

# **Summary Report of Warmwater Volunteer Angler Diaries 2004**

by

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## Abstract

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Twenty-seven registered anglers and 9 guest anglers participated in 2004. Useable data was submitted for 504 trips to 53 different bodies of water. A total of 49 black crappie were caught (39 were quality size) and 12% of these fish were released. One channel catfish was caught and it was released. A total of 673 largemouth bass were caught (203 were quality size) and 98% of these fish were released. A total of 420 smallmouth bass (290 were quality size) and 96% of these fish were released. A total of 13 tiger muskie were caught (3 were quality size) and 100% of these fish were released. A total of 994 walleye were caught (554 were quality size) and 59% of these fish were released.

# Introduction

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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

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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: \_\_\_\_\_  
(Please provide name of lake, river or stream nearby)

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<br>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  |
| 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 |
|---------|--------|---------|--------|---------|--------|
|         | 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      |

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 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 26. A total of 36 anglers (27 registered anglers and 9 guests) participated in the program this past year.

**Table 1.** Angler participation and number of trips from 1990-2004.

| 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 <sup>1</sup>              | 14                    | 402          |
| 2001 | 113                       | 33 <sup>2</sup>              | 25                    | 271          |
| 2002 | 132                       | 44 <sup>3</sup>              | 27                    | 549          |
| 2003 | 146                       | 42 <sup>4</sup>              | 18                    | 493          |
| 2004 | 116                       | 36 <sup>5</sup>              | 23                    | 504          |

<sup>1</sup> 32 participants were not registered

<sup>2</sup> 5 participants were not registered

<sup>3</sup> 17 participants were not registered

<sup>4</sup> 16 participants were not registered

<sup>5</sup> 9 participants were not registered

The 36 anglers submitted data for a total of 529 individual fishing trips. The data from 4.7% of these trips had to be excluded because they were unusable. Therefore, the final dataset came from data from a total of 504 individual fishing trips conducted on 52 different bodies of water. A total of 673 largemouth bass, 420 smallmouth bass, 994 walleye, 49 black crappie, 1 channel

catfish, and 13 tiger muskie were reported being caught. Ninety-eight percent (N =658) of the 673 largemouth bass caught were released. Ninety-six percent (N = 405) of the 420 smallmouth bass caught were released. Fifty-nine percent (N = 584) of the 994 walleye caught were released. Twelve percent (N = 6) of the 49 black crappie caught were released. One hundred percent (N = 1) of the channel catfish caught were released. One hundred percent (N=13) of the tiger muskie caught were released.

## **Largemouth Bass**

### **Catch Data**

A total of 203 largemouth bass, 12 inches or greater, were caught in 608.9 hours fished on 131 individual fishing trips to 32 different waters in 2004. Catch and release information was available for all trips. Anglers reported practicing catch and release fishing on largemouth bass in 2004 on 124 (95%) trips. Catch and release information was available for 673 individual largemouth bass of all sizes caught. Ninety-eight percent (658) of those fish were released. Catch and release information was also available for 203 individual largemouth bass 12 inches or greater caught. Ninety-seven percent of those fish were released.

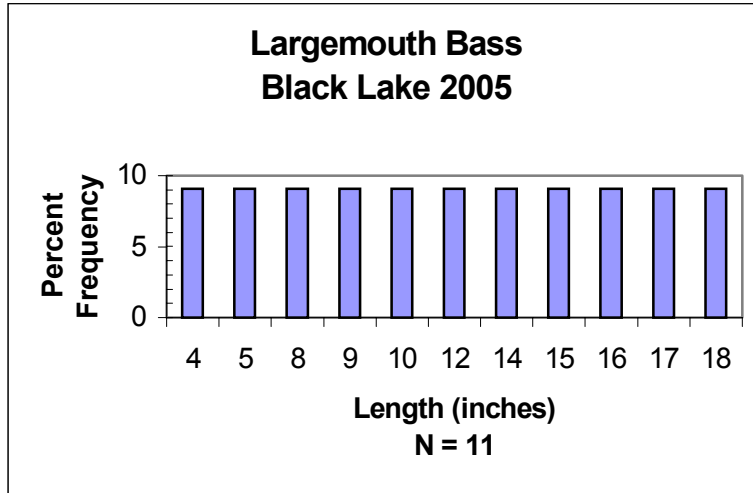
A complete summary of catch, hours fished and catch rates for largemouth bass 12 inches or greater are listed for each individual water fished in 2004 (Table 2).

**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 2004.

| Water         | County                                  | No. of Trips | Hours Fished | No. Fish Caught | CPUE        | Avg. Trip Length (hrs) |
|---------------|---|--------------|--------------|-----------------|-------------|------------------------|
| Banks         | Grant                                   | 1            | 4.5          | 1               | 0.22        | 4.5                    |
| Big           | Skagit                                  | 1            | 4.0          | 2               | 0.50        | 4.0                    |
| Black         | Thurston                                | 3            | 24.0         | 6               | 0.25        | 8.0                    |
| Campbell      | Skagit                                  | 1            | 3.0          | 2               | 0.67        | 3.0                    |
| Duck          | Grays Harbor                            | 12           | 77.8         | 48              | 0.62        | 6.5                    |
| Fenwick       | King                                    | 33           | 88.3         | 6               | 0.07        | 2.7                    |
| Flowing       | Snohomish                               | 1            | 3.0          | 0               | 0.00        | 3.0                    |
| Ki            | Snohomish                               | 1            | 3.0          | 1               | 0.33        | 3.0                    |
| Leland        | Jefferson                               | 4            | 36.0         | 3               | 0.08        | 9.0                    |
| Long          | Kitsap                                  | 8            | 71.5         | 21              | 0.29        | 8.9                    |
| Long          | Thurston                                | 3            | 16.0         | 12              | 0.75        | 5.3                    |
| Macabe        | Kittitas                                | 1            | 1.5          | 0               | 0.00        | 1.5                    |
| Mayfield      | Lewis                                   | 1            | 2.0          | 0               | 0.00        | 2.0                    |
| Nahwatzel     | Mason                                   | 2            | 6.5          | 2               | 0.31        | 3.3                    |
| North         | King                                    | 8            | 11.9         | 4               | 0.34        | 1.5                    |
| Palmer        | Okanogan                                | 2            | 8.0          | 6               | 0.75        | 4.0                    |
| Panther       | Snohomish                               | 1            | 2.5          | 0               | 0.00        | 2.5                    |
| Pattison      | Thurston                                | 7            | 27.0         | 11              | 0.41        | 3.9                    |
| Potholes      | Grant                                   | 7            | 48.0         | 17              | 0.35        | 6.9                    |
| Riffe         | Lewis                                   | 4            | 17.5         | 9               | 0.51        | 4.4                    |
| Samish        | Whatcom                                 | 1            | 7.0          | 2               | 0.29        | 7.0                    |
| Sammamish     | King                                    | 9            | 38.0         | 14              | 0.37        | 4.2                    |
| Silver        | Cowlitz                                 | 2            | 18.0         | 4               | 0.22        | 9.0                    |
| Silver        | Pierce                                  | 2            | 10.0         | 5               | 0.50        | 5.0                    |
| St. Clair     | Thurston                                | 3            | 15.0         | 10              | 0.67        | 5.0                    |
| Steel         | King                                    | 2            | 7.0          | 0               | 0.00        | 3.5                    |
| Sunset        | Whatcom                                 | 1            | 7.0          | 2               | 0.29        | 7.0                    |
| Terrell       | Whatcom                                 | 6            | 32.0         | 6               | 0.19        | 5.3                    |
| Wallula       | Benton, Franklin,<br>Grant, Walla Walla | 1            | 7.0          | 6               | 0.86        | 7.0                    |
| Washington    | King                                    | 1            | 3.0          | 0               | 0.00        | 3.0                    |
| Whatcom       | Whatcom                                 | 1            | 4.0          | 1               | 0.25        | 4.0                    |
| Whitestone    | Okanogan                                | 1            | 5.0          | 2               | 0.40        | 5.0                    |
| <b>Totals</b> |   | <b>131</b>   | <b>608.9</b> | <b>203</b>      | <b>0.33</b> | <b>4.6</b>             |

