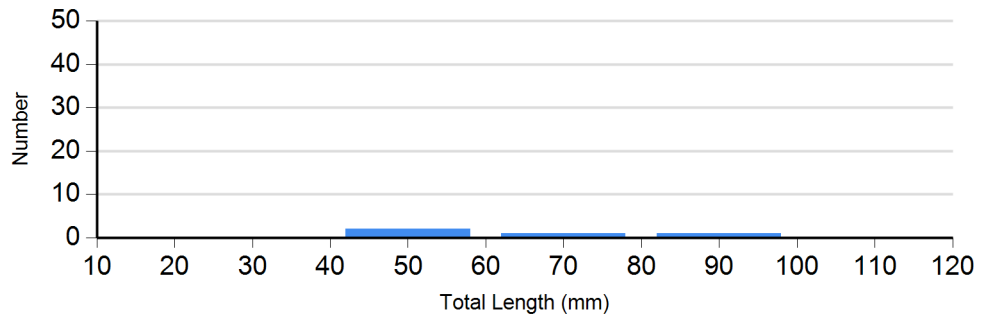
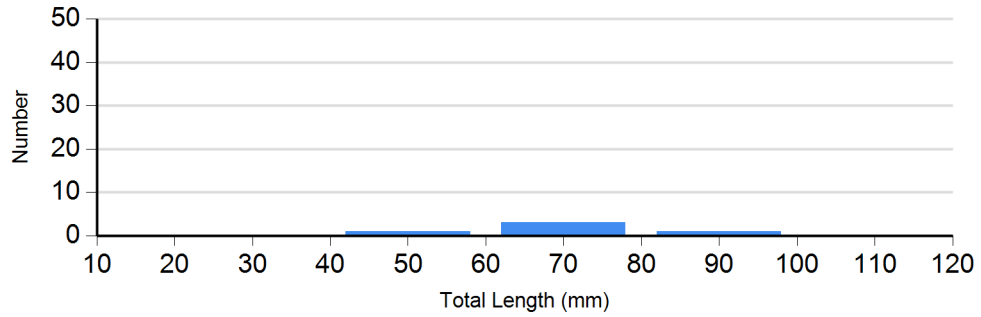
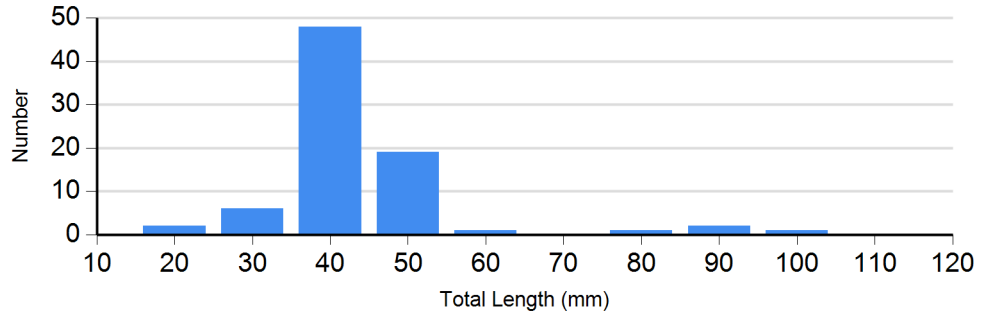
Site: 1363

Species: Brown Trout

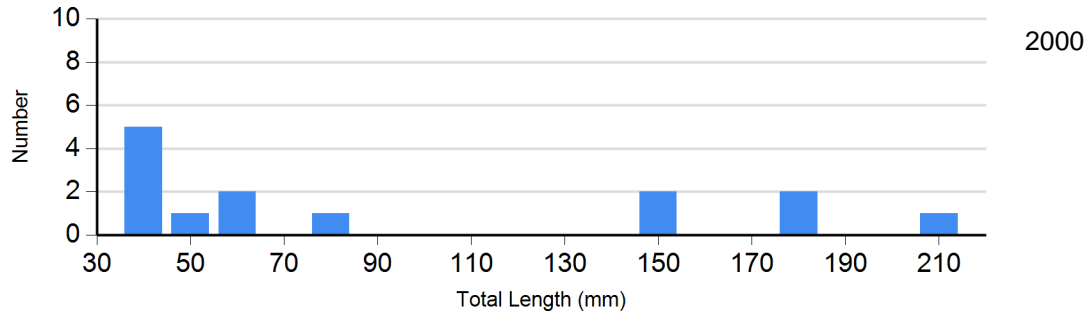




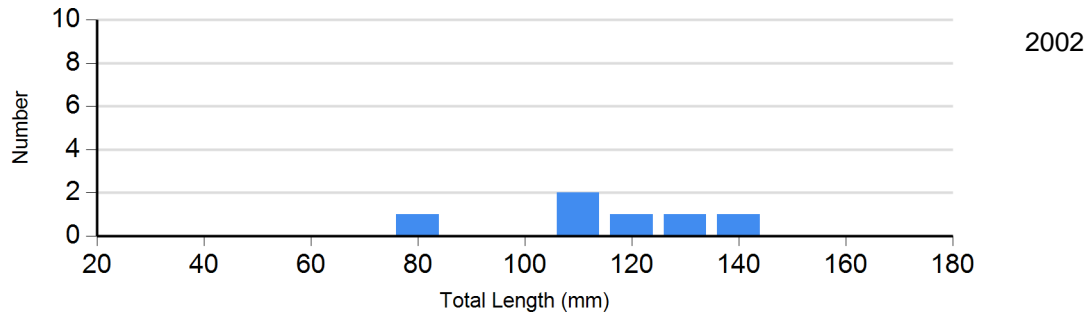
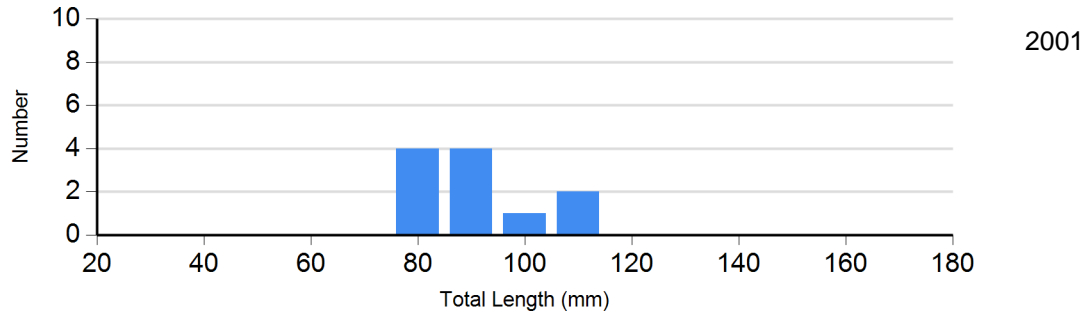
Site: 1363
Species: Longnose Dace



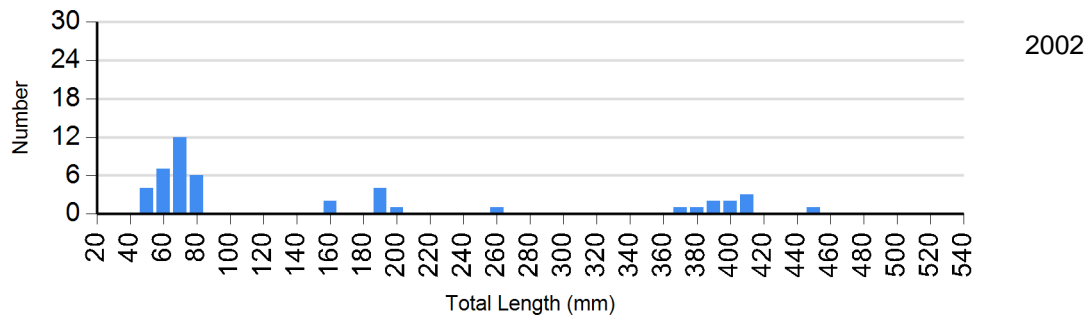
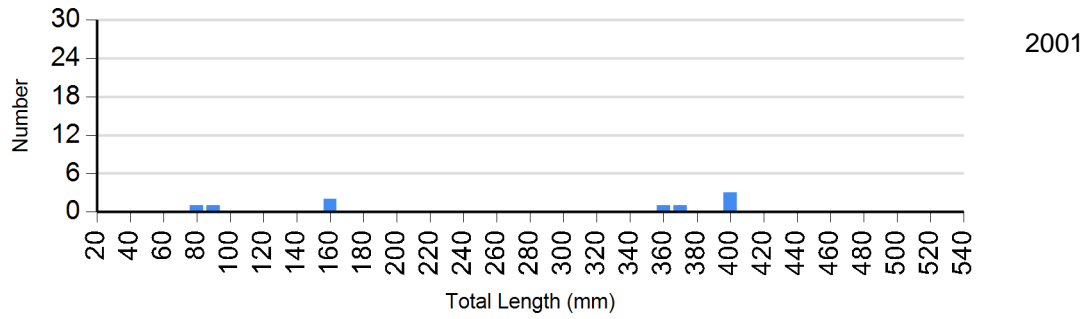
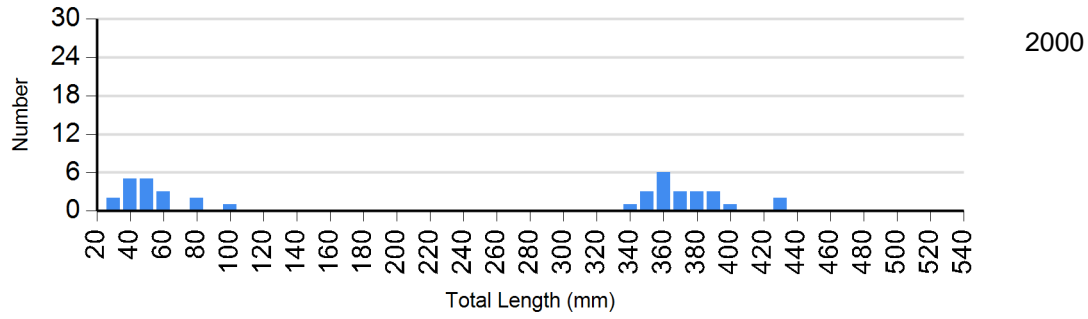
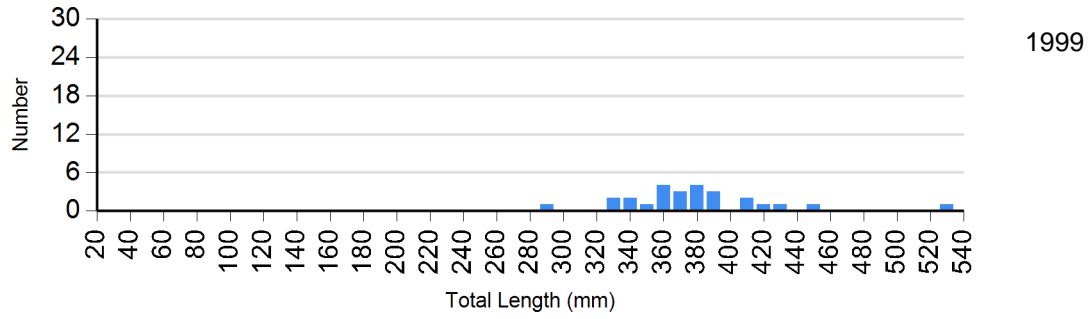
Site: 1363
Species: Mountain Sucker



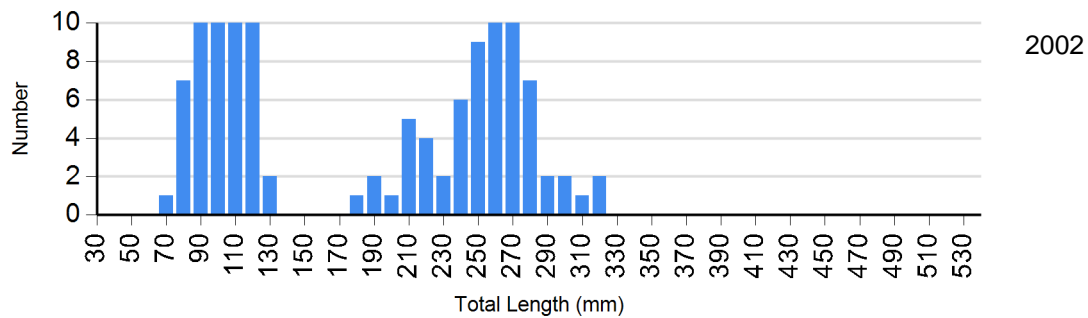
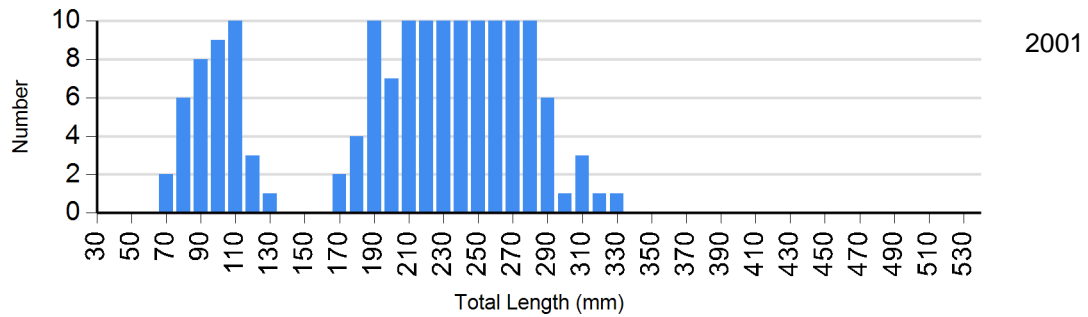
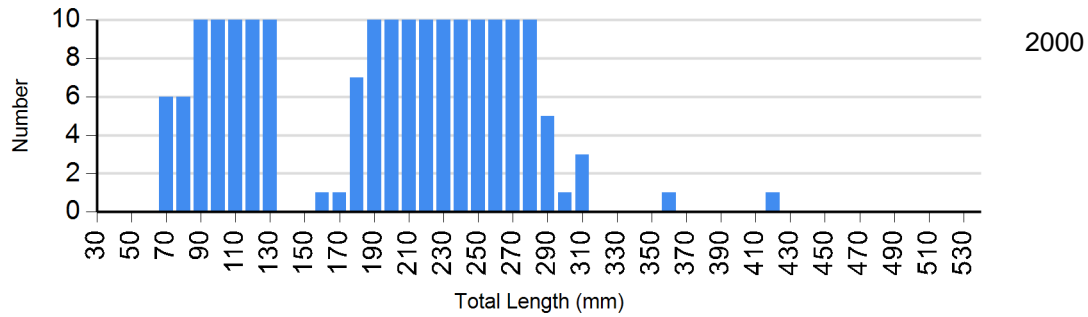
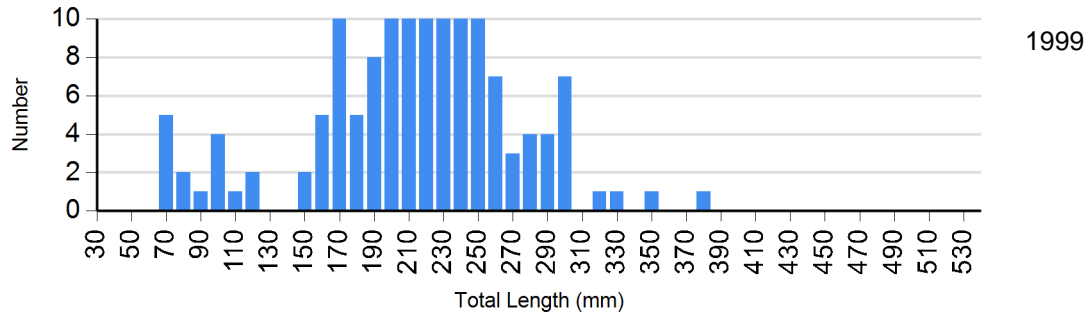
Site: 1363
Species: Rock Bass



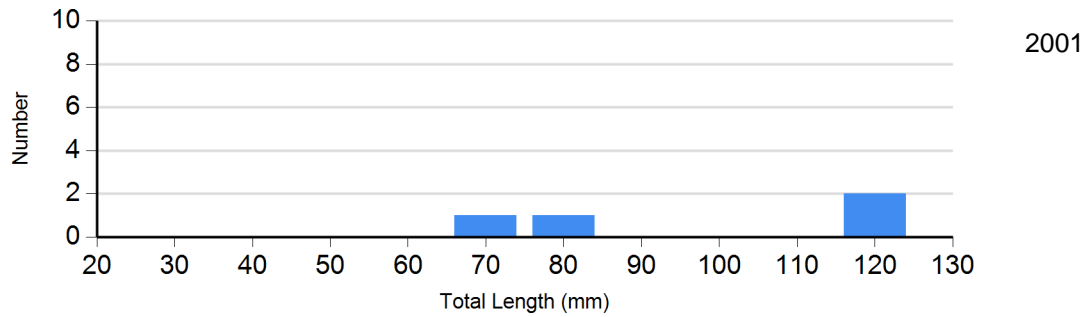
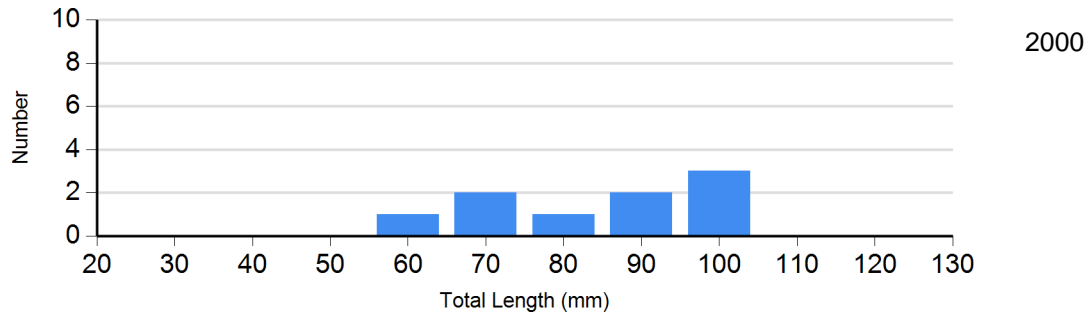
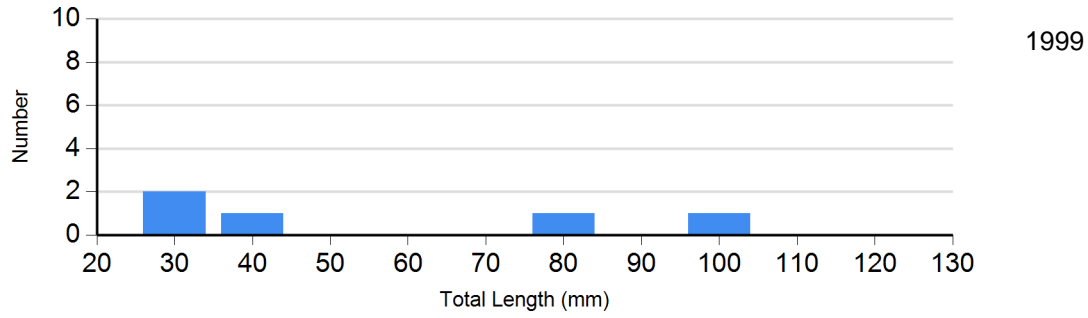
Site: 1363
Species: White Sucker



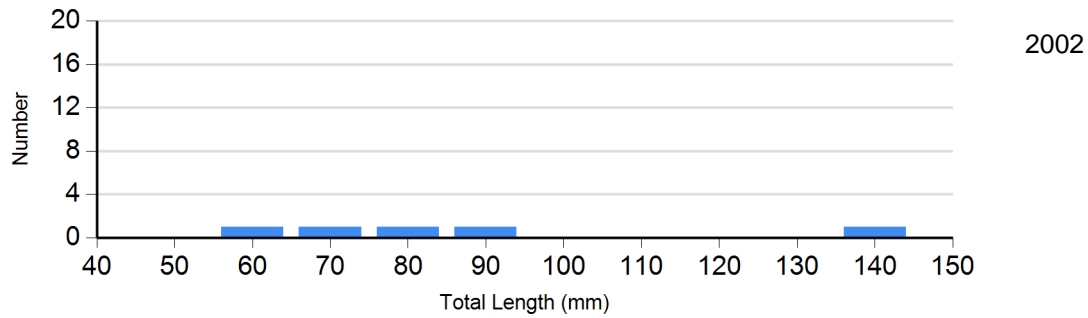
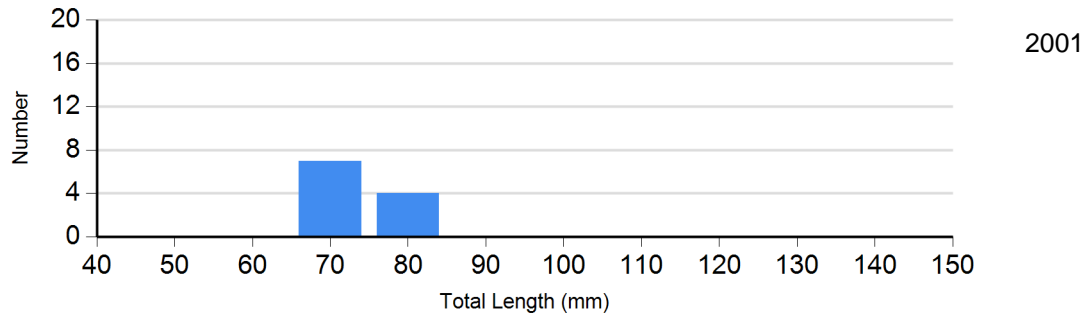
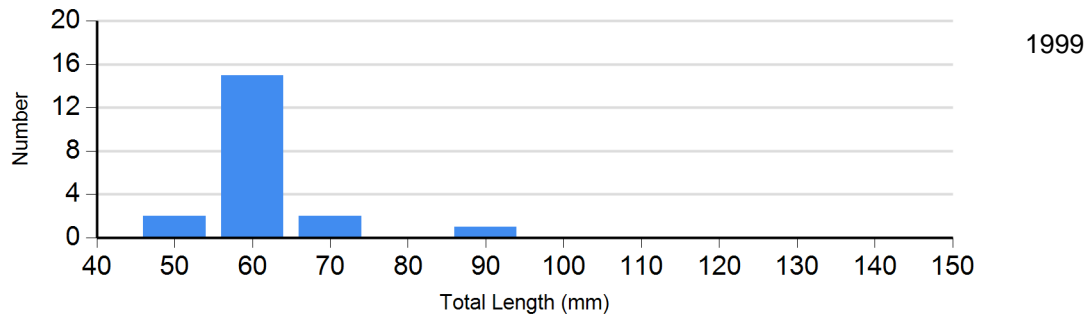
Site: 1383
Species: Brown Trout



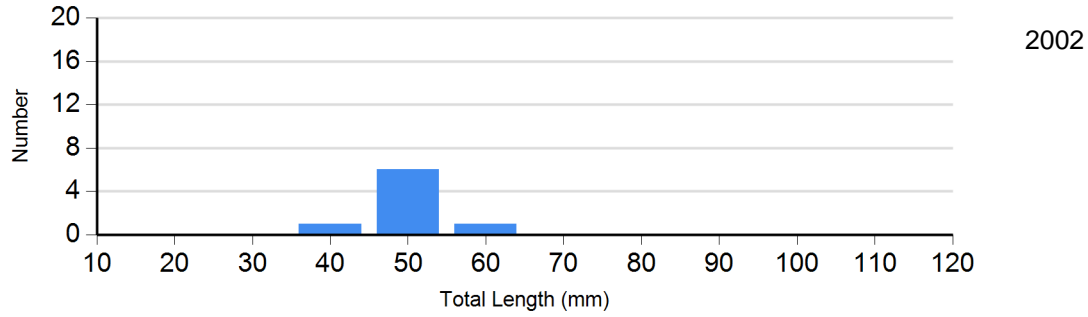
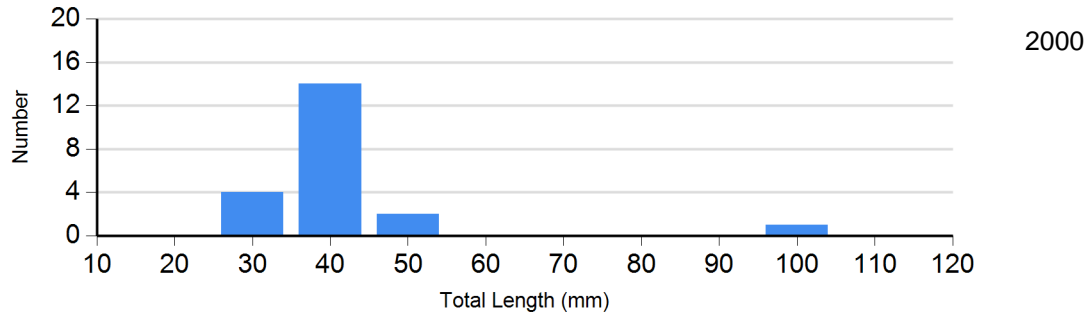
Site: 1383
Species: Green Sunfish



