


Summary Report of Warmwater Volunteer Angler Diaries 2005



Warmwater Fish Enhancement

by Bruce M. Baker



Washington Department of
FISH AND WILDLIFE
Fish Program
Fish Management Division

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Abstract

Twenty-eight registered anglers and 28 guest anglers participated in 2005. Useable data was submitted for 509 trips to 58 different bodies of water. A total of 64 black crappie were caught (23 were quality size) and 52% of these fish were released. No channel catfish were caught in 2005. A total of 564 largemouth bass were caught (253 were quality size) and 98% of these fish were released. A total of 367 smallmouth bass (264 were quality size) and 94% of these fish were released. A total of 34 tiger muskie were caught (22 were quality size) and 100% of them were released. A total of 1096 walleye were caught (690 were quality size) and 48% of these fish were released.

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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: _____
(Indicate pond, stream or catchnet or stream name)

COUNTY: _____

TARGET SPECIES: WAL LMB SMB BC TMK CC
(Circle all that apply for this trip)

Catch Information

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

	Species	Length	Species	Length	Species	Length
Record Total Lengths to the Nearest 1/4 inch R = Released (Please circle if released)		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 to Total 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 Capitol 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 has been to enlist 100 anglers from all regions of the state that actively pursue warmwater game fish and to have them provide information about their fishing trips. Unfortunately, the program has not yet met that goal. In 2000 the program came close to having 100 registered anglers, but came up a little short. From 2001 to 2004, the program did have over 100 registered anglers, however not all of these anglers were providing data. In fact, there are currently 55 registered anglers who's status is unknown. They have not provided any data and attempts to contact them in order to find out if they want to continue to participate in the program or not, have been unsuccessful. It is probably safe to assume that they no longer have an interest in participating in the program. In addition, since 2001, a total of 50 anglers have left 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 56 anglers in 2005. A participating angler is either a registered angler or a guest angler. A registered angler is defined as an angler that has signed up for the program, has been issued a data book, and either submits a data sheet or sheets each year or expresses an interest to continue in the program. A guest angler is an angler that has not signed up for the program, but fishes with a registered angler on one or more occasions and fills out a data sheet for his/her fishing trip(s). The number of anglers that have participated each year has ranged from a low of 13 in 1990 to a high of 56 (this year), with an average of 26 anglers per year. A total of 56 anglers participated in the program this past year and 50% of these anglers were registered.

The 56 anglers submitted data for a total of 539 individual fishing trips. The data from 5.6% of these trips had to be excluded because they were unusable. Therefore, the final dataset came from data from a total of 509 individual fishing trips conducted on 58 different bodies of water. A total of 564 largemouth bass, 367 smallmouth bass, 1096 walleye, 64 black crappie, and 34 tiger muskie were reported being caught. Ninety-eight percent (N = 555) of the 564 largemouth bass caught were released. Ninety-four percent (N = 345) of the 367 smallmouth bass caught were released. Forty-eight percent (N = 528) of the 1096 walleye caught were released. Fifty-two percent (N = 33) of the 64 black crappie caught were released. One hundred percent (N=34) of the tiger muskie caught were released.

Table 1. Angler participation and number of trips from 1990-2005.

Year	No. of Registered Anglers	No. of Participating Anglers	No. of Registered Anglers Participating	No. of Guest Anglers Participating	Percent Registered Angers Participating	No. of Trips
1990	no data	14	14	0	no data	210
1991	no data	21	21	0	no data	482
1992	no data	27	27	0	no data	760
1993	62	27	27	0	44	655
1994	32	17	17	0	53	361
1995	27	12	12	0	44	235
1996	45	21	21	0	47	583
1997	47	14	14	0	30	281
1998	48	13	13	0	27	201
1999	no data	no data	no data	no data	no data	no data
2000	92	45	13	32	14	402
2001	113	33	28	5	25	271
2002	132	44	27	17	27	549
2003	146	42	26	16	18	493
2004	116	36	27	9	23	504
2005	72	56	28	28	39	509

Largemouth Bass

Catch Data

A total of 253 largemouth bass, 12 inches or greater, were caught in 586.3 hours fished on 119 individual fishing trips to 37 different waters in 2005. Catch and release information was available for all trips. Anglers reported practicing catch and release fishing on largemouth bass in 2005 on 115 (97%) trips. Catch and release information was available for 564 individual largemouth bass of all sizes caught. Ninety-eight percent (555) of those fish were released. Catch and release information was also available for 253 individual largemouth bass 12 inches or greater caught. Ninety-nine percent (250) 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 2005 (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 2005.

Water	County	No. of Trips	Hours Fished	No. of Fish Caught	CPUE	Avg Trip Length (hrs)
Beaver	King	1	2.5	0	0.00	2.5
Big	Skagit	2	13.5	5	0.37	6.8
Black	Thurston	2	6.5	6	0.92	3.3
Campbell	Skagit	5	15.5	7	0.45	3.1
Cassidy	Snohomish	1	2.5	1	0.40	2.5
Clear	Pierce	1	3.0	1	0.33	3.0
Clear	Skagit	2	9.5	6	0.63	4.8
Coffee Pot	Lincoln	1	7.0	2	0.29	7.0
Cottage	King	1	6.5	2	0.31	6.5
Dickey	Clallam	1	2.0	2	1.00	2.0
Duck	Grays Harbor	10	50.5	20	0.40	9.2
Evergreen	Grant	1	3.0	1	0.33	3.0
Fenwick	King	9	22.8	0	0.00	2.5
Flowing	Snohomish	1	3.0	0	0.00	3.0
Heart	Skagit	2	5.5	2	0.36	2.8
Hicks	Thurston	1	7.0	1	0.14	7.0
Leland	Jefferson	10	85.0	9	0.11	8.5
Long	Kitsap	3	28.0	6	0.21	9.3
Long	Thurston	2	8.5	8	0.94	4.3
Mason	Mason	2	8.5	2	0.24	4.3
Nahwatzel	Mason	2	10.0	12	1.20	5.0
Palmer	Okanogan	1	3.0	4	1.33	3.0
Pattison	Thurston	1	5.0	4	0.80	5.0
Potholes	Grant	4	17.0	14	0.82	4.3
Red Rock	Grant	3	18.0	16	0.89	6.0
Samish	Whatcom	2	11.5	6	0.52	5.8
Sammamish	King	1	8.0	0	0.00	8.0
Silver	Cowlitz	3	22.5	4	0.18	7.5
Silver	Spokane	5	16.5	6	0.36	3.3
Spencer	Mason	1	4.0	0	0.00	4.0
St. Clair	Thurston	5	18.0	18	1.00	3.6
Terrell	Whatcom	26	124.0	64	0.52	4.8
Twin	Lincoln	1	7.0	2	0.29	7.0
Wapato	Chelan	1	1.0	0	0.00	1.0
Washington	King	2	15.5	6	0.39	7.8
Whatcom	Whatcom	2	9.0	3	0.33	4.5
Whitestone	Okanogan	1	6.0	13	2.17	6.0
Total		119	586.3	253	0.43	4.9

Length Frequency Distributions

A total of 16 largemouth bass, ranging from 6 inches to 20 inches, were caught on 2 fishing trips to Big Lake (Skagit County) in 2005 (Figure 2).