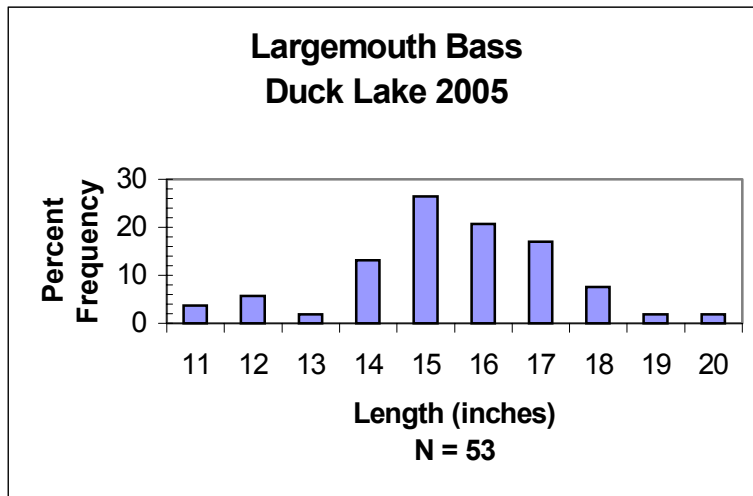
## Length Frequency Distributions

A total of 11 largemouth bass, ranging from 4 inches to 18 inches, were caught on three fishing trips to Black Lake (Thurston County) in 2004 (Figure 2).



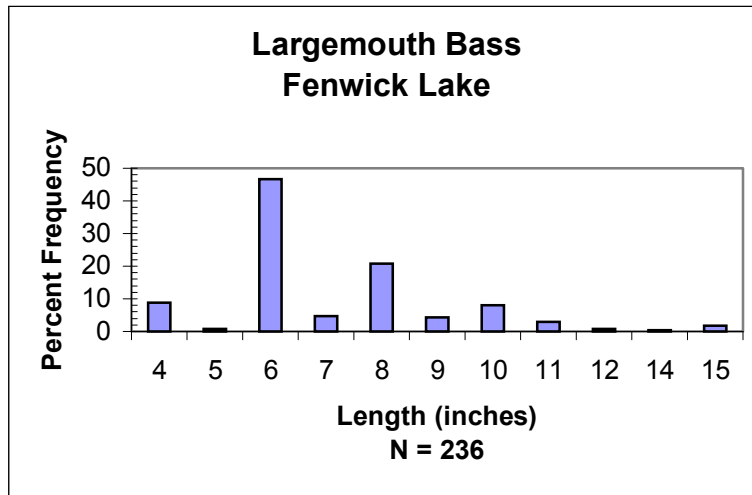
**Figure 2.** Length frequency distribution of largemouth bass in Black Lake (Thurston County) in 2004.

A total of 53 largemouth bass, ranging from 11 inches to 20 inches, were caught on twelve fishing trips to Duck Lake (Grays Harbor County) in 2004 (Figure 3).



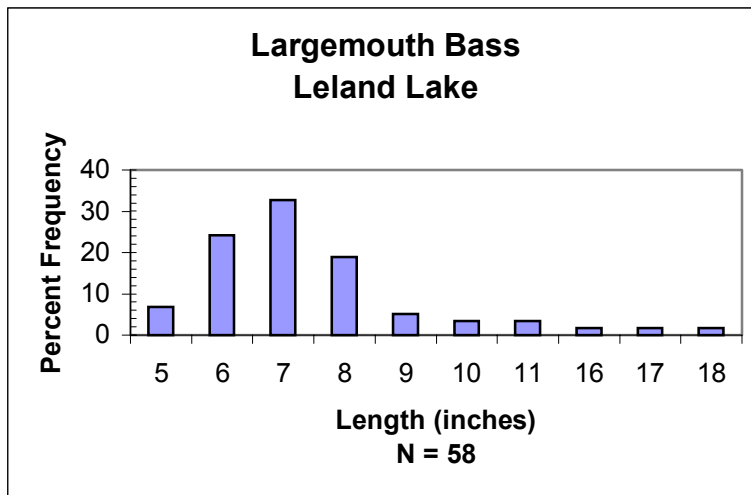
**Figure 3.** Length frequency distribution of largemouth bass in Duck Lake (Grays Harbor County) in 2004.

A total of 236 largemouth bass, ranging from 4 inches to 15 inches, were caught on four fishing trips to Fenwick Lake (King County) in 2004 (Figure 4).



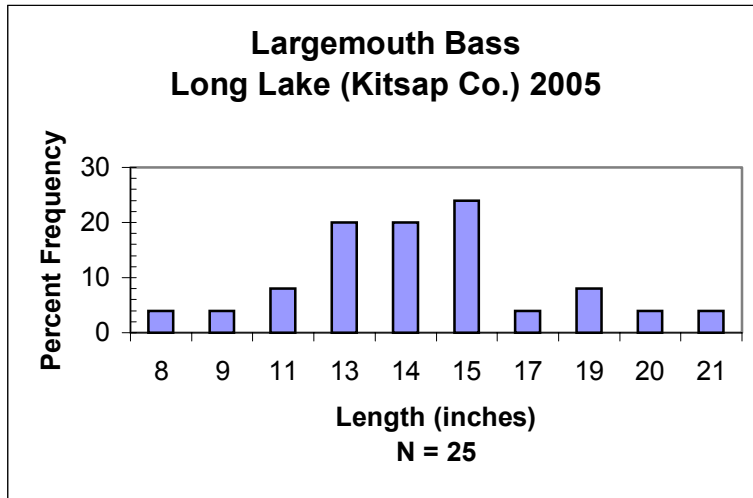
**Figure 4.** Length frequency distribution of largemouth bass in Fenwick Lake (King County) in 2004.

A total of 58 largemouth bass, ranging from 5 inches to 18 inches, were caught on three fishing trips to Leland Lake (Jefferson County) in 2004 (Figure 5).



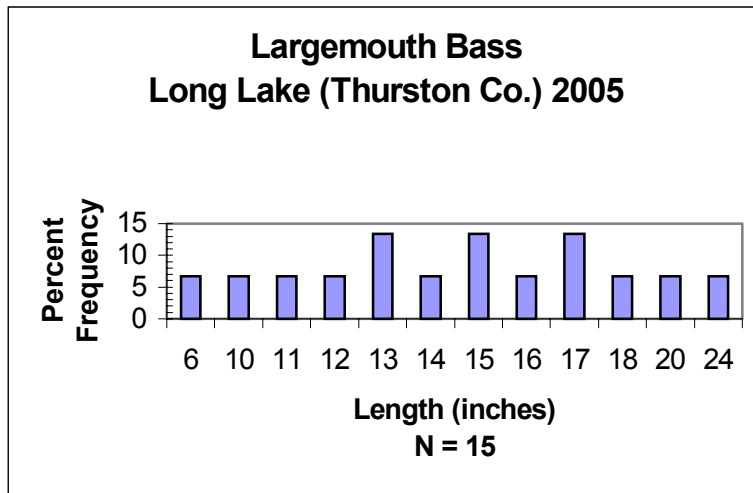
**Figure 5.** Length frequency distribution of largemouth bass in Leland Lake (Jefferson County) in 2004.