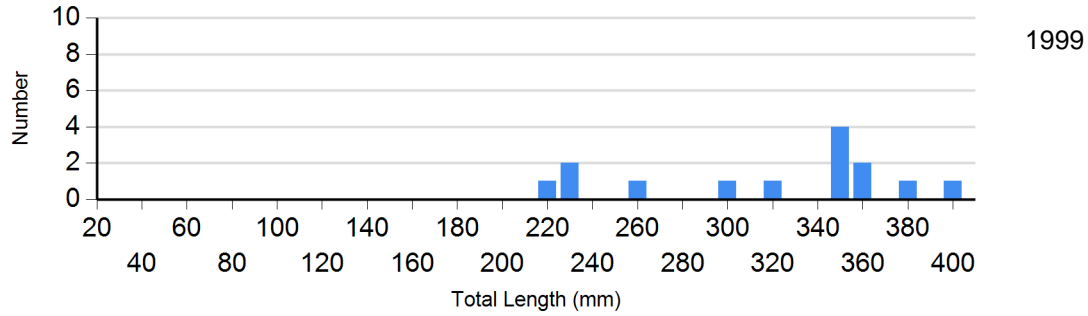
Site: 1383
Species: Largemouth Bass

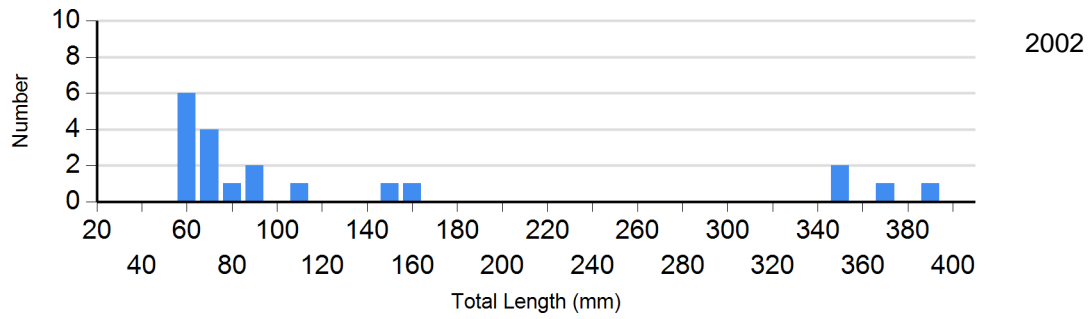
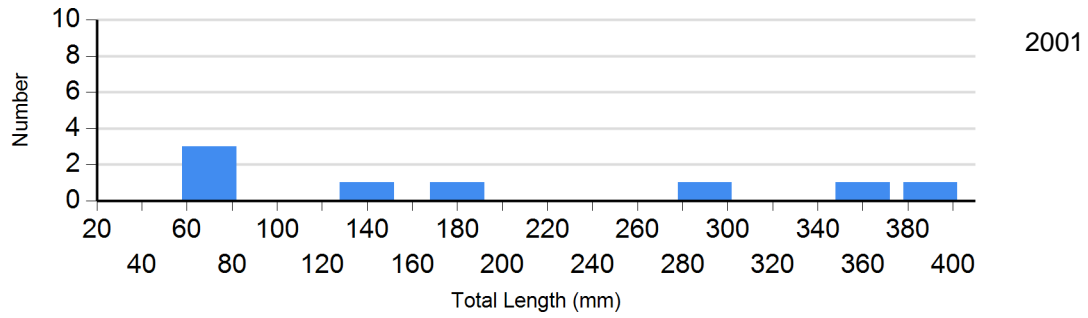
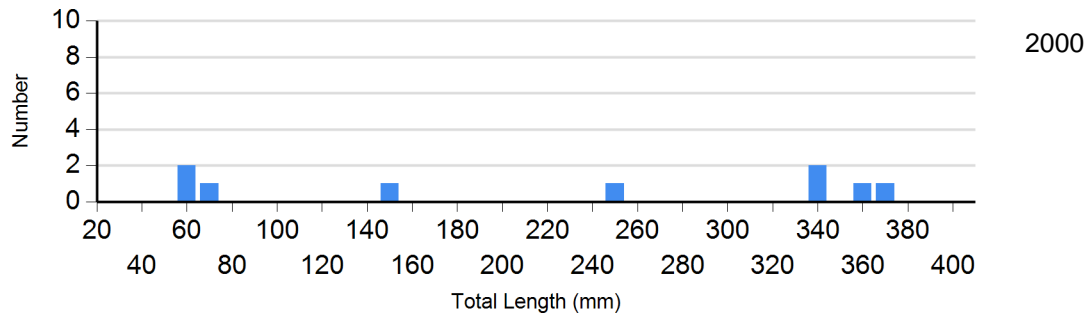


Site: 1383
Species: Longnose Dace

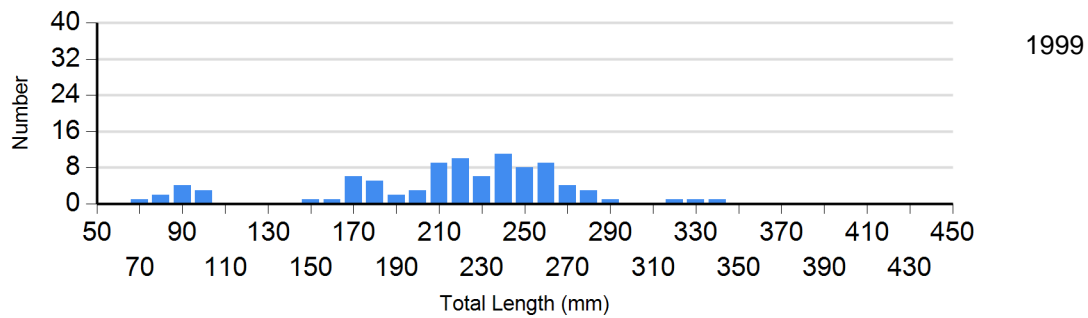


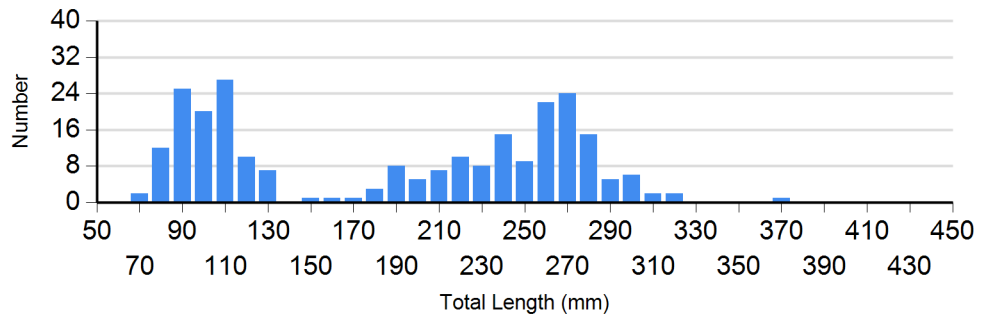
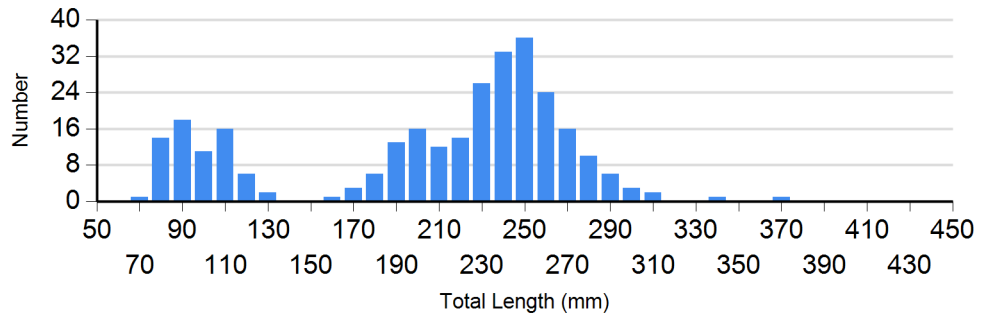
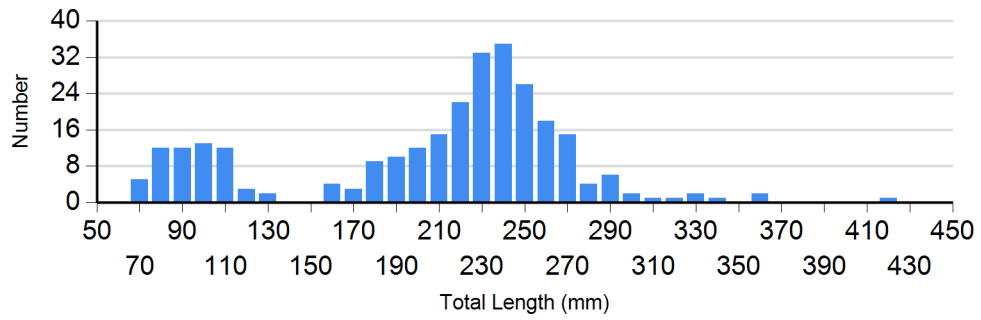
Site: 1383
Species: White Sucker



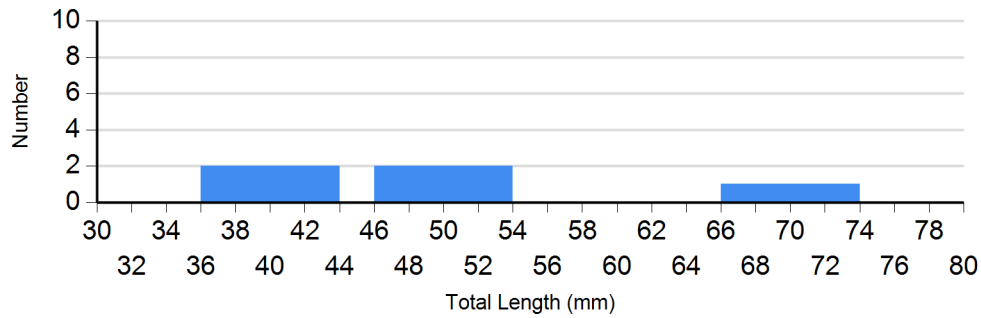


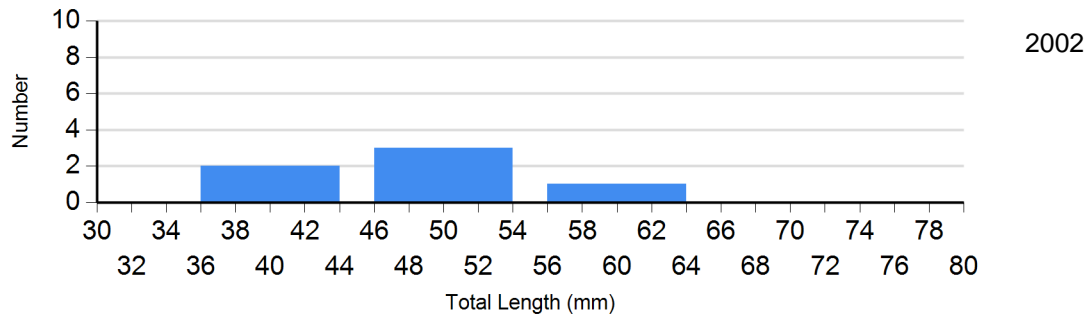
Site: 1393
Species: Brown Trout



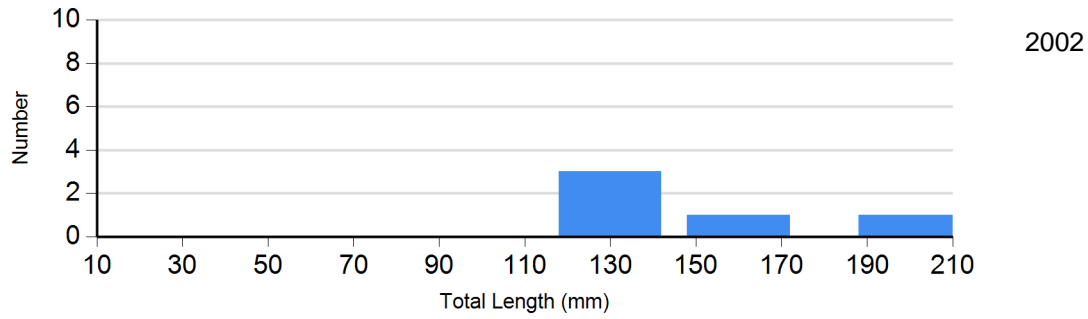


Site: 1393
Species: Longnose Dace

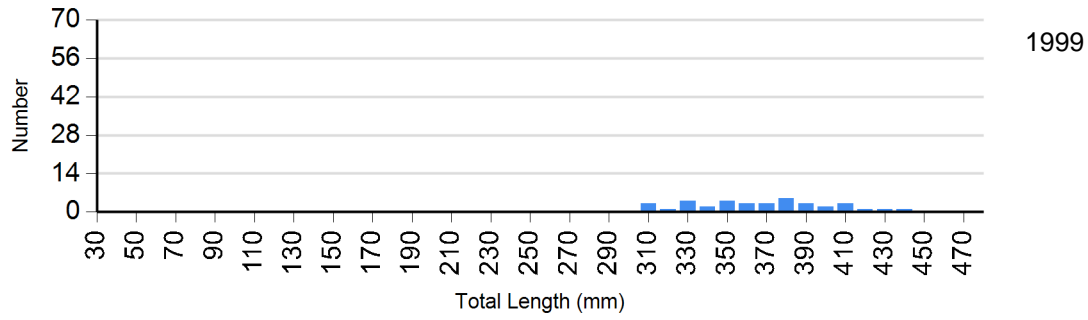


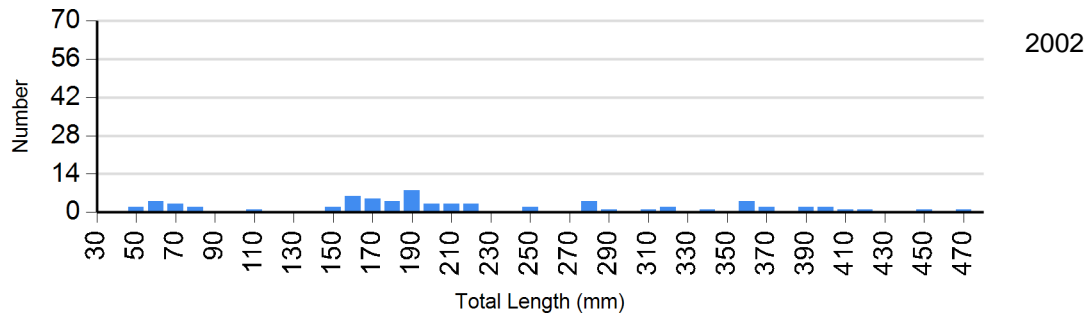
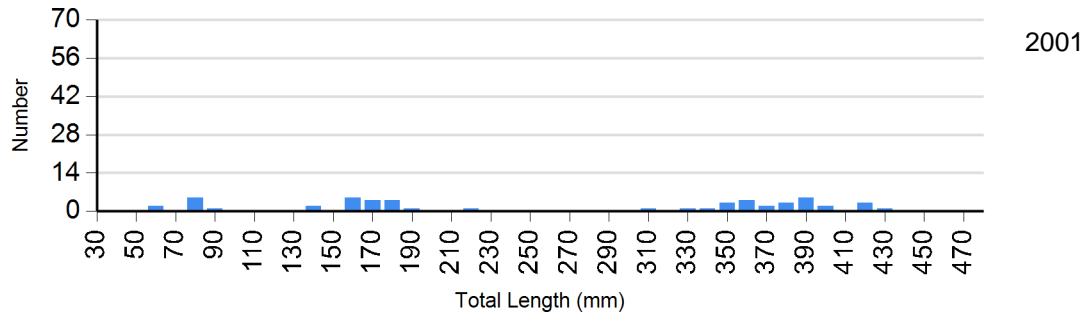
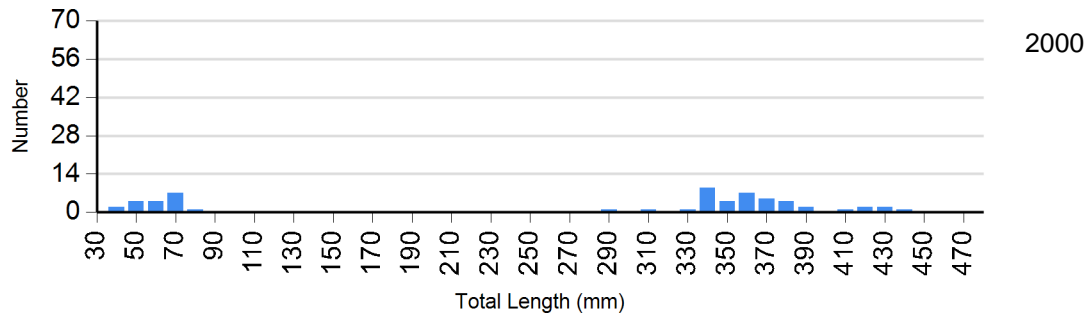


Site: 1393
Species: Rock Bass

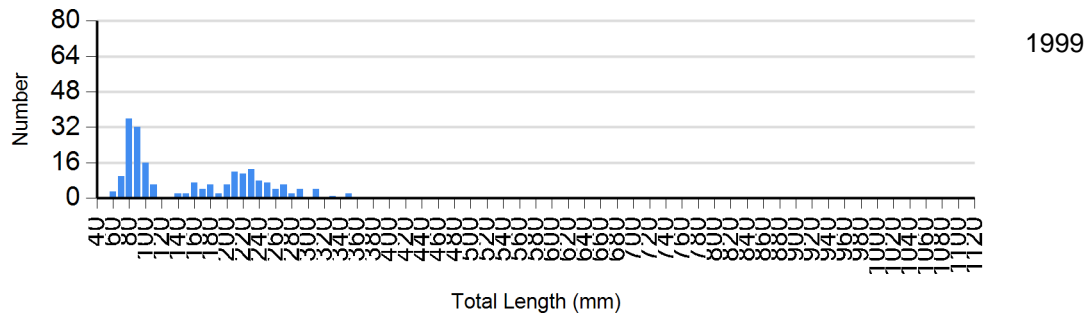


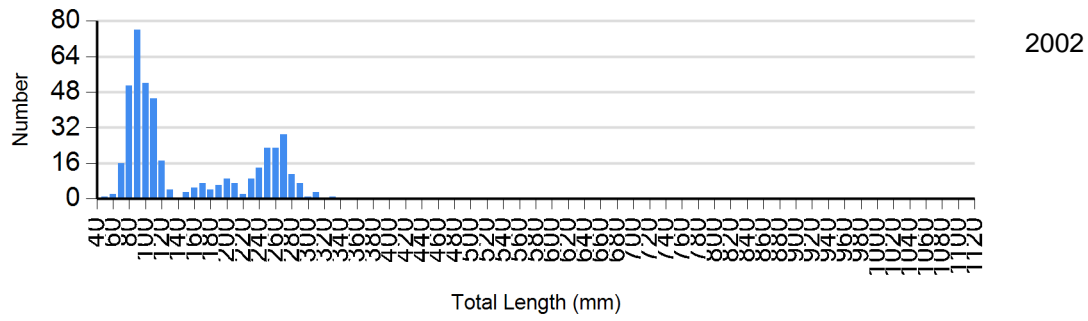
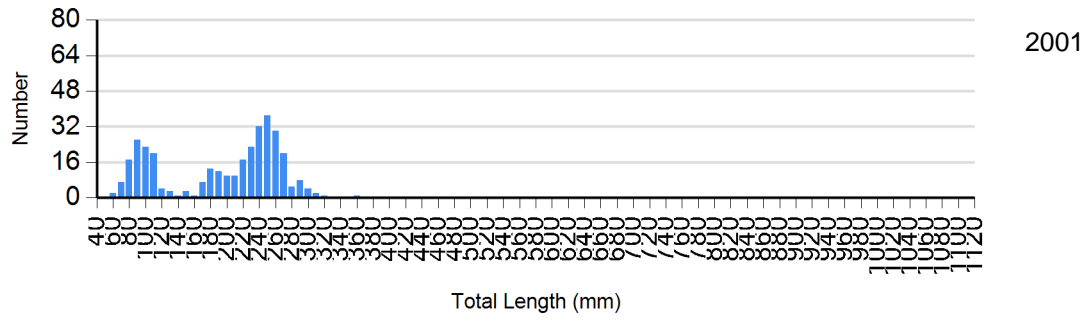
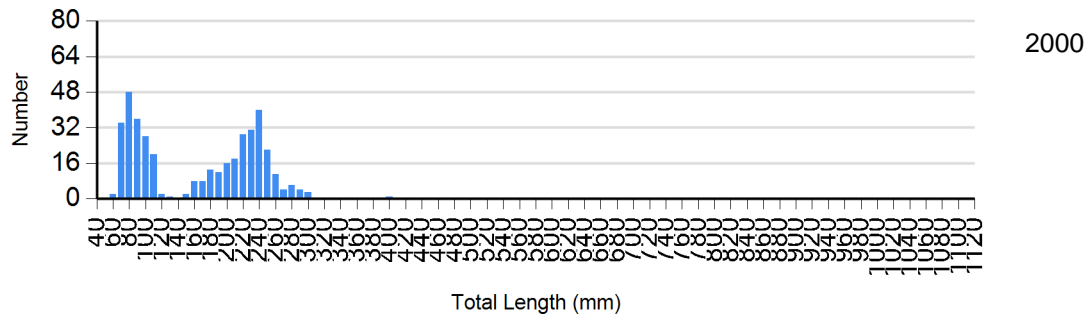
Site: 1393
Species: White Sucker



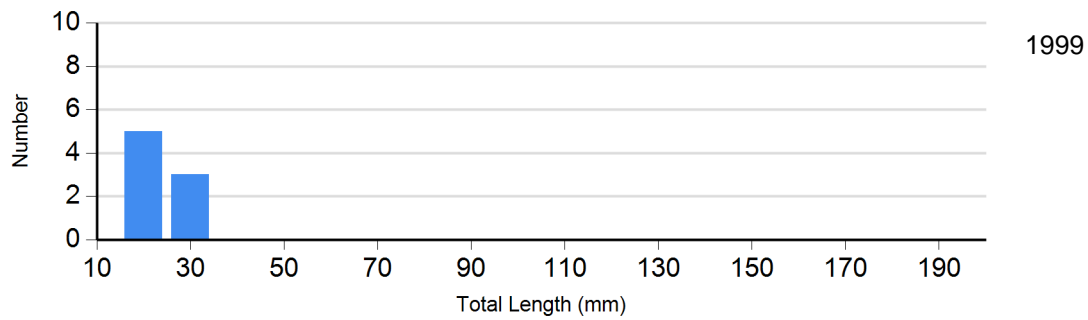


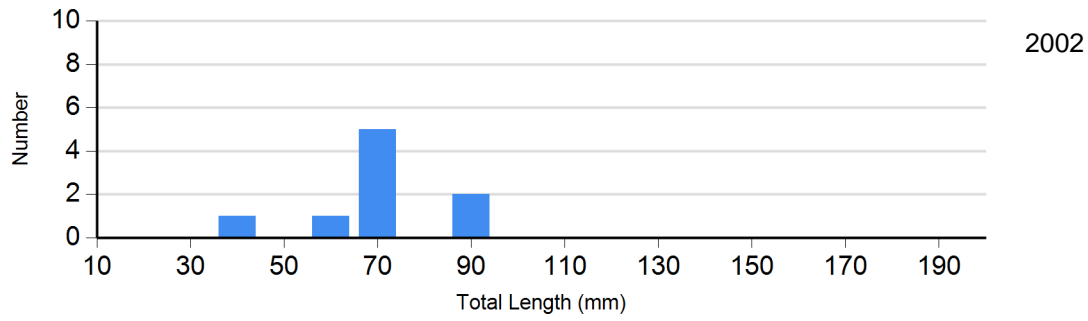
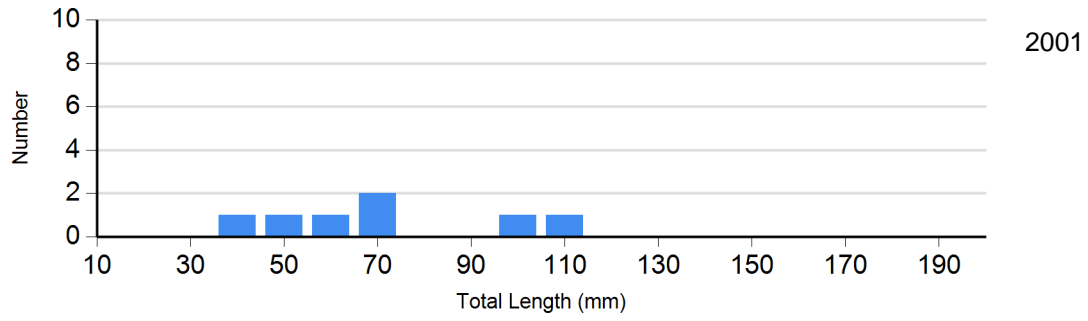
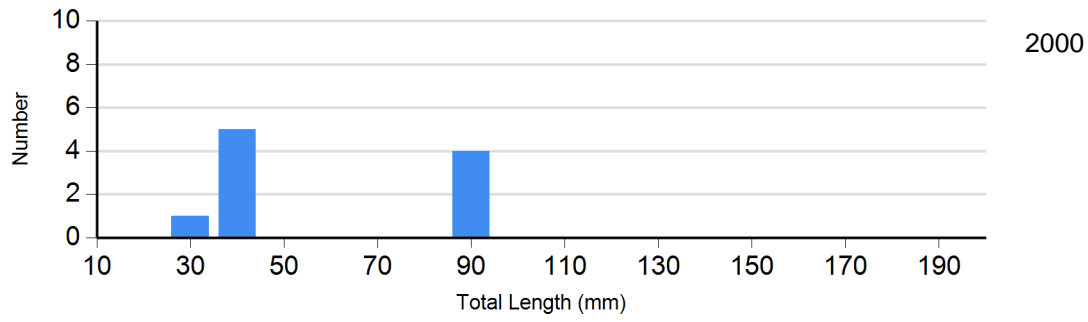
Site: 1412
Species: Brown Trout