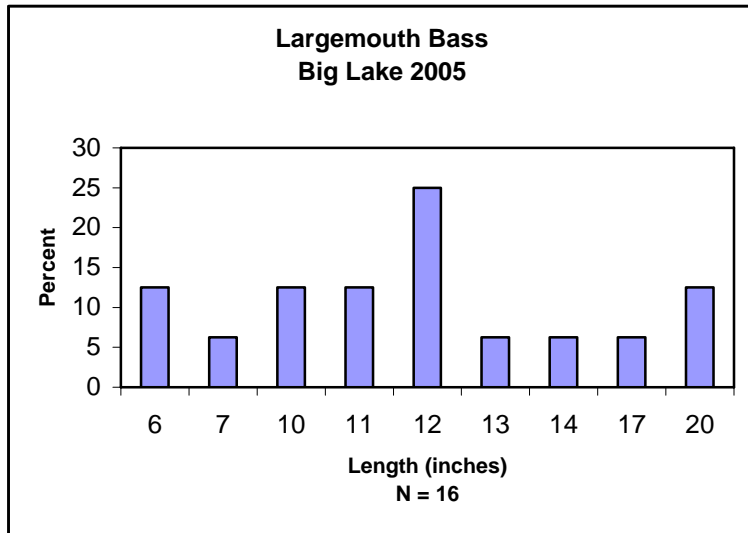


Figure 2. Length frequency distribution of largemouth bass in Big Lake (Skagit Co.) in 2005.

A total of 24 largemouth bass, ranging from 6 inches to 18 inches, were caught on 5 fishing trips to Campbell Lake (Skagit County) in 2005 (Figure 3).

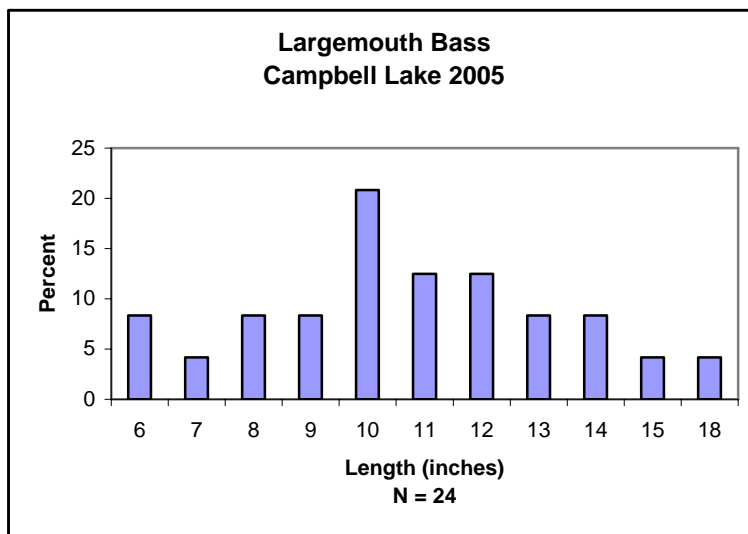


Figure 3. Length frequency distribution of largemouth bass in Campbell Lake (Skagit Co.) in 2005.

A total of 25 largemouth bass, ranging from 10 inches to 19 inches, were caught on 10 fishing trips to Duck Lake (Grays Harbor County) in 2005 (Figure 4).

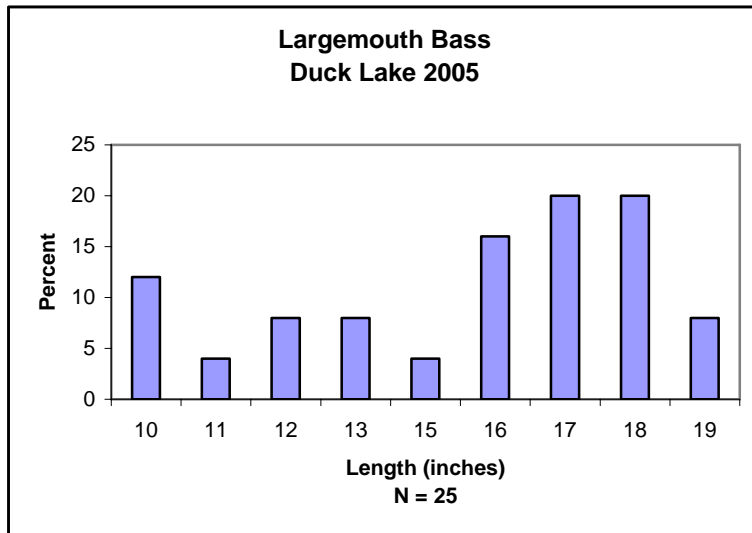


Figure 4. Length frequency distribution of largemouth bass in Duck Lake (Grays Harbor Co.) in 2005.

A total of 49 largemouth bass, ranging from 4 inches to 10 inches, were caught on 9 fishing trips to Fenwick Lake (King County) in 2005 (Figure 5).

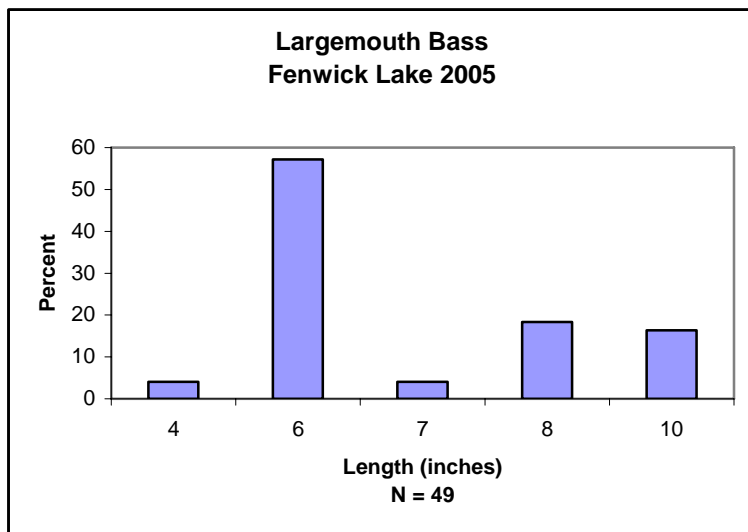


Figure 5. Length frequency distribution of largemouth bass in Fenwick Lake (King Co.) in 2005.

A total of 80 largemouth bass, ranging from 5 inches to 19 inches, were caught on 10 fishing trips to Leland Lake (Jefferson County) in 2005 (Figure 6).

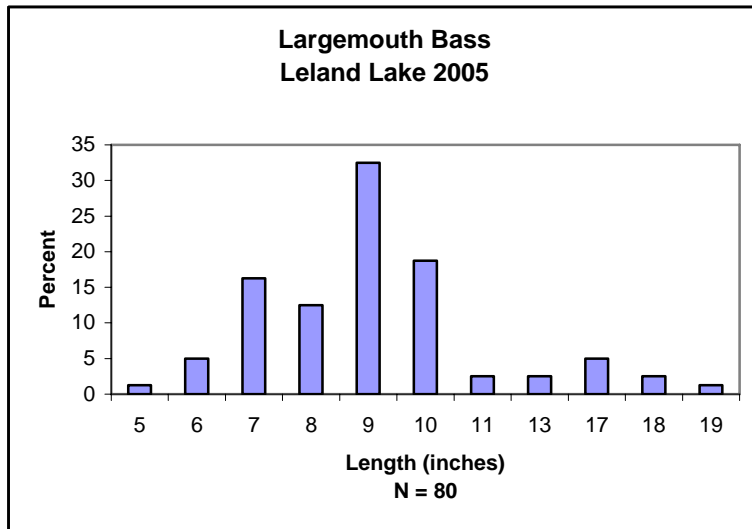


Figure 6. Length frequency distribution of largemouth bass in Leland Lake (Jefferson Co.) in 2005.

A total of 10 largemouth bass, ranging from 9 inches to 21 inches, were caught on 2 fishing trips to Long Lake (Thurston County) in 2005 (Figure 7).