A total of 25 largemouth bass, ranging from 8 inches to 21 inches, were caught on eight fishing trips to Long Lake (Kitsap County) in 2004 (Figure 6).



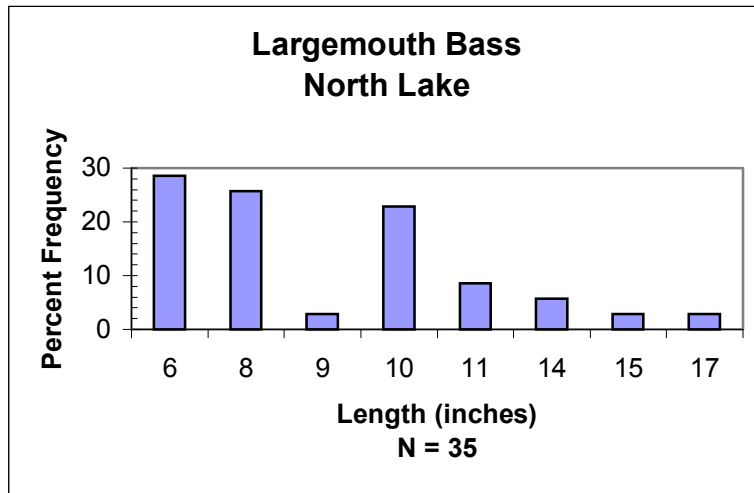
**Figure 6.** Length frequency distribution of largemouth bass in Long Lake (Kitsap County) in 2004.

A total of 15 largemouth bass, ranging from 6 inches to 24 inches, were caught on three fishing trips to Long Lake (Thurston County) in 2004 (Figure 7).



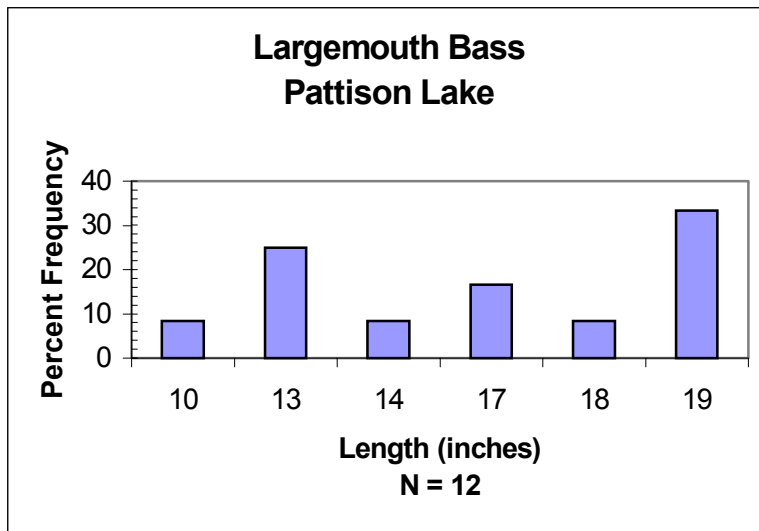
**Figure 7.** Length frequency distribution of largemouth bass in Long Lake (Thurston County) in 2004.

A total of 35 largemouth bass, ranging from 6 inches to 17 inches, were caught on three fishing trips to North Lake (King County) in 2004 (Figure 8).



**Figure 8.** Length frequency distribution of largemouth bass in North Lake (King County) in 2004.

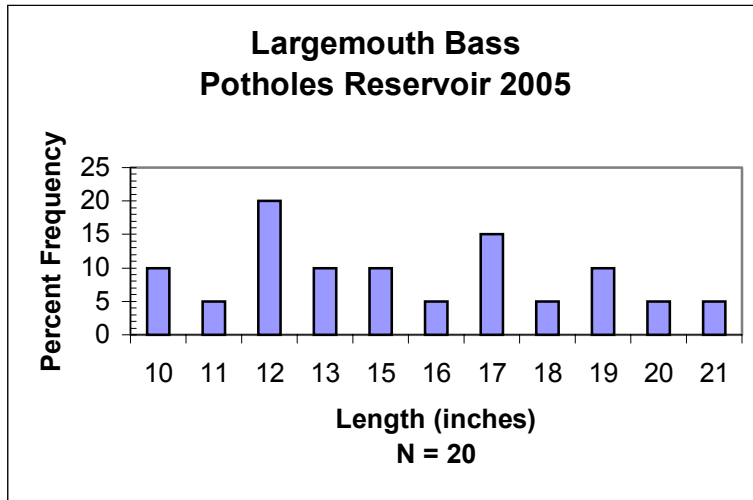
A total of 12 largemouth bass, ranging from 10 inches to 19 inches, were caught on six fishing trips to Pattison Lake (Thurston County) in 2004 (Figure 9).



**Figure 9.** Length frequency distribution of largemouth bass in Pattison Lake (Thurston County) in 2004.

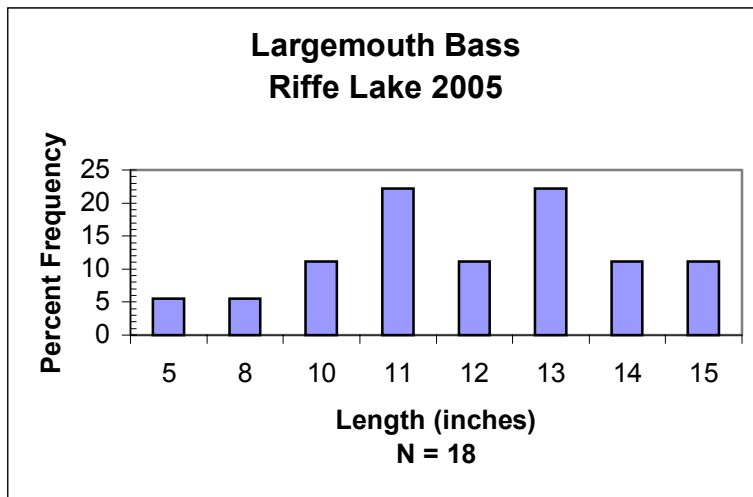


A total of 20 largemouth bass, ranging from 10 inches to 21 inches, were caught on seven fishing trips to Potholes Reservoir (Grant County) in 2004 (Figure 10).



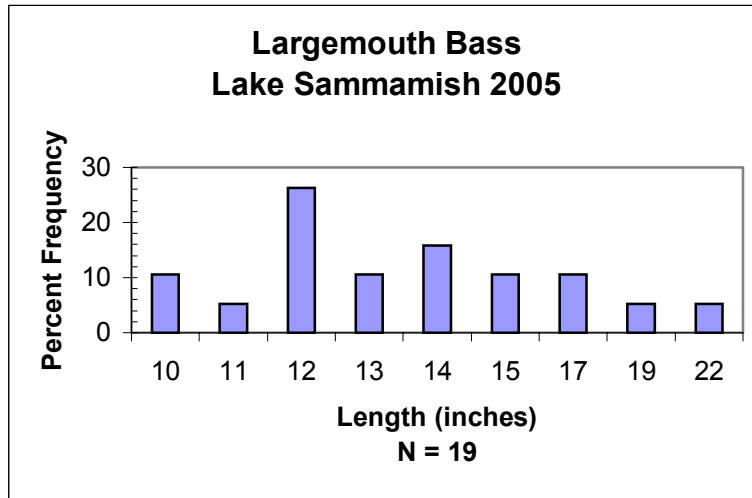
**Figure 10.** Length frequency distribution of largemouth bass in Potholes Reservoir (Grant County) in 2004.

