Summary Report of Warmwater Volunteer Angler Diaries 2002

by

Bruce M. Baker
Washington Department of Fish and Wildlife
Fish Program - Fish Management Division
Warmwater Fish Enhancement Program
600 Capitol Way North
Olympia, Washington 98501-1091

October 2003

Table of Contents

List of Tables

List of Figures

Introduction

The Washington State Department of Fish and Wildlife (WDFW) initiated the warmwater Volunteer Angler Diary program in 1990 as a cooperative effort between the Department's Fish Management Division and Washington's warmwater anglers. The program's primary objectives have been to establish a database of catch information for warmwater fishes from a large cross-section of waters, and to improve communication and cooperation between the Department and the anglers. The program initially targeted bass and walleye. However, since 2000, the program has been expanded to collect catch information on the six warmwater species managed under the Warmwater Enhancement Bill. Those species are: largemouth bass, smallmouth bass, walleye, black crappie, tiger muskie, and channel catfish.

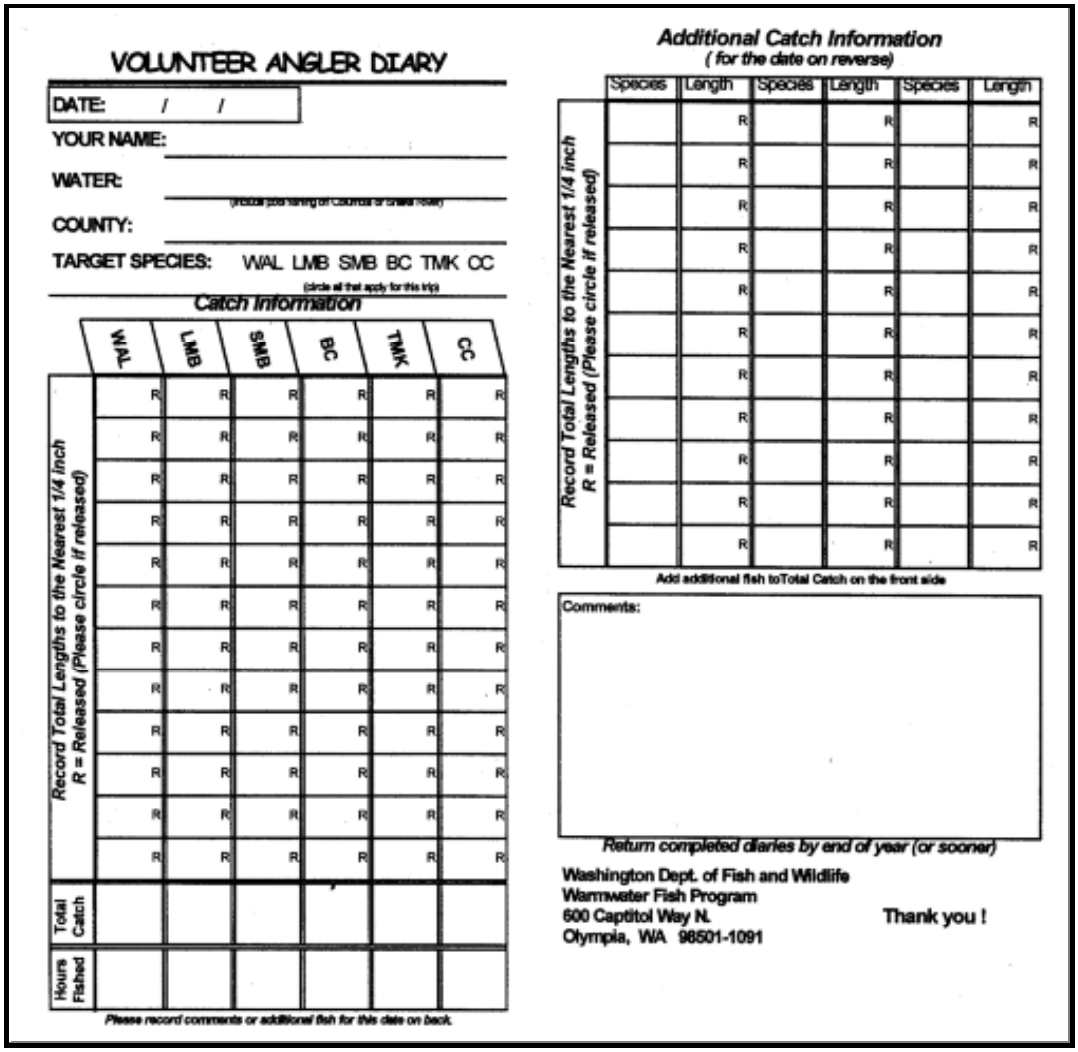
Volunteer angler diary data is used in conjunction with biological sampling and creel census information in order to monitor the condition of, and assess future management options for, warmwater fish populations in Washington State.

Methods

Participants in the Volunteer Angler Diary Program are issued a waterproof, 6-ring notebook with a set of removable data sheets, along with instructions on how to complete them (Figure 1). Volunteers agree to complete a data sheet for each fishing trip taken during the year for any of the six warmwater species. The anglers are to complete the sheets regardless of their fishing success. Anglers may also complete data sheets for friends and/or family that fish with them and are not actively participating in the program.

Volunteer anglers are asked to record their name, the date, water being fished, county, target species, number of each species caught, the length of each fish caught to the nearest quarter inch, the total number of hours fished for each species, and whether the fish caught are retained or released.

Completed data sheets are then to be returned to WDFW by the end of the year. New data sheets are automatically mailed to each volunteer returning completed forms. Volunteer Angler Diary data is then entered into a computer database. Catch summaries, including catch rates and hours fished, along with length frequency distribution graphs for each species are produced and published in an annual report.



VOLUNTEER ANGLER DIARY

DATE: / /

YOUR NAME:

WATER:

(nearest pool fishing on Columbia or Snake River)

COUNTY:

TARGET SPECIES: WAL LMB SMB BC TMK CC

(circle all that apply for this trip)

Catch Information

Record Total Lengths to the Nearest 1/4 inch R = Released (Please circle if released)	WAL	LMB	SMB	BC	TMK	CC
	R	R	R	R	R	R
	R	R	R	R	R	R
	R	R	R	R	R	R
	R	R	R	R	R	R
	R	R	R	R	R	R
	R	R	R	R	R	R
	R	R	R	R	R	R
	R	R	R	R	R	R
	R	R	R	R	R	R
	R	R	R	R	R	R
	R	R	R	R	R	R
	R	R	R	R	R	R
Total Catch						
Hours Fished						

Please record comments or additional fish for this date on back.

Additional Catch Information

(for the date on reverse)

Record Total Lengths to the Nearest 1/4 inch R = Released (Please circle if released)	Species	Length	Species	Length	Species	Length
		R		R		R
		R		R		R
		R		R		R
		R		R		R
		R		R		R
		R		R		R
		R		R		R
		R		R		R
		R		R		R
		R		R		R
		R		R		R

Add additional fish toTotal Catch on the front side

Comments:

Return completed diaries by end of year (or sooner)

Washington Dept. of Fish and Wildlife
Warmwater Fish Program
600 Captitol Way N.
Olympia, WA 98501-1091

Thank you !

Figure 1. Volunteer Angler Diary pages.

Results

Summary of General Results

Participation in the Volunteer Angler Diary program has fluctuated since the program's inception in 1990 (Table 1). The goal of the program was to enlist 100 anglers from all regions of the state, and the program continues to meet that goal. In fact, the number of registered anglers increased in 2002 to 132 despite 30 anglers dropping out of the program. The number of anglers participating in any given year has ranged from a low of 12 anglers in 1995 to a high of 45 anglers in 2000 (includes registered and non-registered anglers or guests). The average number of anglers participating per year has been 24. A total of 44 anglers (27 registered anglers and 17 guests) participated in the program this past year.

Table 1. Angler participation and number of trips from 1990-2002.

Year	No. of Registered Anglers	No. of Participating Anglers	Percent Participation	No. of Trips
1990	no data	14	no data	210
1991	no data	21	no data	482
1992	no data	27	no data	760
1993	62	27	44	655
1994	32	17	53	361
1995	27	12	44	235
1996	45	21	47	583
1997	47	14	30	281
1998	48	13	27	201
1999	no data	no data	no data	no data
2000	92	45[1]	14	402
2001	113	33[2]	25	271
2002	132	44[3]	20	549

[1] 32 participants were not registered
[2] 5 participants were not registered
[3] 17 participants were not registered

The 44 anglers submitted data for a total of 554 individual fishing trips. The data from 5 (<1%) of these trips had to be excluded because they were unusable. Therefore, the final dataset came from data from a total of 549 individual fishing trips conducted on 85 different bodies of water. A total of 531 largemouth bass, 959 smallmouth bass, 450 walleye, 1 tiger muskie, 65 black crappie, and 12 channel catfish were reported being caught. Ninety-nine percent (N =526) of the 531 largemouth bass caught were released. Ninety-three percent (N = 895) of the 959 smallmouth bass caught were released. Thirty-six percent (N = 163) of the 450 walleye caught were released. The one tiger muskie that was caught was released. Thirty-seven percent (N = 24) of the 65 black crappie caught were released. Fifty-eight percent (N = 7) of the 12 channel catfish caught were released.

Largemouth Bass

Catch Data

A total of 337 largemouth bass, 12 inches or greater, were caught in 755.8 hours fished on 142 individual fishing trips to 45 different waters in 2002 (Table 2). Catch and release information was available for all trips. Anglers reported practicing catch and release fishing on largemouth bass in 2002 on 117 (98%) trips. Catch and release information was available for 531 individual largemouth bass of all sizes caught. Ninety-nine percent (526) of those fish were released. Catch and release information was also available for 337 individual largemouth bass 12 inches or greater caught. Ninety-nine percent (334) of those fish were released.

A complete summary of catch, hours fished and catch rates for largemouth bass 12 inches or greater are listed for each individual water fished in 2002 in which at least one largemouth bass greater than 12 inches was caught (Table 2).

Table 2. Summary of catch, hours fished, and catch rates (catch per unit effort (CPUE)) for largemouth bass 12 inches or greater for each individual water fished in 2002.

Water	County	No. of Trips	Hours Fished	No. Fish Caught	CPUE	Avg. Trip Length (hrs)
Big	Skagit	2	11.0	5	0.64	5.5
Campbell	Skagit	7	26.5	14	1.47	3.8
Clear	Skagit	3	19.5	5	0.26	6.5
Cottage	King	2	6.5	3	0.46	3.3
Cranberry	Island	1	6.0	1	0.17	6.0
Curlew	Ferry	2	5.5	0	0.00	2.8
Downs	Spokane	3	9.0	15	1.89	3.0
Duck	Grays Harbor	6	38.5	14	0.36	6.4
Evergreen	Grant	4	10.0	7	0.70	2.5
Hart	Pierce	2	5.5	6	1.09	2.8
Heart	Skagit	1	3.5	2	0.86	3.5
Hicks	Thurston	1	6.0	1	1.17	6.0
Howard	Snohomish	1	3.0	0	0.00	3.0
Island	Mason	1	7.0	4	1.43	7.0
Ki	Snohomish	1	3.0	3	1.00	3.0
Leland	Jefferson	9	77.0	23	0.65	8.6
Loma	Snohomish	1	3.0	0	0.00	3.0
Long	Kitsap	6	60.0	26	0.50	10.0
Mason	Mason	1	6.0	3	0.50	6.0
McMurray	Skagit	1	2.5	2	1.20	2.5
Moses	Grant	4	9.0	4	0.56	2.3
Nahwatzel	Mason	5	21.5	25	2.42	4.3
Okanogan	Okanogan	3	18.0	9	0.56	6.0

Table 2. (cont.). Summary of catch, hours fished, and catch rates (catch per unit effort (CPUE)) for largemouth bass 12 inches or greater for each individual water fished in 2002.

Water	County	No. of Trips	Hours Fished	No. Fish Caught	CPUE	Avg. Trip Length (hrs)
Osoyoos	Okanogan	4	17.0	9	0.53	4.3
Ozette	Clallam	1	8.0	1	0.13	8.0
Palmer	Okanogan	18	85.5	34	0.40	4.8
Pattison	Thurston	3	15.5	3	0.58	5.2
Potholes	Grant	6	43.5	27	0.69	7.3
Riffe	Lewis	1	5.0	1	0.40	5.0
Samish	Whatcom	6	32.0	10	0.66	5.3
Sequalitchew	Pierce	1	5.0	1	0.80	5.0
Serene	Snohomish	1	3.0	1	0.33	3.0
Silver	Cowlitz	2	14.0	4	0.29	7.0
Soda	Grant	1	6.5	1	0.15	6.5
Spanaway	Pierce	2	10.5	2	0.19	5.3
Spencer	Mason	2	14.0	4	0.29	7.0
St. Clair	Thurston	5	29.0	2	0.66	5.8
Tanwax	Pierce	1	1.5	1	0.67	1.5
Terrell	Whatcom	5	30.5	2	0.30	6.1
Tradition	King	1	5.0	1	1.00	5.0
Wahluke	Franklin	5	40.8	38	1.15	8.2
Wallula	Benton	1	2.0	1	0.50	2.0
Whatcom	Whatcom	3	13.0	4	0.77	4.3
Whitestone	Okanogan	5	15.0	17	1.20	3.0
Woodhouse	Kittitas	1	2.0	1	0.50	2.0
Total		**142**	**755.8**	**337**	**0.45**	**5.3**

Length Frequency Distributions

A total of 38 largemouth bass, ranging from 3 inches to 19 inches, were caught in 7 fishing trips to Campbell Lake (Skagit County) in 2002 (Figure 2).