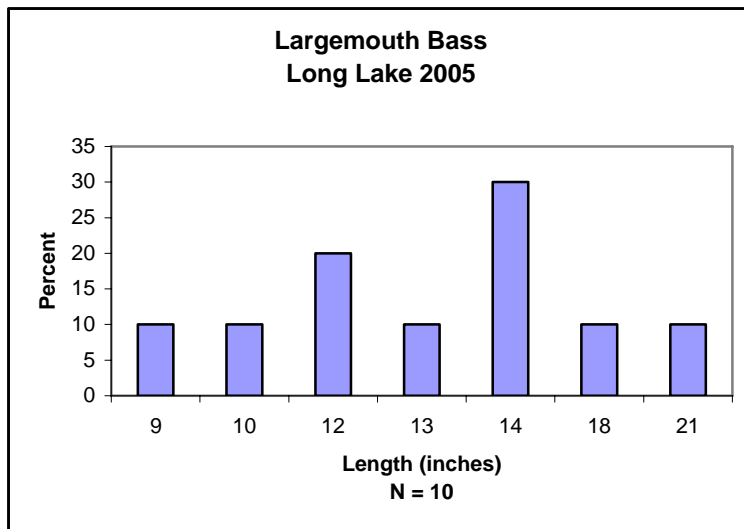


Figure 7. Length frequency distribution of largemouth bass in Long Lake (Thurston Co.) in 2005.

A total of 41 largemouth bass, ranging from 8 inches to 15 inches, were caught on 2 fishing trips to Nahwatzel Lake (Mason County) in 2005 (Figure 8).

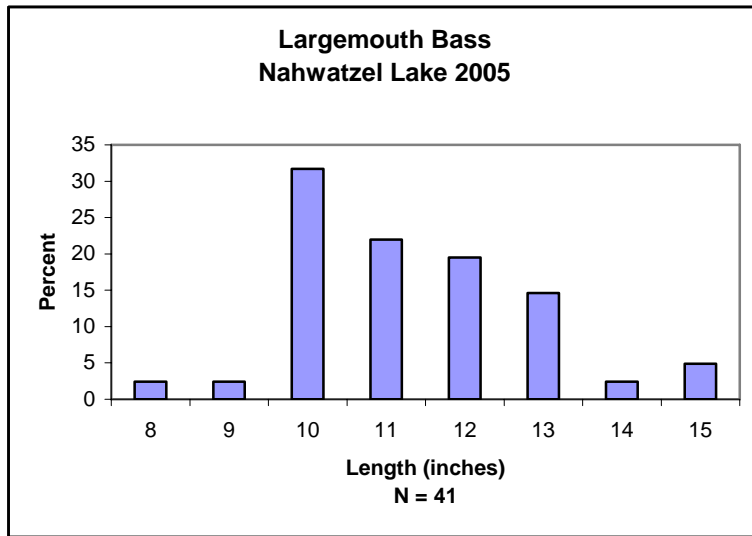


Figure 8. Length frequency distribution of largemouth bass in Nahwatzel Lake (Mason Co.) in 2005.

A total of 14 largemouth bass, ranging from 13 inches to 18 inches, were caught on 4 fishing trips to Potholes Reservoir (Grant County) in 2005 (Figure 9).

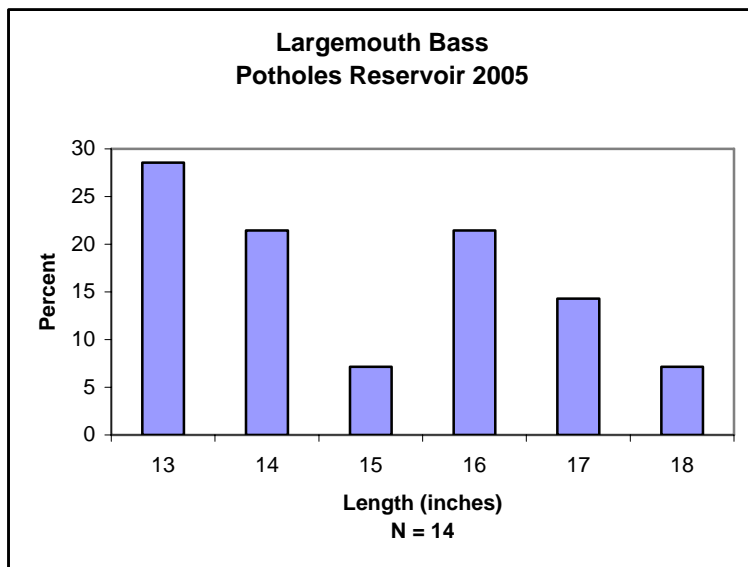


Figure 9. Length frequency distribution of largemouth bass in Potholes Reservoir (Grant Co.) in 2005.

A total of 16 largemouth bass, ranging from 13 inches to 20 inches, were caught on 3 fishing trips to Red Rock Lake (Grant County) in 2005 (Figure 10).

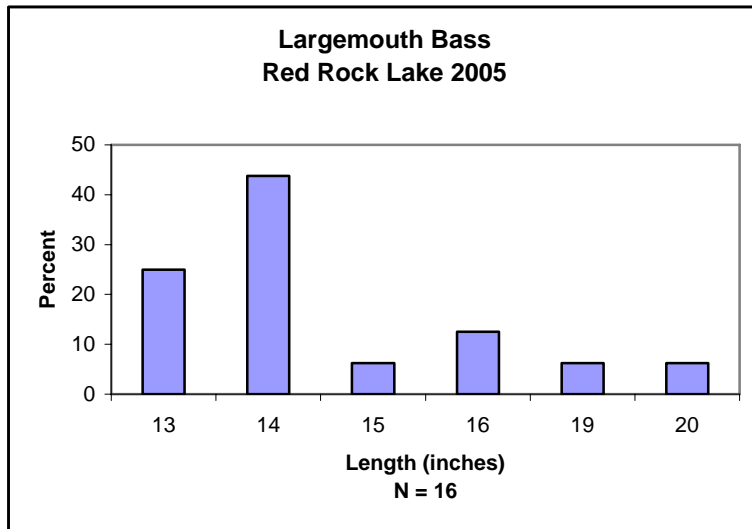


Figure 10. Length frequency distribution of largemouth bass in Red Rock Lake (Grant Co.) in 2005.

A total of 13 largemouth bass, ranging from 4 inches to 19 inches, were caught on 2 fishing trips to Samish Lake (Whatcom County) in 2005 (Figure 11).

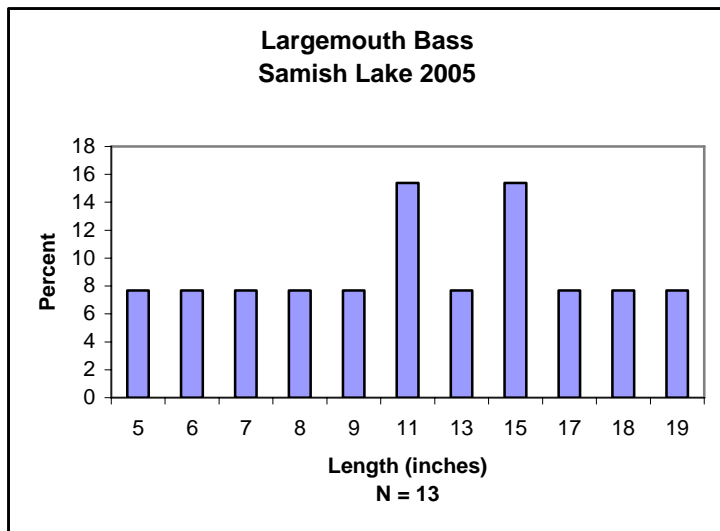


Figure 11. Length frequency distribution of largemouth bass in Samish Lake (Whatcom Co.) in 2005.

A total of 23 largemouth bass, ranging from 6 inches to 16 inches, were caught on 5 fishing trips to Lake St. Clair (Thurston County) in 2005 (Figure 12).