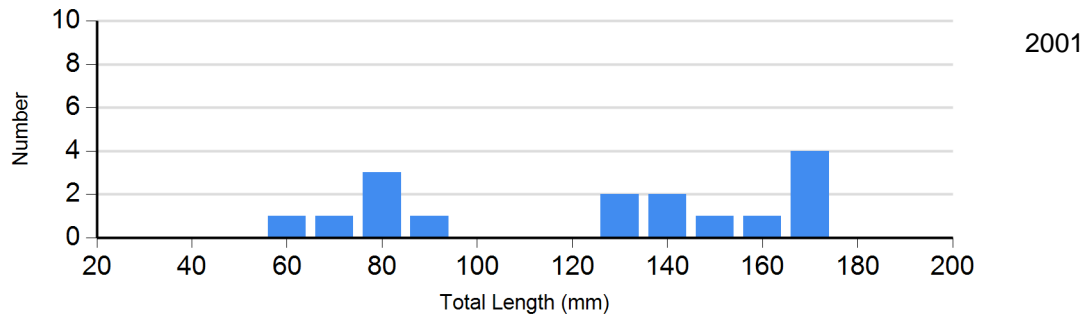


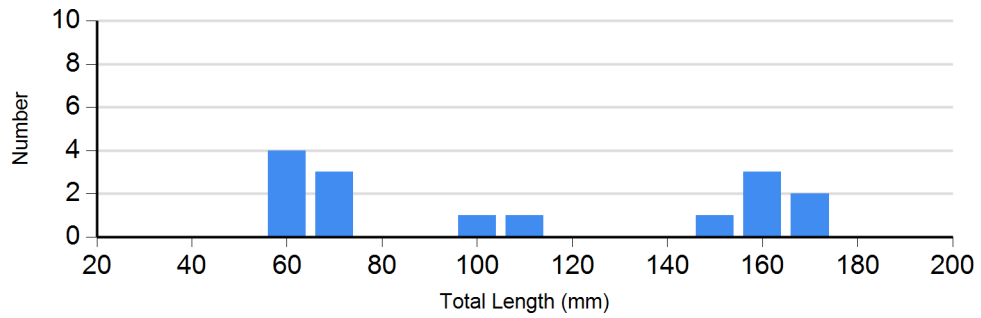
Site: 1412
Species: Longnose Dace





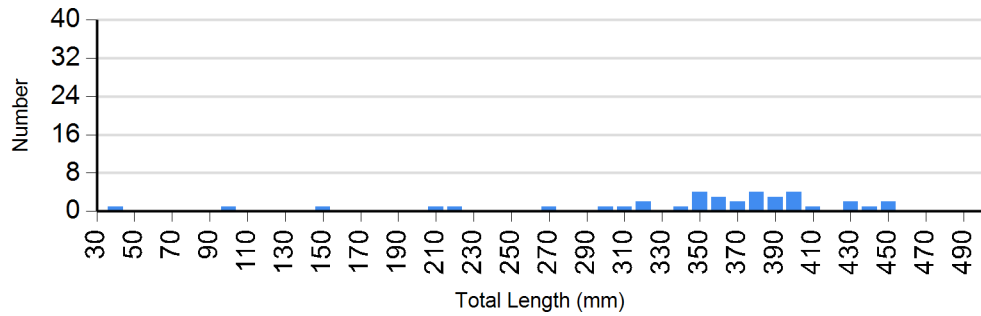
Site: 1412
Species: Rock Bass



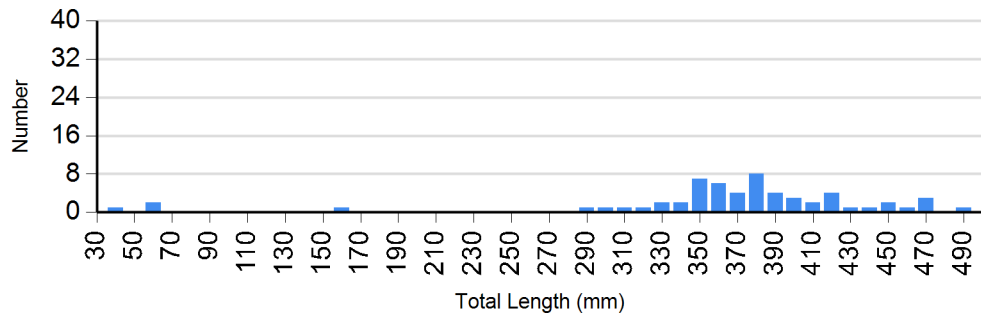


2002

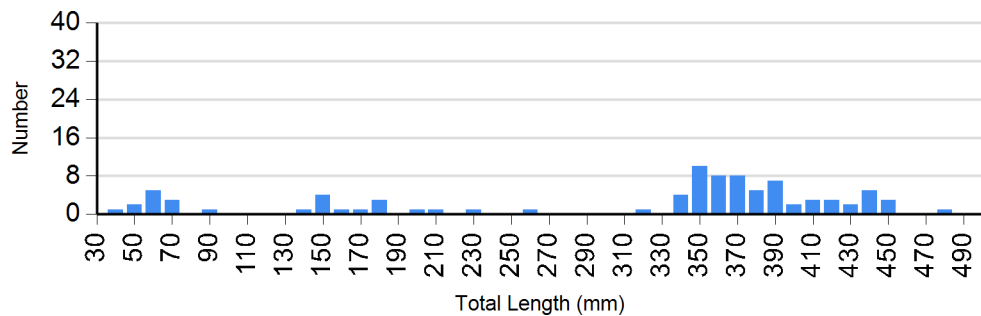
Site: 1412
Species: White Sucker



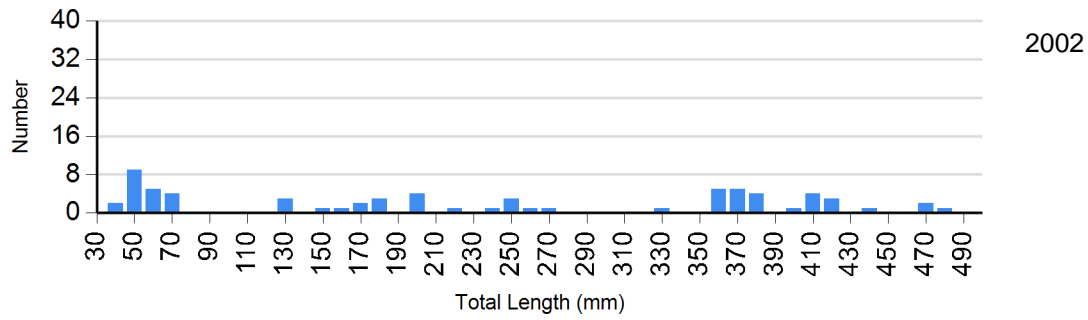
1999



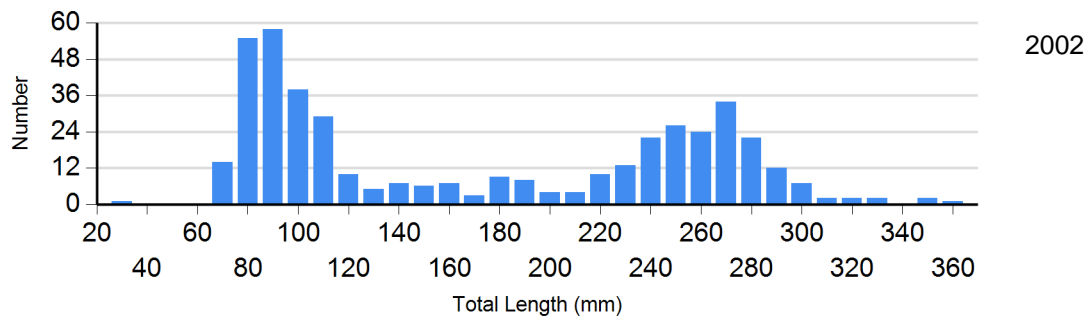
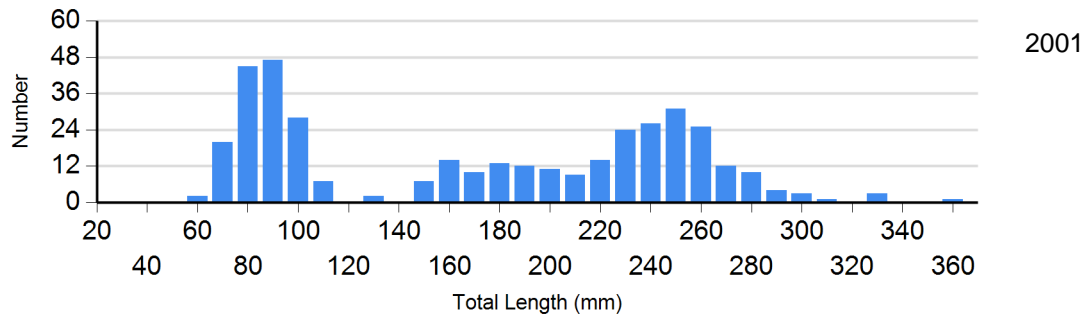
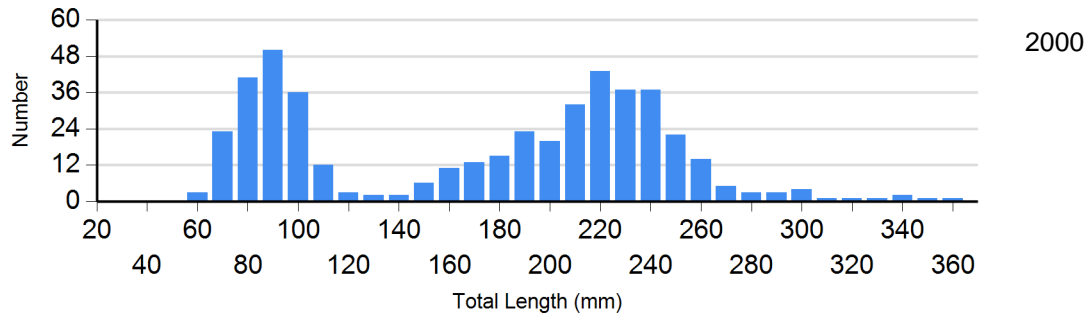
2000



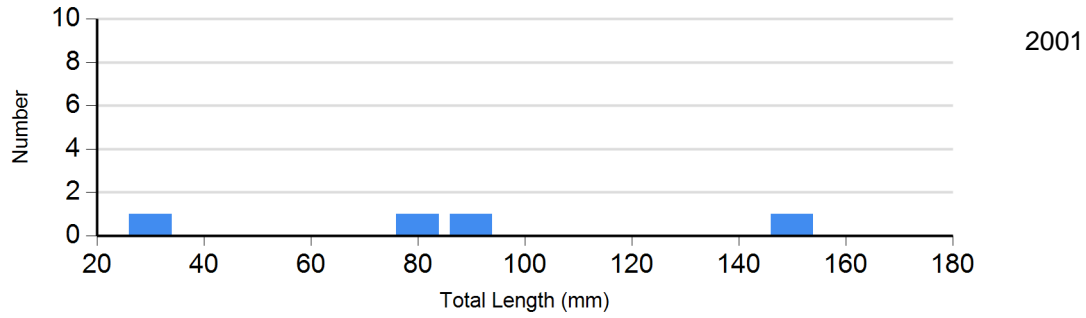
2001



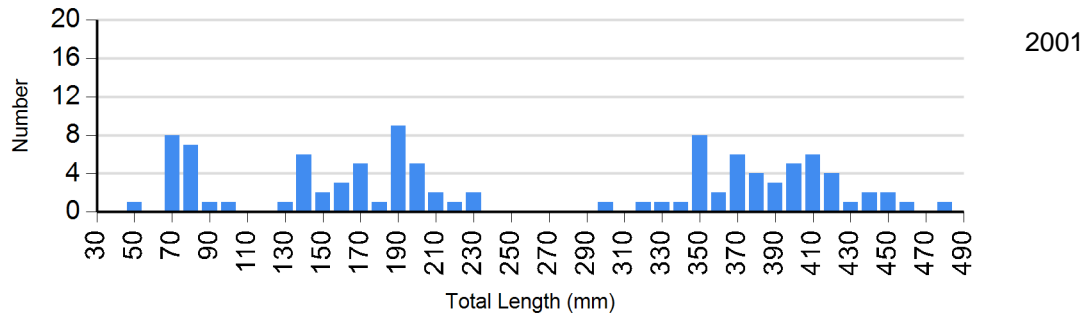
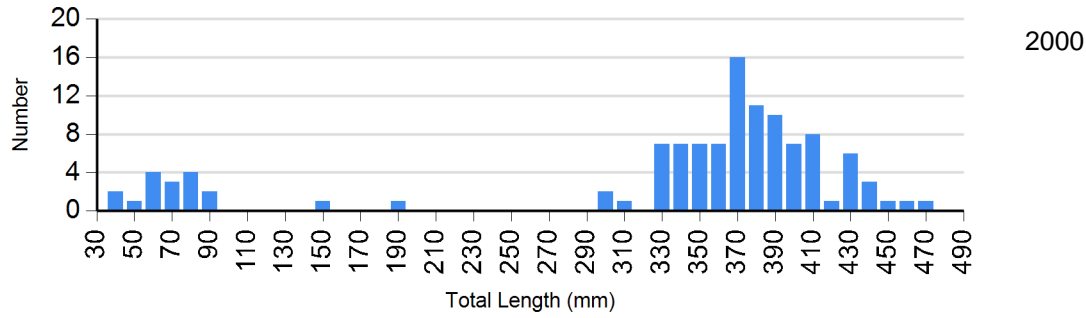
Site: 1418
Species: Brown Trout

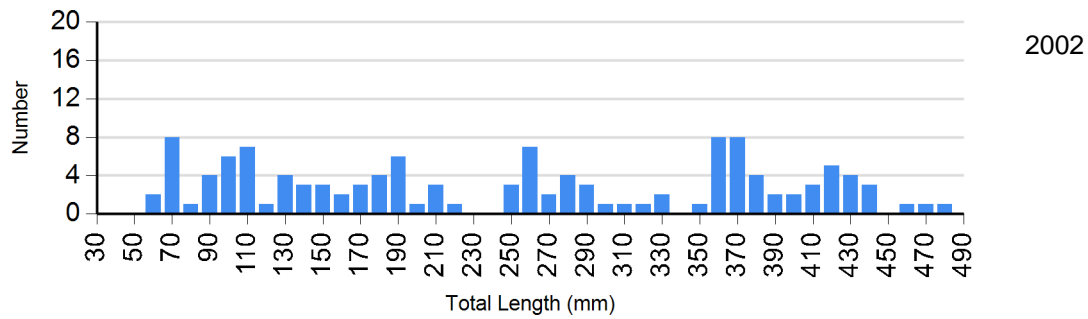


Site: 1418
Species: Rock Bass

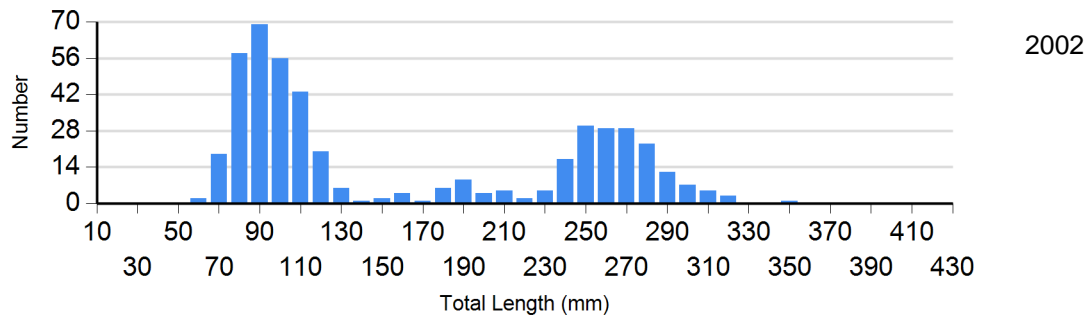
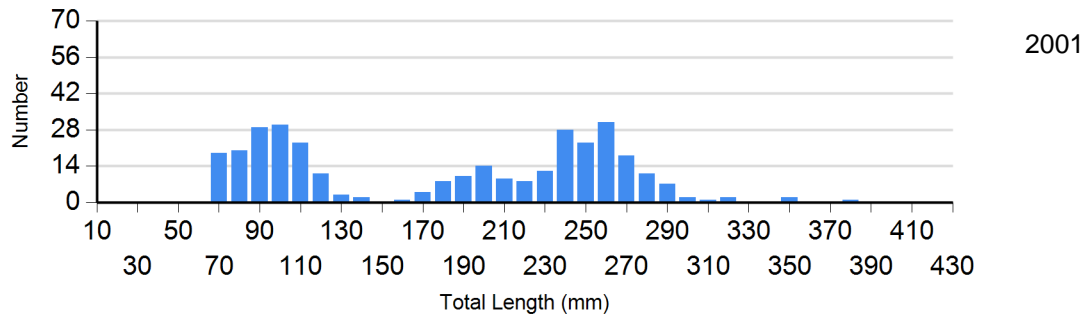
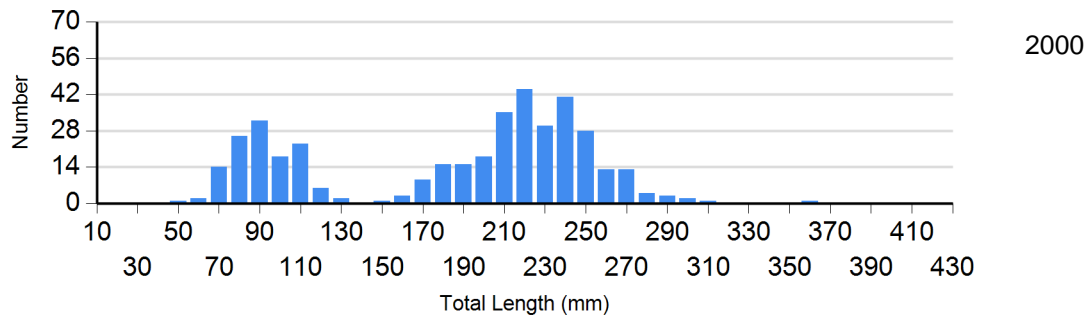


Site: 1418
Species: White Sucker

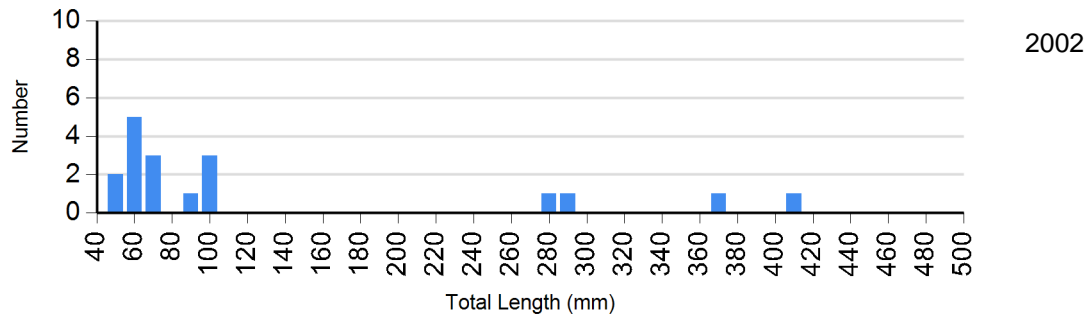
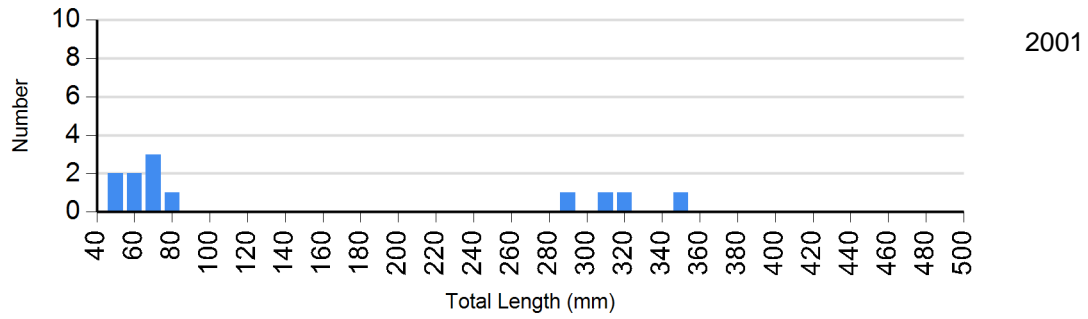
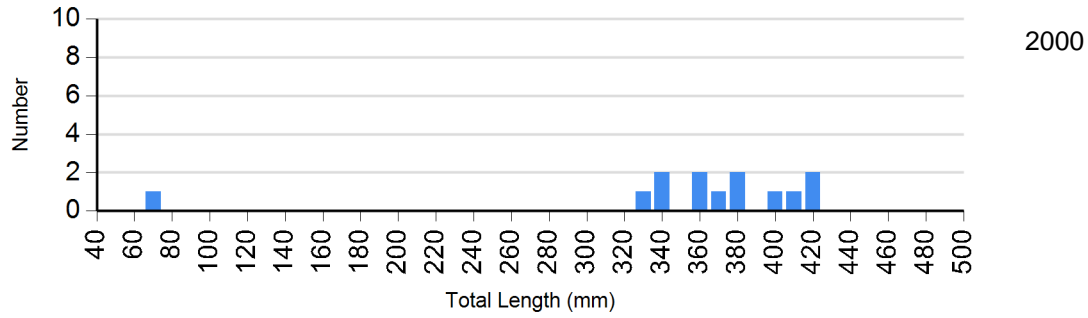




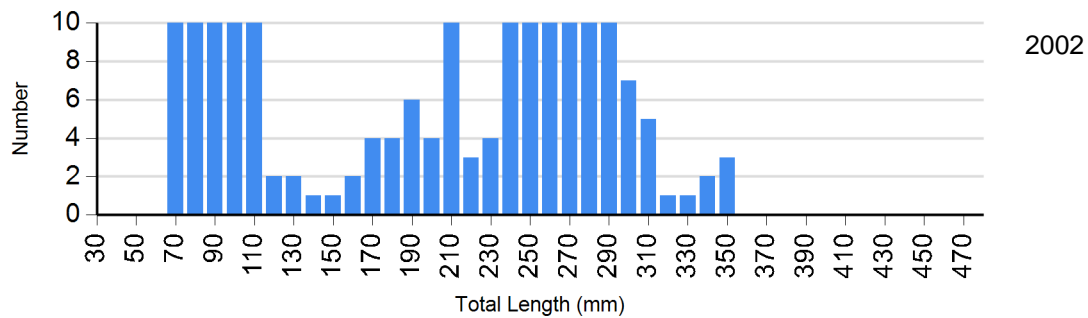
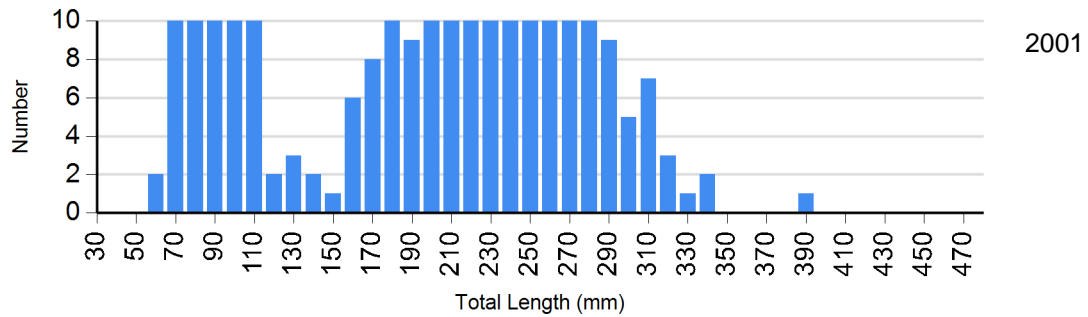
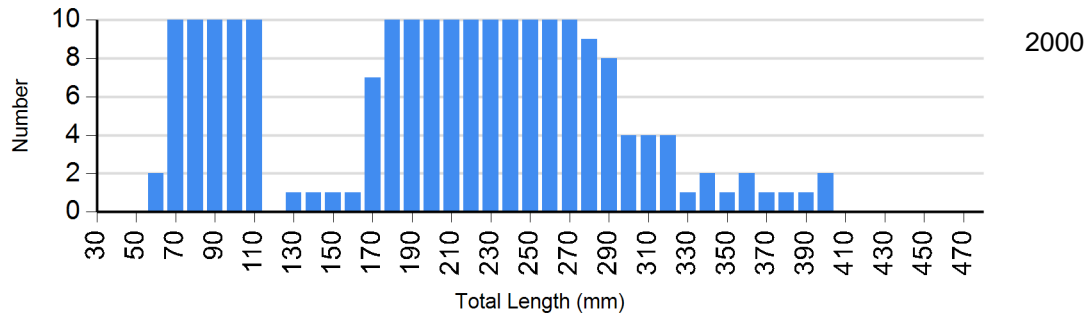
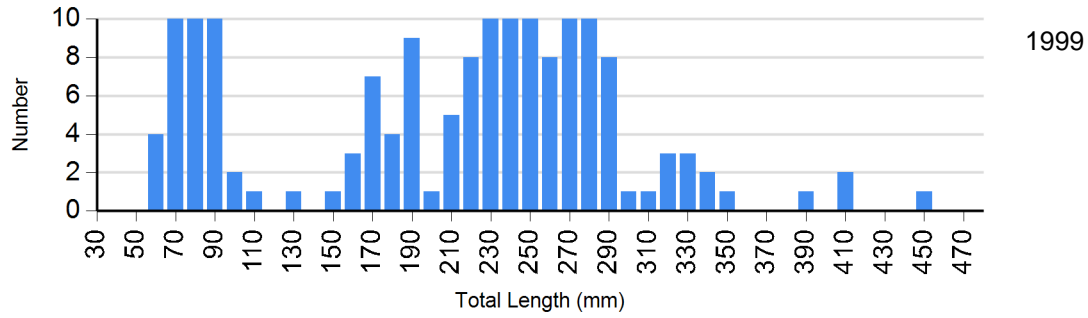
Site: 1420
Species: Brown Trout



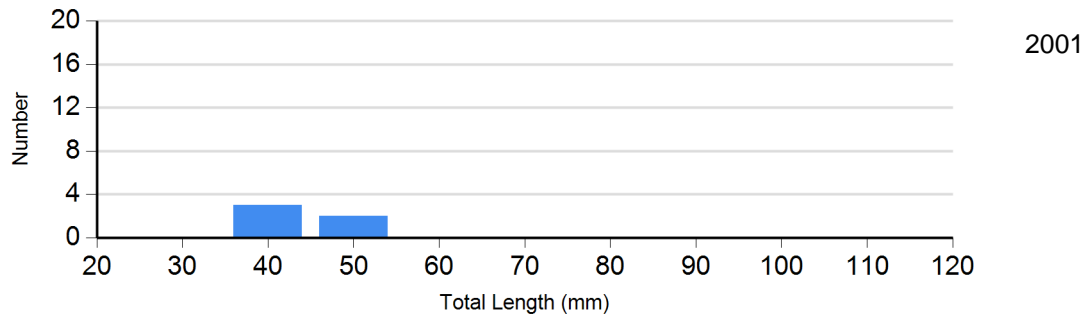
Site: 1420
Species: White Sucker



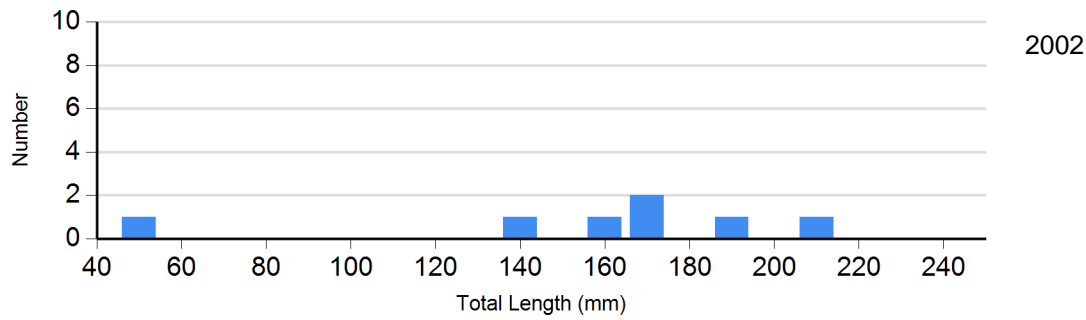
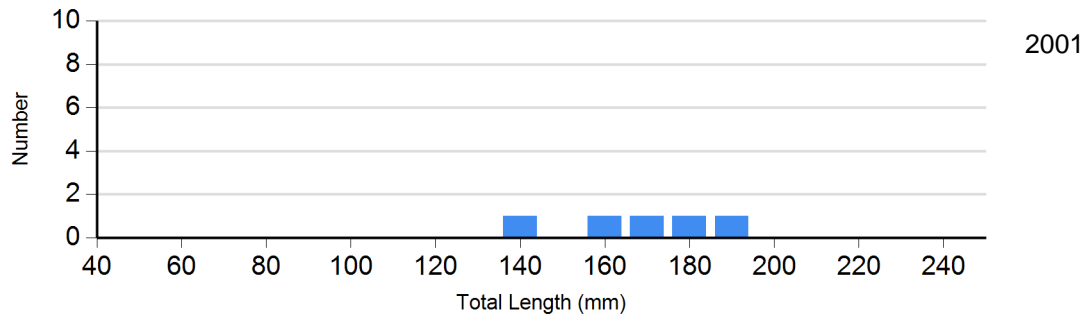
Site: 1434
Species: Brown Trout