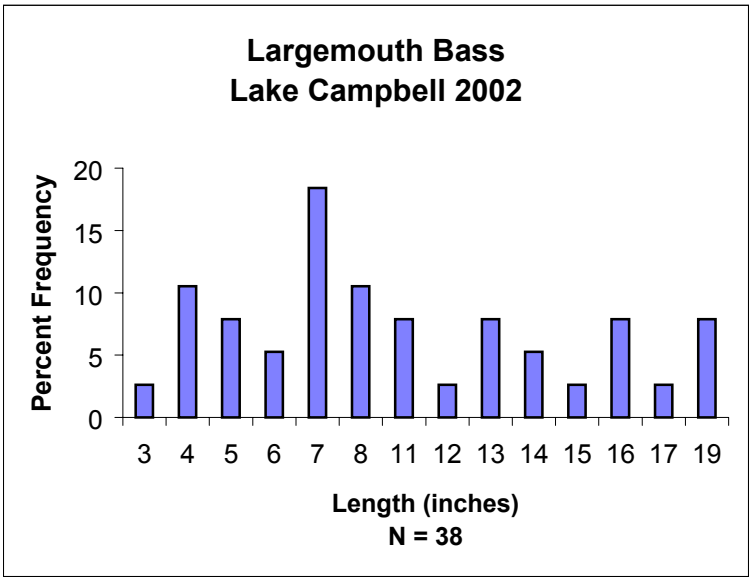


Figure 2. Length frequency distribution of largemouth bass in Lake Campbell (Skagit Co.) in 2002.

A total of 11 largemouth bass, ranging from 6 inches to 10 inches, were caught in 2 fishing trips to Curlew Lake (Lincoln County) in 2002 (Figure 3).

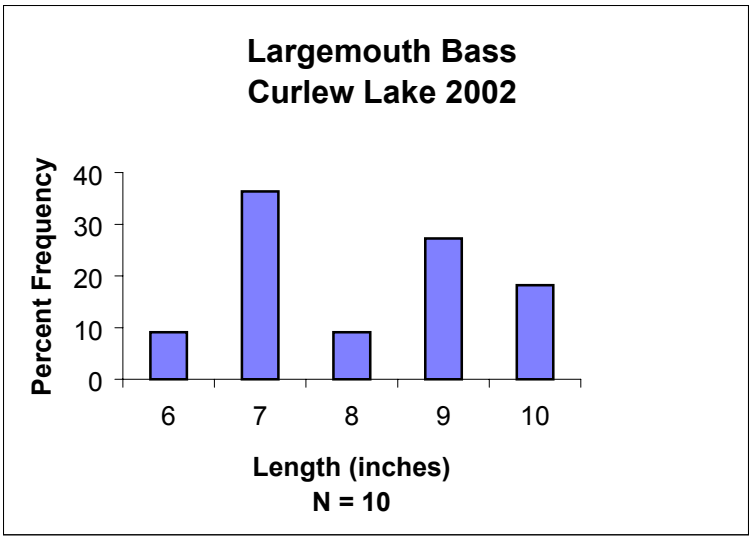


Figure 3. Length frequency distribution of largemouth bass in Curlew Lake (Lincoln Co.) in 2002.

A total of 17 largemouth bass, ranging from 11 inches to 20 inches, were caught in 3 fishing trips to Downs Lake (Spokane County) in 2002 (Figure 4).

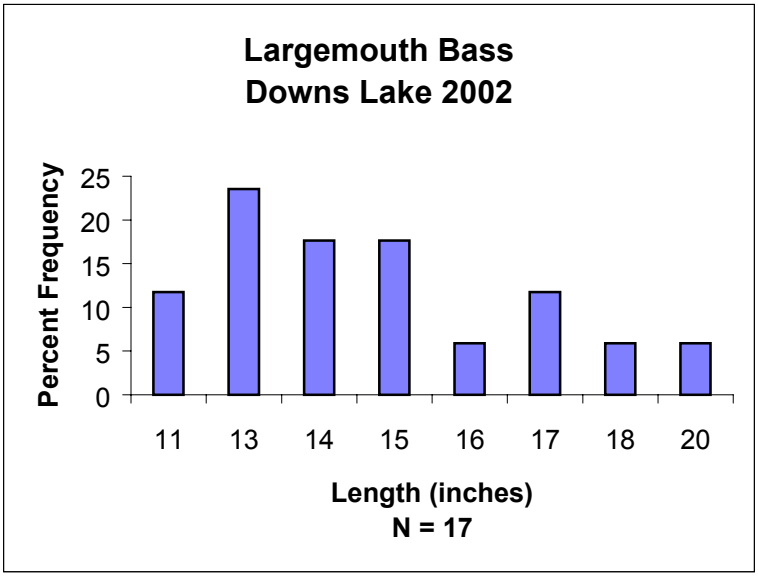


Figure 4. Length frequency distribution of largemouth bass in Downs Lake (Spokane Co.) in 2002.

A total of 14 largemouth bass, ranging from 13 inches to 18 inches, were caught in 6 fishing trips to Duck Lake (Grays Harbor County) in 2002 (Figure 5).

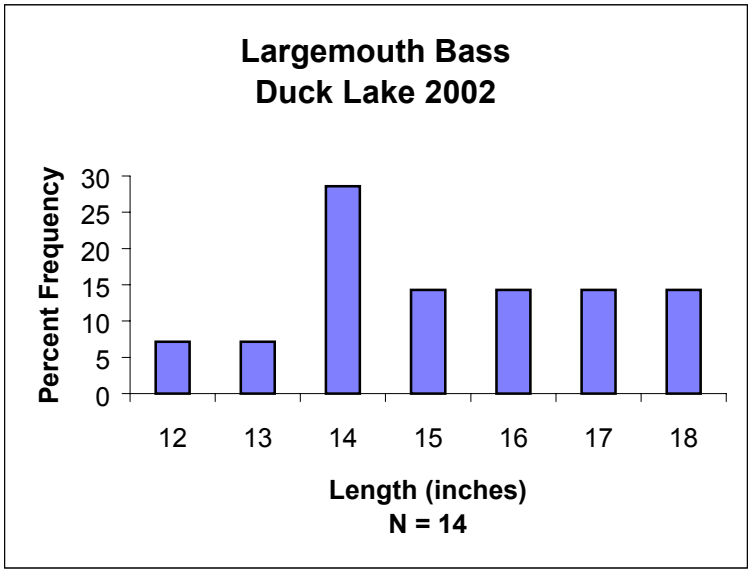


Figure 5. Length frequency distribution of largemouth bass in Duck Lake (Grays Harbor Co.) in 2002.

A total of 10 largemouth bass, ranging from 4 inches to 17 inches, were caught in 1 fishing trip to Island Lake (Mason County) in 2002 (Figure 6).

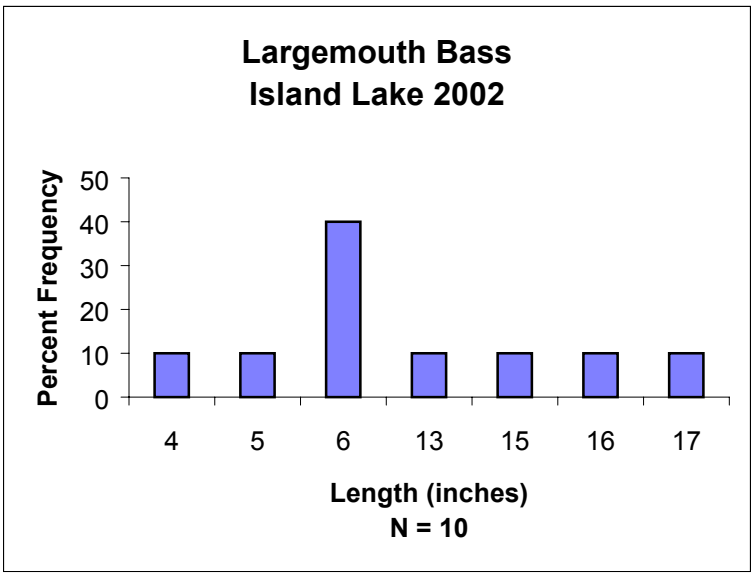


Figure 6. Length frequency distribution of largemouth bass in Island Lake (Mason Co.) in 2002.

A total of 50 largemouth bass, ranging from 4 inches to 20 inches, were caught in 9 fishing trips to Leland Lake (Jefferson County) in 2002 (Figure 7).

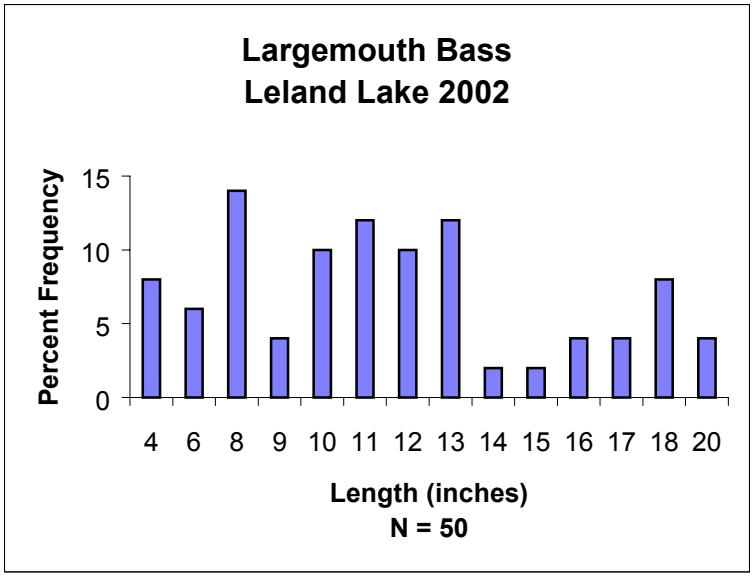


Figure 7. Length frequency distribution of largemouth bass in Leland Lake (Jefferson Co.) in 2002.

A total of 11 largemouth bass, ranging from 5 inches to 11 inches, were caught in 1 fishing trip to Loma Lake (Snohomish County) in 2002 (Figure 8).

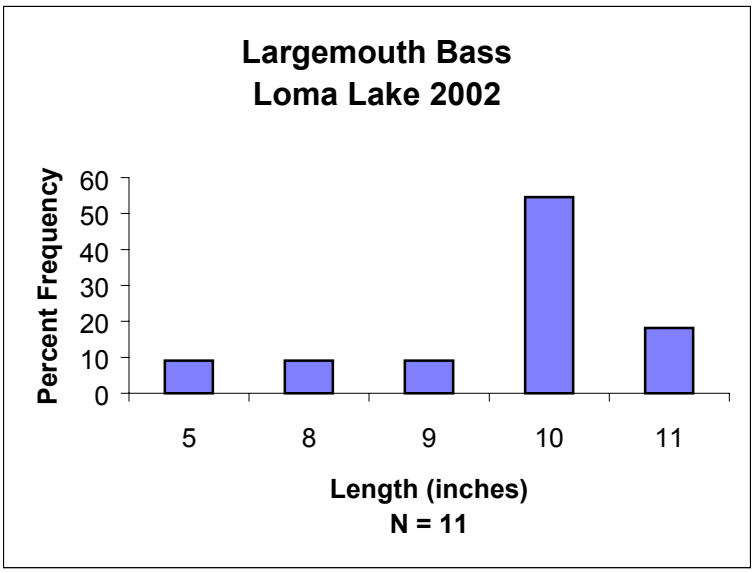


Figure 8. Length frequency distribution of largemouth bass in Loma Lake (Snohomish Co.) in 2002.

A total of 29 largemouth bass, ranging from 10 inches to 21 inches, were caught in 6 fishing trips to Long Lake (Kitsap County) in 2002 (Figure 9).

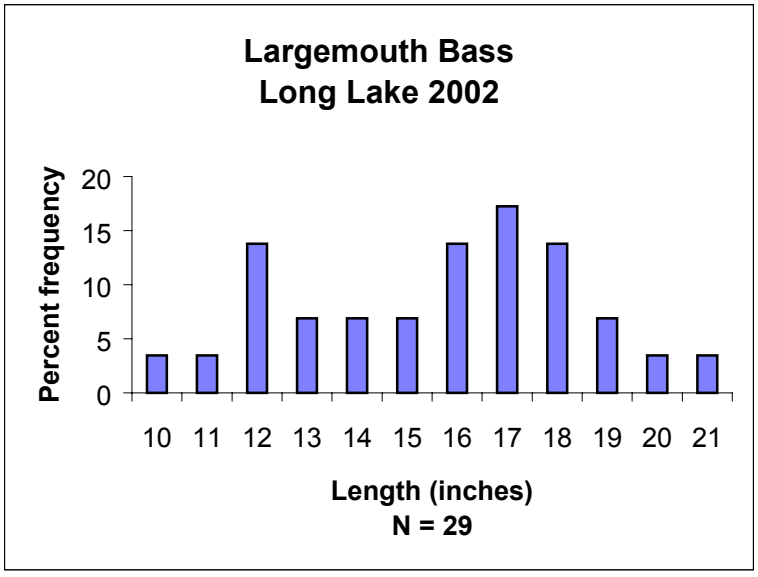


Figure 9. Length frequency distribution of largemouth bass in Long Lake (Kitsap Co.) in 2002.