A total of 18 largemouth bass, ranging from 5 inches to 15 inches, were caught on 34 fishing trips to Riffe Lake (Lewis County) in 2004 (Figure 11).



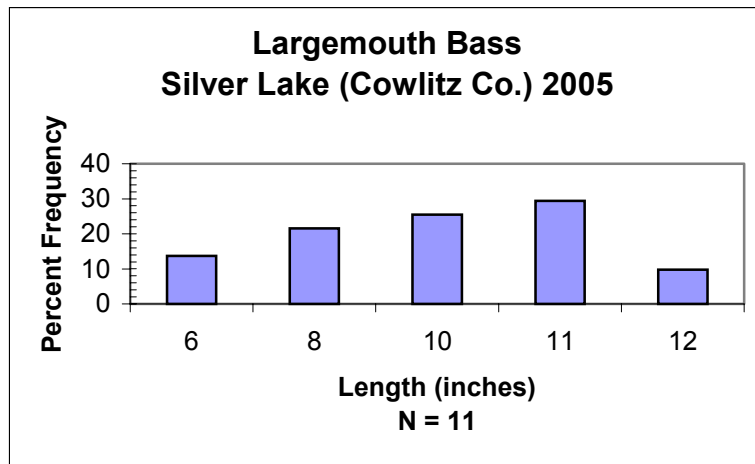
**Figure 11** Length frequency distribution of largemouth bass in Riffe Lake (Lewis County) in 2004.

A total of 19 largemouth bass, ranging from 10 inches to 22 inches, were caught on eight fishing trips to Lake Sammamish (King County) in 2004 (Figure 12).



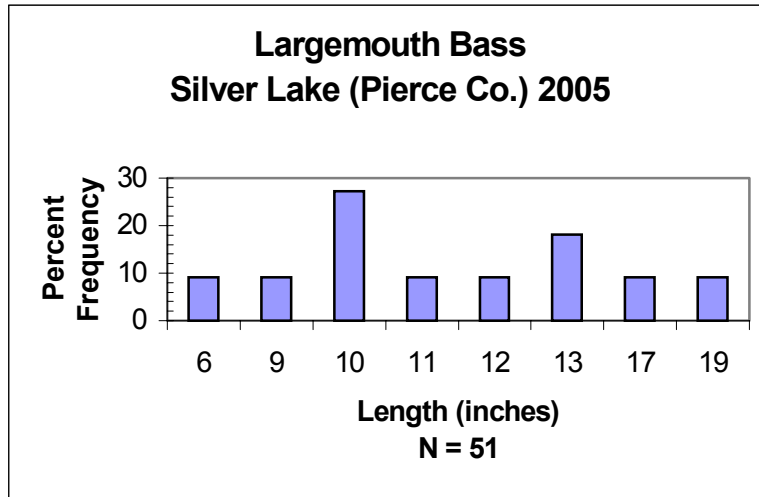
**Figure 12.** Length frequency distribution of largemouth bass in Lake Sammamish (King County) in 2004.

A total of 11 largemouth bass, ranging from 6 inches to 19 inches, were caught on two fishing trips to Silver Lake (Cowlitz County) in 2004 (Figure 13).



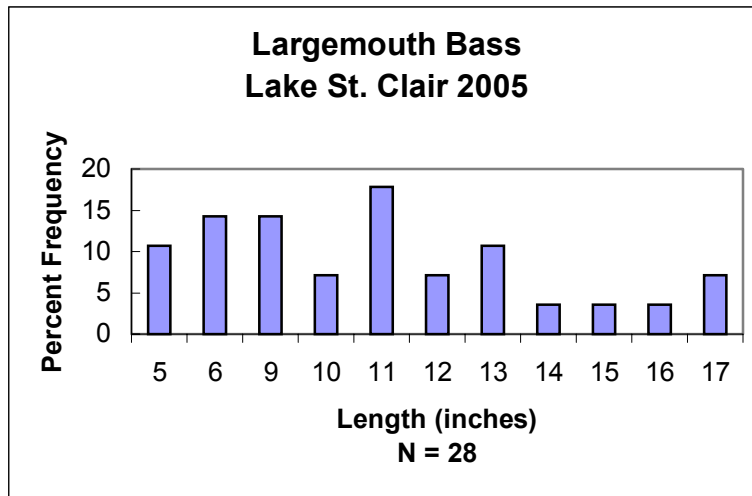
**Figure 13.** Length frequency distribution of largemouth bass in Silver Lake (Cowlitz County) in 2004.

A total of 51 largemouth bass, ranging from 6 inches to 12 inches, were caught on two fishing trips to Silver Lake (Pierce County) in 2004 (Figure 14).



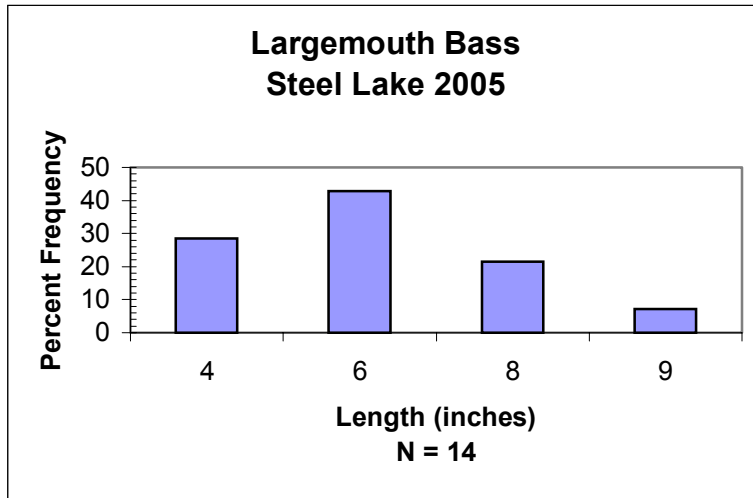
**Figure 14.** Length frequency distribution of largemouth bass in Silver Lake (Pierce County) in 2004.

A total of 28 largemouth bass, ranging from 5 inches to 17 inches, were caught on three fishing trips to Lake St. Clair (Thurston County) in 2004 (Figure 15).



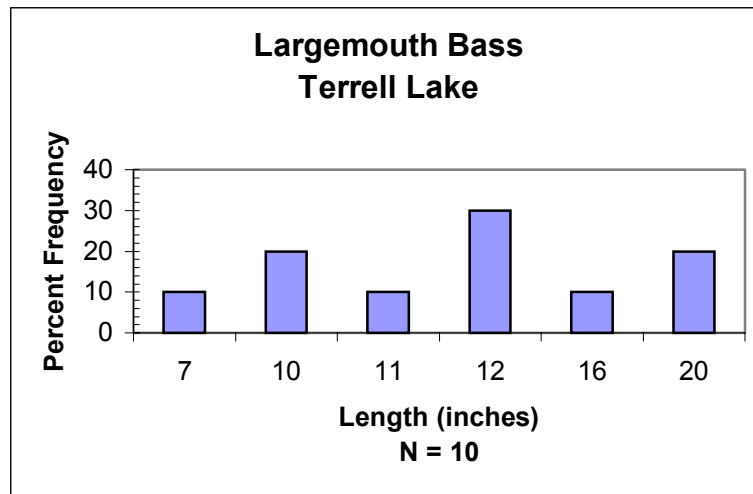
**Figure 15.** Length frequency distribution of largemouth bass in Lake St. Clair (Thurston County) in 2004.