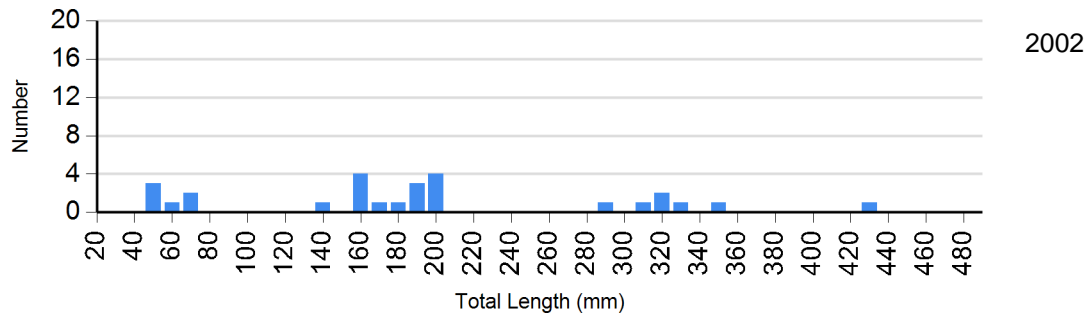
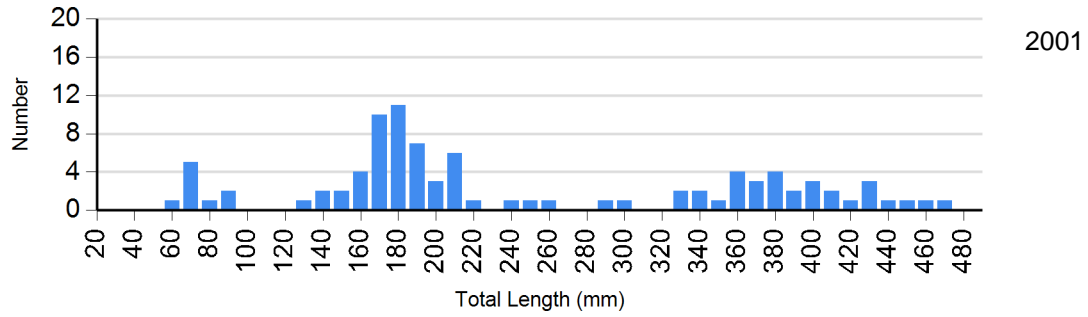
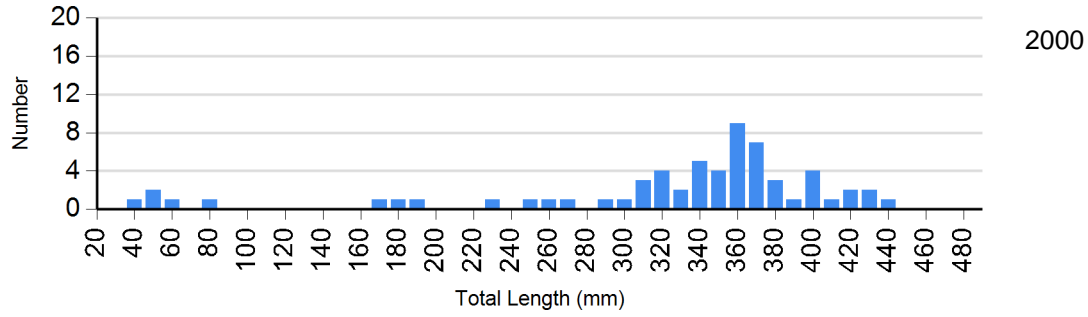
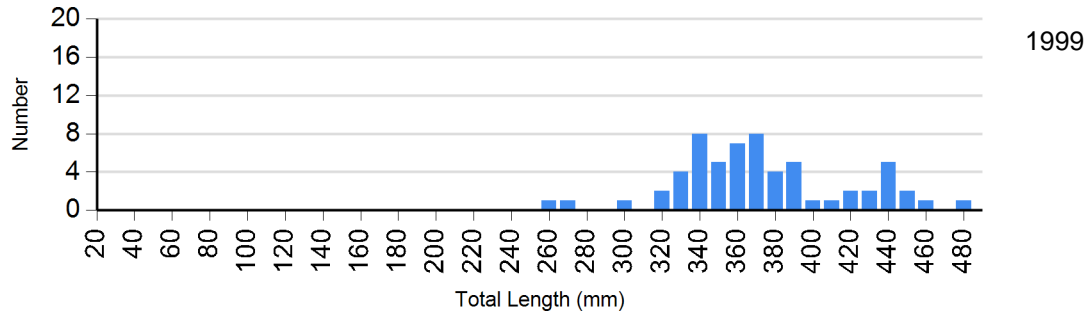
Site: 1434
Species: Longnose Dace



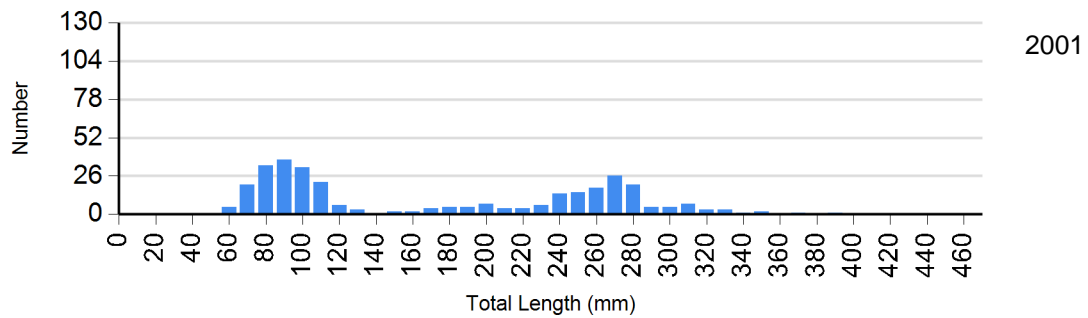
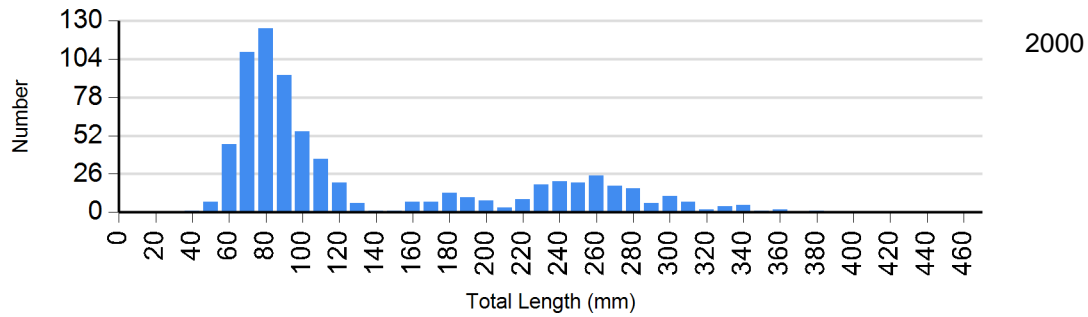
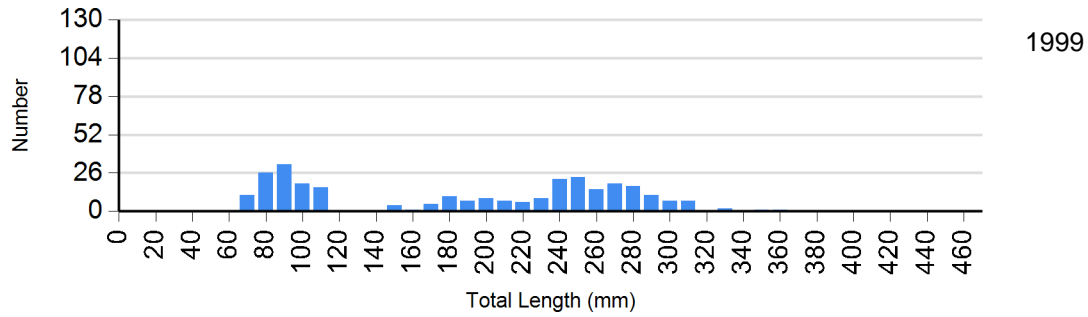
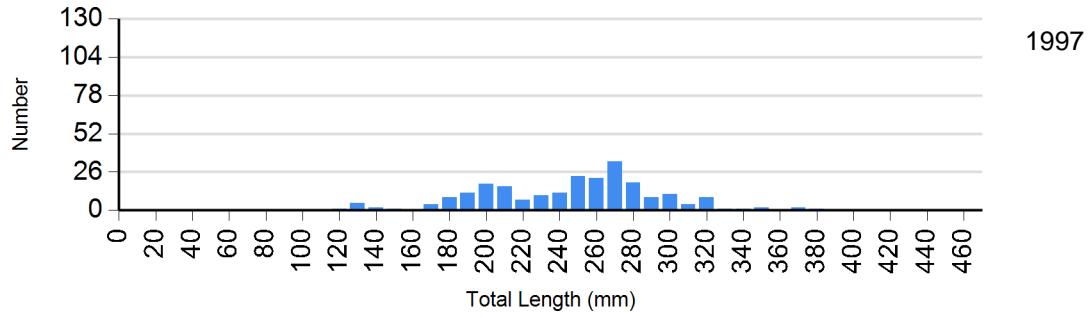
Site: 1434
Species: Rock Bass

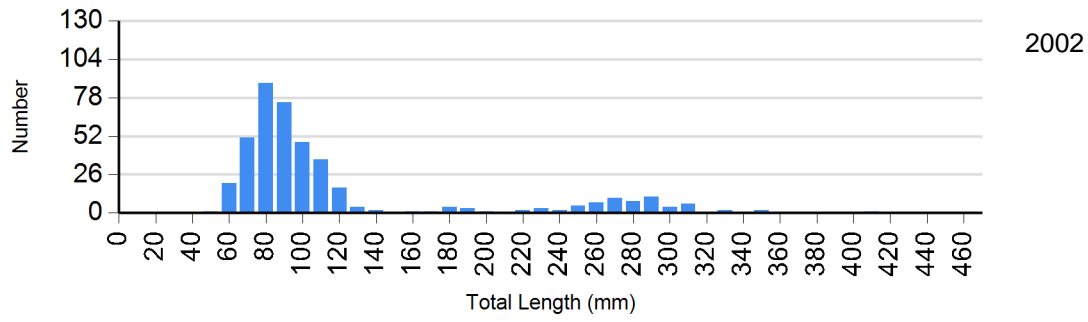


Site: 1434
Species: White Sucker

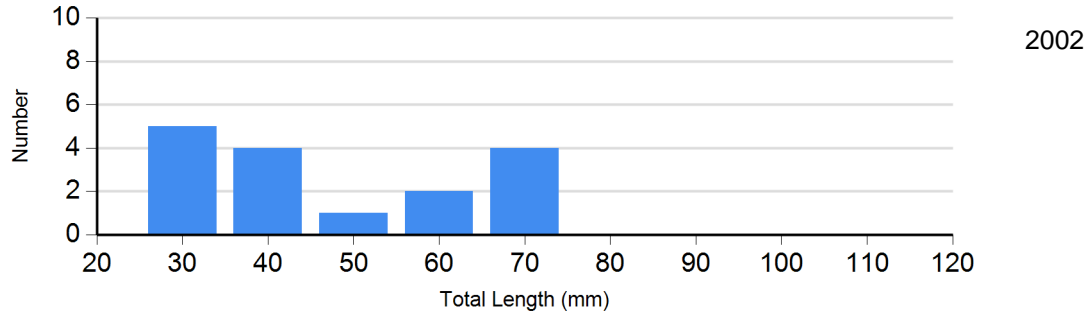


Site: 1444
Species: Brown Trout

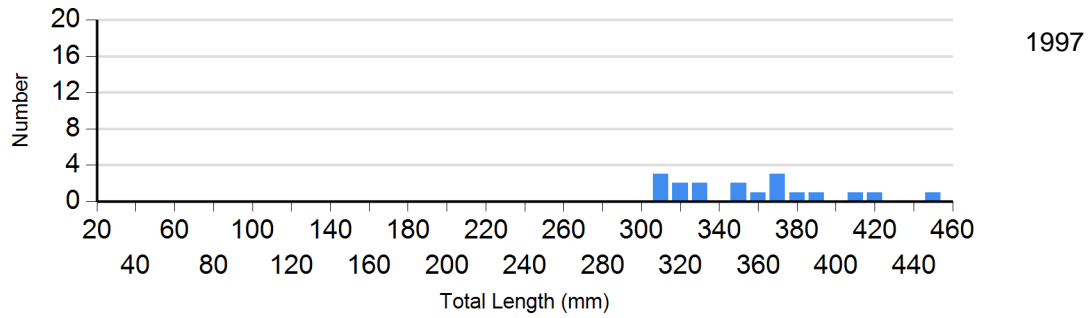


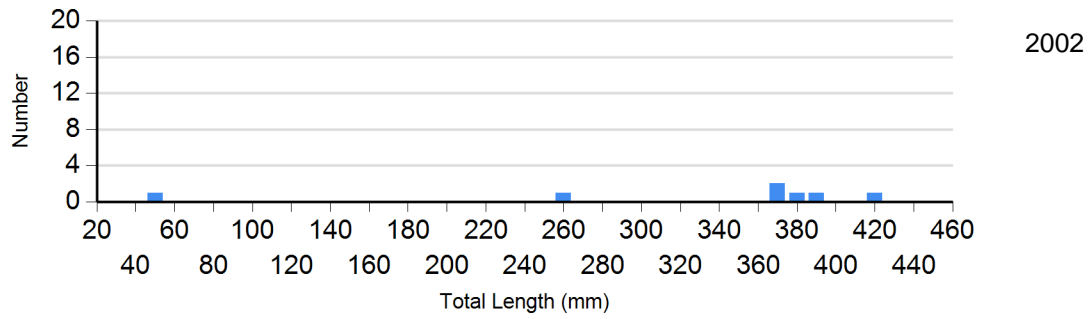
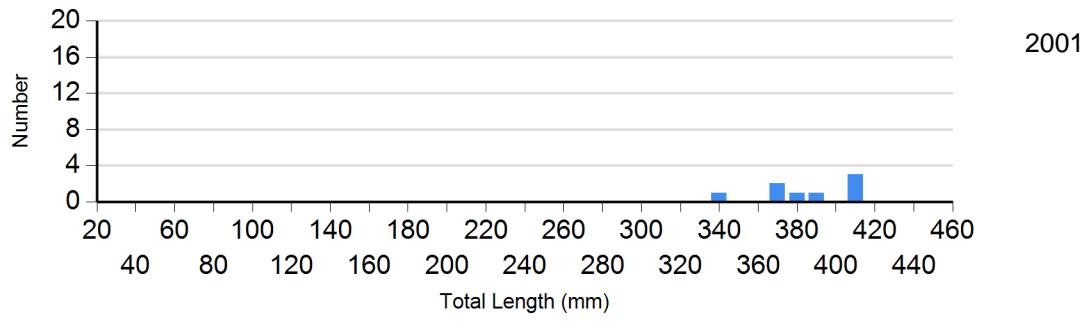
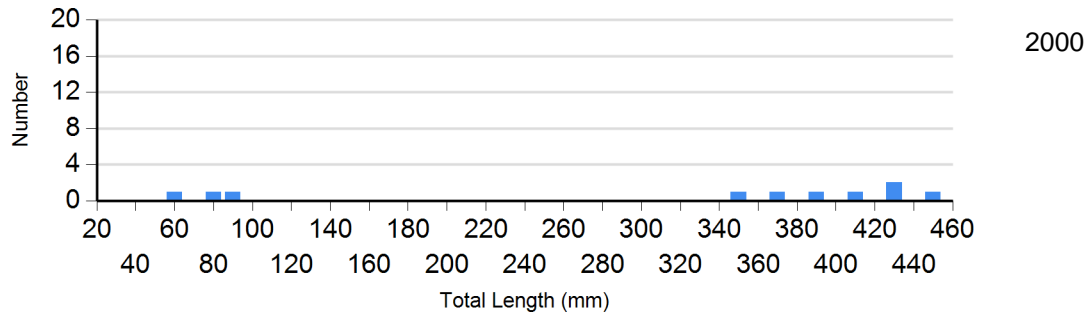
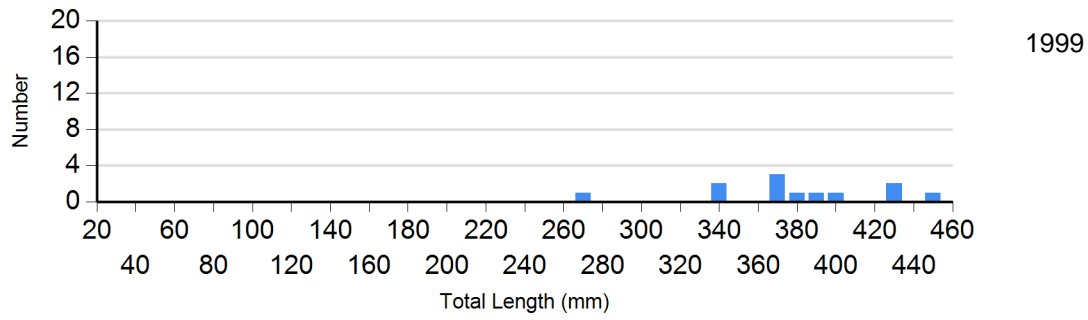


Site: 1444
Species: Longnose Dace

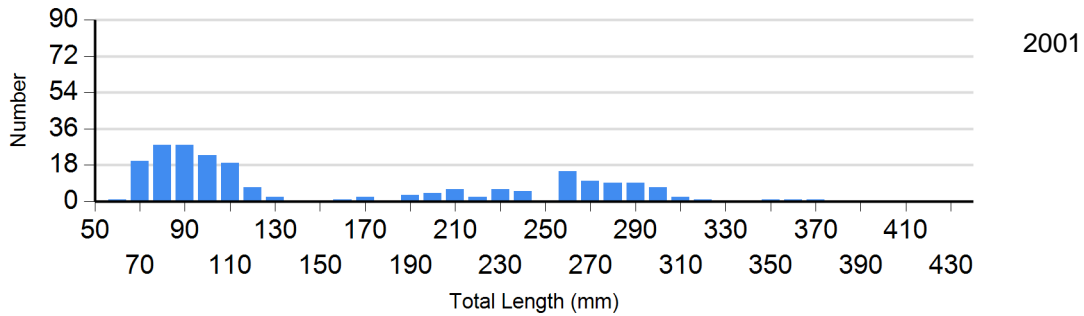
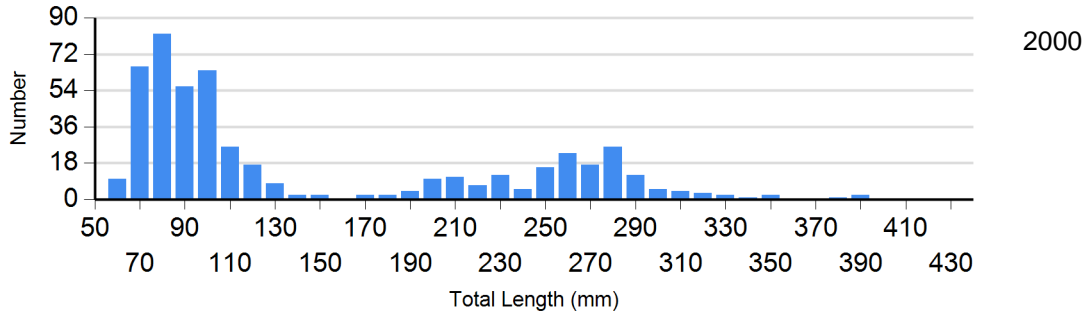
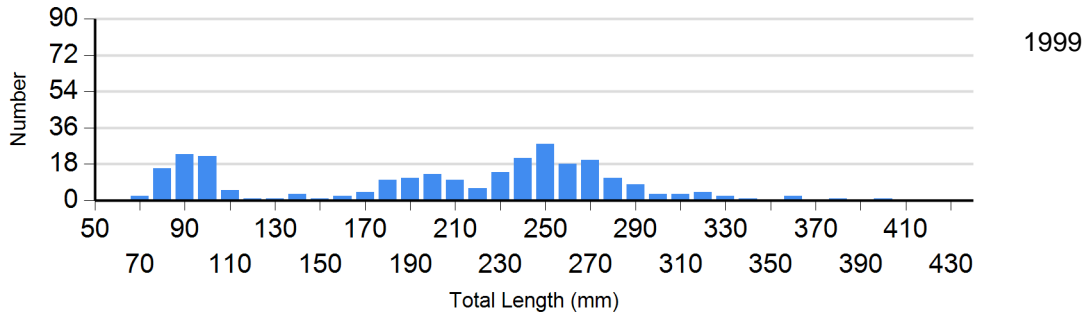
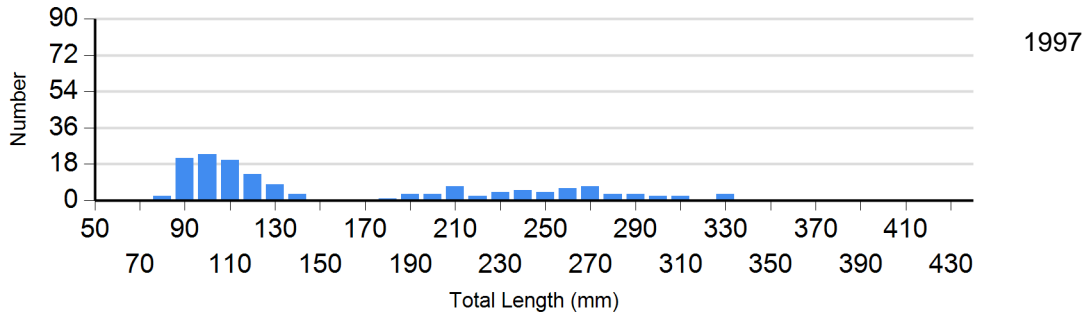


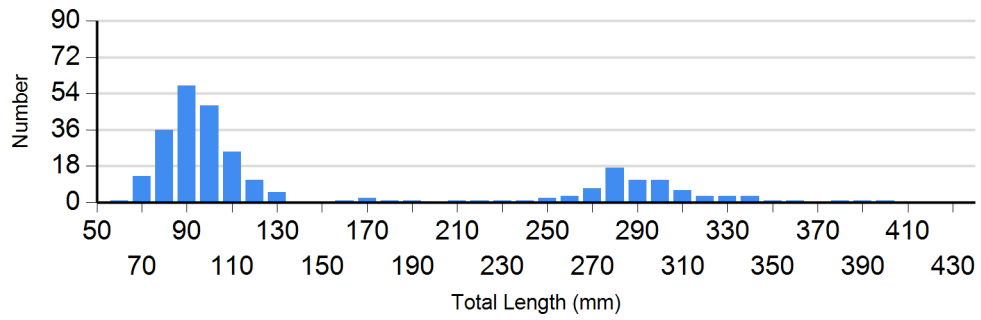
Site: 1444
Species: White Sucker



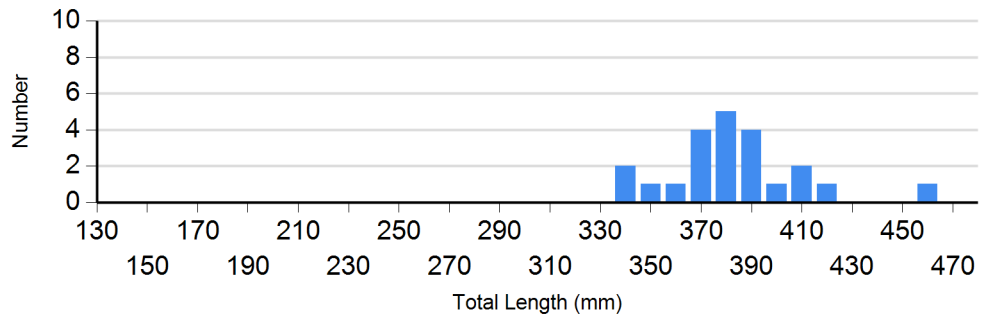
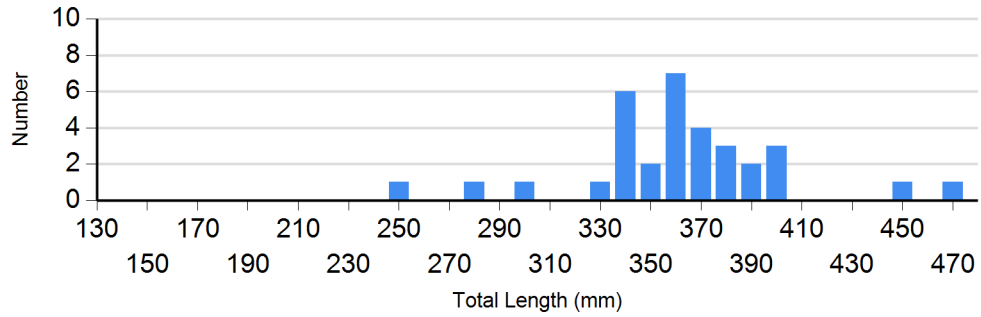
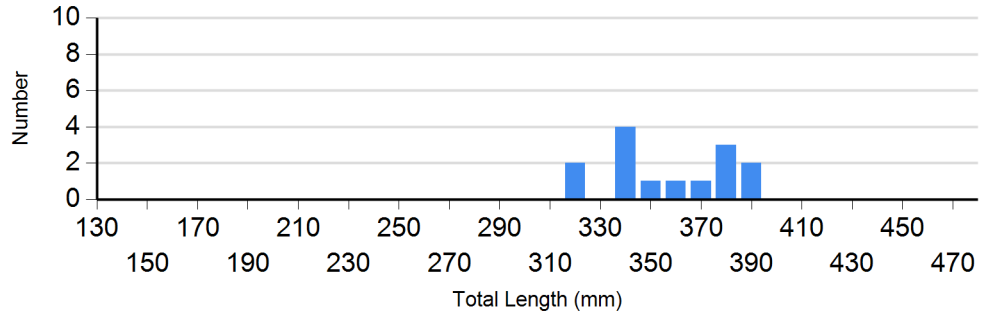