A total of 52 largemouth bass, ranging from 8 inches to 17 inches, were caught in 5 fishing trips to Nahwatzel Lake (Mason County) in 2002 (Figure 10).

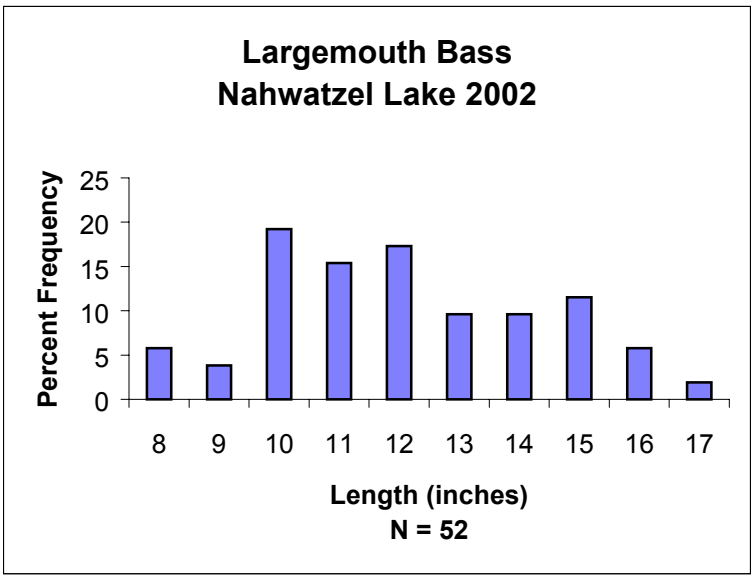


Figure 10. Length frequency distribution of largemouth bass in Nahwatzel Lake (Mason Co.) in 2002.

A total of 10 largemouth bass, ranging from 11 inches to 19 inches, were caught in 3 fishing trips to the Okanogan River (Okanogan County) in 2002 (Figure 11).

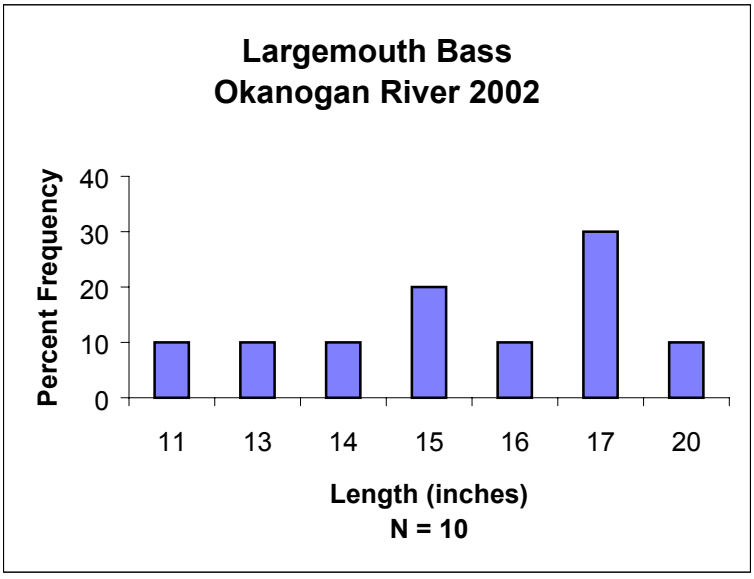


Figure 11. Length frequency distribution of largemouth bass in the Okanogan River (Okanogan Co.) in 2002.

A total of 34 largemouth bass, ranging from 12 inches to 23 inches, were caught in 11 fishing trips to Palmer Lake (Okanogan County) in 2002 (Figure 12).

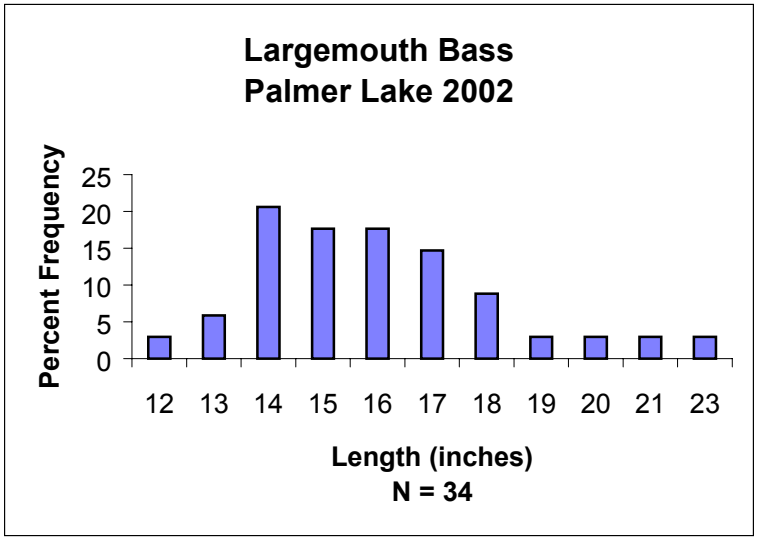


Figure 12. Length frequency distribution of largemouth bass in Palmer Lake (Okanogan Co.) in 2002.

A total of 30 largemouth bass, ranging from 9 inches to 20 inches, were caught in 6 fishing trips to Potholes Reservoir (Grant County) in 2002 (Figure 13).

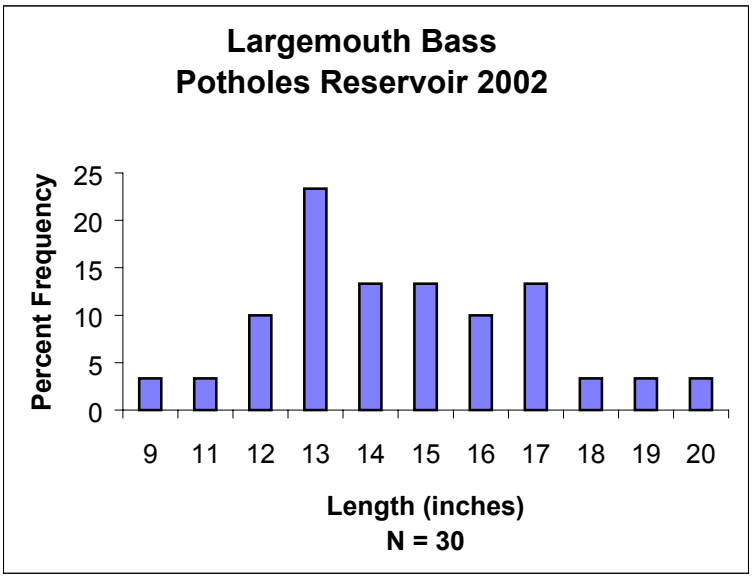


Figure 13. Length frequency distribution of largemouth bass in Potholes Reservoir (Grant Co.) in 2002.

A total of 19 largemouth bass, ranging from 8 inches to 13 inches, were caught in 4 fishing trips to Lake St. Clair (Thurston County) in 2002 (Figure 14).

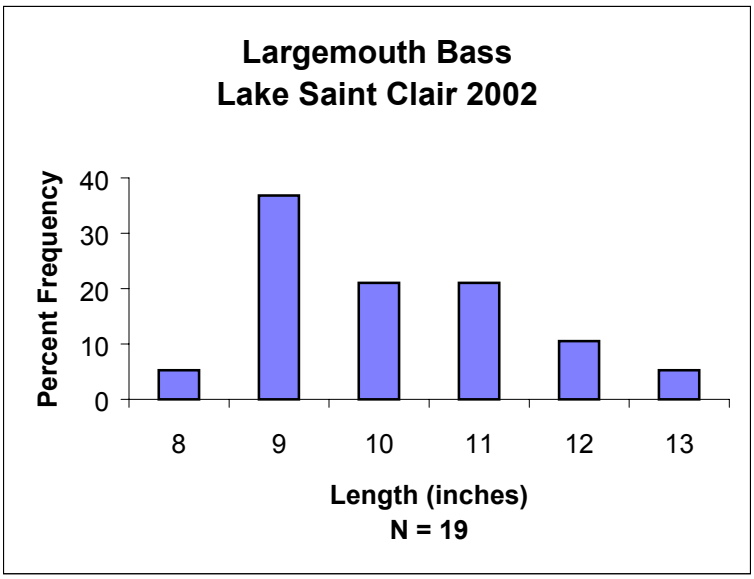


Figure 14. Length frequency distribution of largemouth bass in Lake St. Clair (Thurston Co.) in 2002.

A total of 21 largemouth bass, ranging from 7 inches to 18 inches, were caught in 6 fishing trips to Samish Lake (Whatcom County) in 2002 (Figure 15).

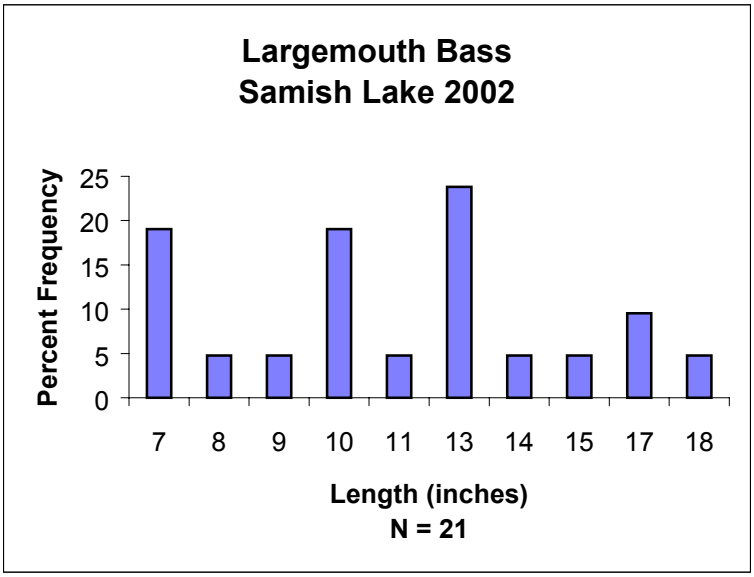


Figure 15. Length frequency distribution of largemouth bass in Samish Lake (Whatcom Co.) in 2002.

A total of 46 largemouth bass, ranging from 6 inches to 22 inches, were caught in 5 fishing trips to Wahluke Wasteway (Franklin County) in 2002 (Figure 16).

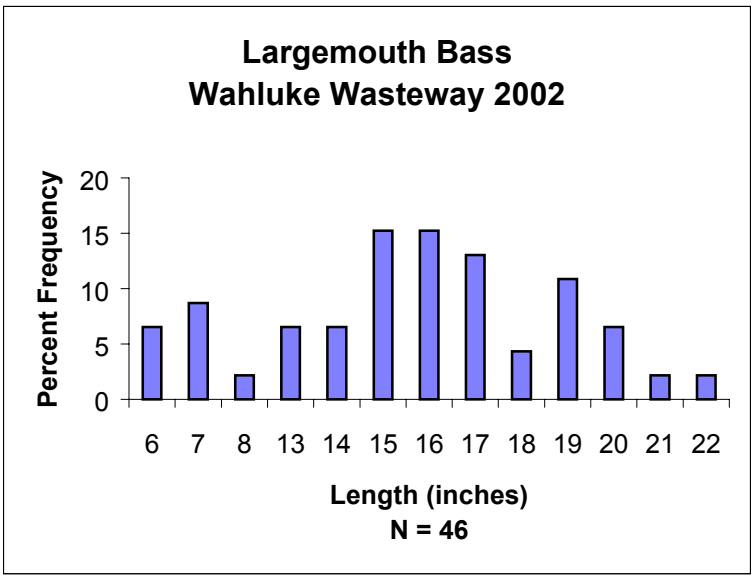


Figure 16. Length frequency distribution of largemouth bass in Wahluke Wasteway (Franklin Co.) in 2002.

A total of 10 largemouth bass, ranging from 7 inches to 14 inches, were caught in 3 fishing trips to Whatcom Lake (Whatcom County) in 2002 (Figure 17).