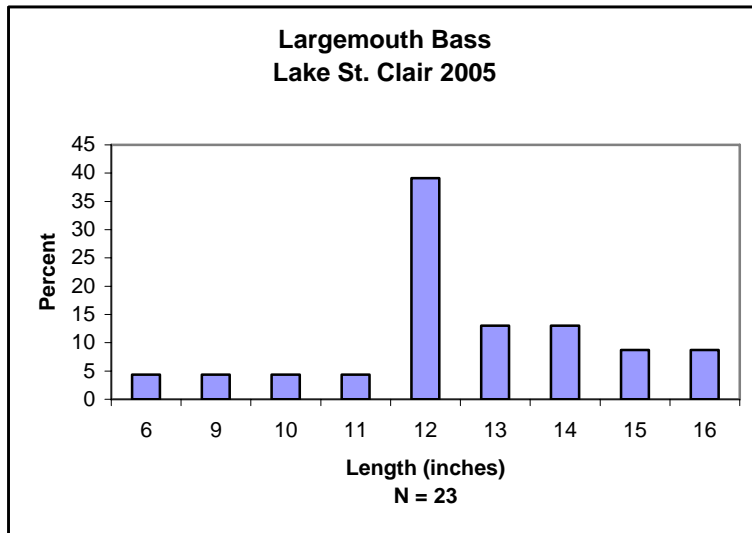


Figure 12. Length frequency distribution of largemouth bass in Lake St. Clair Lake (Thurston Co.) in 2005.

A total of 122 largemouth bass, ranging from 4 inches to 25 inches, were caught on 26 fishing trips to Terrell Lake (Whatcom County) in 2005 (Figure 13).

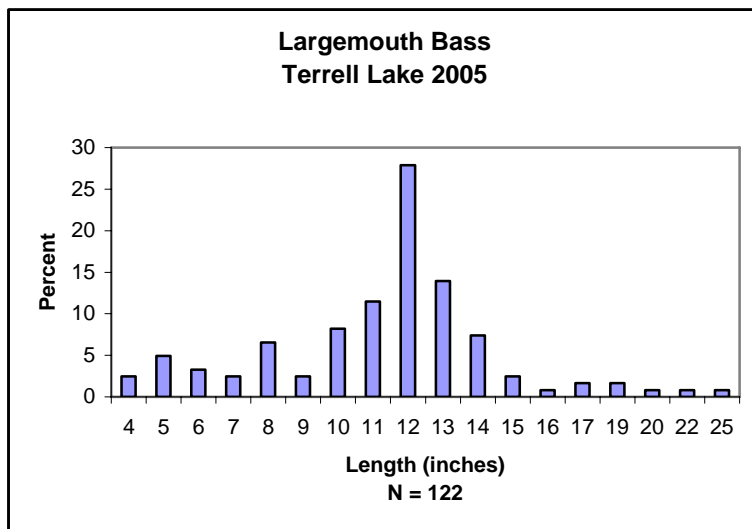


Figure 13. Length frequency distribution of largemouth bass in Terrell Lake (Whatcom Co.) in 2005.

A total of 14 largemouth bass, ranging from 4 inches to 14 inches, were caught on 1 fishing trip to Twin Lake (Lincoln County) in 2005 (Figure 14).

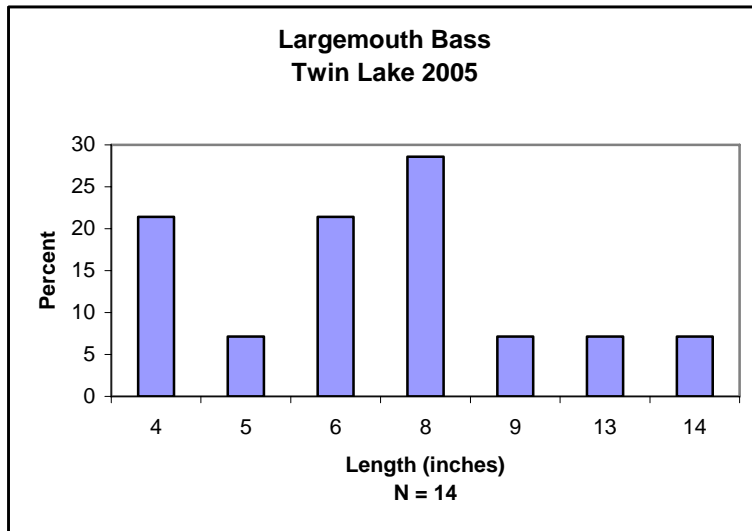


Figure 14. Length frequency distribution of largemouth bass in Twin Lake (Lincoln Co.) in 2005.

A total of 14 largemouth bass, ranging from 13 inches to 18 inches, were caught on 1 fishing trip to Whitestone Lake (Okanogan County) in 2005 (Figure 15).

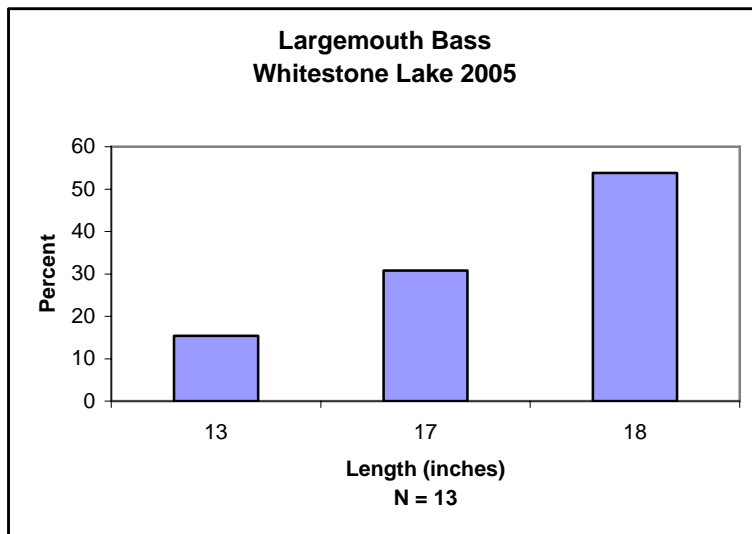


Figure 15. Length frequency distribution of largemouth bass in Whitestone Lake (Okanogan Co.) in 2005.

Comparative Catch Information

The statewide catch rate or catch per unit effort (CPUE) for largemouth bass of any size was 0.96 fish per hour in 2005. The statewide CPUE for largemouth bass of any size was highest in 2004 at 1.11 per hour. The CPUE for other years in which data was collected, ranged from 0.39 to 0.94 (Table 3). The statewide CPUE for largemouth bass 12 inches or greater was 0.43 fish per hour in 2005. 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, 1990-2005 (No data was available for 1999).

Year	No. of Waters	Hours Fished	All Sizes		>= 12 inches	
			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
2003	47	792.4	744	0.94	369	0.47
2004	32	608.9	673	1.11	203	0.33
2005	37	586.3	564	0.96	253	0.43

Smallmouth Bass

Catch Data

A total of 264 smallmouth bass, 11 inches or greater, were caught in 424.0 hours fished on 87 individual fishing trips to 20 different waters in 2005. Catch and release information was available for all trips. Anglers reported practicing catch and release on 78 (90%) trips. Catch and release information was available for 366 individual smallmouth bass of all sizes caught. Ninety-four percent (345) of those fish were released. Catch and release information was also

available for 264 individual smallmouth bass 11 inches or greater caught. Ninety-three percent (246) of those fish were released.

A complete summary of catch, hours fished and catch rates for smallmouth bass 11 inches or greater are listed for each individual water fished in 2005 (Table 4).

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 2005.