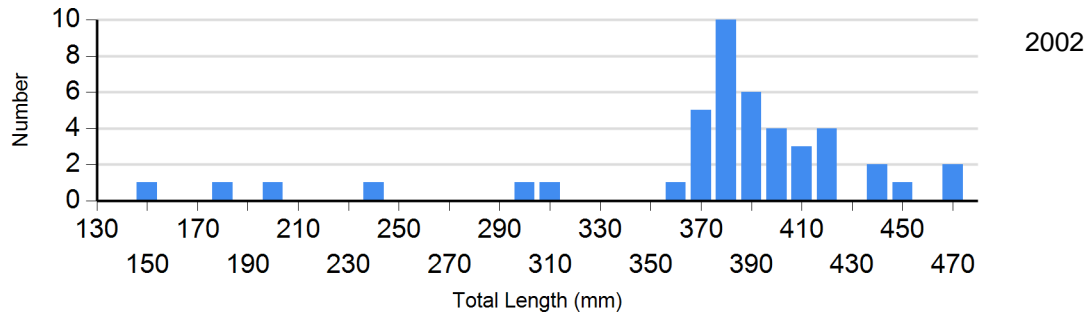
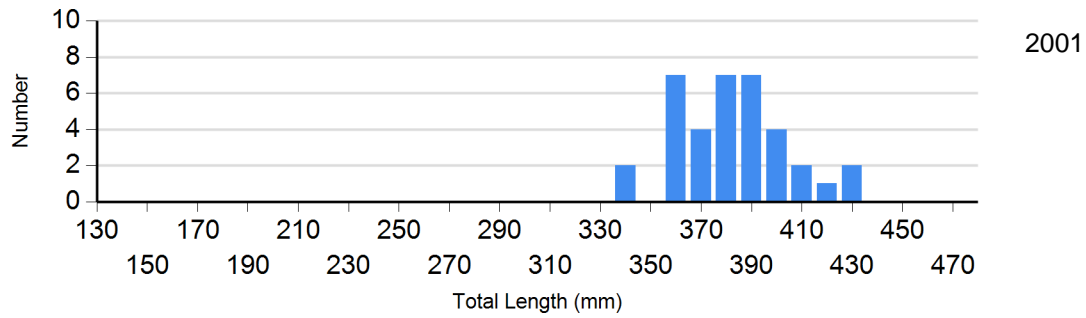
Site: 1449
Species: Brown Trout



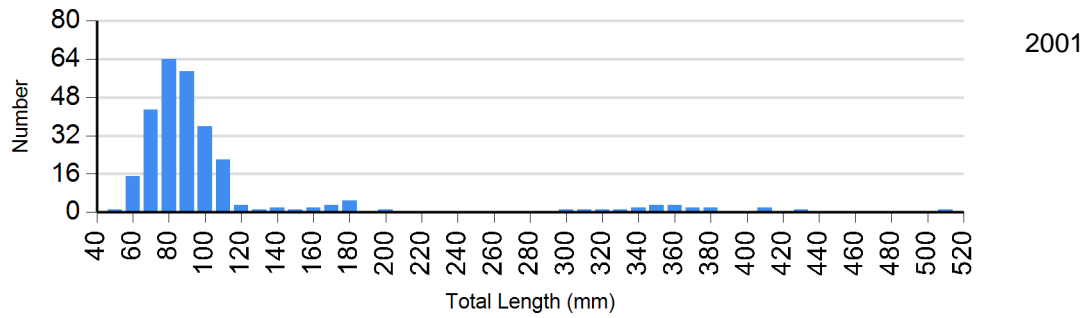
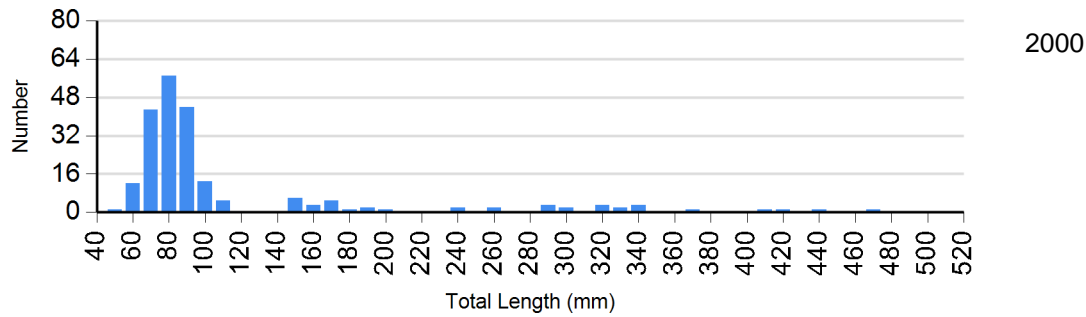


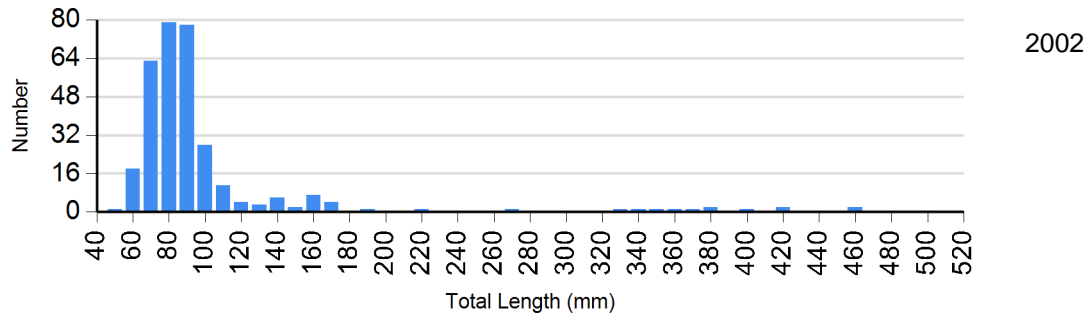
Site: 1449
Species: White Sucker



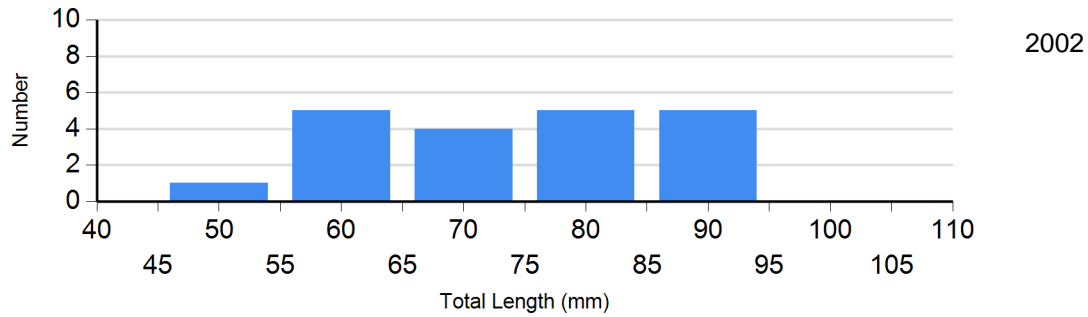
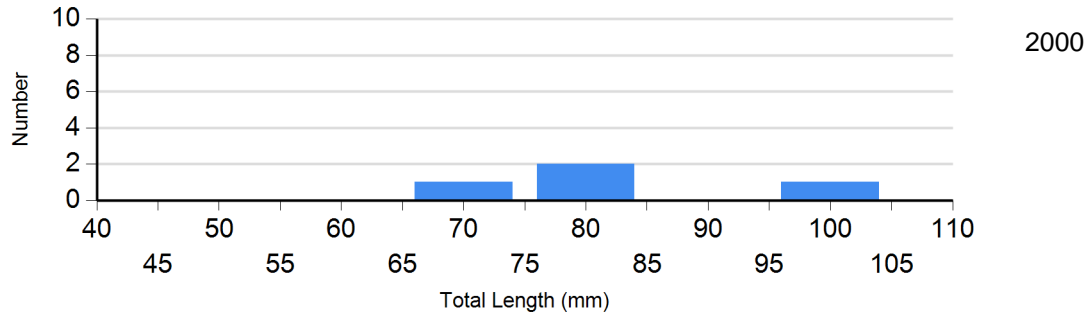


Site: 1468
Species: Brown Trout

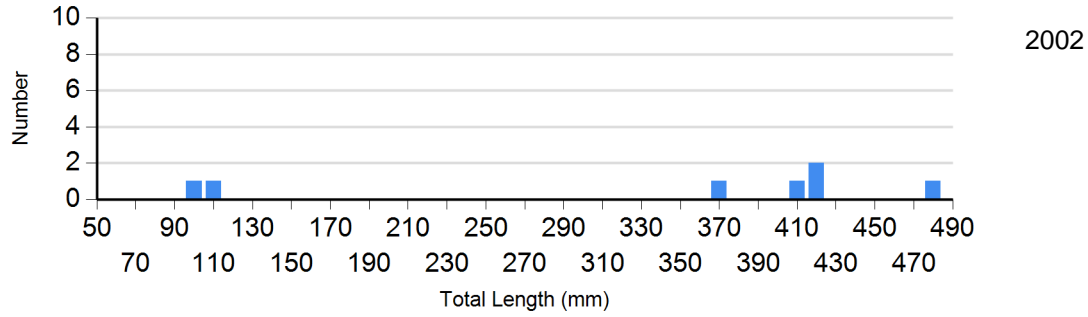
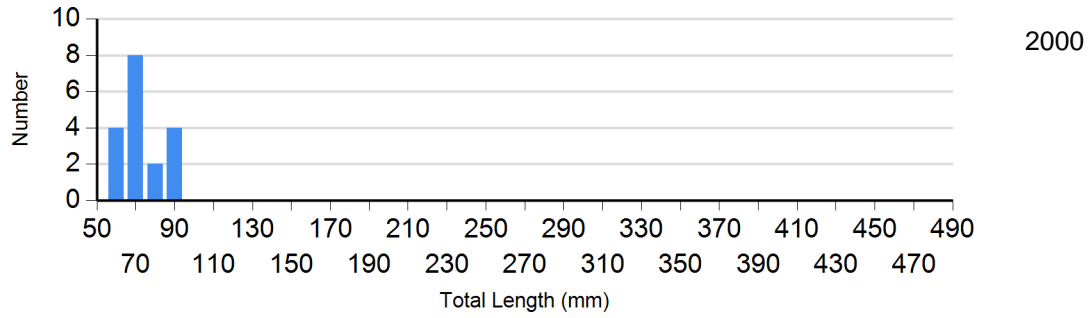




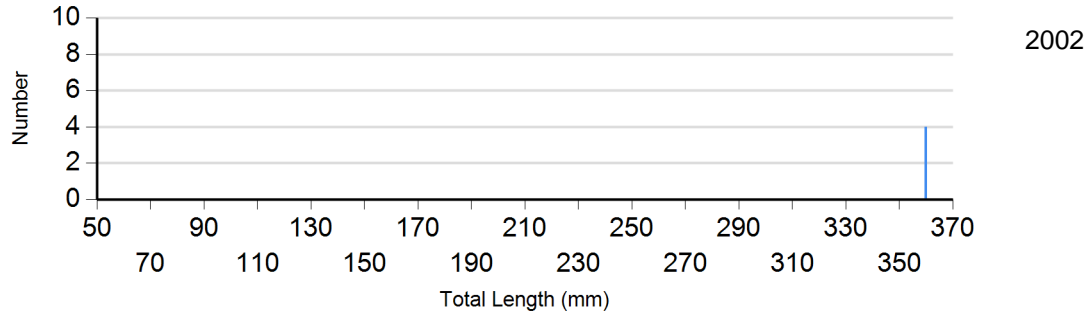
Site: 1468
Species: Longnose Dace



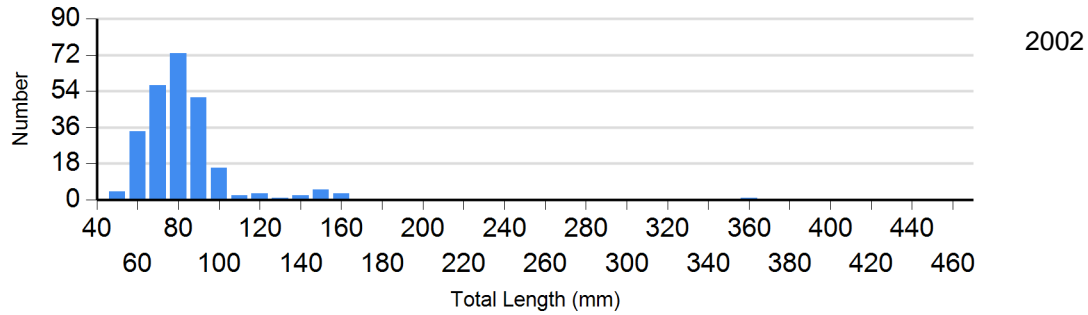
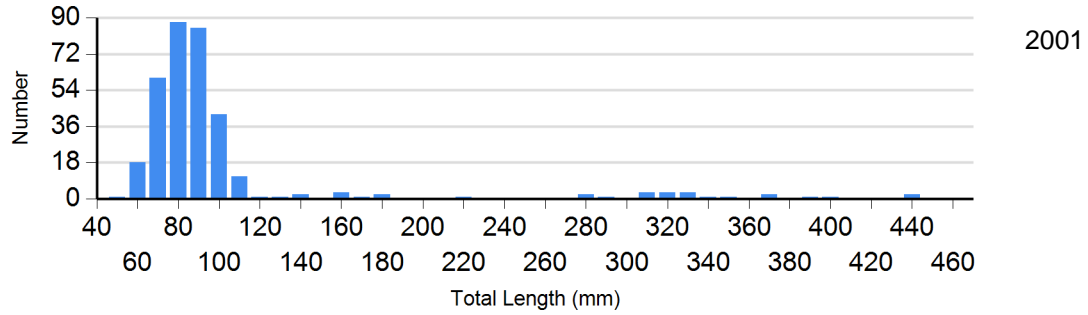
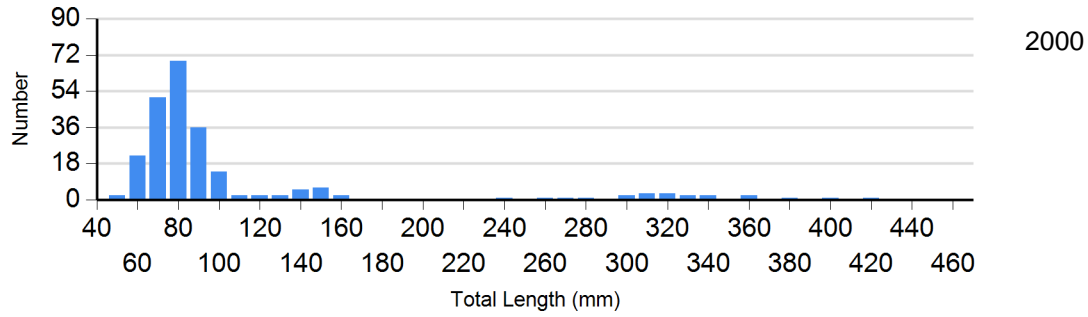
Site: 1468
Species: Rainbow Trout



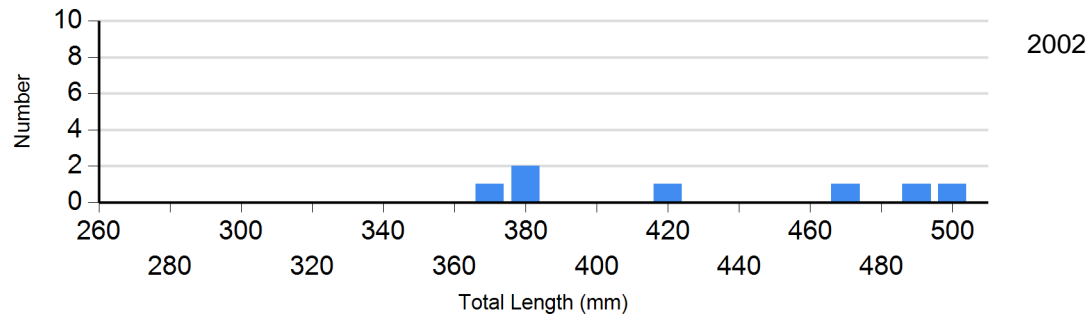
Site: 1468
Species: White Sucker



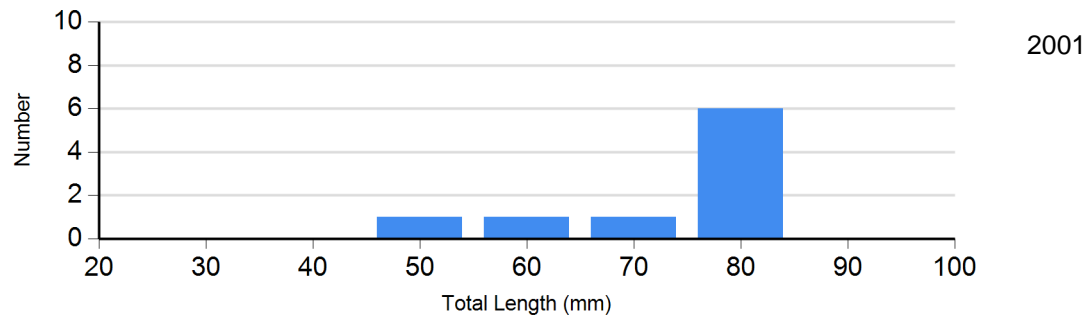
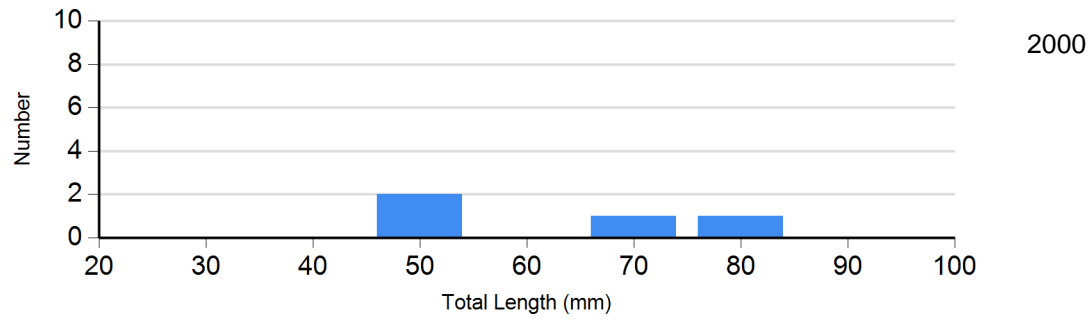
Site: 1470
Species: Brown Trout

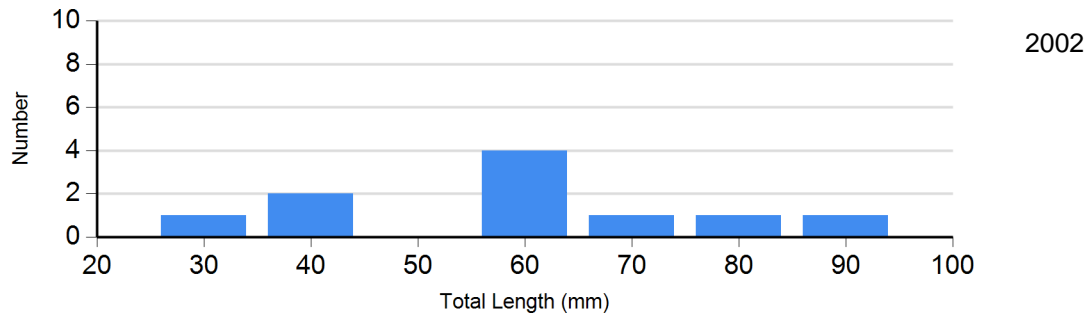


Site: 1470
Species: Hatchery Rainbow Trout

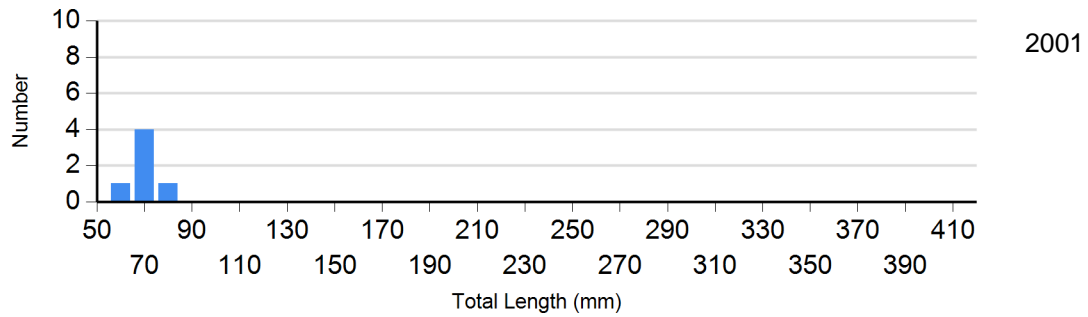
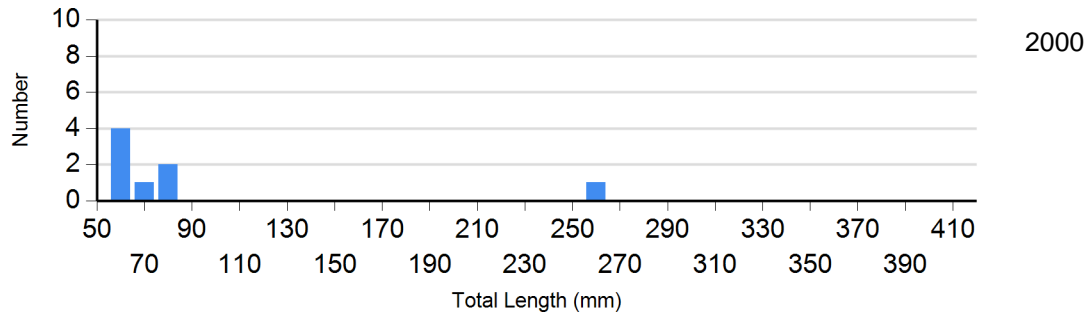


Site: 1470
Species: Longnose Dace

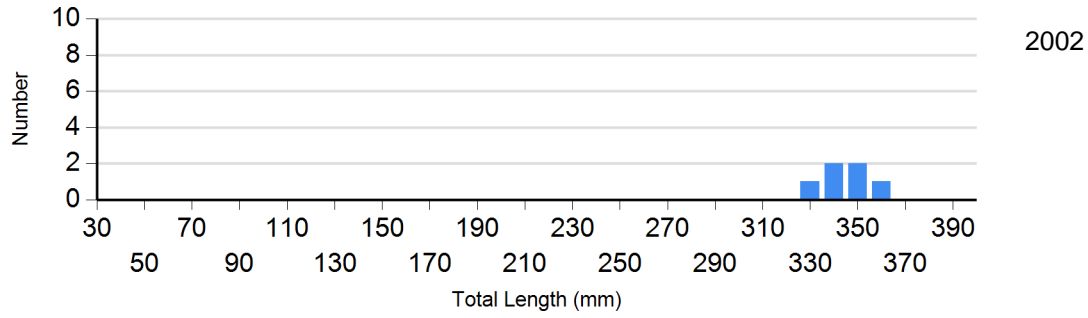




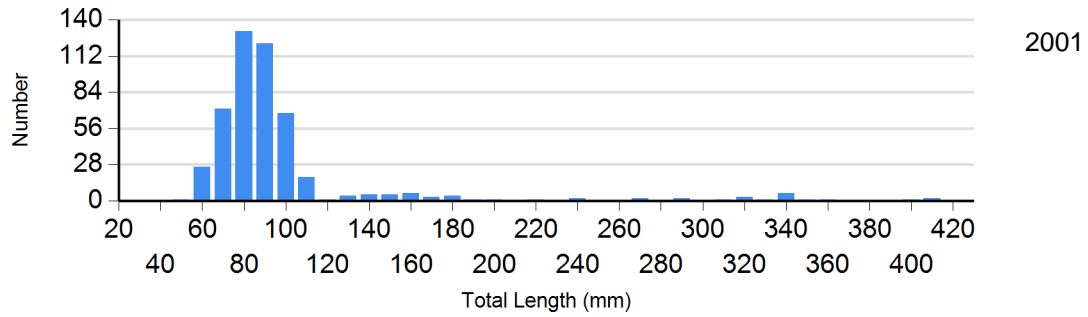
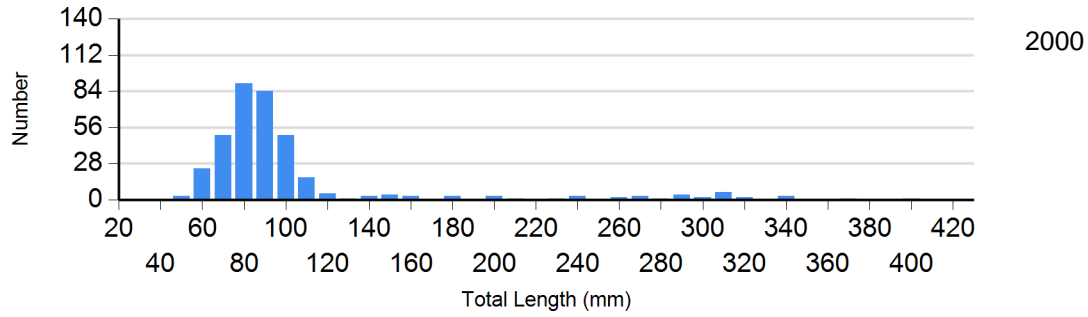
Site: 1470
Species: Rainbow Trout