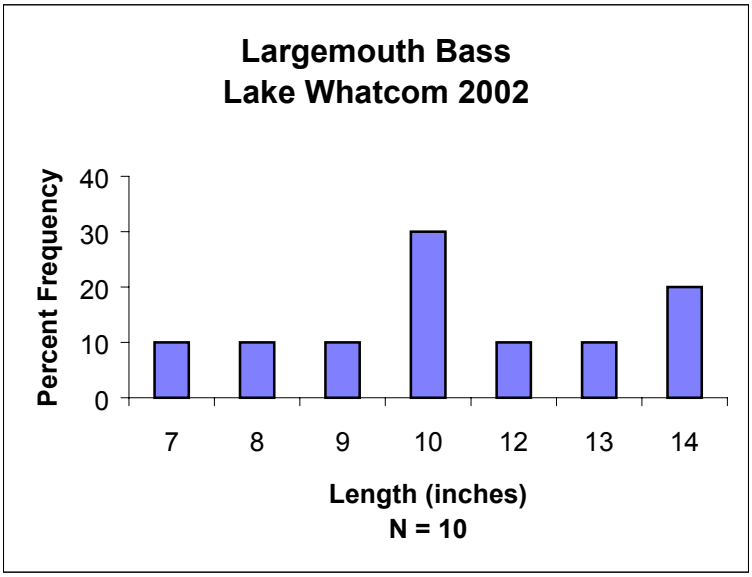


Figure 17. Length frequency distribution of largemouth bass in Lake Whatcom (Whatcom Co.) in 2002.

A total of 18 largemouth bass, ranging from 12 inches to 23 inches, were caught in 4 fishing trips to Whitestone Lake (Okanogan County) in 2002 (Figure 18).

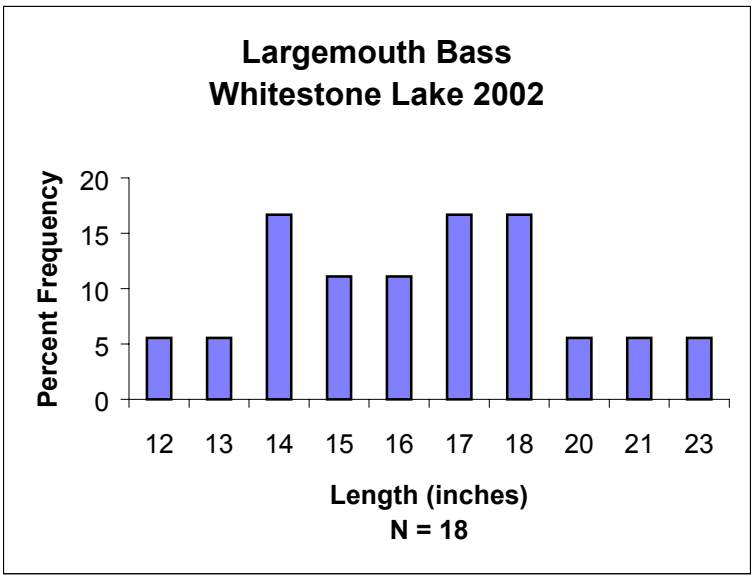


Figure 18. Length frequency distribution of largemouth bass in Whitestone Lake (Okanogan Co.) in 2002.

Comparative Catch Information

The statewide catch rate or catch per unit effort (CPUE) for largemouth bass of any size was 0.70 fish per hour in 2002. The statewide CPUE for largemouth bass of any size was highest in 1993 at 0.77 fish per hour. The CPUE for other years in which data was collected, ranged from 0.39 to 0.71 (Table 3). The statewide CPUE for largemouth bass 12 inches or greater was 0.45 fish per hour in 2002. The statewide catch rate for largemouth bass 12 inches or greater was highest in 1993 at 0.59 fish per hour. The CPUE for other years in which data was collected, ranged from 0.16 to 0.51 (Table 3).

Table 3. Annual average volunteer angler catch rate (catch per unit effort (CPUE) for largemouth bass caught of any size and for largemouth bass 12 inches or greater, 1990-2002 (no data was available for 1999).

			All Sizes		≥ 12 inches	
Year	No. of Waters	Hours Fished	No. Caught	CPUE	No. Caught	CPUE
1990	27	805.0	573	0.71	291	0.36
1991	48	1,985.0	1,148	0.58	589	0.30
1992	42	2,408.0	1,574	0.65	1,227	0.51
1993	40	1,953.0	1,505	0.77	1,149	0.59
1994	23	1,047.0	573	0.55	402	0.38
1995	16	617.5	290	0.47	186	0.30
1996	25	925.0	494	0.53	295	0.32
1997	23	751.0	316	0.42	145	0.19
1998	16	454.0	178	0.39	71	0.16
1999	no data	no data	no data	no data	no data	no data
2000	17	226.5	122	0.54	40	0.18
2001	30	462.8	336	0.73	168	0.36
2002	45	755.8	531	0.70	337	0.45

Smallmouth Bass

Catch Data

A total of 815 smallmouth bass, 11 inches or greater, were caught in 1,128.8 hours fished on 211 individual fishing trips to 29 different waters in 2002 (Table 4). Catch and release information was available for all trips. Anglers reported practicing catch and release on 189 (86%) trips. Catch and release information was available for 959 individual smallmouth bass of all sizes caught. Ninety-three percent (895) of those fish were released. Catch and release information was also available for 815 individual largemouth bass 11 inches or greater caught. Ninety-six percent (784) of those fish were released.

Table 4. Summary of catch, hours fished, and catch rates (catch per unit effort (CPUE)) for smallmouth bass 11 inches or greater for each individual water fished in 2002.

Water	County	No. of Trips	Hours Fished	No. Fish Caught	CPUE	Avg. Trip Length
Banks	Grant	9	32.0	27	0.84	3.6
Celilo	Klickitat	3	9.0	38	4.22	3.0
Chelan	Chelan	1	8.5	6	0.71	8.5
Columbia	Clark	1	4.0	1	0.25	4.0
Evergreen	Grant	1	3.0	1	0.33	3.0
Herbert G. West	Franklin	3	22.0	1	0.73	7.3
Lind Coulee	Grant	2	7.0	7	1.00	3.5
Moses	Grant	11	40.8	20	0.49	3.7
Okanogan	Okanogan	4	25.5	18	0.71	6.4
Osoyoos	Okanogan	10	47.5	30	0.63	4.8

Table 3. (cont.). Summary of catch, hours fished, and catch rates (catch per unit effort (CPUE)) for smallmouth bass 11 inches or greater for each individual water fished in 2002.

Water	County	No. of Trips	Hours Fished	No. Fish Caught	CPUE	Avg. Trip Length
Palmer	Okanogan	35	169.0	123	0.73	4.8
Potholes	Grant	4	15.0	10	0.67	3.8
Riffe	Lewis	4	25.0	7	0.28	6.3
Roosevelt	Okanogan, Stevens	5	39.0	23	0.59	7.8
Rufus Woods	Douglas	3	24.0	6	0.25	8.0
Sacajawea	Walla Walla	1	9.0	2	0.22	9.0
Samish	Whatcom	2	15.0	2	0.13	7.5
Sammamish	King	8	52.5	38	0.72	6.6
Sinlahekin	Okanogan	4	16.0	28	1.75	4.0
Soda	Grant	2	7.5	3	0.40	3.8
Spanaway	Pierce	5	41.0	21	0.51	8.2
Sprague	Adams	1	4.0	1	0.25	4.0
Umatilla	Benton, Klickitat	8	37.0	69	1.86	4.6
Wallula	Benton	16	59.8	100	1.67	3.7
Washington	King	8	55.5	12	0.22	6.9
Whatcom	Whatcom	55	350.3	206	0.59	6.4
Yakima	Benton	5	10.0	15	1.50	2.0
Total		**211**	**1,128.8**	**815**	**0.72**	**5.3**

Length Frequency Distributions

A total of 33 smallmouth bass, ranging from 9 inches to 23 inches, were caught in 9 fishing trips to Banks Lake (Grant County) in 2002 (Figure 19).

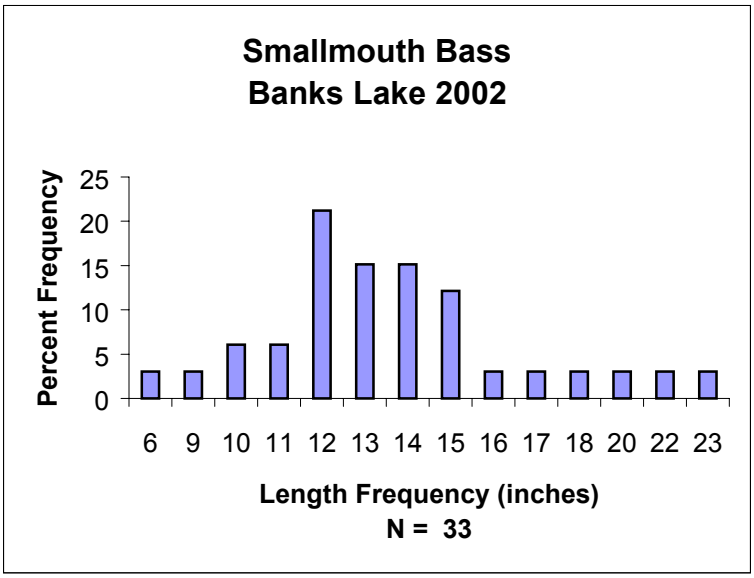


Figure 19. Length frequency distribution of largemouth bass in Banks Lake (Grant Co.) in 2002.

A total of 38 smallmouth bass, ranging from 15 inches to 19 inches, were caught in 3 fishing trips to Lake Celilo (Klickitat County) in 2002 (Figure 20).

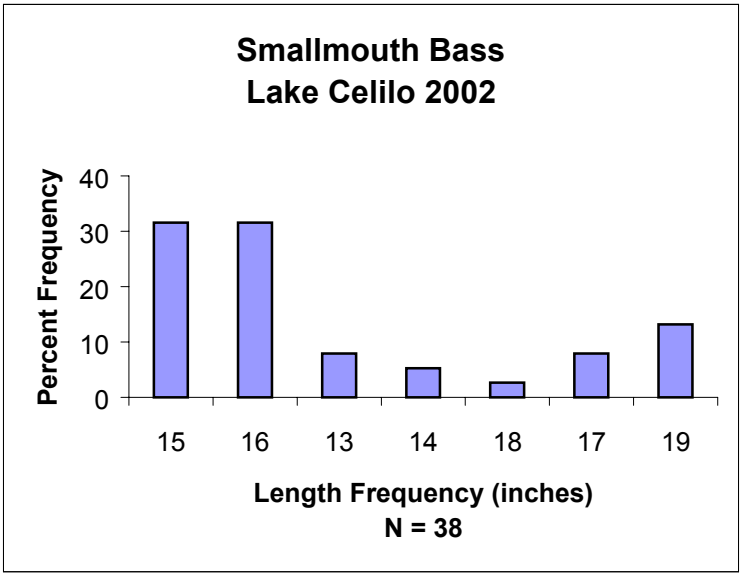


Figure 20. Length frequency distribution of largemouth bass in Lake Celilo (Klickitat Co.) in 2002.

A total of 16 smallmouth bass, ranging from 7 inches to 12 inches, were caught in 3 fishing trips to Lake Herbert G. West (Franklin County) in 2002 (Figure 21).

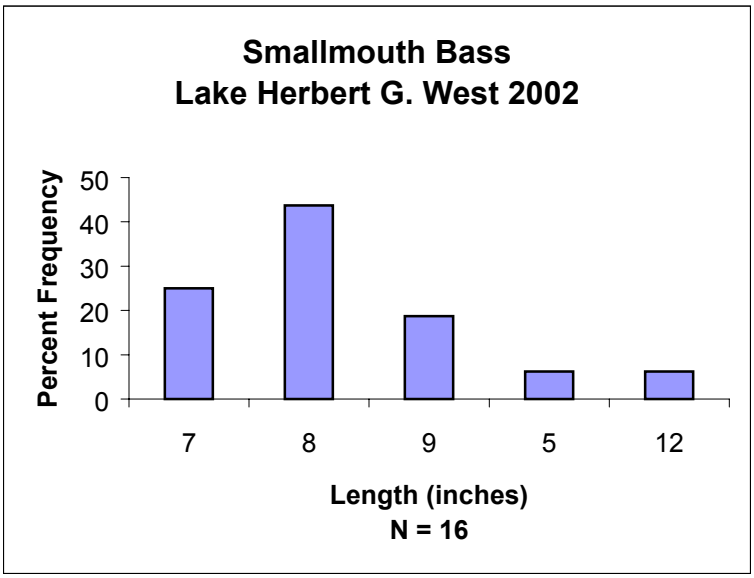


Figure 21. Length frequency distribution of largemouth bass in Lake Herbert G. West (Franklin Co.) in 2002.

A total of 26 smallmouth bass, ranging from 6 inches to 17 inches, were caught in 11 fishing trips to Moses Lake (Grant) in 2002 (Figure 22).