A total of 14 largemouth bass, ranging from 4 inches to 92 inches, were caught on two fishing trips to Steel Lake (King County) in 2004 (Figure 16).



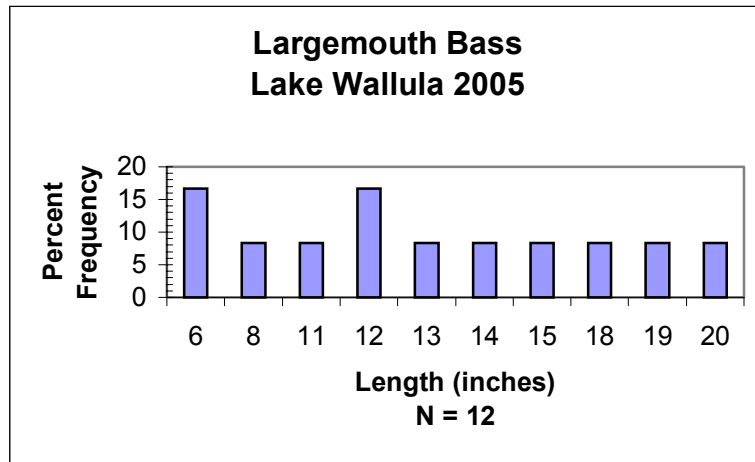
**Figure 16.** Length frequency distribution of largemouth bass in Steel Lake (King County) in 2004.

A total of 10 largemouth bass, ranging from 7 inches to 20 inches, were caught on five fishing trips to Terrell Lake (Whatcom County) in 2004 (Figure 17).



**Figure 17.** Length frequency distribution of largemouth bass in Terrell Lake (Whatcom County) in 2004.

A total of 12 largemouth bass, ranging from 6 inches to 20 inches, were caught on one fishing trip to Lake Wallula (Benton County) in 2004 (Figure 18).



**Figure 18.** Length frequency distribution of largemouth bass in Lake Wallula (Pierce County) in 2004.

### Comparative Catch Information

The statewide catch rate or catch per unit effort (CPUE) for largemouth bass of any size was 1.11 fish per hour in 2004. This is now highest statewide CPUE for largemouth bass of any size. The previous high CPUE was 0.94 fish per hour in 2003. The CPUE for other years in which data was collected, ranged from 0.39 to 0.77 (Table 3). The statewide CPUE for largemouth bass 12 inches or greater was 0.33 fish per hour in 2004. 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, 1990-2004 (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    |

## Smallmouth Bass

### Catch Data

A total of 290 smallmouth bass, 11 inches or greater, were caught in 627.5 hours fished on 119 individual fishing trips to 23 different waters in 2004. Catch and release information was available for all trips. Anglers reported practicing catch and release on 111 (93%) trips. Catch and release information was available for 420 individual smallmouth bass of all sizes caught. Ninety-six percent (405) of those fish were released. Catch and release information was also available for 290 individual largemouth bass 11 inches or greater caught. Ninety-six percent (278) of those fish were released.

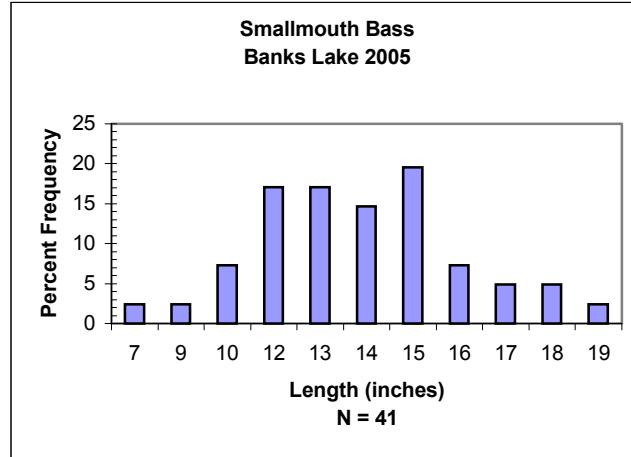
A complete summary of catch, hours fished and catch rates for smallmouth bass 11 inches or greater are listed for each individual water fished in 2004 (Table 4).

**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 2004.

| Water           | County                                   | No. of Trips | Hours Fished | No. Fish Caught | CPUE        | Avg. Trip Length (hrs) |
|-----------------|--|--------------|--------------|-----------------|-------------|------------------------|
| American        | Pierce                                   | 1            | 3.5          | 2               | 0.57        | 3.5                    |
| Banks           | Grant                                    | 8            | 46.0         | 36              | 0.78        | 5.8                    |
| Black           | Thurston                                 | 2            | 15.0         | 4               | 0.27        | 7.5                    |
| Herbert G. West | Columbia, Franklin, Walla Walla, Whitman | 1            | 2.0          | 0               | 0.00        | 2.0                    |
| Horsethief      | Klickitat                                | 2            | 3.5          | 7               | 2.00        | 1.8                    |
| Leland          | Jefferson                                | 1            | 9.0          | 1               | 0.11        | 9.0                    |
| Long            | Grant                                    | 4            | 32.0         | 27              | 0.84        | 8.0                    |
| Long            | Lincoln, Spokane                         | 9            | 34.5         | 12              | 0.35        | 3.8                    |
| Nahwatzel       | Mason                                    | 1            | 2.0          | 1               | 0.50        | 2.0                    |
| Palmer          | Okanogan                                 | 1            | 1.5          | 2               | 1.33        | 1.5                    |
| Potholes        | Grant                                    | 4            | 15.5         | 2               | 0.13        | 3.9                    |
| Priest Rapids   | Grant, Kittitas, Grant                   | 2            | 9.0          | 6               | 0.67        | 4.5                    |
| Riffe           | Lewis                                    | 8            | 46.5         | 12              | 0.26        | 5.8                    |
| Roosevelt       | Stevens                                  | 13           | 83.5         | 17              | 0.20        | 6.4                    |
| Samish          | Whatcom                                  | 1            | 7.0          | 1               | 0.14        | 7.0                    |
| Sammamish       | King                                     | 11           | 67.5         | 24              | 0.36        | 6.1                    |
| Spanaway        | Pierce                                   | 1            | 2.0          | 1               | 0.50        | 2.0                    |
| Spectacle       | Okanogan                                 | 1            | 4.5          | 10              | 2.22        | 4.5                    |
| St. Clair       | Thurston                                 | 2            | 9.5          | 1               | 0.11        | 4.8                    |
| Umatilla        | Benton, Klickitat                        | 1            | 11.0         | 29              | 2.64        | 11.0                   |
| Wallula         | Benton, Franklin, Grant, Walla Walla     | 8            | 33.5         | 12              | 0.36        | 4.2                    |
| Washington      | King                                     | 7            | 44.5         | 20              | 0.45        | 6.4                    |
| Whatcom         | Whatcom                                  | 31           | 153.5        | 64              | 0.42        | 5.0                    |
| <b>Totals</b>   |  | <b>120</b>   | <b>636.5</b> | <b>291</b>      | <b>0.46</b> | <b>5.3</b>             |

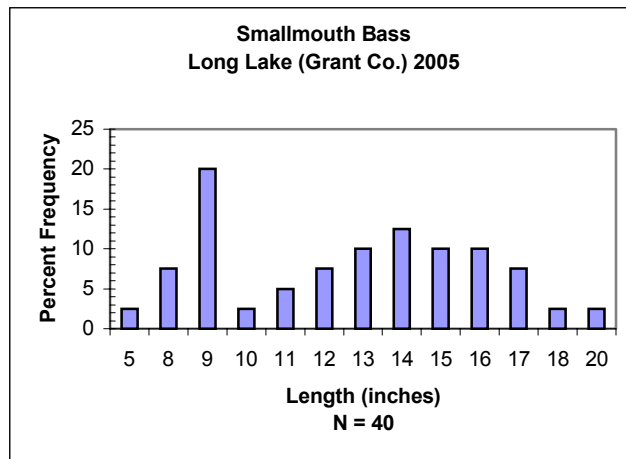
## Length Frequency Distributions

A total of 41 smallmouth bass, ranging from 7 inches to 19 inches, were caught on eight fishing trips to Banks Lake (Grant County) in 2004 (Figure 19).