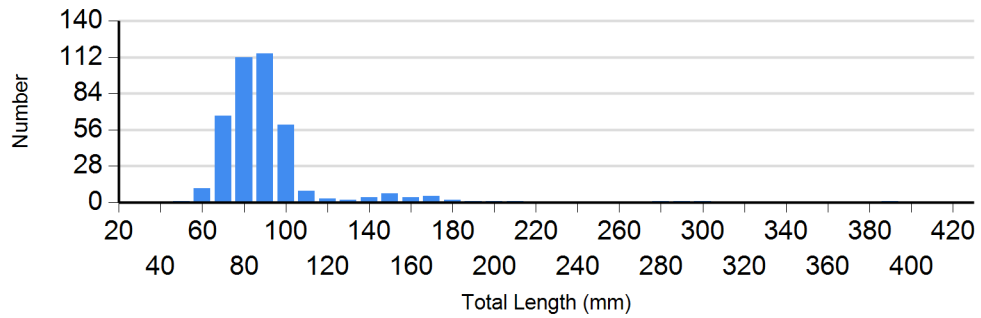


Site: 1470
Species: White Sucker

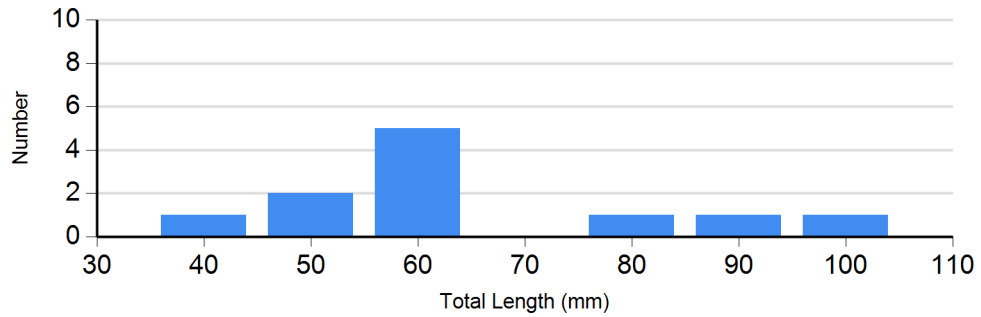


Site: 1475
Species: Brown Trout

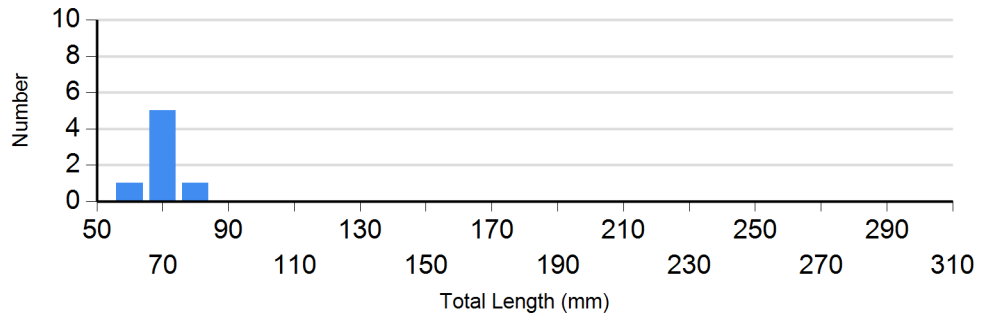


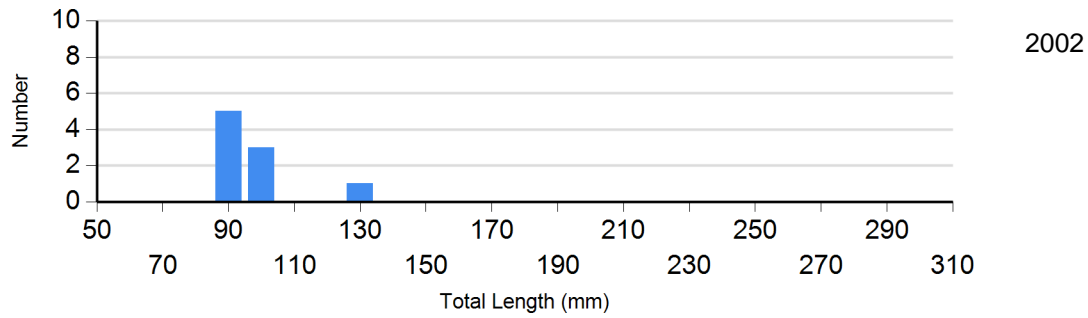


Site: 1475
Species: Longnose Dace

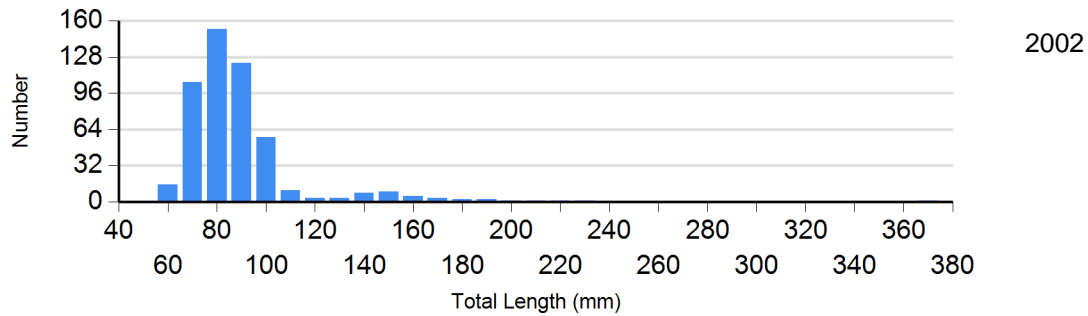
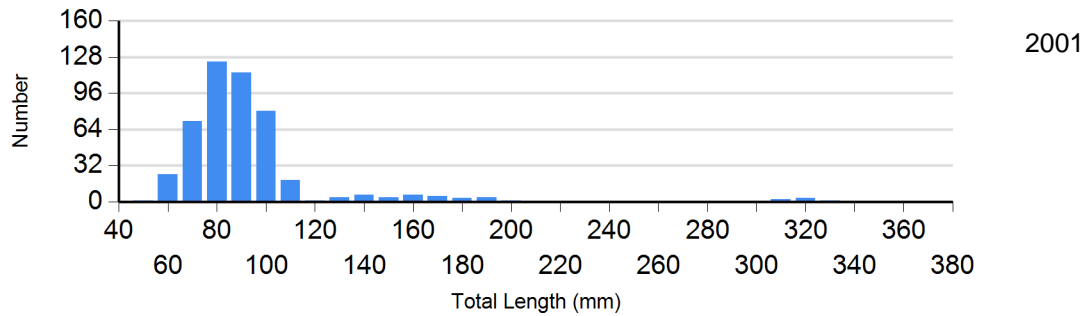
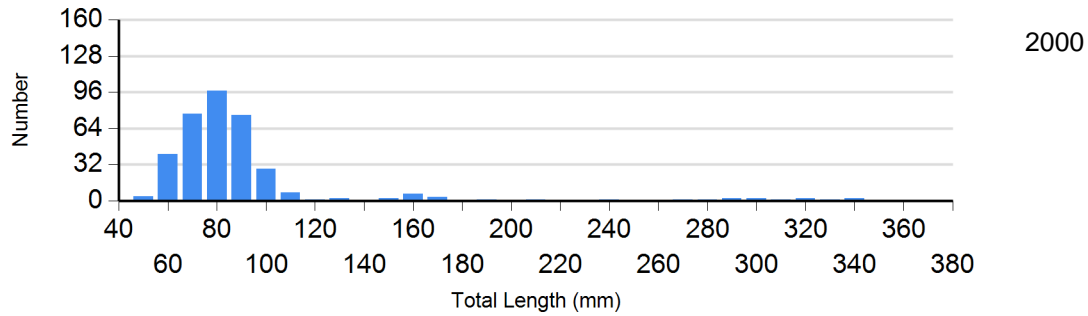


Site: 1475
Species: Rainbow Trout

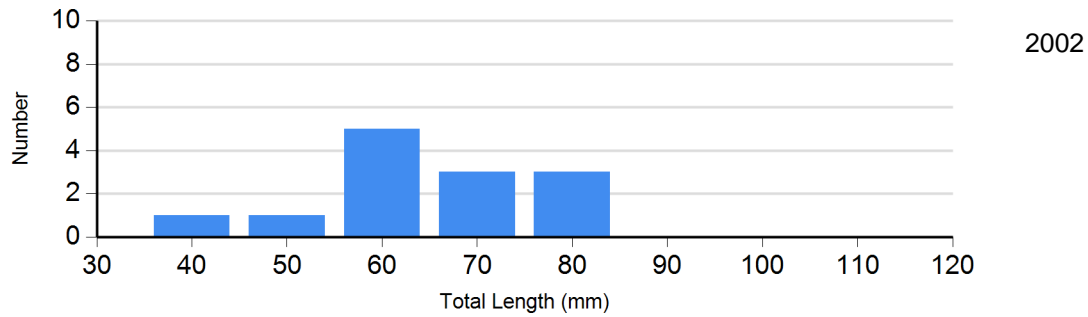
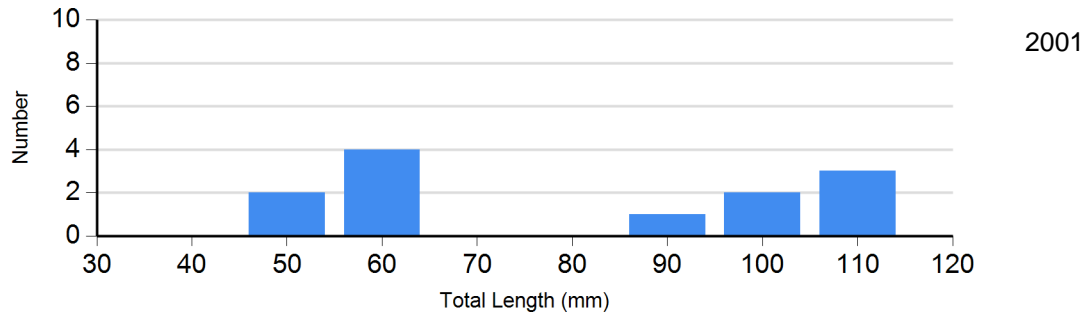
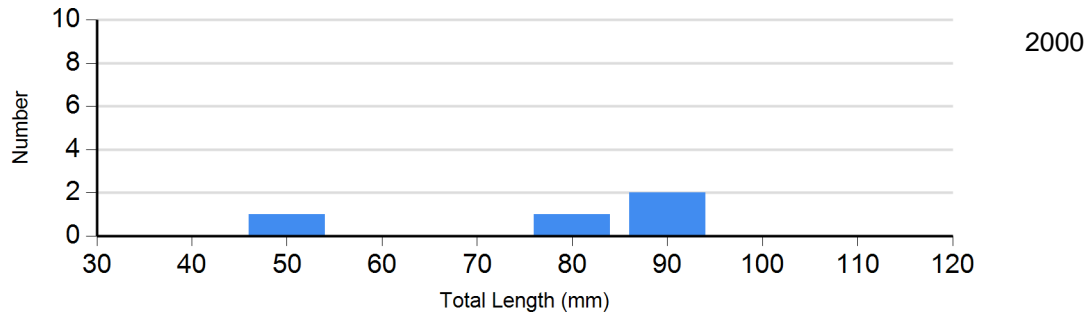




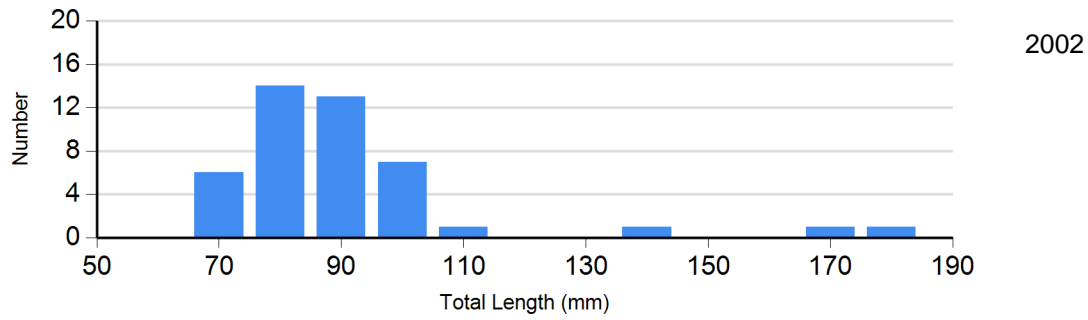
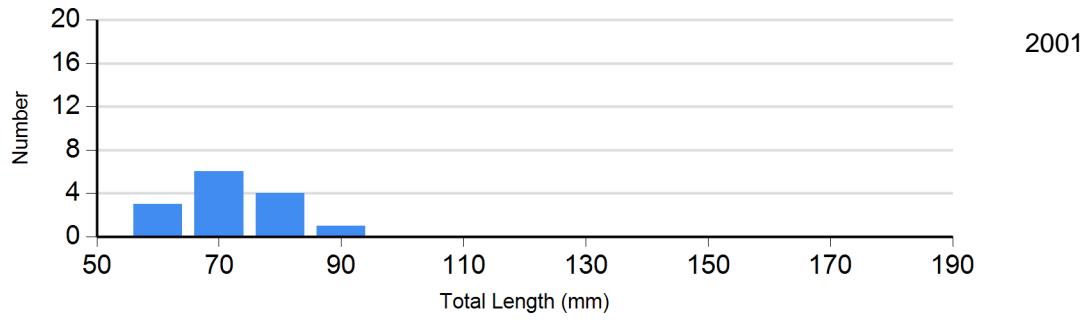
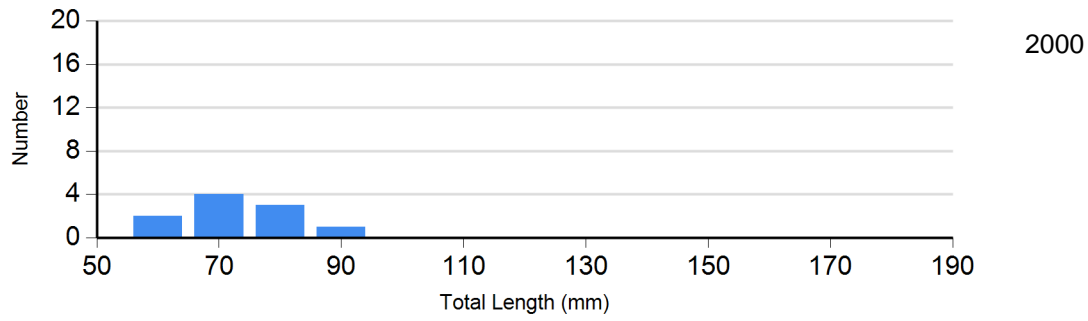
Site: 1476
Species: Brown Trout



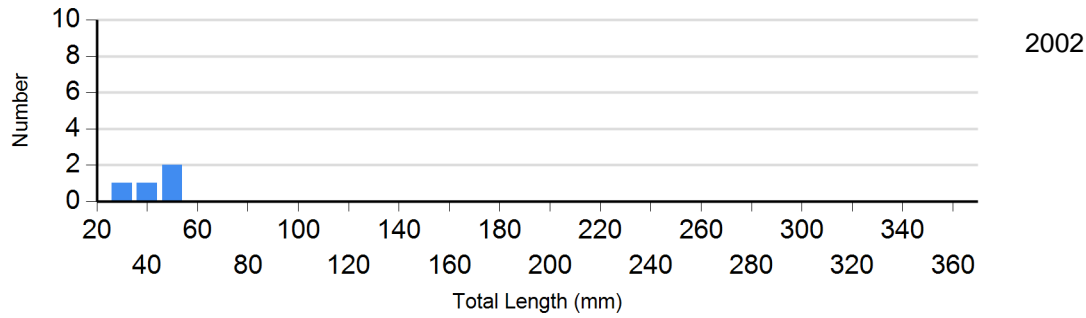
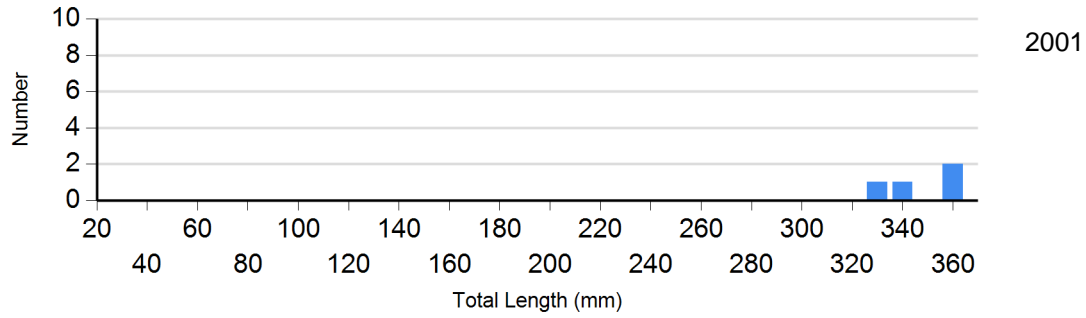
Site: 1476
Species: Longnose Dace



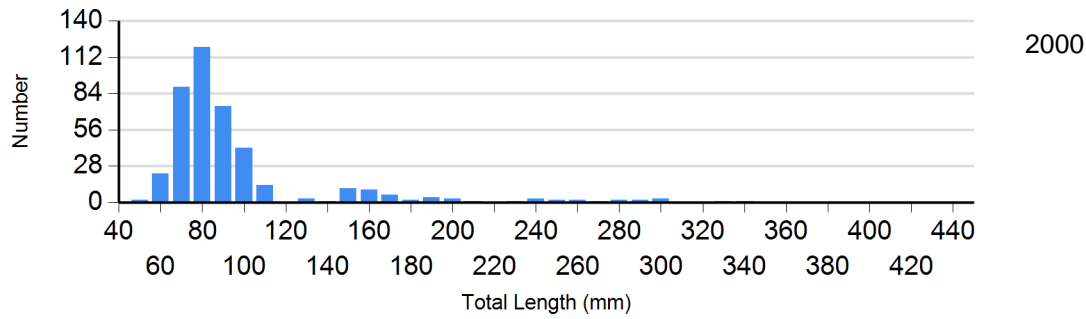
Site: 1476
Species: Rainbow Trout

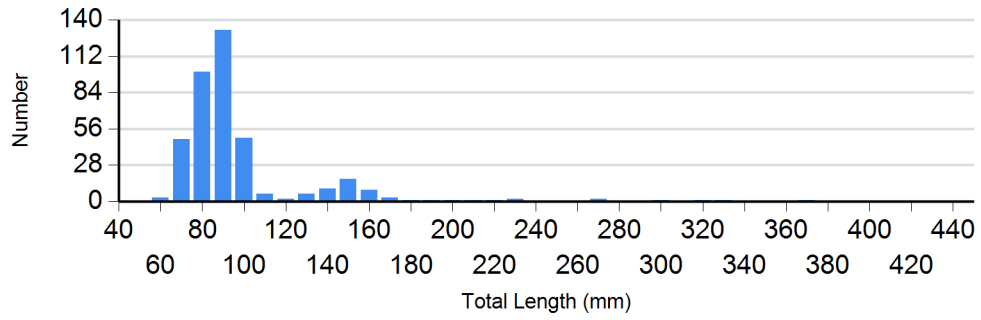
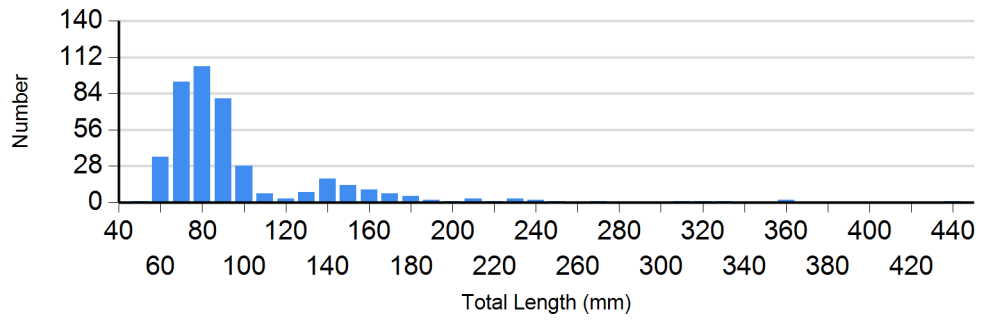


Site: 1476
Species: White Sucker

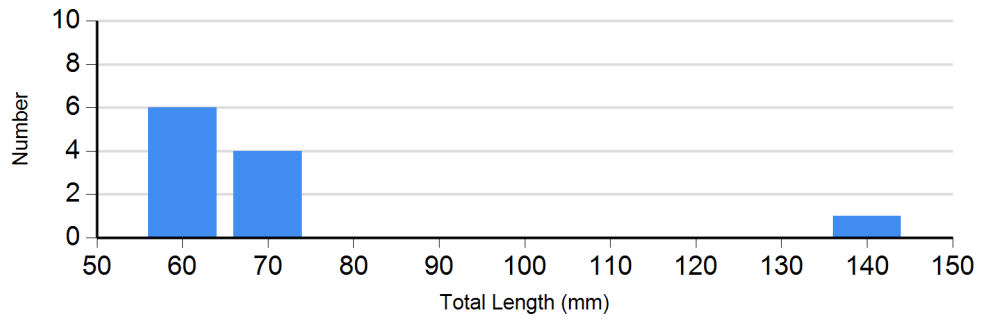


Site: 1483
Species: Brown Trout

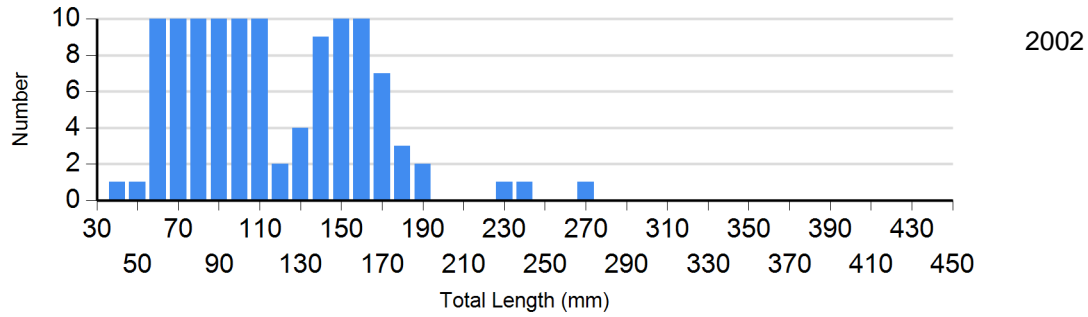
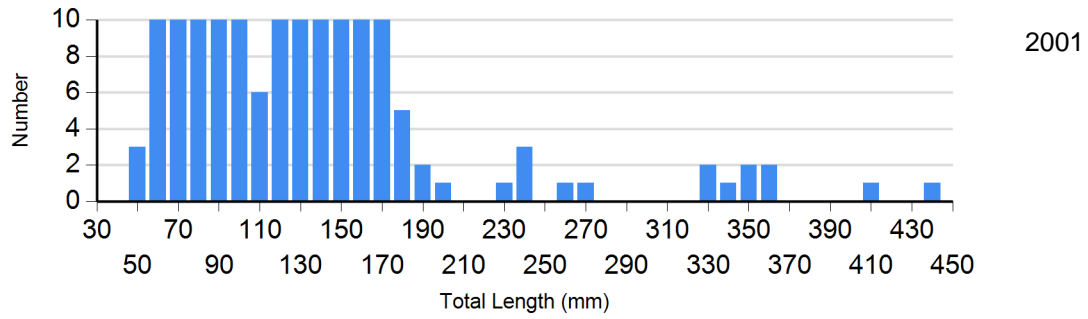
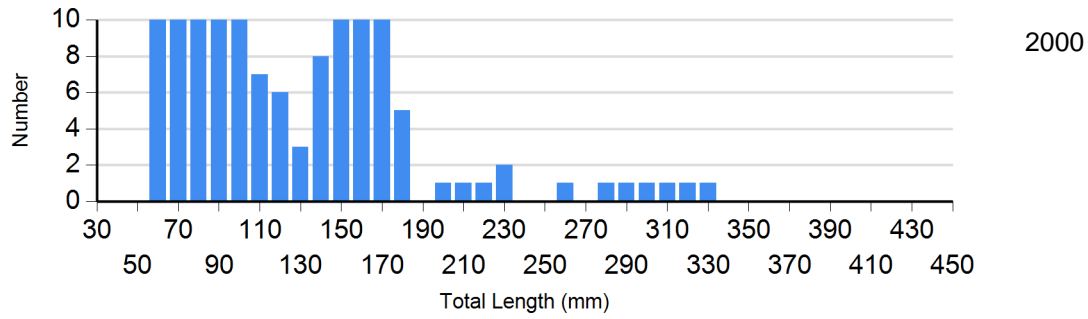




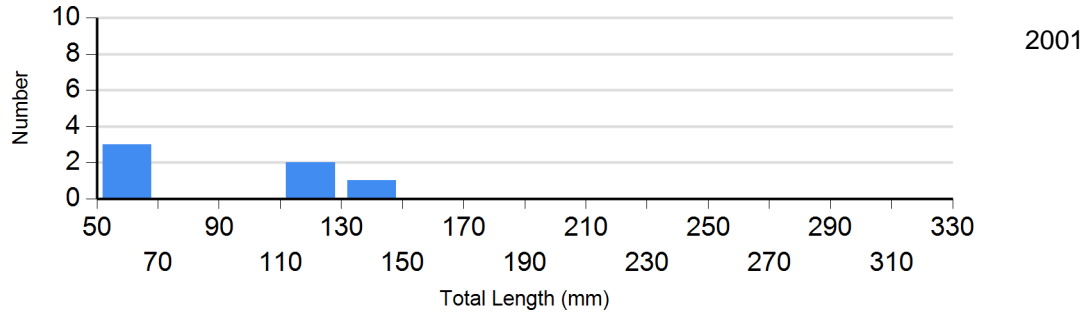
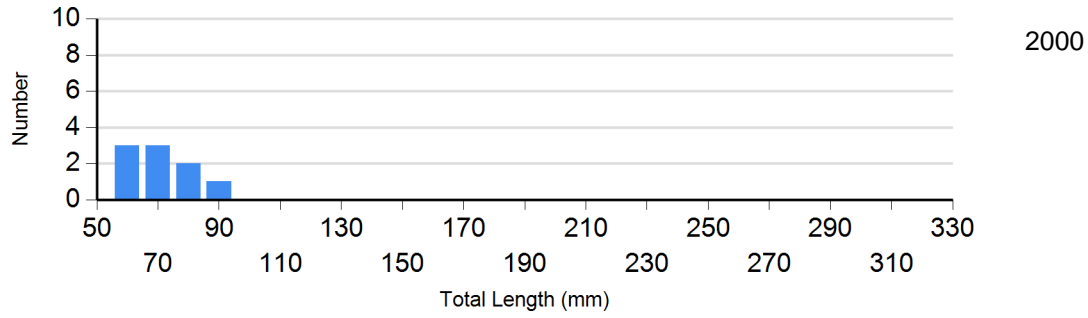
Site: 1483
Species: Rainbow Trout