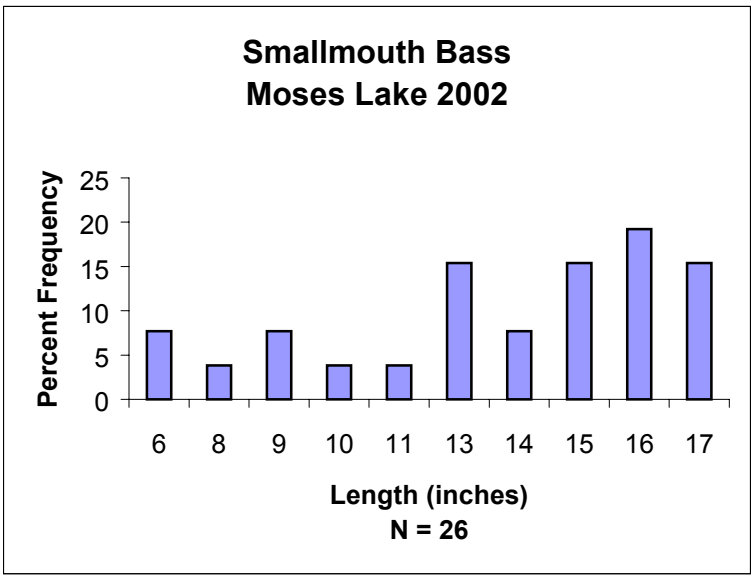


Figure 22. Length frequency distribution of largemouth bass in Moses Lake (Grant Co.) in 2002.

A total of 22 smallmouth bass, ranging from 9 inches to 23 inches, were caught in 4 fishing trips to the Okanogan River (Okanogan County) in 2002 (Figure 23).

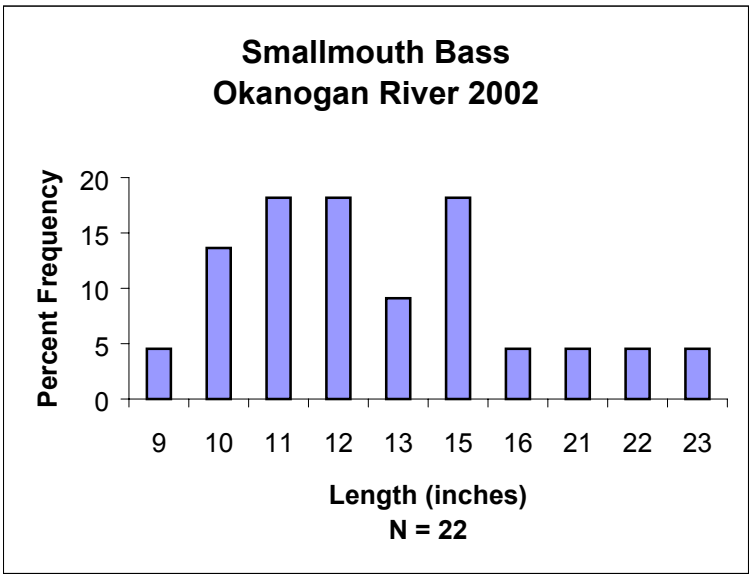


Figure 23. Length frequency distribution of largemouth bass in the Okanogan River (Okanogan Co.) in 2002.

A total of 32 smallmouth bass, ranging from 10 inches to 22 inches, were caught in 10 fishing trips to Osoyoos Lake (Okanogan County) in 2002 (Figure 24).

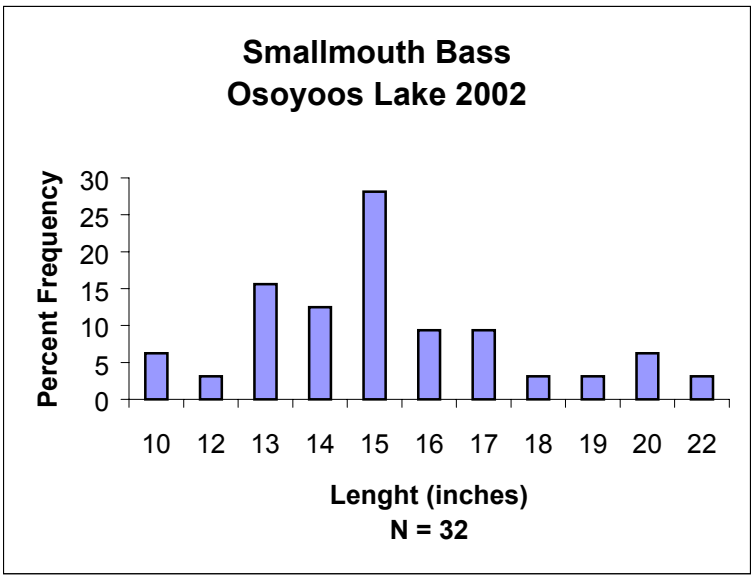


Figure 24. Length frequency distribution of largemouth bass in Osoyoos Lake (Okanogan Co.) in 2002.

A total of 127 smallmouth bass, ranging from 9 inches to 22 inches, were caught in 35 fishing trips to Palmer Lake (Okanogan County) in 2002 (Figure 25).

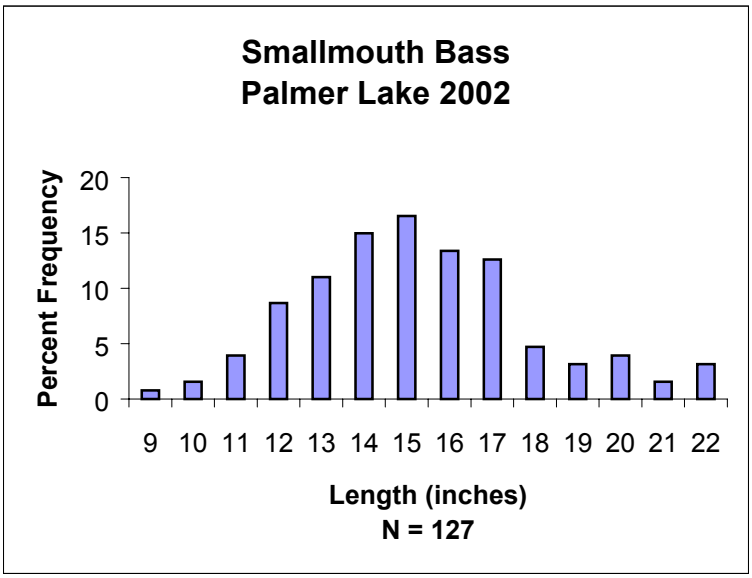


Figure 25. Length frequency distribution of largemouth bass in Palmer Lake (Okanogan Co.) in 2002.

A total of 10 smallmouth bass, ranging from 14 inches to 20 inches, were caught in 4 fishing trips to Potholes Reservoir (Grant County) in 2002 (Figure 26).

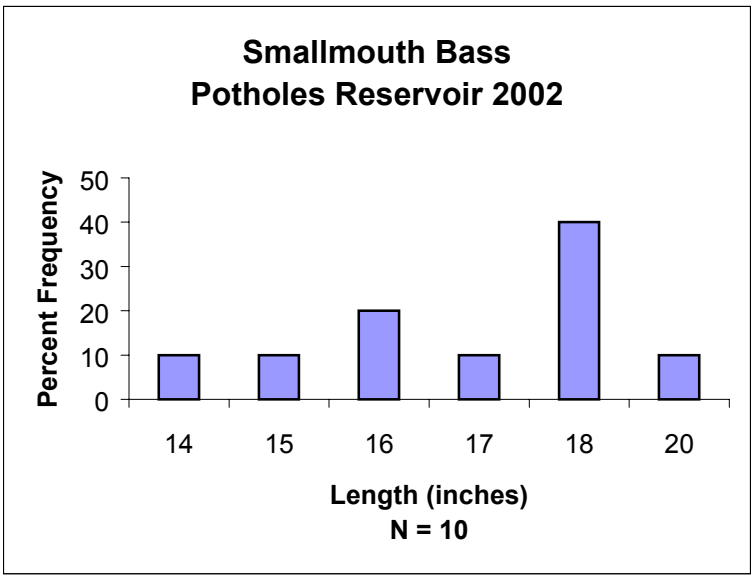


Figure 26. Length frequency distribution of largemouth bass in Potholes Reservoir (Grant Co.) in 2002.

A total of 10 smallmouth bass, ranging from 10 inches to 17 inches, were caught in 4 fishing trips to Riffe Lake (Lewis County) in 2002 (Figure 27).

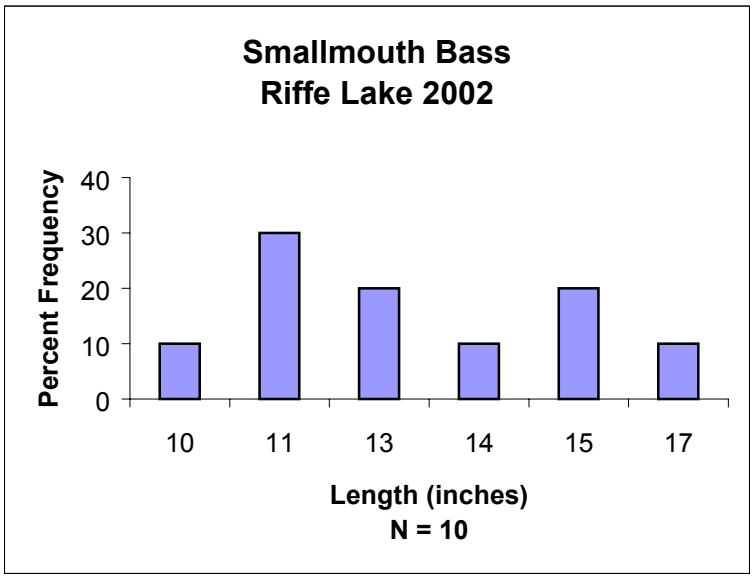


Figure 27. Length frequency distribution of largemouth bass in Riffe Lake (Lewis Co.) in 2002.

A total of 30 smallmouth bass, ranging from 5 inches to 17 inches, were caught in 5 fishing trips to Lake Roosevelt (Okanogan and Stevens Counties) in 2002 (Figure 28).

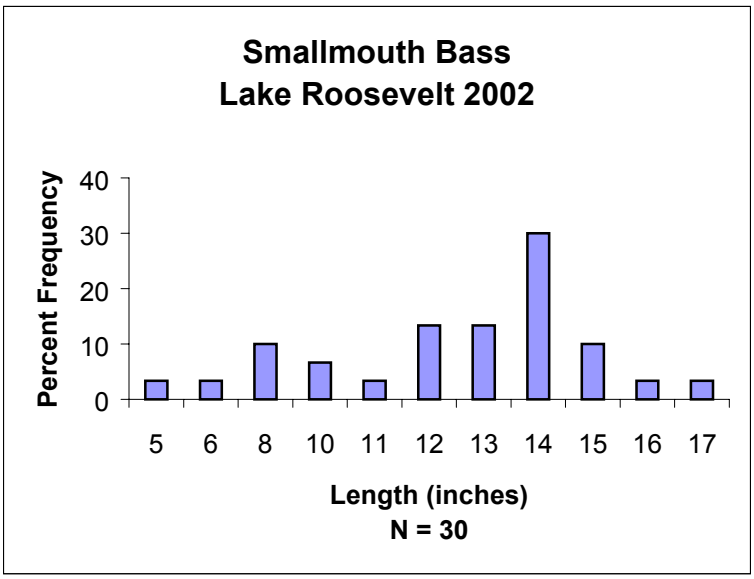


Figure 28. Length frequency distribution of largemouth bass in Lake Roosevelt (Okanogan and Stevens Cos.) in 2002.

A total of 15 smallmouth bass, ranging from 6 inches to 16 inches, were caught in 3 fishing trips to Rufus Woods Lake (Douglas County) in 2002 (Figure 29).

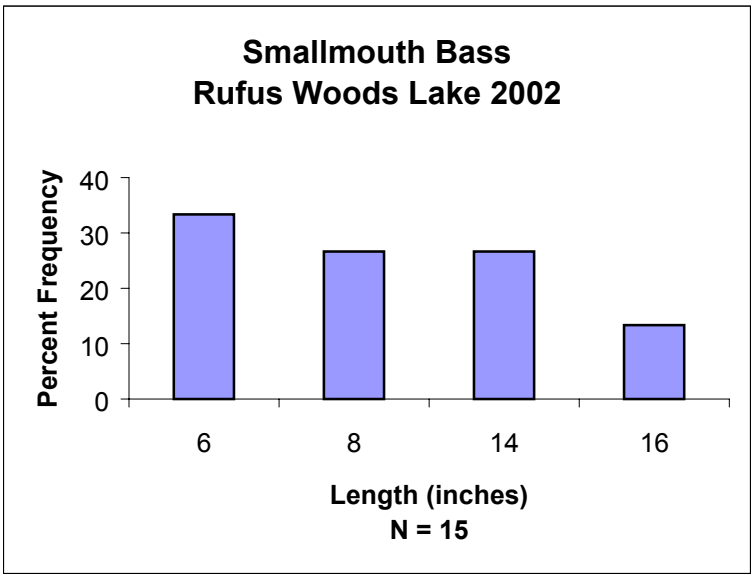


Figure 29. Length frequency distribution of largemouth bass in Rufus Woods Lake (Douglas Co.) in 2002.

A total of 43 smallmouth bass, ranging from 8 inches to 19 inches, were caught in 8 fishing trips to Lake Sammamish (King County) in 2002 (Figure 30).