Water	County	No. of Trips	Hours Fished	No. Fish Caught	CPUE	Avg. Trip Length (hrs)
American	Pierce	1	6.0	1	0.17	6.0
Banks	Grant	8	35.0	22	0.63	4.4
Black	Thurston	1	3.0	0	0.00	3.0
Celilo	Klickitat	2	11.0	25	2.27	5.5
Clear	Pierce	1	3.0	0	0.00	3.0
Herbert G. West	Columbia, Franklin, Walla Walla, Whitman	1	4.0	1	0.25	4.0
Long	Spokane	5	23.0	4	0.17	4.6
Mayfield	Lewis	2	3.0	7	2.33	1.5
Moses	Grant	2	6.5	1	0.15	3.3
Potholes	Grant	2	9.0	2	0.22	4.5
Roosevelt	Ferry, Grant, Lincoln, Okanogan, Stevens	11	64.0	62	0.97	5.8
Sacajawea	Franklin, Walla Walla	1	5.0	0	0.00	5.0
Samish	Whatcom	2	11.5	4	0.35	5.8
Sammamish	King	6	42.0	22	0.52	7.0
Silver	Spokane	1	2.0	1	0.50	2.0
Soda	Grant	1	5.0	2	0.40	5.0
Tapps	Pierce	1	3.0	1	0.33	3.0
Wallula	Franklin, Walla Walla	2	7.0	3	0.43	3.5
Washington	King	10	60.0	43	0.72	6.0
Whatcom	Whatcom	27	121.0	63	0.52	4.5
Total		87	424.0	264	0.62	4.9

Length Frequency Distributions

A total of 22 smallmouth bass, ranging from 12 inches to 16 inches, were caught on 8 fishing trips to Banks Lake (Grant County) in 2005 (Figure 16).

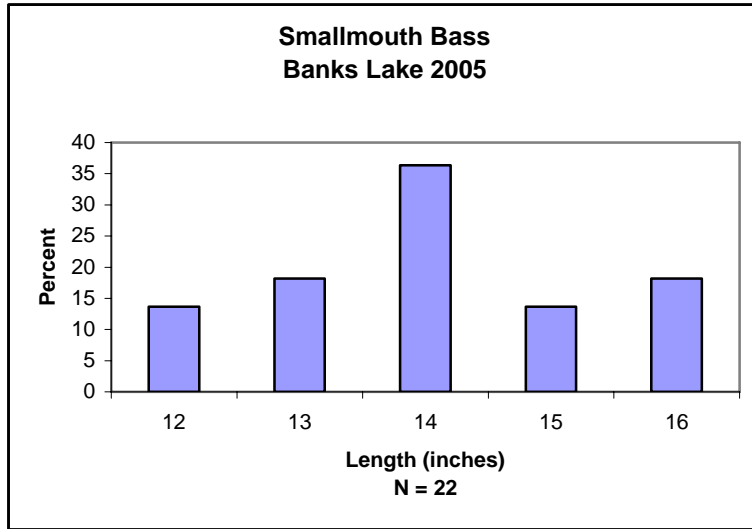


Figure 16. Length frequency distribution of largemouth bass in Banks Lake (Grant Co.) in 2005.

A total of 30 smallmouth bass, ranging from 7 inches to 17 inches, were caught on 2 fishing trips to Lake Celilo (Klickitat County) in 2005 (Figure 17).

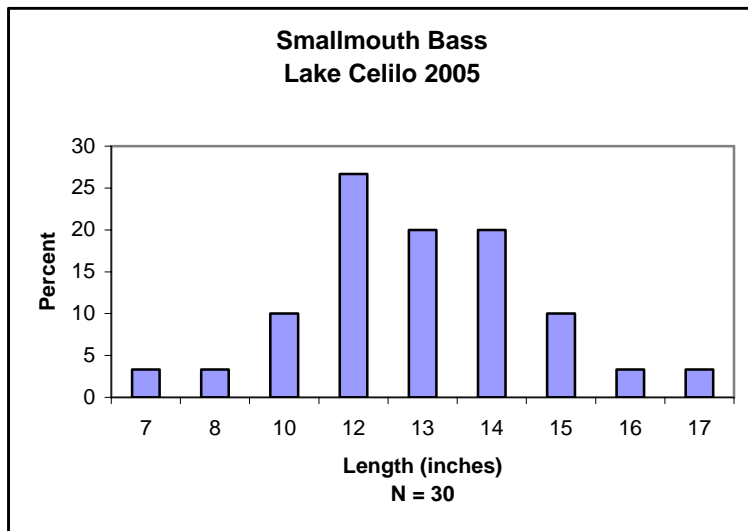


Figure 17. Length frequency distribution of largemouth bass in Lake Celilo (Klickitat Co.) in 2005.

A total of 16 smallmouth bass, ranging from 7 inches to 17 inches, were caught on 5 fishing trips to Long Lake (Spokane County) in 2005 (Figure 18).

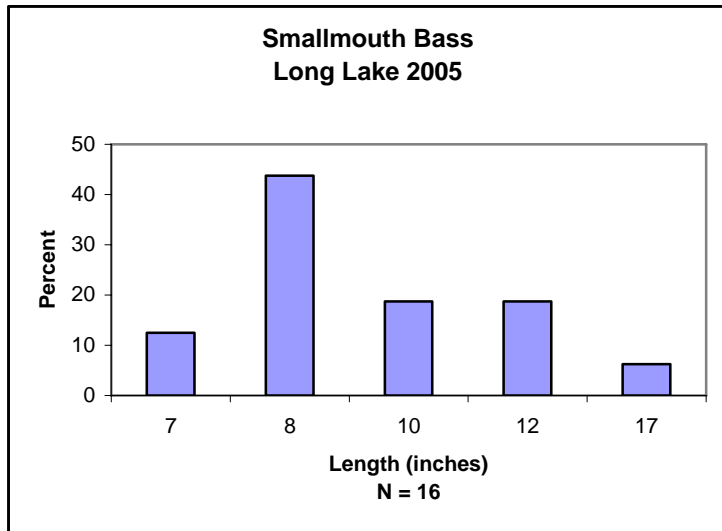


Figure 18. Length frequency distribution of largemouth bass in Long Lake (Spokane Co.) in 2005.

A total of 76 smallmouth bass, ranging from 6 inches to 18 inches, were caught on 11 fishing trips to Lake Roosevelt (Ferry, Grant, Lincoln, Okanogan, and Stevens Counties) in 2005 (Figure 19).

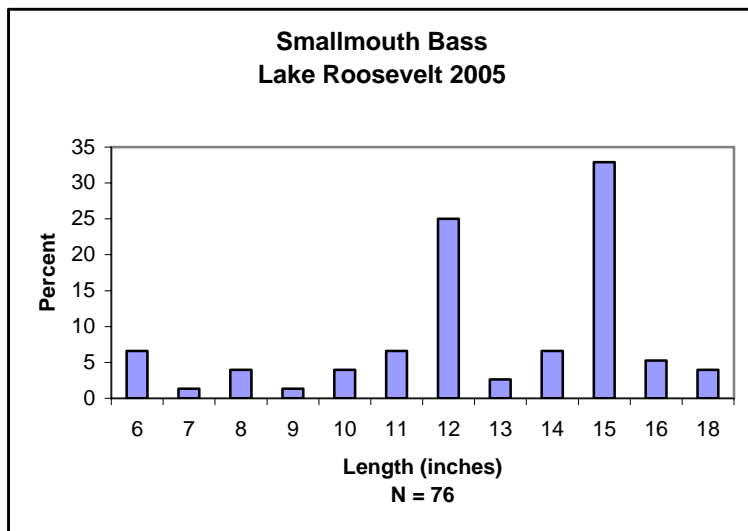


Figure 19. Length frequency distribution of largemouth bass in Lake Roosevelt (Ferry, Grant, Lincoln, Okanogan, and Stevens Cos.) in 2005.

A total of 23 smallmouth bass, ranging from 7 inches to 19 inches, were caught on 6 fishing trips to Lake Sammamish (King County) in 2005 (Figure 20).