**Figure 19.** Length frequency distribution of smallmouth bass in Banks Lake (Grant County) in 2004.

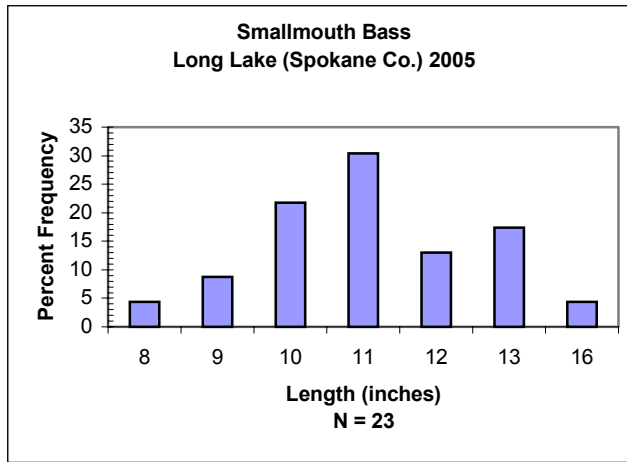
A total of 40 smallmouth bass, ranging from 5 inches to 20 inches, were caught on four fishing trips to Long Lake (Grant County) in 2004 (Figure 20).



**Figure 20.** Length frequency distribution of largemouth bass in Long Lake (Grant County) in 2004.

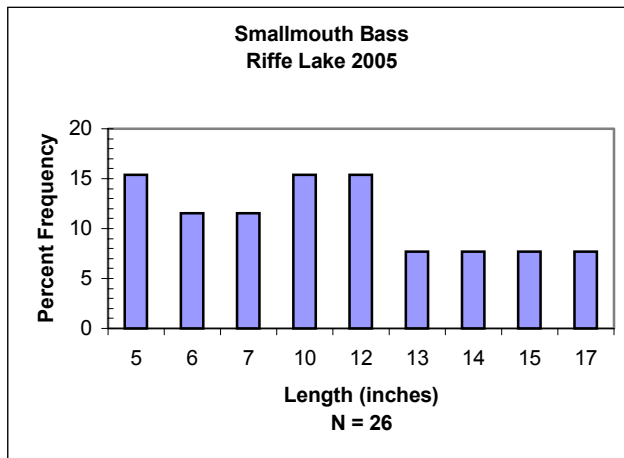


A total of 23 smallmouth bass, ranging from 8 inches to 16 inches, were caught on 9 fishing trips to Long Lake (Spokane County) in 2004 (Figure 21).



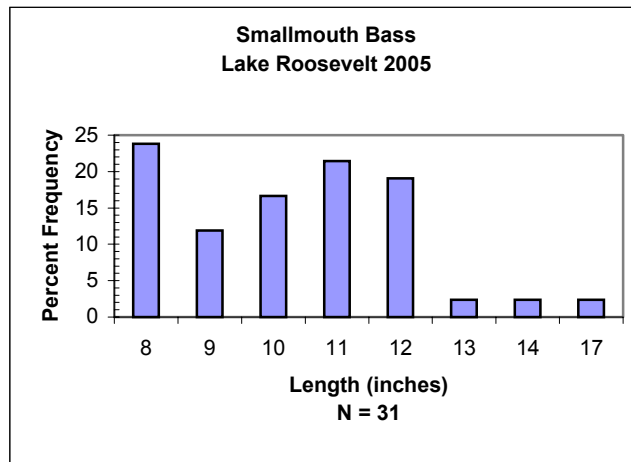
**Figure 21.** Length frequency distribution of largemouth bass in Long Lake (Spokane County) in 2004.

A total of 26 smallmouth bass, ranging from 5 inches to 17 inches, were caught on eight fishing trips to Riffe Lake (Lewis County) in 2004 (Figure 22).



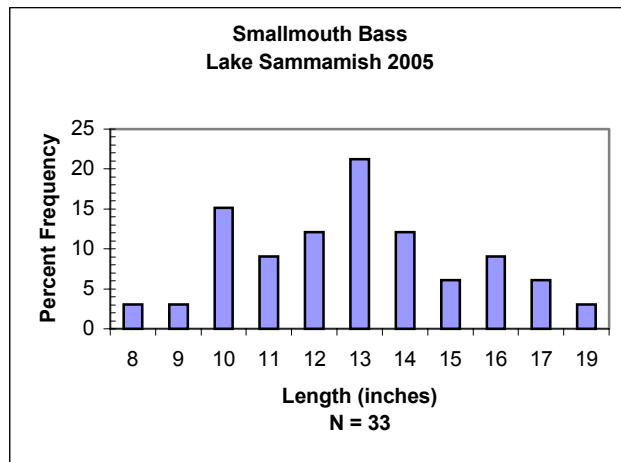
**Figure 22.** Length frequency distribution of largemouth bass in Riffe Lake (Lewis County) in 2004.

A total of 31 smallmouth bass, ranging from 8 inches to 14 inches, were caught on thirteen fishing trips to Lake Roosevelt (Ferry, Grant, Lincoln, Okanogan, and Stevens Counties) in 2004 (Figure 23).



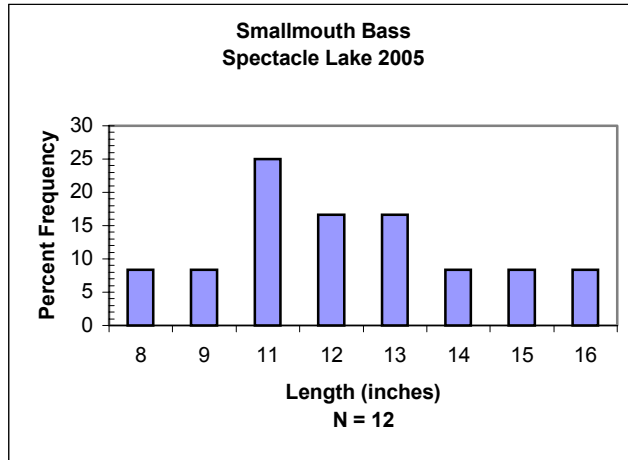
**Figure 23.** Length frequency distribution of largemouth bass in Lake Roosevelt (Ferry, Grant, Lincoln, Okanogan, and Stevens Counties) in 2004.

A total of 33 smallmouth bass, ranging from 8 inches to 19 inches, were caught on eleven fishing trips to Lake Sammamish (King County) in 2004 (Figure 24).