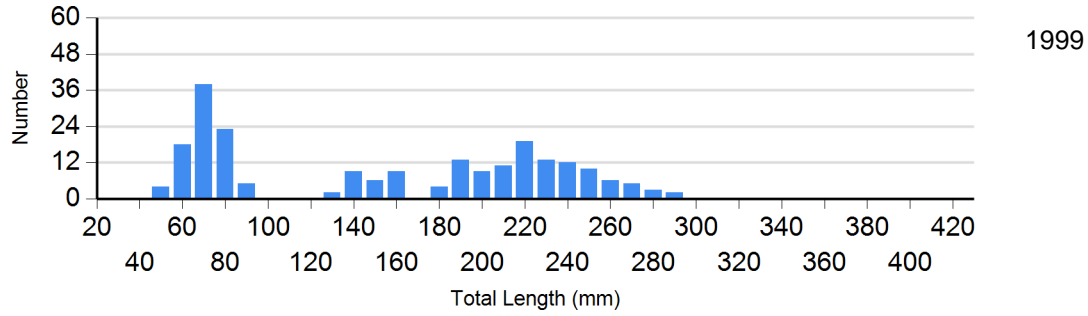
Site: 1484
Species: Brown Trout

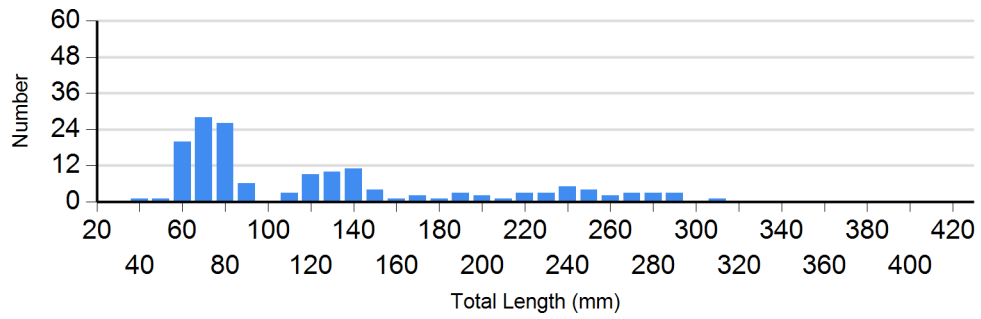
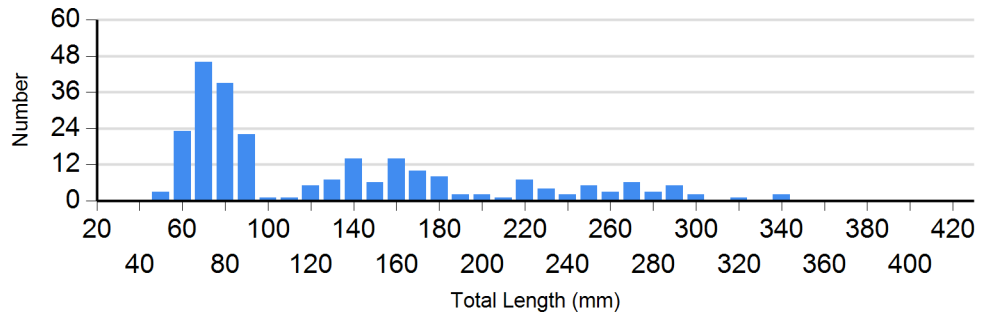
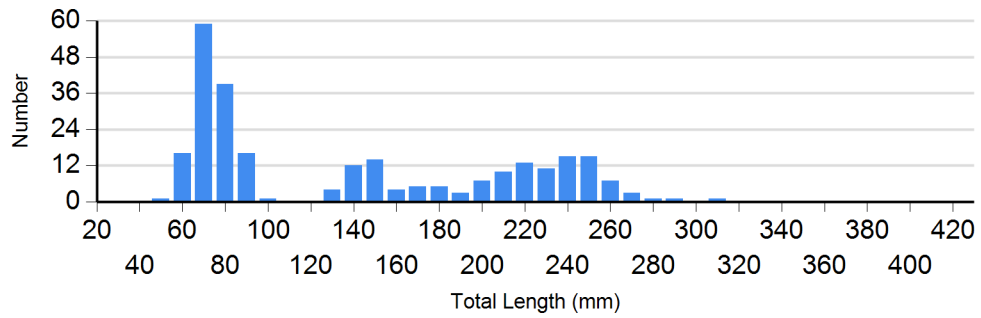


Site: 1484
Species: Rainbow Trout

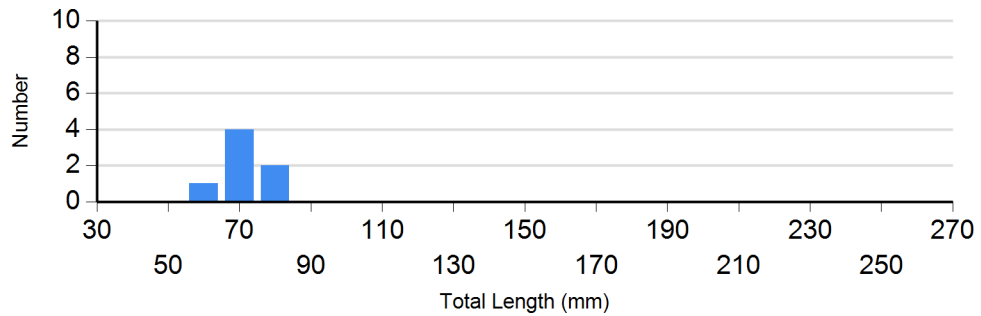


Site: 1656
Species: Brown Trout

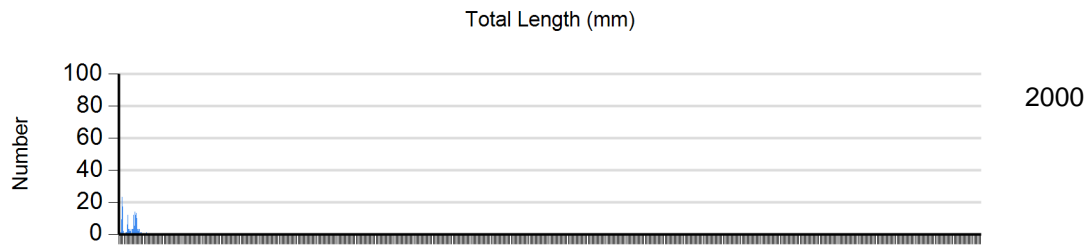
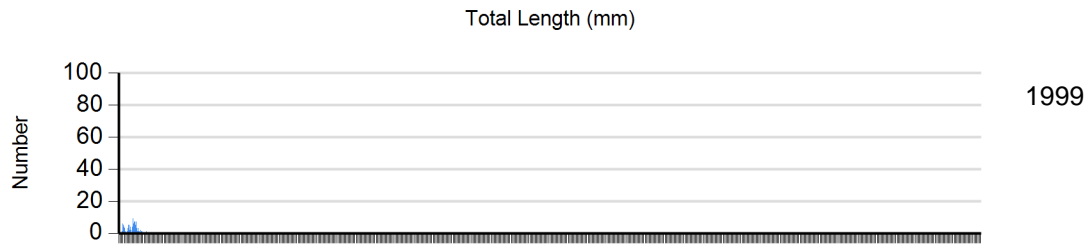
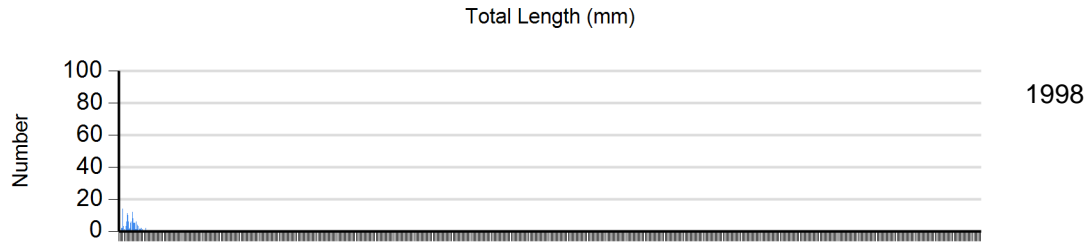
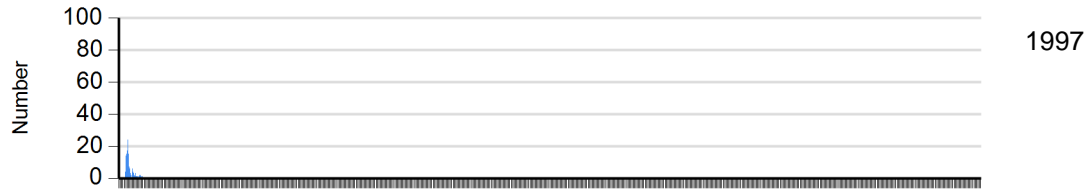




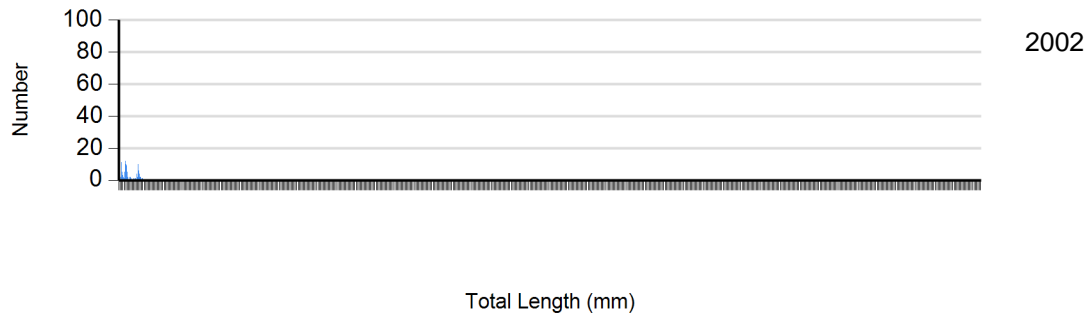
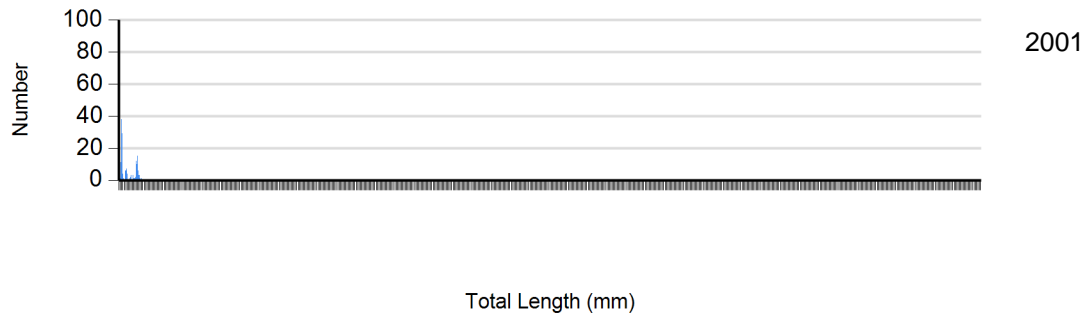
Site: 1833
Species: Brook Trout



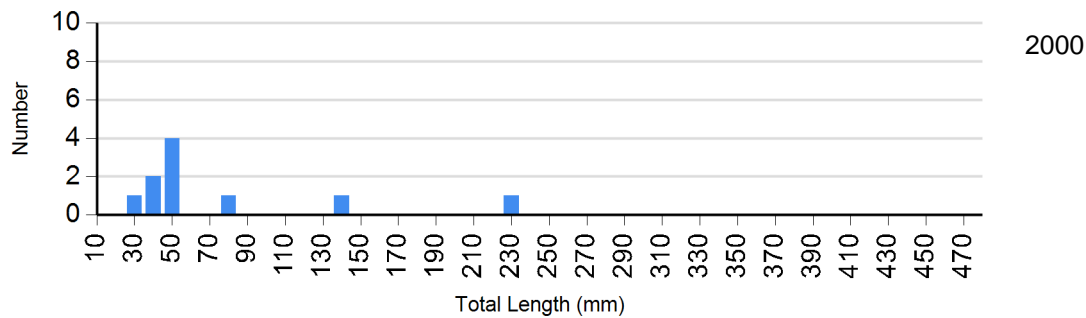
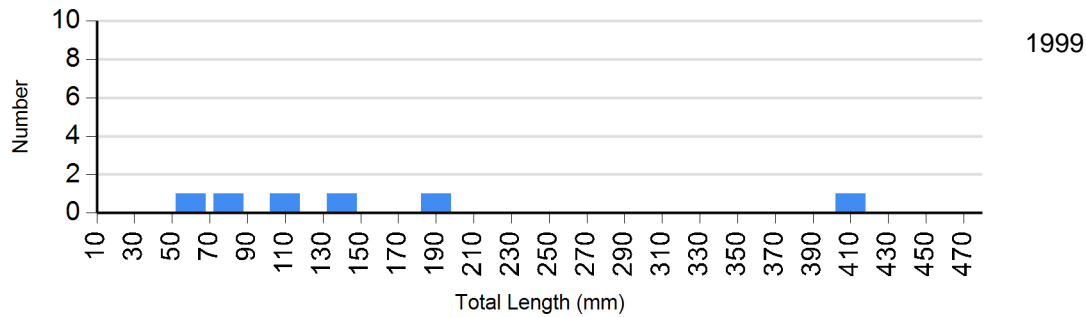
Site: 1833
Species: Brown Trout

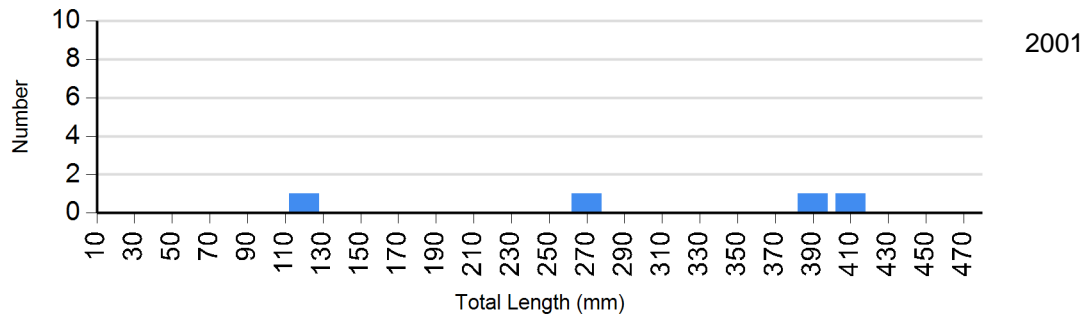


Total Length (mm)

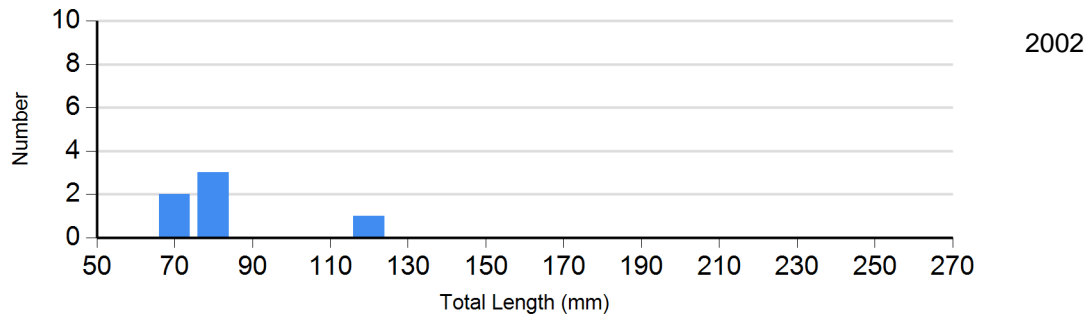
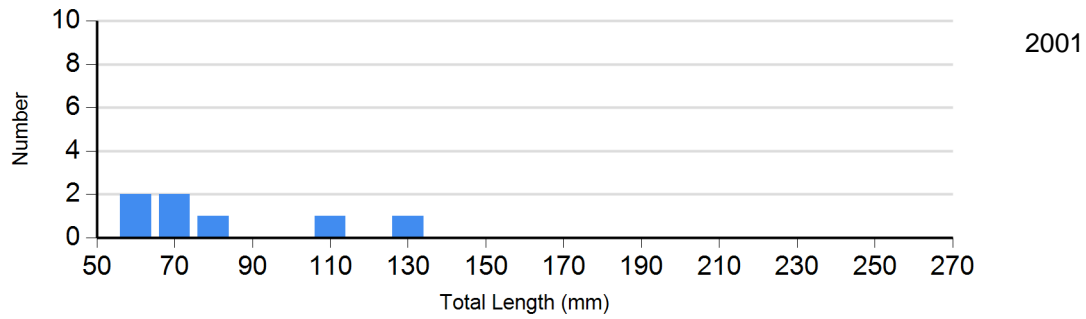
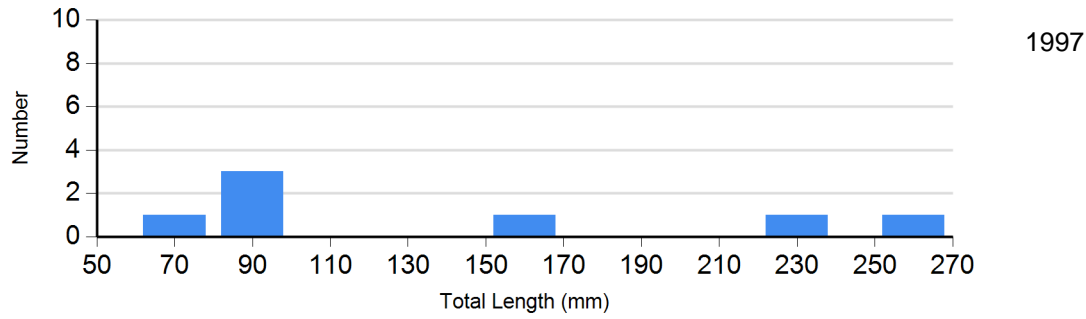


Site: 1833
Species: Rainbow Trout

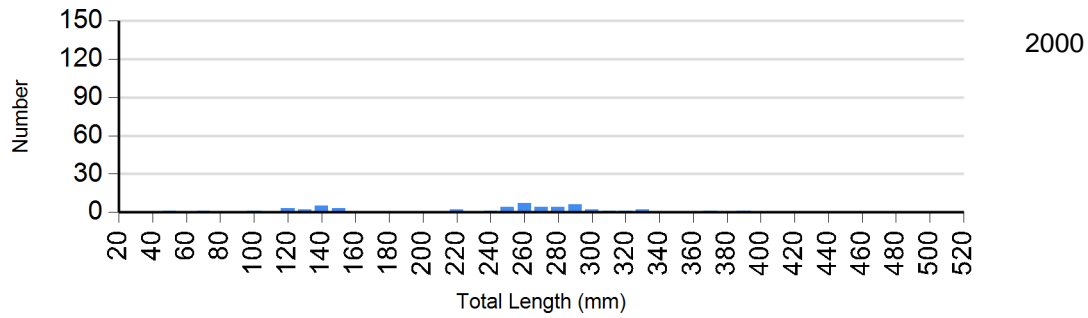
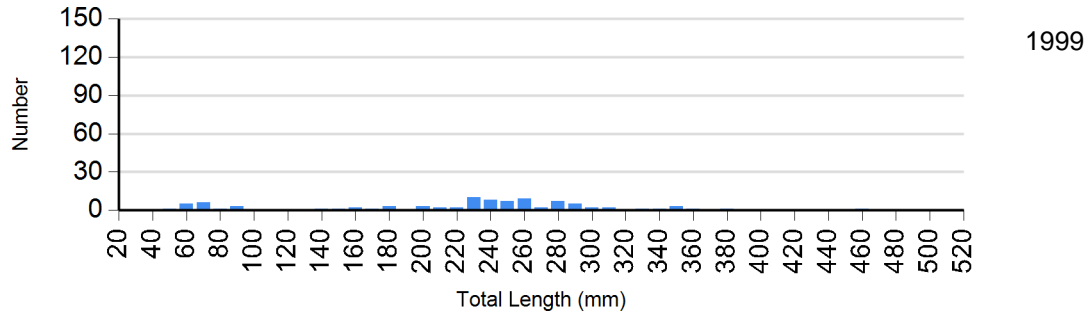
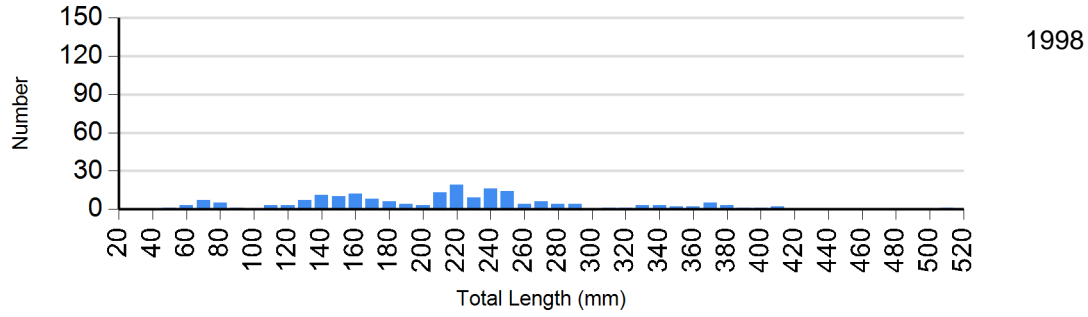
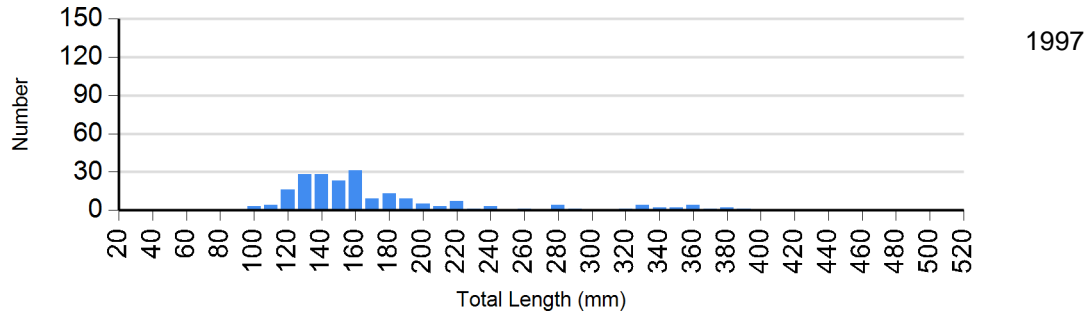


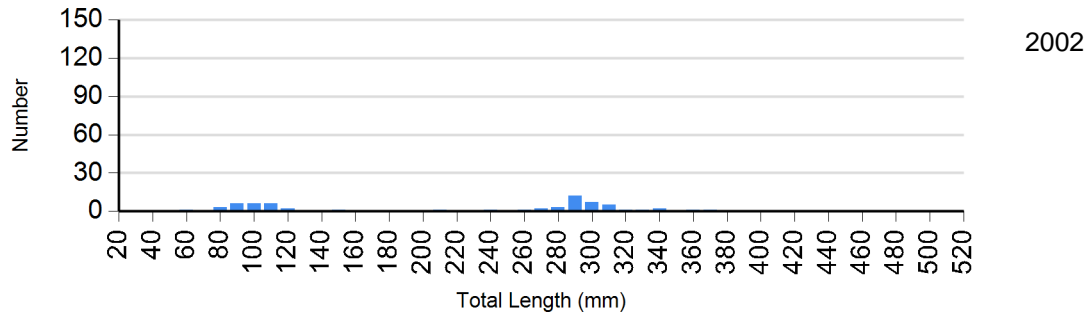
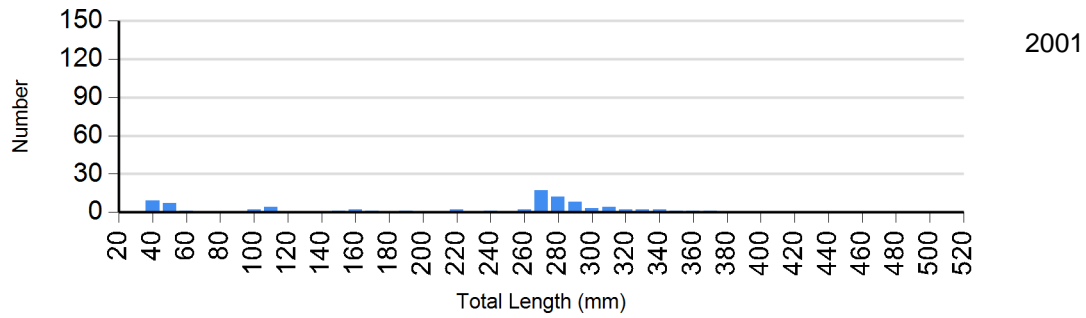


Site: 1843
Species: Brook Trout

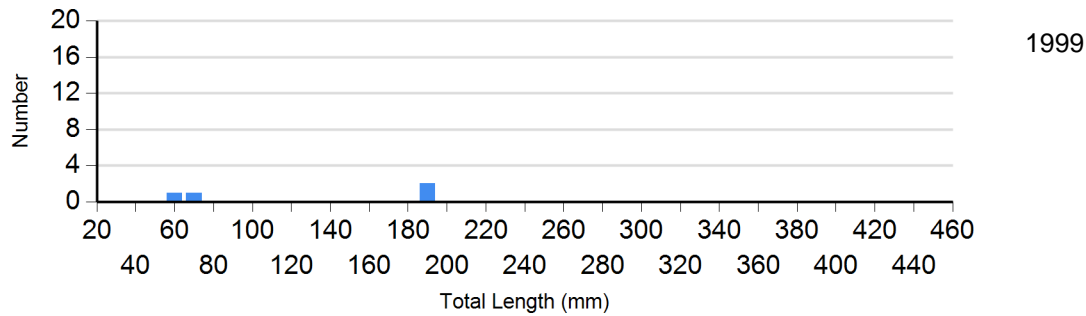
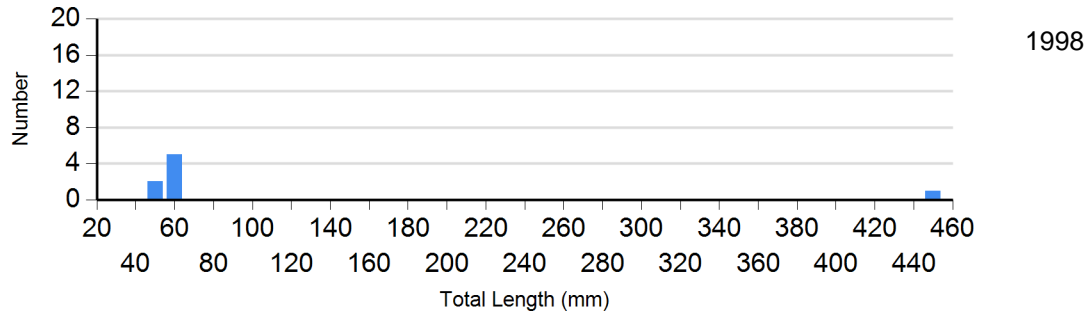