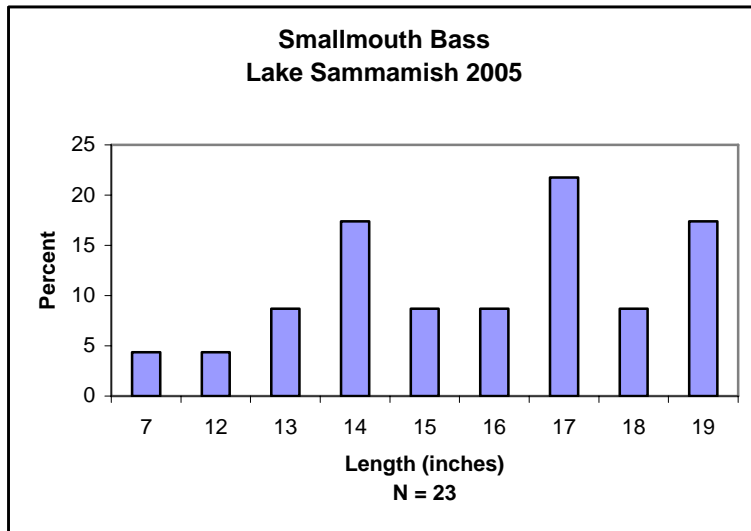


Figure 20. Length frequency distribution of largemouth bass in Lake Sammamish (King Co.) in 2005.

A total of 46 smallmouth bass, ranging from 6 inches to 23 inches, were caught on 10 fishing trips to Lake Washington (King County) in 2005 (Figure 21).

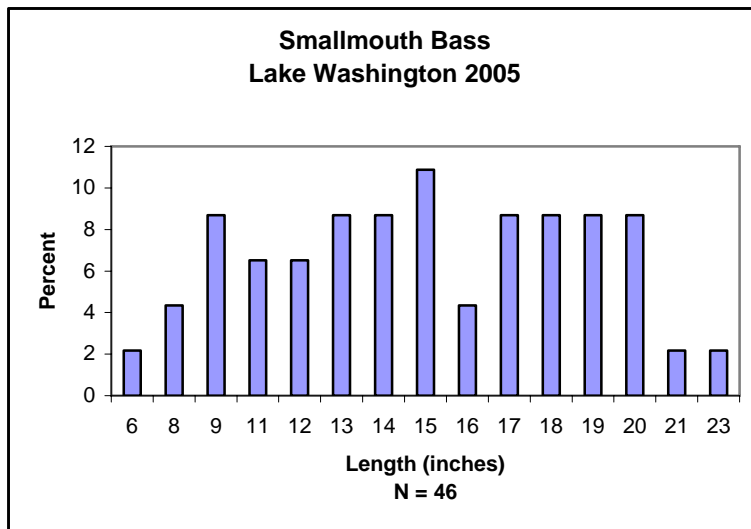


Figure 21. Length frequency distribution of smallmouth bass in Lake Washington (King Co.) in 2005.

A total of 93 smallmouth bass, ranging from 6 inches to 23 inches, were caught on 27 fishing trips to Lake Whatcom (Whatcom County) in 2005 (Figure 22).

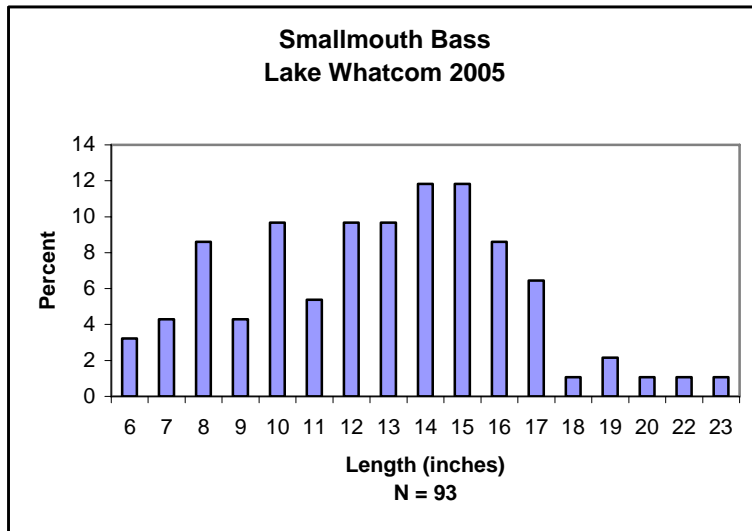


Figure 22. Length frequency distribution of largemouth bass in Lake Whatcom (Whatcom Co.) in 2005.

Comparative Catch Information

The statewide CPUE for smallmouth bass of any size was 0.86 fish per hour in 2005. 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 1.23 (Table 5). The statewide CPUE for smallmouth bass 11 inches or greater was 0.62 fish per hour in 2005. The statewide CPUE for smallmouth bass 11 inches or greater was highest in 1995 at 1.11 fish per hour. The CPUE for other years in which data was collected, ranged for 0.25 to 1.01 fish per hour (Table 5).

Table 5. 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, 1990-2005 (no data was available for 1999).

Year	No. of Waters	Hours Fished	All Sizes		>= 11 inches	
			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
2003	26	639.5	787	1.23	648	1.01
2004	24	627.5	420	0.67	290	0.46
2005	20	424.0	366	0.86	264	0.62

Walleye

Catch Data

A total of 690 walleye, 15 inches or greater, were caught in 915.0 hours fished on 199 individual fishing trips to 6 different waters in 2005. Catch and release information was available for all trips. Anglers reported practicing catch and release fishing on walleye in 2005 on 48 (24%) trips. Catch and release information was available for 994 walleye of all sizes caught. Forty-eight percent (528) of those fish were released. Catch and release information was also available for 690 walleye 15 inches or greater caught. Fifty percent (230) of those fish were released.

A complete summary of catch, hours fished and catch rates for walleye 15 inches or greater are listed for each individual water fished in 2005 (Table 6).

Table 6. 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 2005.

Water	County	No. of Trips	Hours Fished	No. Fish Caught	CPUE	Avg. Trip Length (hrs)
Moses	Grant	13	49.0	22	0.45	3.8
Potholes	Grant	12	69.5	36	0.52	5.8
Roosevelt	Ferry, Stevens, Grant, Lincoln, Okanogan	165	738.0	605	0.82	4.5
Rufus Woods	Douglas, Okanogan	1	7.0	1	0.14	7.0
Soda	Grant	1	5.0	1	0.20	5.0
Umatilla	Benton, Klickitat	7	46.5	23	0.49	6.6
Total		199	915.0	688	0.75	4.6

Length Frequency Distributions

A total of 26 walleye, ranging from 9 inches to 24 inches, were caught on 13 fishing trips to Moses Lake (Grant County) in 2005 (Figure 23).

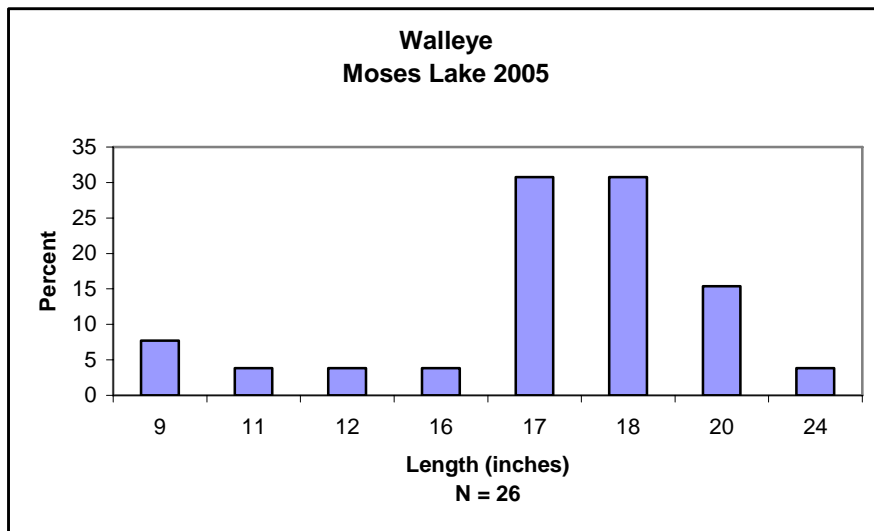


Figure 23. Length frequency distribution of walleye in Banks Lake (Grant Co.) in 2005.