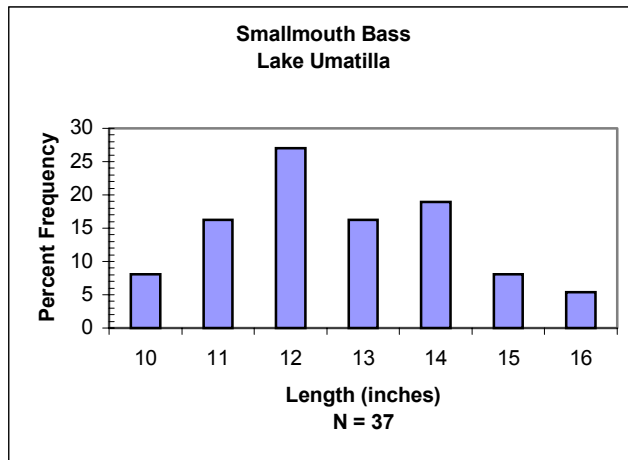
**Figure 24.** Length frequency distribution of largemouth bass in Lake Sammamish (King County) in 2004.

A total of 12 smallmouth bass, ranging from 8 inches to 16 inches, were caught on one fishing trip to Spectacle Lake (Okanogan County) in 2004 (Figure 25).



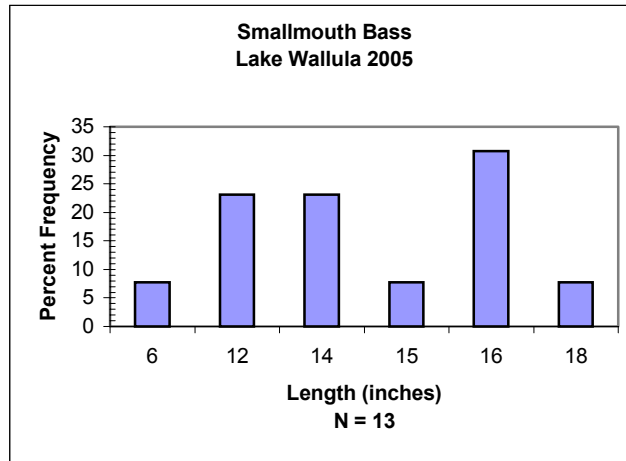
**Figure 25.** Length frequency distribution of smallmouth bass in Spectacle Lake (Okanogan County) in 2004.

A total of 37 smallmouth bass, ranging from 10 inches to 16 inches, were caught on one fishing trip to Lake Umatilla (Benton and Klickitat Counties) in 2004 (Figure 26).



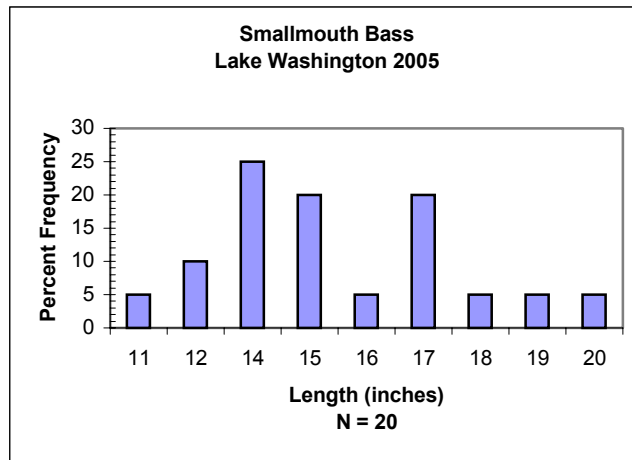
**Figure 26.** Length frequency distribution of smallmouth bass in Lake Umatilla (Benton and Klickitat Counties) in 2004.

A total of 13 smallmouth bass, ranging from 6 inches to 18 inches, were caught on eight fishing trips to Lake Wallula (Benton, Franklin, Grant, and Walla Walla Counties) in 2004 (Figure 27).



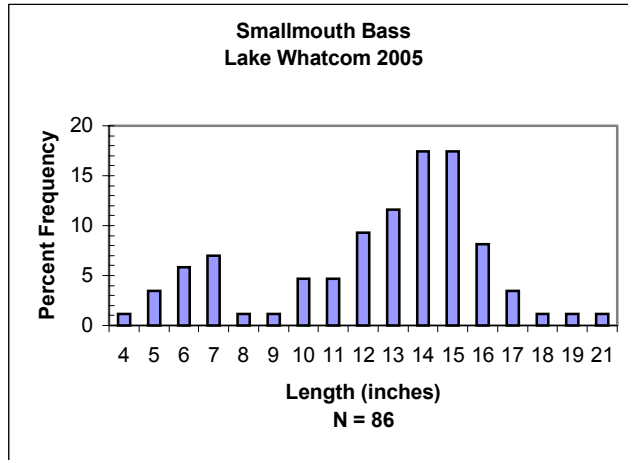
**Figure 27.** Length frequency distribution of smallmouth bass in Lake Wallula (Benton, Franklin, Grant, and Walla Walla Counties) in 2004.

A total of 20 smallmouth bass, ranging from 11 inches to 20 inches, were caught on seven fishing trips to Lake Washington (King County) in 2004 (Figure 28).



**Figure 28.** Length frequency distribution of smallmouth bass in Lake Washington (King County) in 2004.

A total of 86 smallmouth bass, ranging from 4 inches to 21 inches, were caught on 31 fishing trips to Lake Whatcom (Whatcom County) in 2004 (Figure 29).



**Figure 29.** Length frequency distribution of largemouth bass in Lake Whatcom (Whatcom County) in 2004.

## Comparative Catch Information

The statewide CPUE for smallmouth bass of any size was 0.67 fish per hour in 2004. 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 1.01 fish per hour in 2004. The statewide CPUE for smallmouth bass 11 inches or greater was highest in 1995 at 0.46 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, 1990-2004 (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    |

## Walleye

### Catch Data

A total of 554 walleye, 15 inches or greater, were caught in 1007.5 hours fished on 202 individual fishing trips to 8 different waters in 2004. Catch and release information was available for all trips. Anglers reported practicing catch and release fishing on walleye in 2004 on 88 (44%) trips. Catch and release information was available for 994 walleye of all sizes caught. Fifty-nine percent (584) of those fish were released. Catch and release information was also available for 554 walleye 15 inches or greater caught. Sixty-six percent (333) of those fish were released.

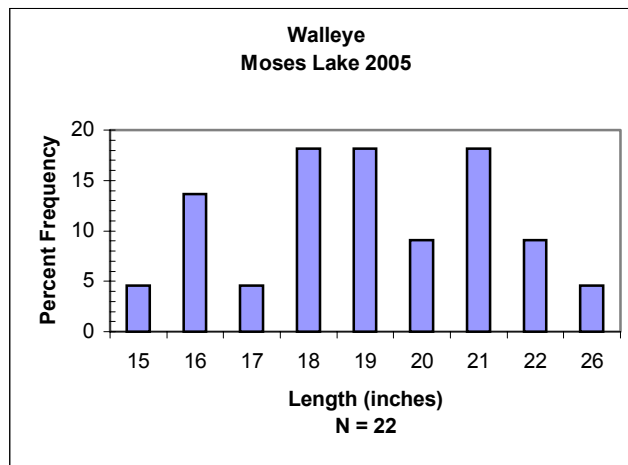
A complete summary of catch, hours fished and catch rates for walleye 15 inches or greater are listed for each individual water fished in 2004 (Table 6).