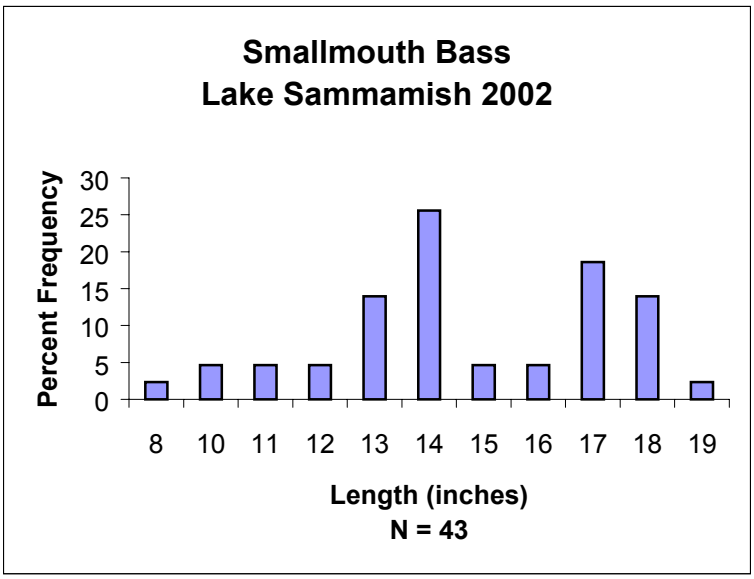


Figure 30. Length frequency distribution of largemouth bass in Lake Sammamish (King Co.) in 2002.

A total of 31 smallmouth bass, ranging from 10 inches to 22 inches, were caught in 4 fishing trips to Sinlahekin Creek (Okanogan County) in 2002 (Figure 31).

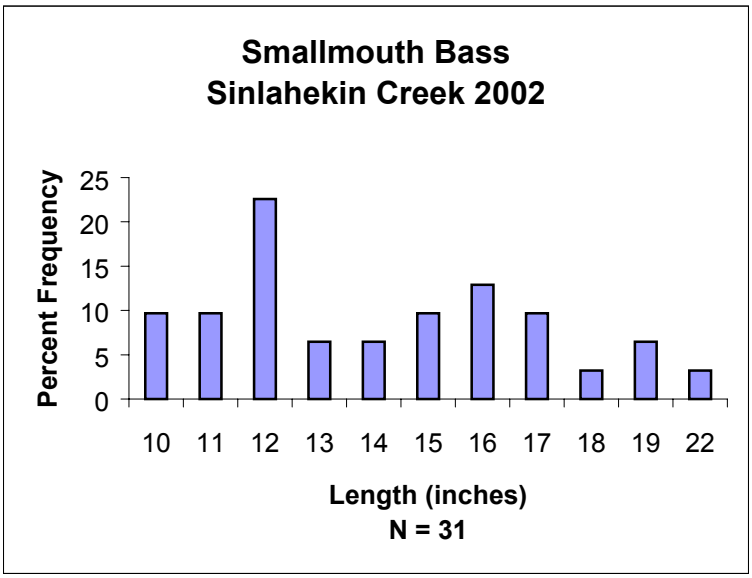


Figure 31. Length frequency distribution of largemouth bass in Sinlahekin Creek (Okanogan Co.) in 2002.

A total of 23 smallmouth bass, ranging from 8 inches to 22 inches, were caught in 5 fishing trips to Spanaway Lake (Pierce County) in 2002 (Figure 32).

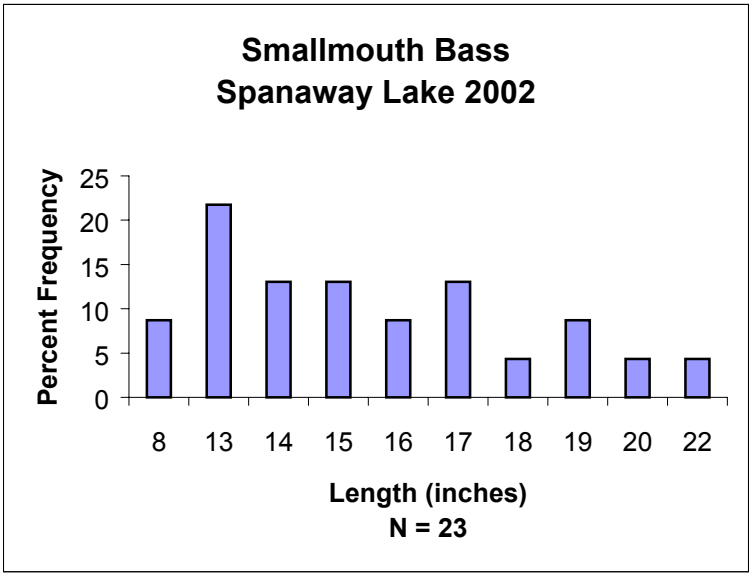


Figure 32. Length frequency distribution of largemouth bass in Spanaway Lake (Pierce Co.) in 2002.

A total of 73 smallmouth bass, ranging from 9 inches to 18 inches, were caught in 8 fishing trips to Lake Umatilla (Benton and Klickitat Counties) in 2002 (Figure 33).

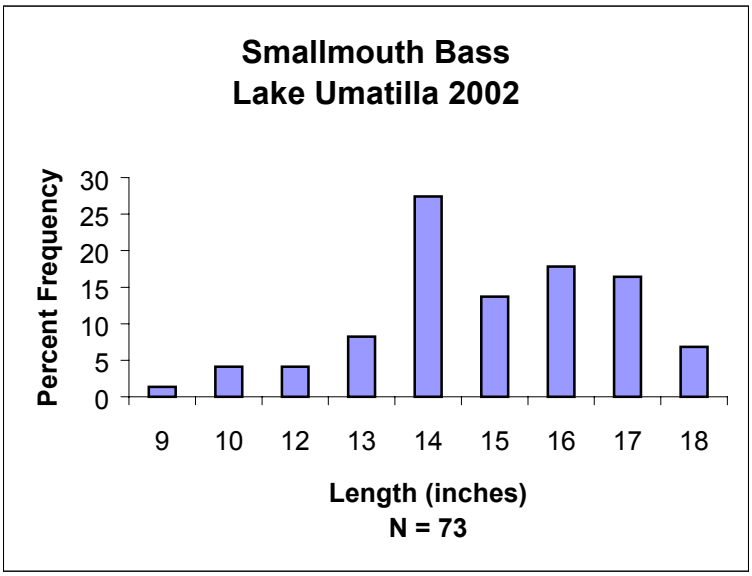


Figure 33. Length frequency distribution of largemouth bass in Lake Umatilla (Benton and Klickitat Cos.) in 2002.

A total of 110 smallmouth bass, ranging from 11 inches to 23 inches, were caught in 16 fishing trips to Lake Wallula (Benton County) in 2002 (Figure 34).

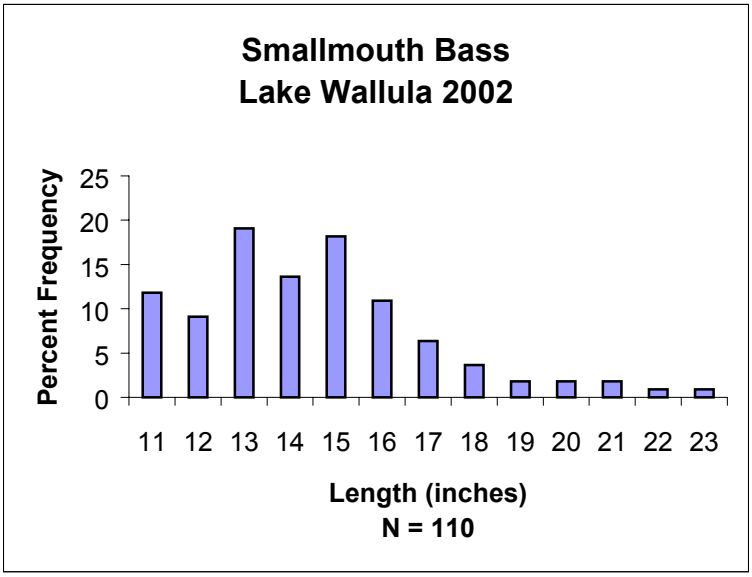


Figure 34. Length frequency distribution of largemouth bass in Lake Wallula (Benton Co.) in 2002.

A total of 19 smallmouth bass, ranging from 4 inches to 17 inches, were caught in 8 fishing trips to Lake Washington (King County) in 2002 (Figure 35).

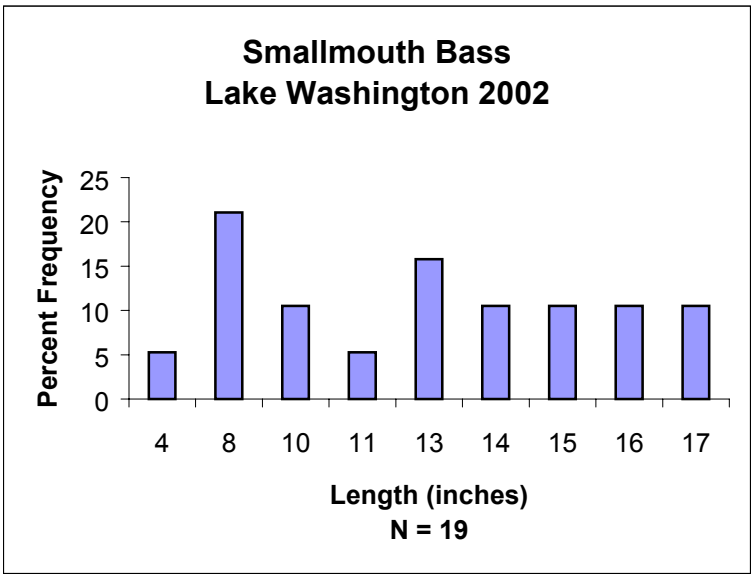


Figure 35. Length frequency distribution of largemouth bass in Lake Washington (King Co.) in 2002.

A total of 253 smallmouth bass, ranging from 4 inches to 25 inches, were caught in 55 fishing trips to Lake Whatcom (Whatcom County) in 2002 (Figure 36).

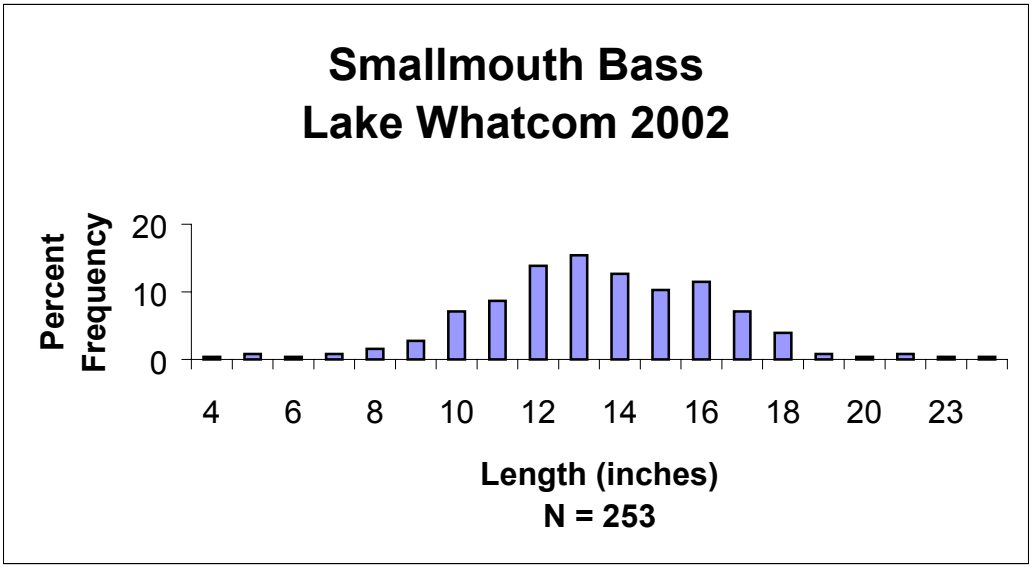


Figure 36. Length frequency distribution of largemouth bass in Lake Whatcom (Whatcom Co.) in 2002.

A total of 20 smallmouth bass, ranging from 9 inches to 15 inches, were caught in 5 fishing trips to the Yakima River (Benton County) in 2002 (Figure 37).

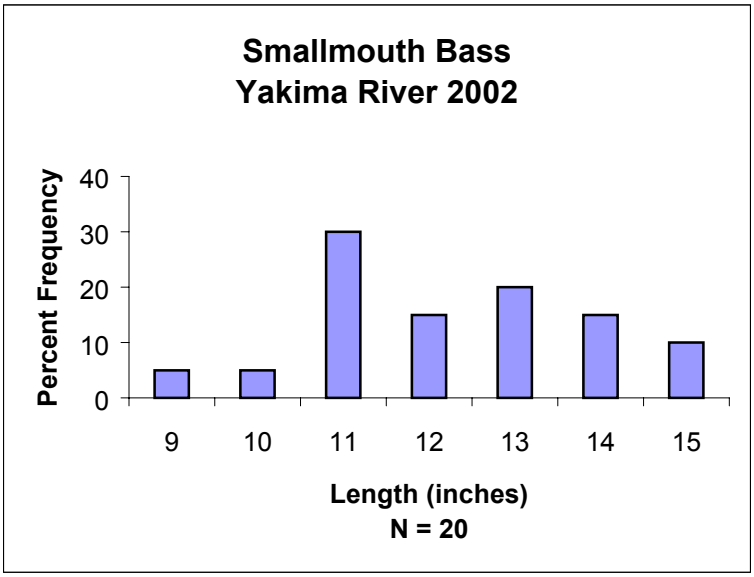


Figure 37. Length frequency distribution of largemouth bass in the Yakima River (Benton Co.) in 2002.