A total of 36 walleye, ranging from 15 inches to 29 inches, were caught on 12 fishing trips to Potholes Reservoir (Grant County) in 2005 (Figure 24).

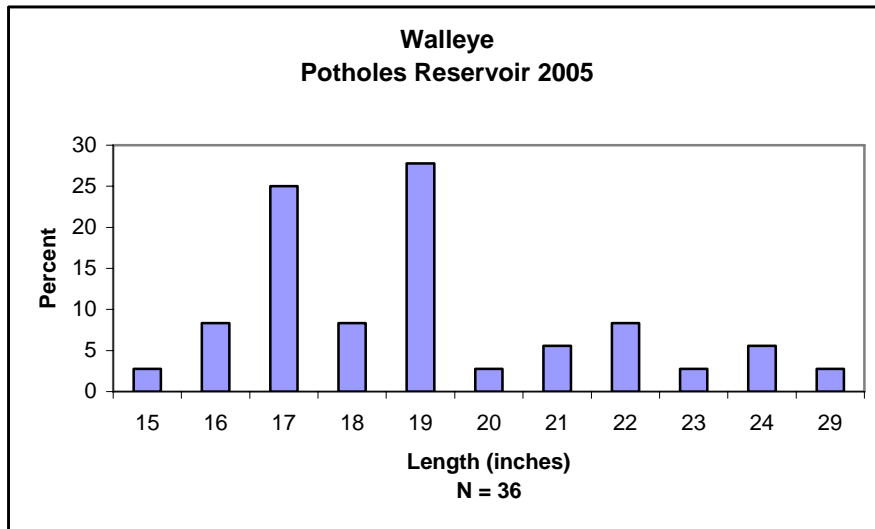


Figure 24. Length frequency distribution of walleye in Potholes Reservoir (Grant Co.) in 2005.

A total of 1,007 walleye, ranging from 8 inches to 34 inches, were caught on 165 fishing trips to Lake Roosevelt (Ferry, Grant, Lincoln, Okanogan, and Stevens Counties) in 2005 (Figure 25).

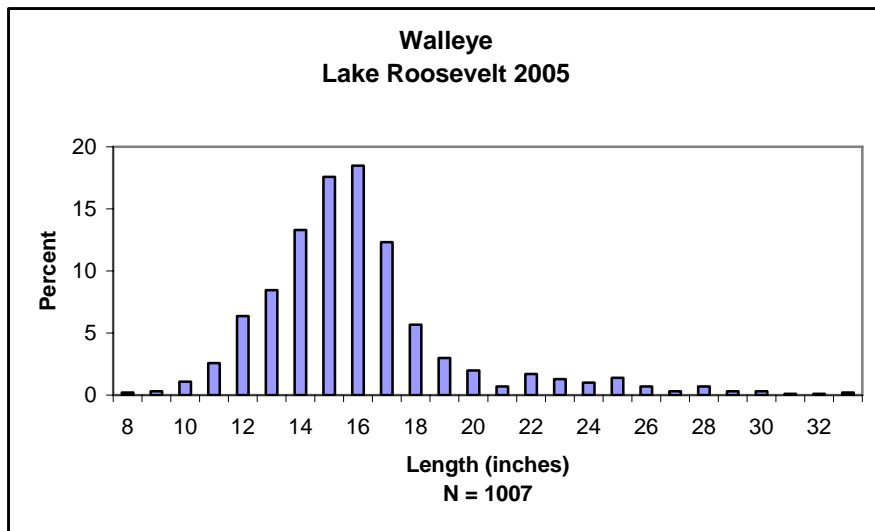


Figure 25. Length frequency distribution of walleye in Lake Roosevelt (Ferry, Grant, Lincoln, Okanogan, and Stevens Cos.) in 2005.

A total of 25 walleye, ranging from 17 inches to 27 inches, were caught on 7 fishing trips to Lake Umatilla (Benton and Klickitat Counties) in 2005 (Figure 26).

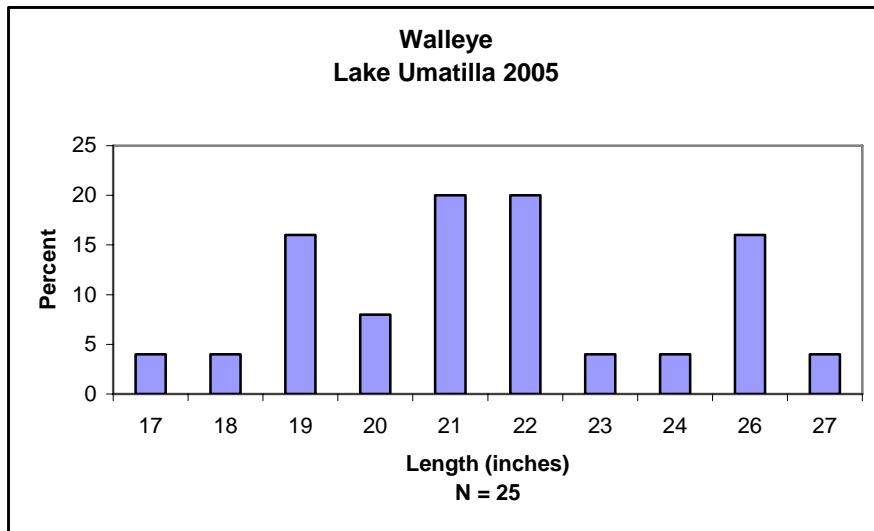


Figure 26. Length frequency distribution of walleye in Lake Umatilla (Benton and Klickitat Cos.) in 2005.

Comparative Catch Information

The statewide CPUE for walleye of any size was 1.20 fish per hour in 2005. 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 0.75 fish per hour in 2005 and is now the highest catch rate. The previous high was in 1995 at 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 7. Annual average volunteer angler catch rate (catch per unit effort (CPUE) for walleye caught of any size and for walleye 15 inches or greater, 1990-2005 (No data was available for 1999).

Year	No. of Waters	Hours Fished	All Sizes		>= 15 inches	
			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
2003	13	682.0	541	0.79	370	0.54
2004	8	1,007.5	994	0.99	554	0.55
2005	6	915.0	1096	1.20	690	0.75

Black Crappie

Catch Data

A total of 37 black crappie, 8 inches or greater, were caught in 61.0 hours fished on 17 individual trips to 6 different waters in 2005. Catch and release information was available for all trips. Anglers reported practicing catch and release fishing on black crappie in 2005 on nine (53%) trips. Catch and release information was available for 64 black crappie of any size. Fifty-two percent (33) of those fish were released. Catch and release information was also available for 37 black crappie 8 inches or greater caught. Nineteen percent (7) of those fish were released.

A complete summary of catch, hours fished and catch rates for black crappie 8 inches or greater are listed for each individual water fished in 2005 (Table 8).

Table 8. 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 2005.