Site: 1843
Species: Brown Trout

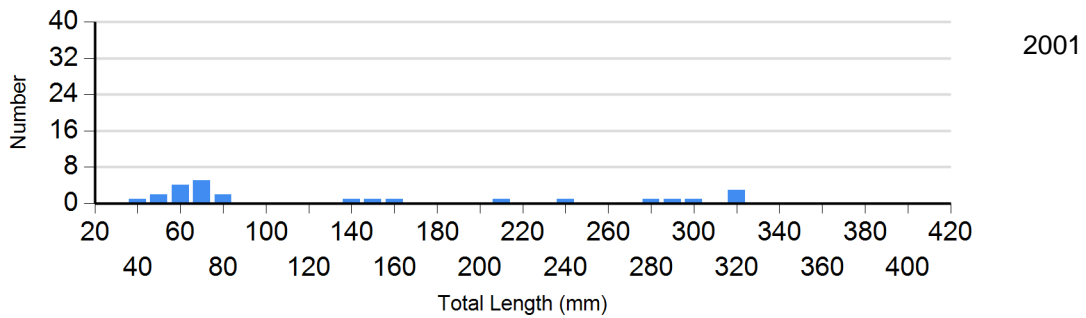
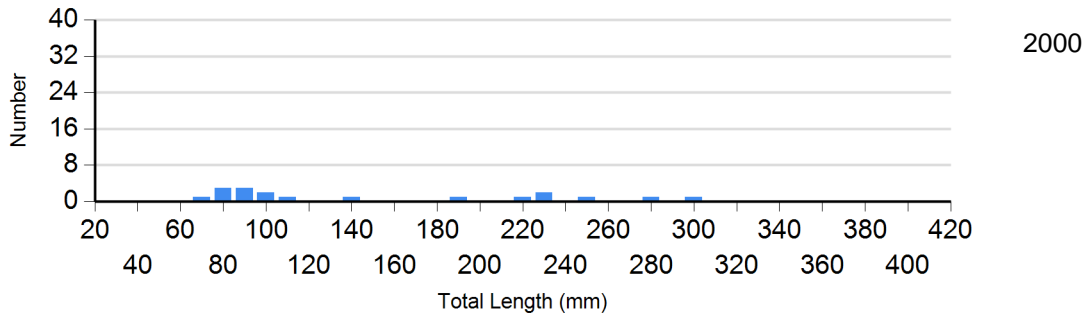
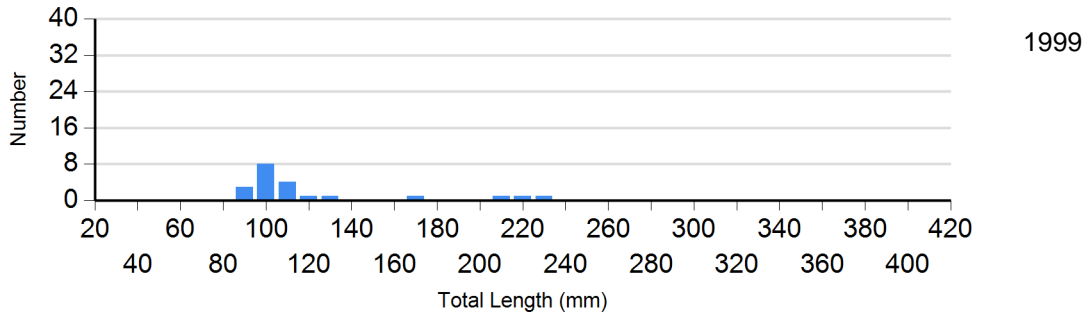
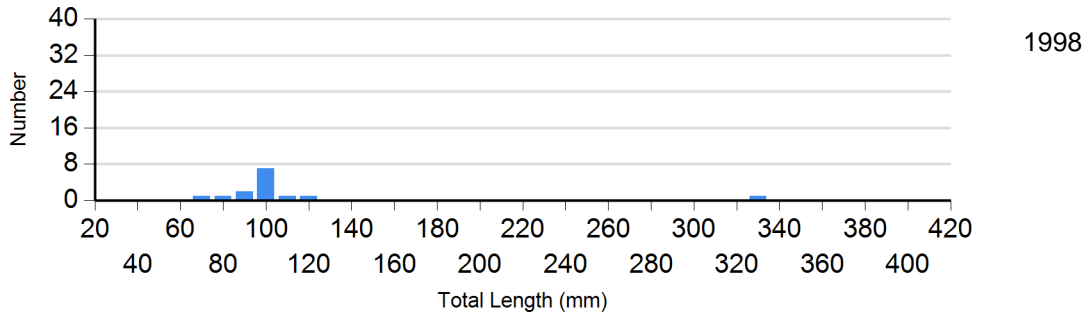


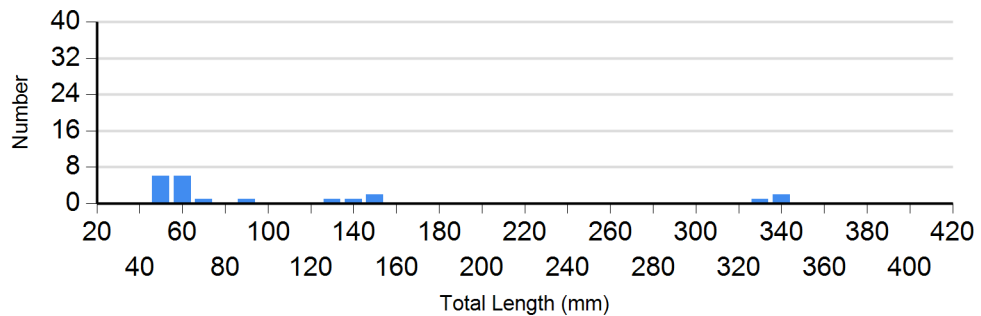


Site: 1843
Species: Rainbow Trout

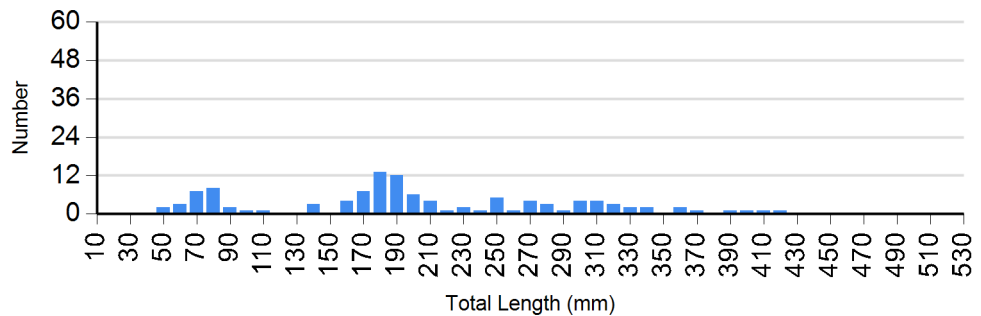
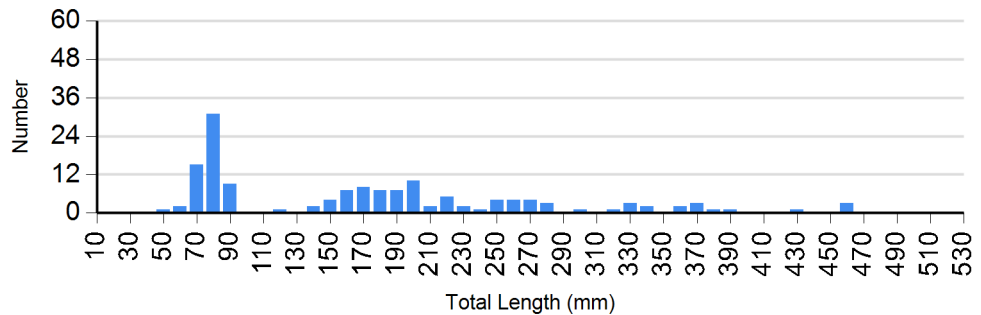
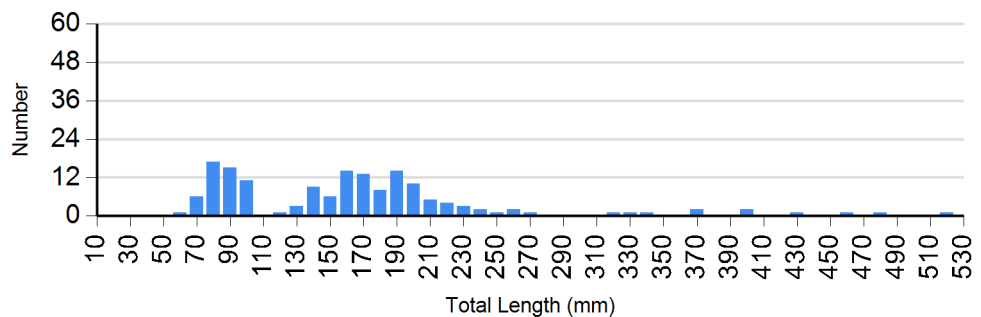


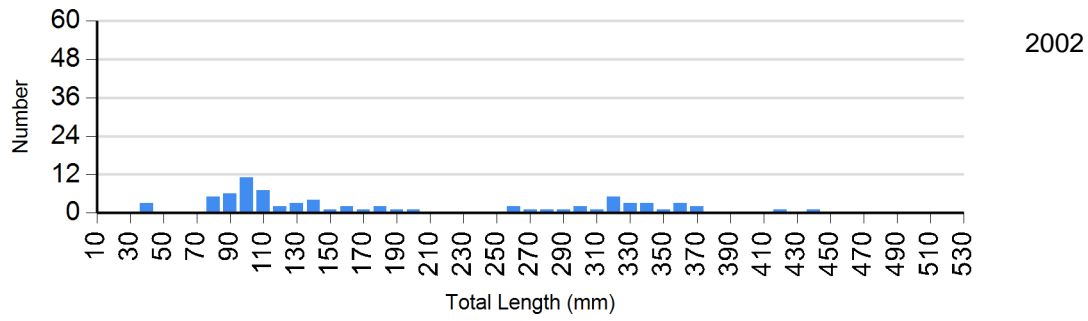
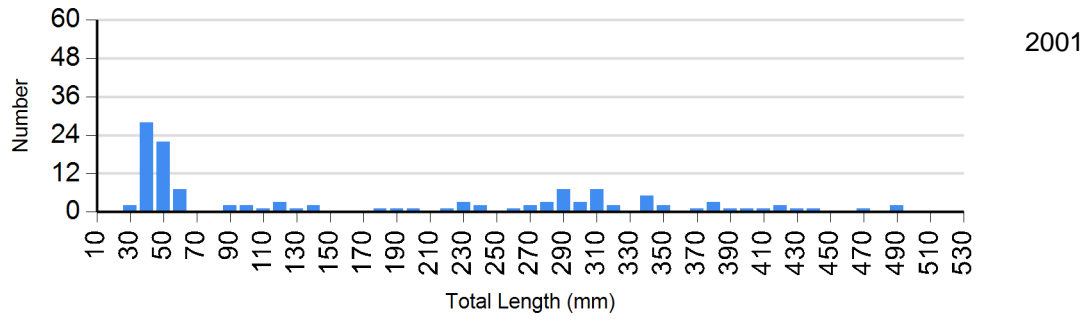
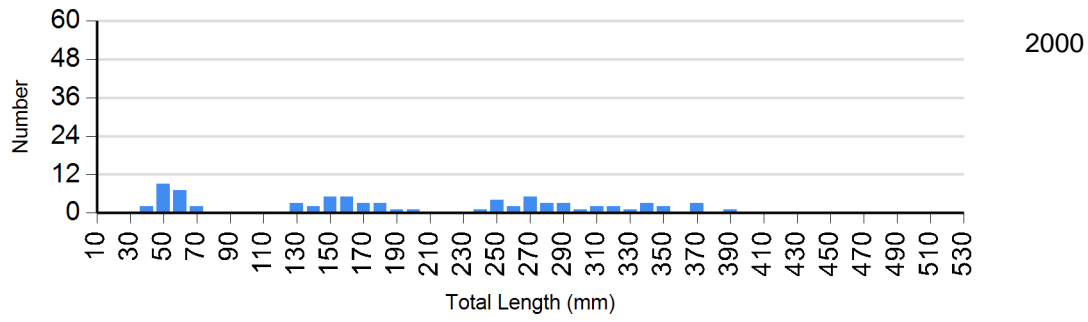
Site: 1853
Species: Brook Trout



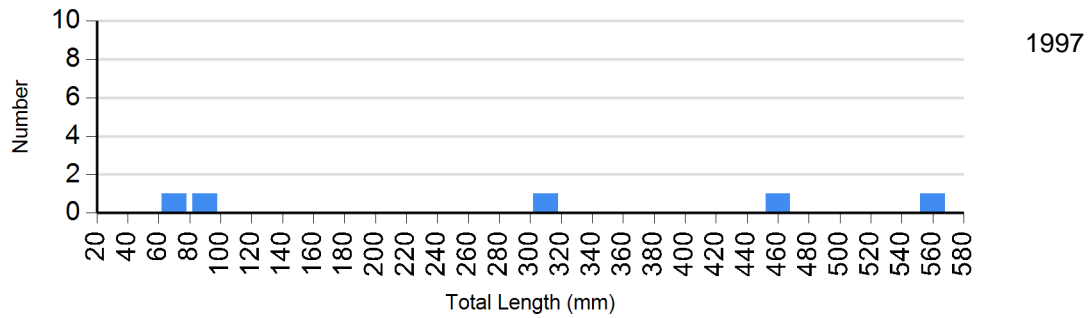


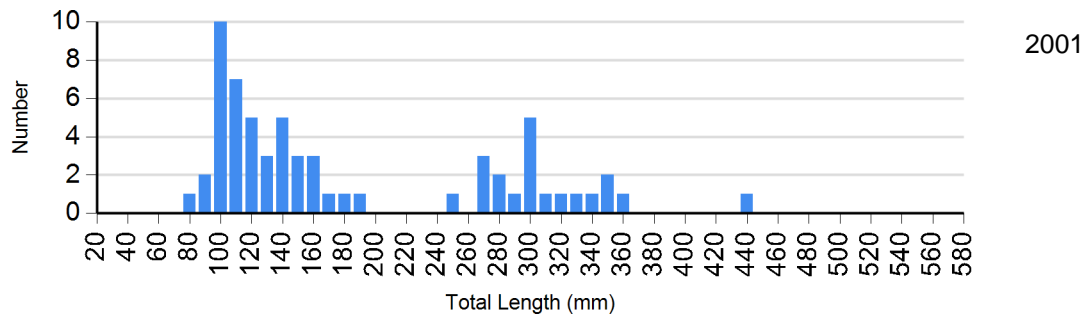
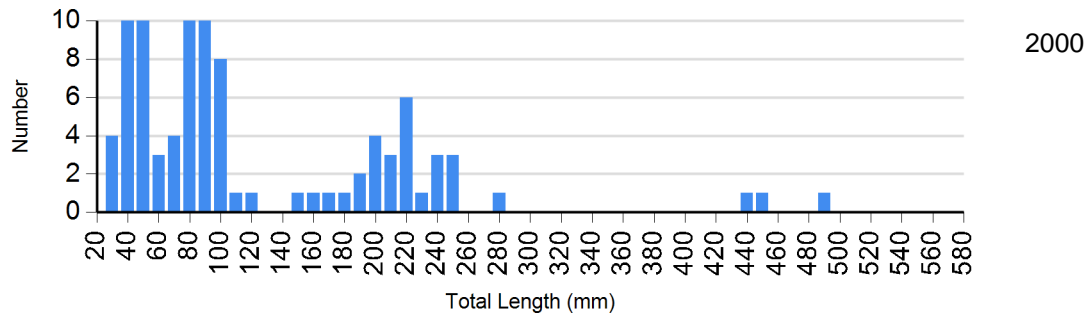
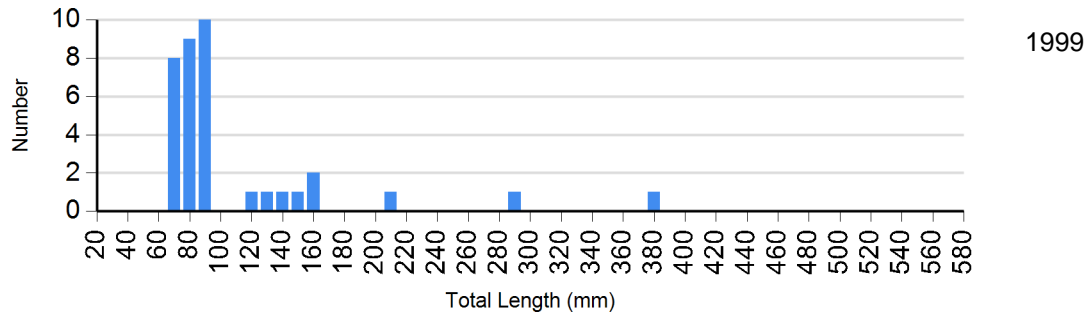
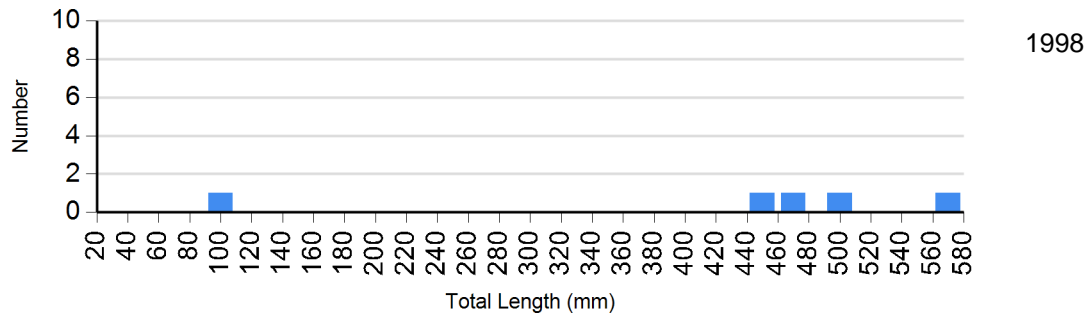
Site: 1853
Species: Brown Trout

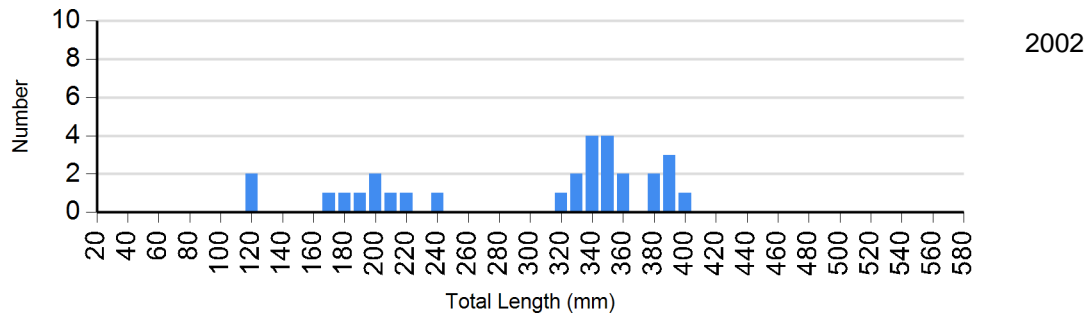




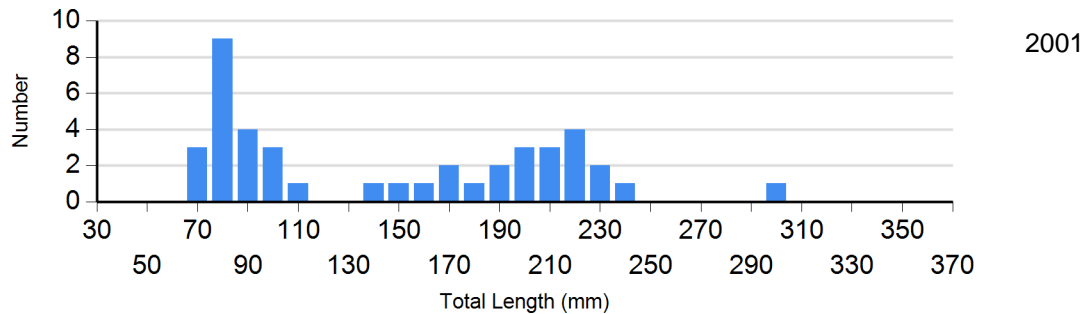
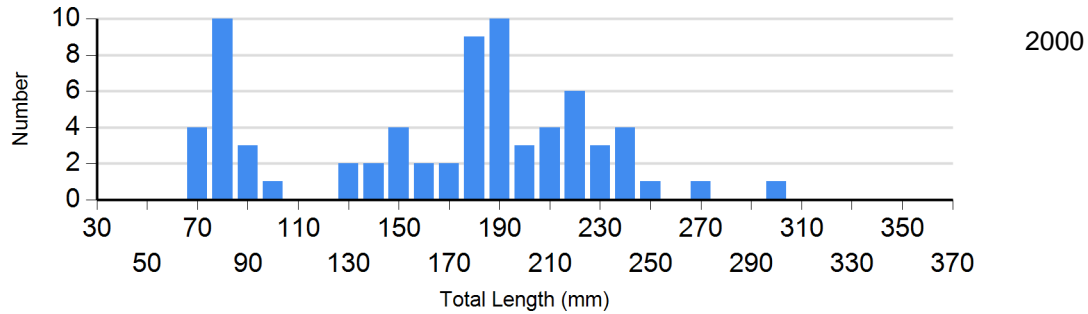
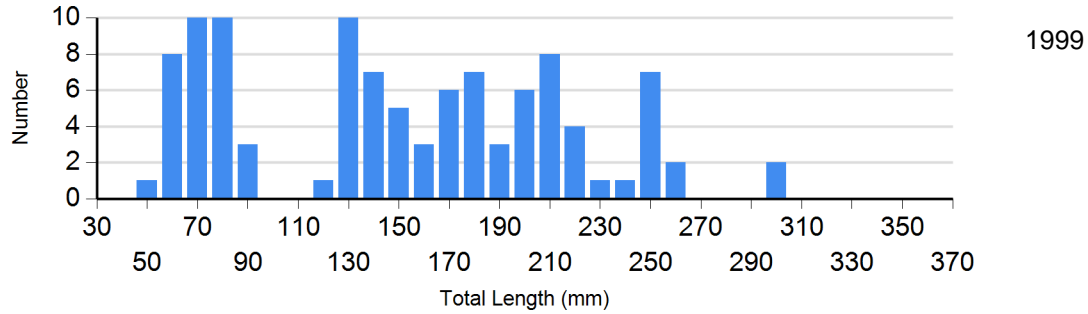
Site: 1853
Species: Rainbow Trout

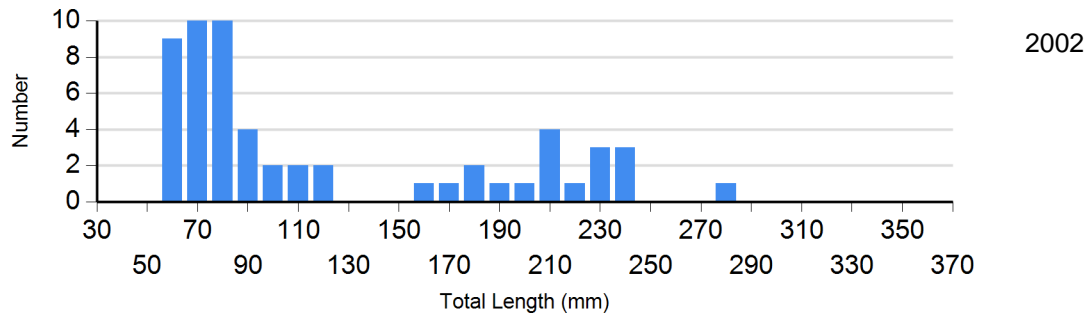




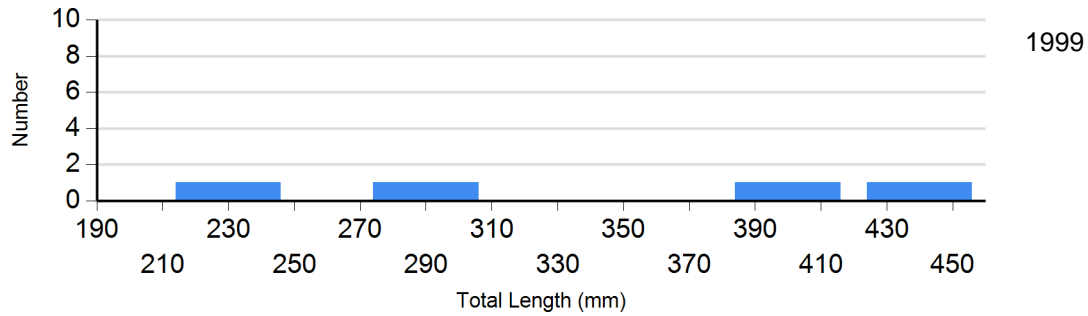


Site: 1952
Species: Brown Trout

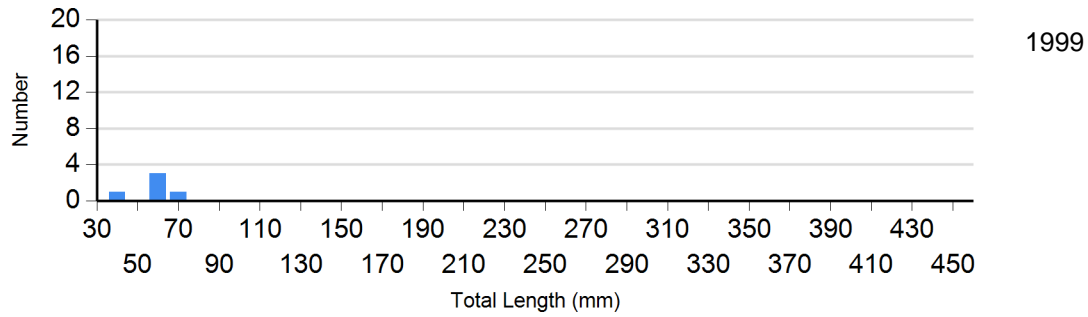


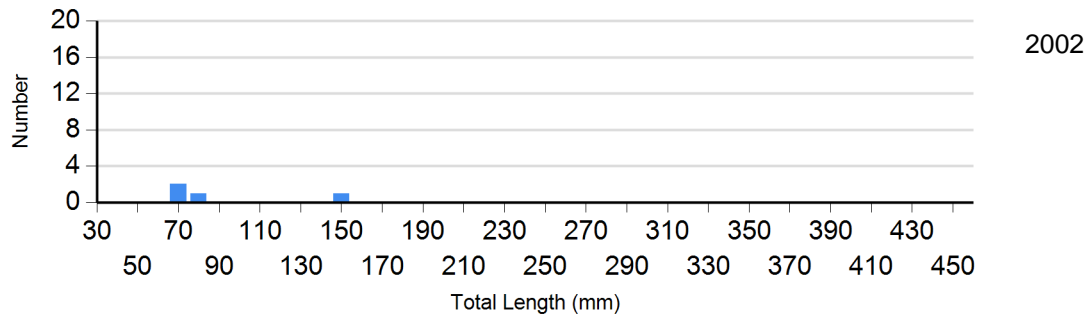
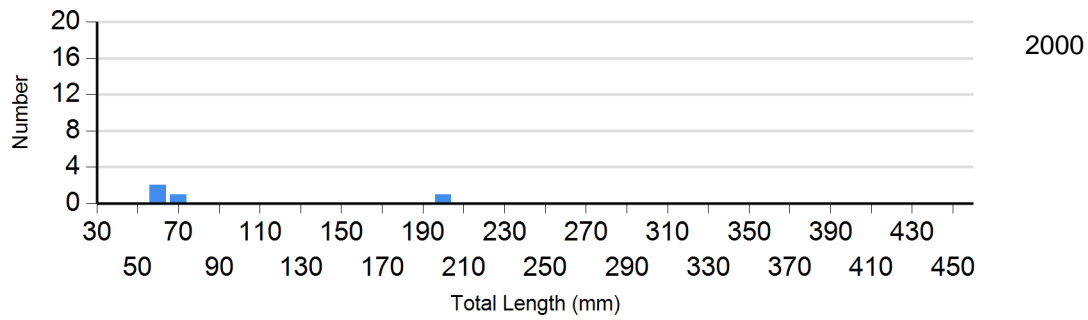


Site: 1952
Species: Hatchery Rainbow Trout



Site: 1952
Species: Rainbow Trout





Site: 1952
Species: Rock Bass