Comparative Catch Information

The statewide CPUE for smallmouth bass of any size was 0.85 fish per hour in 2002. The statewide CPUE for smallmouth bass of any size was highest in 1995 at 1.31 fish per hour. The CPUE for all other years in which data was collected, ranged from 0.34 to 1.06 (Table 5). The statewide CPUE for smallmouth bass 11 inches or greater was 0.72 fish per hour in 2002. The statewide CPUE for smallmouth bass 11 inches or greater was highest in 1995 at 1.14 fish per hour. The CPUE for other years in which data was collected, ranged for 0.25 to 0.84 fish per hour (Table 5).

Table 4. Annual average volunteer angler catch rate (catch per unit effort (CPUE) for smallmouth bass caught of any size and for smallmouth bass 11 inches or greater, 1990-2002 (no data was available for 1999).

			All Sizes		≥ 11 inches	
Year	**No. of Waters**	**Hours Fished**	**No. Caught**	**CPUE**	**No. Caught**	**CPUE**
1990	19	432.0	378	0.88	240	0.56
1991	25	864.0	525	0.61	315	0.36
1992	19	610.0	525	0.86	403	0.66
1993	21	851.0	900	1.06	609	0.72
1994	17	535.0	294	0.55	227	0.42
1995	6	227.0	297	1.31	253	1.11
1996	14	609.0	563	0.92	512	0.84
1997	11	548.5	344	0.63	253	0.46
1998	8	282.5	96	0.34	71	0.25
1999	no data	no data	no data	no data	no data	no data
2000	14	529.5	418	0.79	295	0.56
2001	21	417.5	323	0.77	190	0.46
2002	29	1,128.8	959	0.85	815	0.72

Walleye

Catch Data

A total of 261 walleye, 15 inches or greater, were caught in 597.8 hours fished on 116 individual fishing trips to15 different waters in 2002 (Table 6). Catch and release information was available for all trips. Anglers reported practicing catch and release fishing on walleye in 2002 on 21 (18%) trips. Catch and release information was available for 342 walleye of all sizes caught. Forty-two percent (143) of those fish were released. Catch and release information was also available for 261 walleye 15 inches or greater caught. Thirty-three percent (87) of those fish were released.

Table 5. Summary of catch, hours fished, and catch rates (catch per unit effort (CPUE)) for walleye 15 inches or greater for each individual water fished in 2002.

Water	County	No. of Trips	Hours Fished	No. Fish Caught	CPUE	Avg. Trip Length (hrs)
Banks	Grant	5	26.5	16	0.64	5.3
Bonneville	Skamania	1	8.0	4	0.50	8.0
Celilo	Klickitat	4	32.0	11	0.34	8.0
Columbia	Clark	5	26.0	10	0.38	5.2
Evergreen	Grant	3	7.5	5	0.93	2.5
Moses	Grant	29	113.0	43	0.52	3.9
Potholes	Grant	22	116.0	58	0.53	5.3
Roosevelt	Ferry, Lincoln, Okanogan, Stevens	16	82.3	34	0.43	5.1
Rufus Woods	Douglas, Okanogan	8	55.5	33	0.59	6.9
Scooteney	Franklin	1	5.0	1	0.20	5.0
Soda	Grant	2	7.5	4	0.53	3.8
Spokane	Lincoln, Stevens	2	8.5	2	0.24	4.3
Sprague	Adams, Lincoln	16	98.0	38	0.39	6.1
Wallula	Benton	1	6.0	1	0.17	6.0
Wanapum	Grant	1	6.0	1	0.17	6.0
Total		**116**	**597.8**	**261**	**0.67**	**5.0**

Length Frequency Distributions

A total of 17 walleye, ranging from 14 inches to 20 inches, were caught in 5 fishing trips to Banks Lake (Grant County) in 2002 (Figure 38).

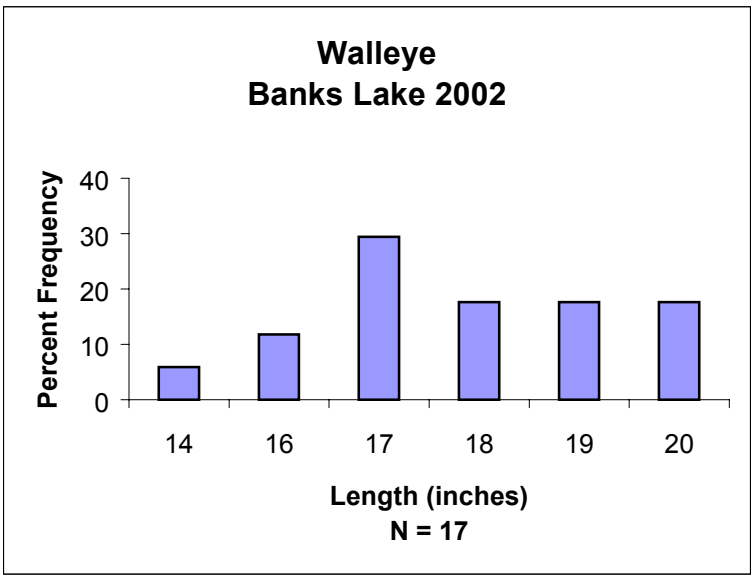


Figure 38. Length frequency distribution of walleye in Banks Lake (Grant Co.) in 2002.

A total of 11 walleye, ranging from 15 inches to 23 inches, were caught in 4 fishing trips to Lake Celilo (Klickitat County) in 2002 (Figure 39).

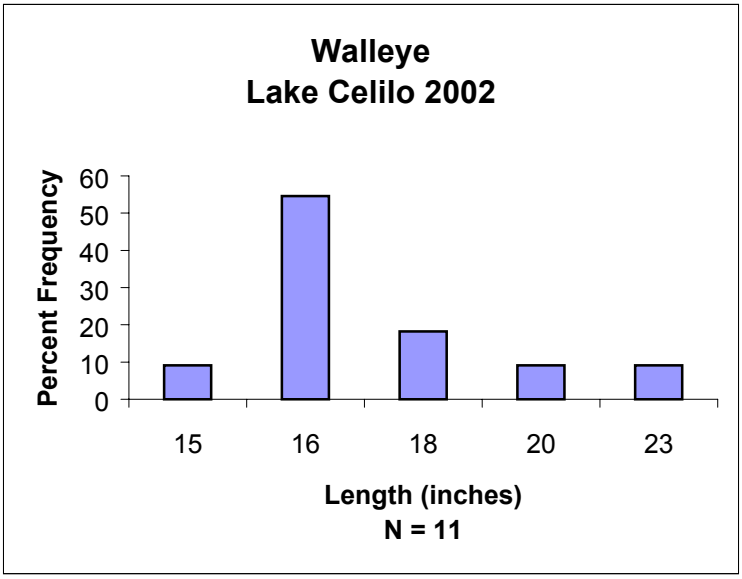


Figure 39. Length frequency distribution of walleye in Lake Celilo (Klickitat Co.) in 2002.

A total of 10 walleye, ranging from 16 inches to 34 inches, were caught in 5 fishing trips to the Lower Columbia River (Clark County) in 2002 (Figure 40).

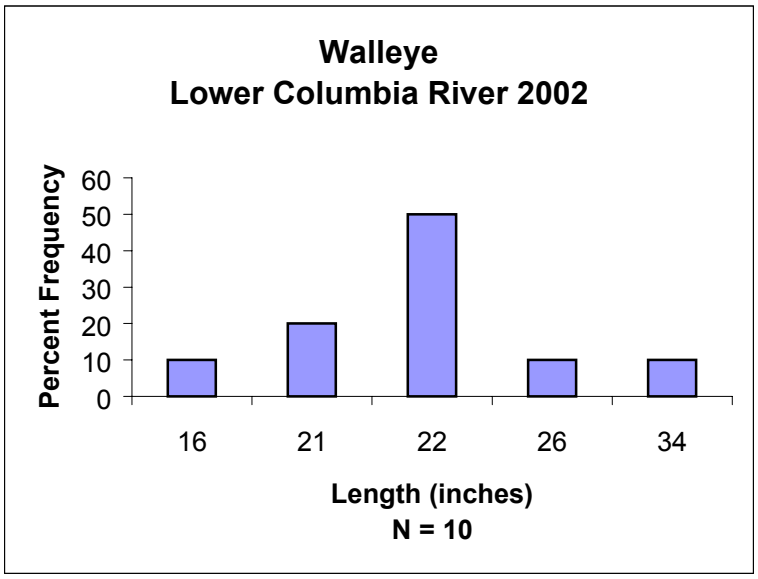


Figure 40. Length frequency distribution of walleye in the Lower Columbia River (Clark Co.) in 2002.

A total of 59 walleye, ranging from 10 inches to 28 inches, were caught in 29 fishing trips to Moses Lake (Grant County) in 2002 (Figure 41).

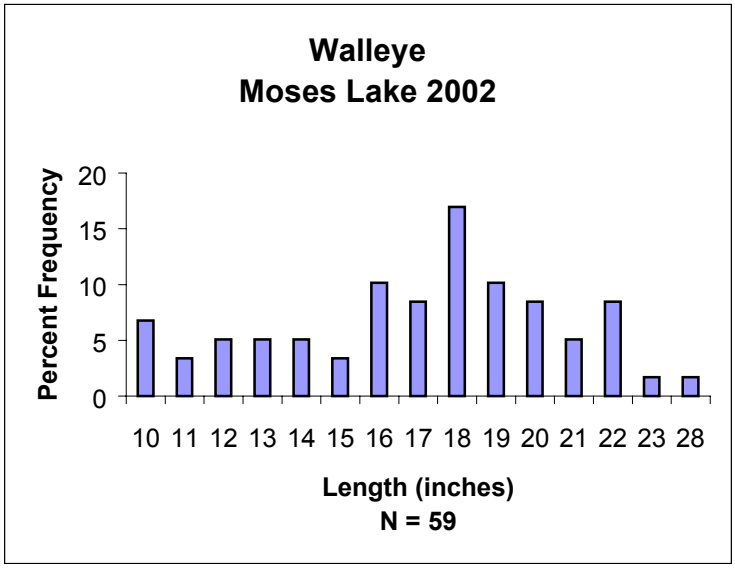


Figure 41. Length frequency distribution of walleye in Moses Lake (Grant Co.) in 2002.

A total of 61 walleye, ranging from 8 inches to 27 inches, were caught in 22 fishing trips to Potholes Reservoir (Grant County) in 2002 (Figure 42).

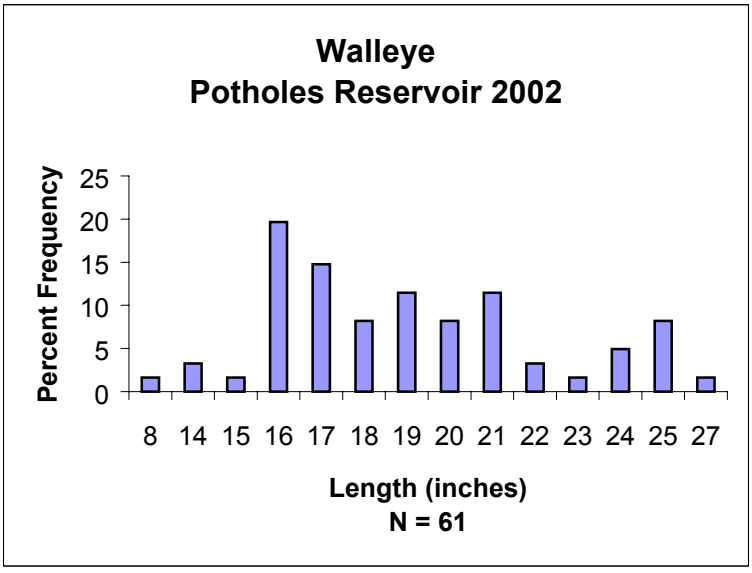


Figure 42. Length frequency distribution of walleye in Potholes Reservoir (Grant Co.) in 2002.

A total of 81 walleye, ranging from 6 inches to 30 inches, were caught in 16 fishing trips to Lake Roosevelt (Ferry, Lincoln, Okanogan, and Stevens Counties) in 2002 (Figure 43).