Water	County	No. of Trips	Hours Fished	No. Fish Caught	CPUE	Avg Trip Length (hrs)
Duck	Grays Harbor	7	13.5	4	2.22	1.9
Fenwick	King	1	2.0	1	0.50	2.0
Long	Spokane	5	24.0	21	0.88	4.8
Moses	Grant	2	7.5	5	0.67	3.8
Palmer	Okanogan	1	11.0	1	0.09	11.0
Wapato	Chelan	1	3.0	5	2.00	3.0
Total		17	61.0	37	0.61	3.6

Length Frequency Distribution

A total of 30 black crappie, ranging from 4 inches to 9 inches, were caught on 7 fishing trips to Duck Lake (Grays Harbor County) in 2005 (Figure 27).

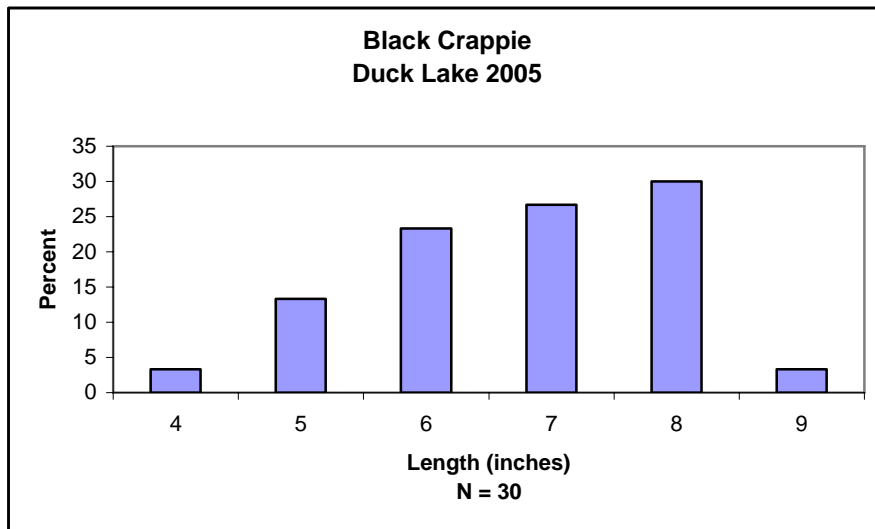


Figure 27. Length frequency distribution of black crappie in Duck Lake (Grays Harbor Co.) in 2005.

A total of 21 black crappie, ranging from 9 inches to 13 inches, were caught on 5 fishing trips to Long Lake (Spokane and Stevens Counties) in 2005 (Figure 28).

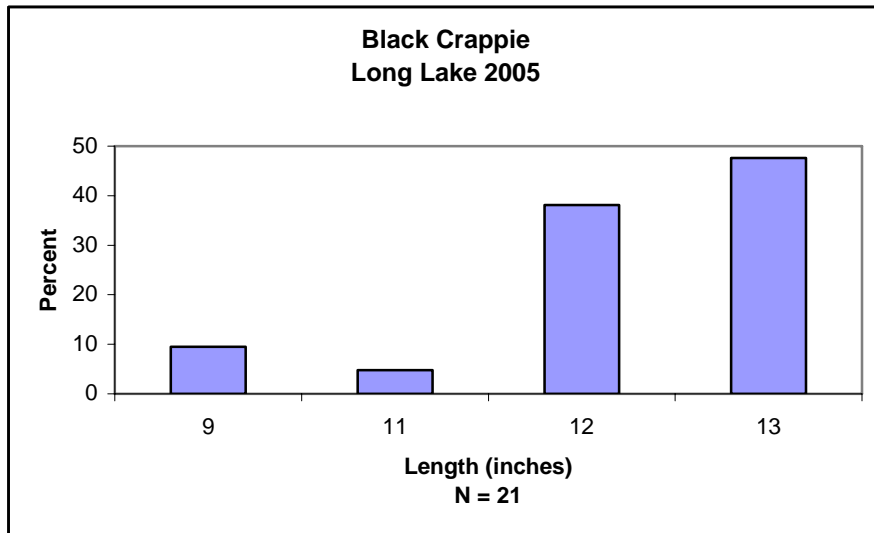


Figure 28. Length frequency distribution of black crappie in Long Lake (Spokane and Stevens Cos.) in 2005.

Comparative Catch Information

The statewide CPUE for black crappie of any size was 1.05 fish per hour in 2005. The statewide CPUE for black crappie of any size was highest in 2001 at 2.36 fish per hour. The CPUE for the other years in which data was collected, ranged from 1.03 to 1.88 fish per hour (Table 9). The statewide CPUE for black crappie 8 inches or greater was 0.61 fish per hour in 2005. The statewide CPUE for black crappie 8 inches or greater was highest in 2001 at 1.25 fish per hour. The CPUE for the other years in which data was collected ranged from 0.13 to 1.22 fish per hour (Table 9).

Table 9. Annual average volunteer angler catch rate (catch per unit effort (CPUE) for black crappie caught of any size and for black crappie 8 inches or greater, 2001-2005 (no data was available prior to 2001).

Year	No. of Waters	Hours Fished	All Sizes		>= 8 inches	
			No. Caught	CPUE	No. Caught	CPUE
2001	4	81.8	193	2.36	102	1.25
2002	5	46.0	65	1.41	56	1.22
2003	6	37.8	71	1.88	5	0.13
2004	3	47.5	49	1.03	39	0.82
2005	6	61.0	64	1.05	37	0.61

Tiger Muskie

Catch Data

A total of 27 trips targeting tiger muskie were reported in 2005. Unfortunately, 13 of those trips did not report any information on angler hours and these trips were excluded during computations of hours fished, average trip length, and catch per unit effort (CPUE). A total of 34 tiger muskie were caught in 2005 of any size overall. Twenty-two of these fish were 36 inches or greater and were caught in four different bodies of water. Catch and release information for these fish was available for all trips. All the fish (100%) were released. For those trips where angler hours were available, a total of 13 tiger muskie, 36 inches or greater, were caught in 70.0 hours on 14 individual fishing trips to three different waters.

A complete summary of catch, hours fished and catch rates for tiger muskie 36 inches or greater are listed for each individual water fished in 2005 (Table 10).

Table 10. 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 2005. *excludes data from Evergreen Reservoir and Lake Tapps.

Water	County	No. of Trips	Hours Fished	No. Fish Caught	CPUE	Avg. Trip Length (hrs)
Evergreen	Grant	1	no data	0		no data
Mayfield	Lewis	2	6.0	2	0.33	3.0
Merwin	Cowlitz	11	61.5	12	0.20	5.6
Silver	Spokane	1	2.5	0	0.00	2.5
Tapps	Pierce	12	no data	8		no data
Total		27	70*	22	0.20*	5.0*

Comparative Catch Information

The statewide CPUE for tiger muskie of any size was 0.24 fish per hour in 2005. The statewide CPUE for tiger muskie of any size was highest in 2002 at 0.50 fish per hour. The CPUE for other years in which data was collected ranged from 0.10 to 0.33 fish per hour (Table 11). The statewide CPUE for tiger muskie 36 inches or greater was 0.2008 fish per hour in 2005. The statewide CPUE for tiger muskie 36 inches or greater was highest in 2002 at 0.50 fish per hour. The CPUE for other years in which data was collected was 0.08 fish per hour (Table 11).

Table 11. Annual average volunteer angler catch rate (catch per unit effort (CPUE) for tiger muskie caught of any size and for tiger muskie 36 inches or greater, 2001-2005 (no data prior to 2001).

Year	No. of Waters	Hours Fished	All Sizes		>= 36 inches	
			No. Caught	CPUE	No. Caught	CPUE
2001	2	51.0	5	0.10	4	0.08
2002	1	2.0	1	0.50	1	0.50
2003	no data	no data	no data	no data	no data	no data
2004	10	39.0	13	0.33	3	0.08
2005	3	70.0	17	0.24	14	0.20

Channel Catfish

Catch Data

There were no fishing trips targeting channel catfish nor were there any channel catfish caught in 2005.

Comparative Catch Information

There was no data collected in 2005 to make any comparisons.



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