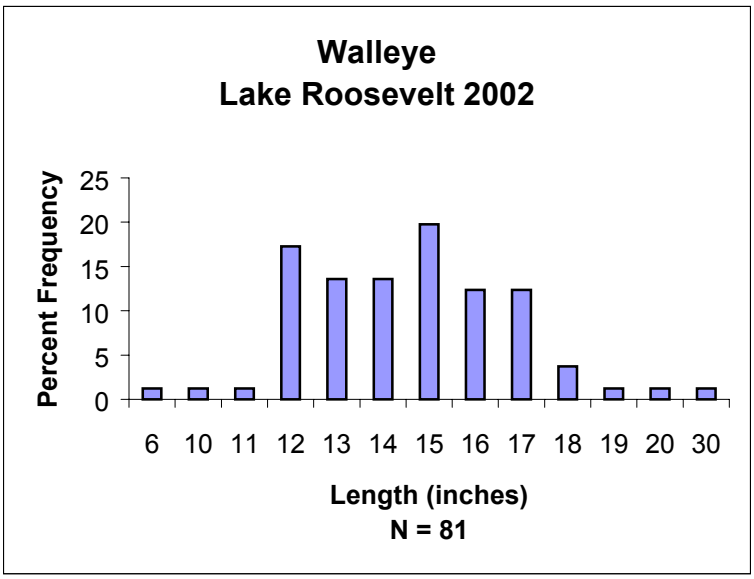


Figure 43. Length frequency distribution of walleye in Lake Roosevelt (Ferry, Lincoln, Okanogan, and Stevens Cos.) in 2002.

A total of 35 walleye, ranging from 8 inches to 28 inches, were caught in 8 fishing trips to Rufus Woods Lake (Douglas and Okanogan Counties) in 2002 (Figure 44).

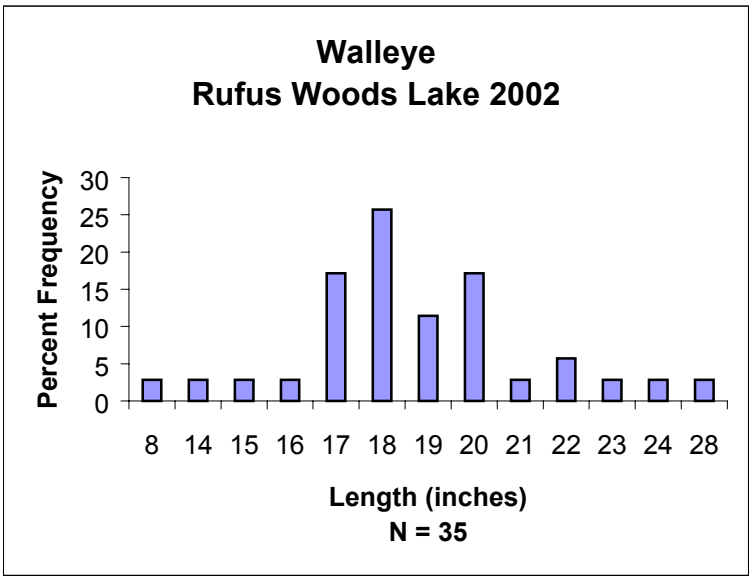


Figure 44. Length frequency distribution of walleye in Rufus Woods Lake (Douglas and Okanogan Cos.) in 2002.

A total of 43 walleye, ranging from 12 inches to 24 inches, were caught in 16 fishing trips to Sprague Lake (Adams and Lincoln Counties) in 2002 (Figure 45).

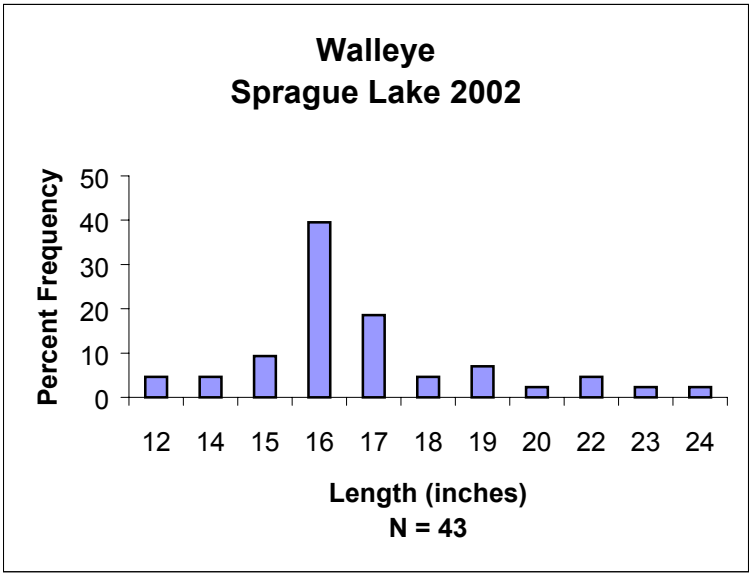


Figure 45. Length frequency distribution of walleye in Sprague Lake (Adams and Lincoln Cos.) in 2002.

Comparative Catch Information

The statewide CPUE for walleye of any size was 0.57 fish per hour in 2002. The statewide CPUE for walleye of any size was highest in 1994 at 1.34 fish per hour. The CPUE for all other years, in which data was collected, has ranged from 0.24 to 1.16 (Table 7). The statewide CPUE for walleye 15 inches or greater was 0.44 fish per hour in 2002. The statewide CPUE walleye 15 inches or greater was highest in 1995 0.68 fish per hour. The CPUE for other years, in which data was collected, ranged for 0.14 to 0.67 fish per hour (Table 7).

Table 6. Annual average volunteer angler catch rate (catch per unit effort (CPUE) for walleye caught of any size and for walleye 15 inches or greater, 1990-2002 (no data was available for 1999). Prior to 2001, the quality size for walleye was 16 inches.

			All Sizes		≥ 15 inches	
Year	No. of Waters	Hours Fished	No. Caught	CPUE	No. Caught	CPUE
1990	7	272.0	89	0.33	78	0.29
1991	9	323.0	440	1.36	160	0.50
1992	9	1,607.0	1,680	1.05	810	0.50
1993	13	1,584.0	1,335	0.84	804	0.51
1994	10	691.0	927	1.34	466	0.67
1995	7	436.0	506	1.16	297	0.68
1996	10	1,721.0	1539	0.89	1,003	0.58
1997	5	568.0	311	0.55	214	0.38
1998	9	588.3	349	0.59	197	0.33
1999	no data	no data	no data	no data	no data	no data
2000	13	1,382.8	334	0.24	210	0.15
2001	11	641.0	163	0.25	88	0.14
2002	15	597.8	342	0.57	261	0.44

Black Crappie

Catch Data

A total of 56 black crappie, 8 inches or greater, were caught in 46.0 hours fished on 10 individual trips to 5 different waters in 2002 (Table 8). Catch and release information was available for all trips. Anglers reported practicing catch and release fishing on black crappie in 2002 on zero trips. Catch and release information was available for 65 black crappie of any size. Thirty-seven percent (24) of those fish were released. Catch and release information was also available for 56 black crappie 8 inches or greater caught. Twenty-seven percent (15) of those fish were released.

Table 7. Summary of catch, hours fished, and catch rates (catch per unit effort (CPUE)) for black crappie 8 inches or greater for each individual water fished in 2002.

Water	County	No. of Trips	Hours Fished	No. Fish Caught	CPUE	Avg. Trip Length (hrs)
Duck	Grays Harbor	1	3.0	0	0.00	3.0
Potholes	Grant	1	5.5	0	0.00	5.5
Sprague	Adams	5	28.0	41	1.46	5.6
Umatilla	Benton	1	5.5	2	0.36	5.5
Woodhouse	Kittitas	2	4.0	13	3.25	2.0
Total		**10**	**46.0**	**56**	**1.22**	**4.6**

Length Frequency Distribution

A total of 41 black crappie, ranging from 8 inches to 10 inches, were caught in 5 fishing trips to Sprague Lake (Adams and Lincoln Counties) in 2002 (Figure 46).

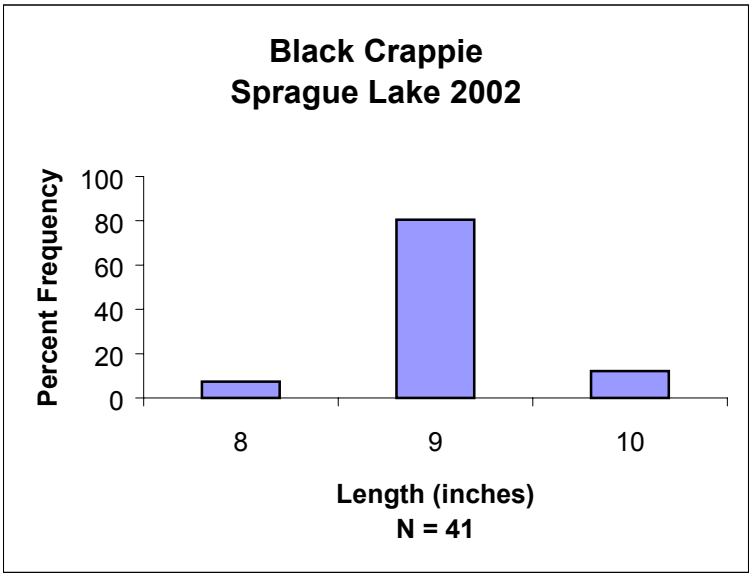


Figure 46. Length frequency distribution of black crappie in Sprague Lake (Adams and Lincoln Cos.) in 2002.

A total of 15 black crappie, ranging from 7 inches to 9 inches, were caught in 2 fishing trips to Woodhouse Ponds (Kittitas County) in 2002 (Figure 47).

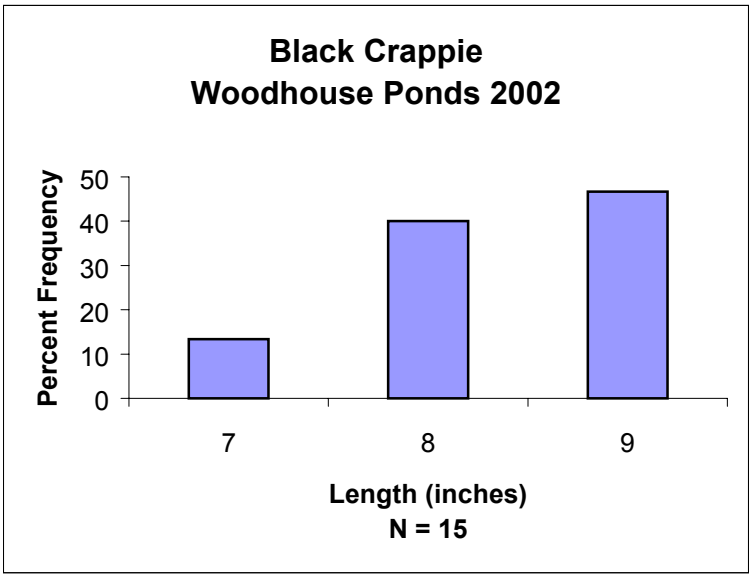


Figure 47. Length frequency distribution of black crappie in Woodhouse Ponds (Kittitas Co.) in 2002.

Comparative Catch Information

The statewide CPUE for black crappie of any size was 1.41 in 2002. Last year it was 2.36. There is no data on black crappie CPUE prior to 2001 for comparison. The statewide CPUE for black crappie 8 inches or greater was 1.22 in 2002. Last year it was 1.16. There is no data on black crappie CPUE prior to 2001 for comparison.

Tiger Muskie

Catch Data

One tiger muskie, 36 inches or greater was caught in 2 hours fished on an individual trip in 2002 (Table 9). Catch and release information was available for this trip. The tiger muskie was caught and released. This fish was a quality size fish (≥ 36 inches).

Table 8. Summary of catch, hours fished, and catch rates (catch per unit effort (CPUE)) for tiger muskie 36 inches or greater for each individual water fished in 2002.

Water	County	No. of Trips	Hours Fished	No. Fish Caught	CPUE	Avg. Trip Length (hrs)
Evergreen	Grant	1	2.0	1	0.50	2.0

Comparative Catch Information

The statewide CPUE for tiger muskie of any size was 0.50 in 2002. Last year it was 0.10. There is no data on tiger muskies prior to 2001 for comparison. Since only one tiger muskie was caught and it was greater than 36 inches, the statewide CPUE for tiger muskie 36 inches or greater was the same as the CPUE for tiger muskies of any size. Last year it was 0.08. There is no data on tiger muskies prior to 2001 for comparison.

Channel Catfish

Catch Data

A total of ten channel catfish 16 inches or greater were caught in ten hours fished on two individual trips to one body of water in 2002 (Table 10). Catch and release information was available for both trips. Catch and release fishing was practiced on one (50%) trip. Catch and release fishing information was available for twelve individual channel catfish of any size caught. Seven (58%) of these fish were released. Catch and release information was also available for ten individual channel catfish 16 inches or greater caught. Six (60%) of these fish were released.

Table 9. Summary of catch, hours fished, and catch rates (catch per unit effort (CPUE)) for channel catfish 16 inches or greater for each individual water fished in 2002.

Water	County	No. of Trips	Hours Fished	No. Fish Caught	CPUE	Avg. Trip Length (hrs)
Whitestone	Okanogan	2	10.0	10	1.00	5.0

Comparative Catch Information

The statewide CPUE for channel catfish of any size was 1.20 in 2002. Last year it was 0.00. There is no data on channel catfish prior to 2001 for comparison. The statewide CPUE for channel catfish 16 inches or greater was 1.00 in 2002. Last year it was 0.00. There is no data on channel catfish prior to 2001 for comparison.