**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 2004.

| Water         | County                                   | No. of Trips | Hours Fished  | No. Fish Caught | CPUE        | Avg. Trip Length (hrs) |
|---------------|--|--------------|---------------|-----------------|-------------|------------------------|
| Banks         | Grant                                    | 3            | 24.0          | 5               | 0.21        | 8.0                    |
| Evergreen     | Grant                                    | 2            | 6.0           | 4               | 0.67        | 3.0                    |
| Long          | Grant                                    | 2            | 18.0          | 2               | 0.11        | 9.0                    |
| Moses         | Grant                                    | 8            | 35.5          | 22              | 0.62        | 4.4                    |
| Potholes      | Grant                                    | 16           | 85.5          | 39              | 0.46        | 5.3                    |
| Roosevelt     | Ferry, Grant, Lincoln, Okanogan, Stevens | 122          | 619.5         | 312             | 0.50        | 5.1                    |
| Soda          | Grant                                    | 2            | 12.0          | 2               | 0.17        | 6.0                    |
| Wallula       | Benton, Franklin, Grant                  | 47           | 207.0         | 168             | 0.81        | 4.4                    |
| <b>Totals</b> |  | <b>202</b>   | <b>1007.5</b> | <b>554</b>      | <b>0.55</b> | <b>5.0</b>             |

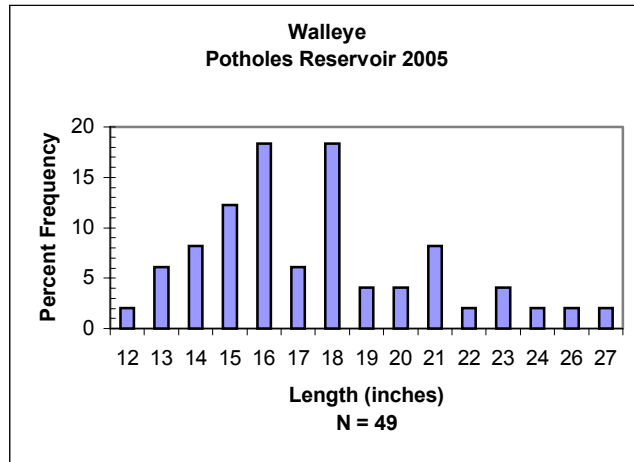
### Length Frequency Distributions

A total of 22 walleye, ranging from 15 inches to 26 inches, were caught on eight fishing trips to Moses Lake (Grant County) in 2004 (Figure 30).



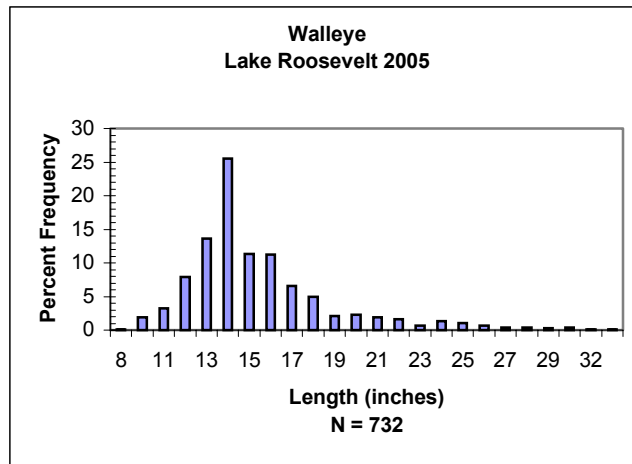
**Figure 30.** Length frequency distribution of walleye in Moses Lake (Grant County) in 2004.

A total of 49 walleye, ranging from 12 inches to 27 inches, were caught on sixteen fishing trips to Potholes Reservoir (Grant County) in 2004 (Figure 31).



**Figure 31.** Length frequency distribution of walleye in Potholes Reservoir (Grant County) in 2004.

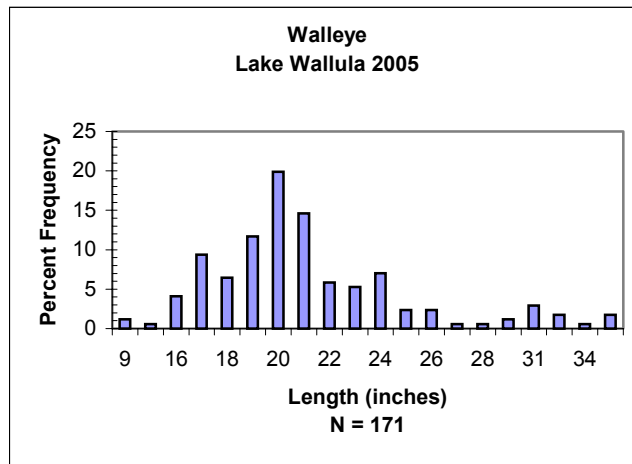
A total of 732 walleye, ranging from 8 inches to 34 inches, were caught on 122 fishing trips to Lake Roosevelt (Ferry, Grant, Lincoln, Okanogan, and Stevens Counties) in 2004 (Figure 32).



**Figure 32.** Length frequency distribution of walleye in Lake Roosevelt (Ferry, Grant, Lincoln, Okanogan, and Stevens Counties) in 2004.



A total of 171 walleye, ranging from 9 inches to 35 inches, were caught on 207 fishing trips to Lake Wallula (Benton, Franklin, and Grant Counties) in 2004 (Figure 33).



**Figure 33.** Length frequency distribution of walleye in Lake Wallula (Benton, Franklin, and Grant Counties) in 2004.

### Comparative Catch Information

The statewide CPUE for walleye of any size was 0.99 fish per hour in 2004. 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 0.55 fish per hour in 2004. The statewide CPUE walleye 15 inches or greater was highest 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, 1990-2004 (no data was available for 1999). Prior to 2001, the quality size for walleye was 16 inches.

| 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    |

## Black Crappie

### Catch Data

A total of 39 black crappie, 8 inches or greater, were caught in 47.5 hours fished on 12 individual trips to 3 different waters in 2004. Catch and release information was available for all trips. Anglers reported practicing catch and release fishing on black crappie in 2004 on three (25%) trips. Catch and release information was available for 49 black crappie of any size. Twelve percent (6) of those fish were released. Catch and release information was also available for 39 black crappie 8 inches or greater caught. Three percent (1) of those fish were released.

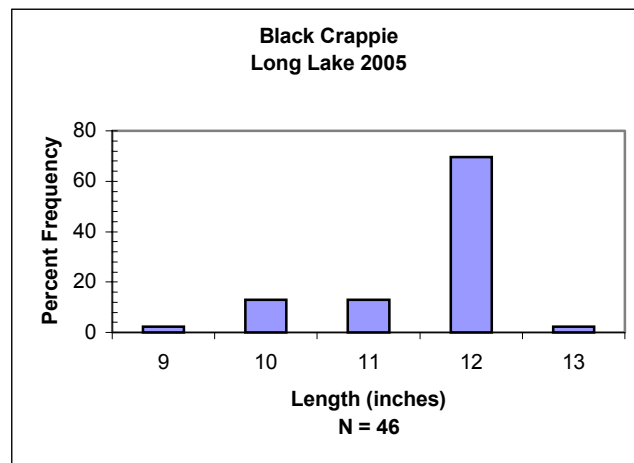
A complete summary of catch, hours fished and catch rates for black crappie 8 inches or greater are listed for each individual water fished in 2004 (Table 8).

**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 2004.

| 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                   |
| Herbert G. West | Columbia, Franklin, Walla Walla, Whitman | 1            | 1.0          | 1               | 1.00 | 1.0                   |
| Long            | Spokane, Stevens                         | 10           | 43.5         | 46              | 1.06 | 4.4                   |
| <b>Totals</b>   |  | 12           | 47.5         | 47              | 0.99 | 4.0                   |

### Length Frequency Distribution

A total of 46 black crappie, ranging from 9 inches to 13 inches, were caught on ten fishing trips to Long Lake (Spokane and Stevens Counties) in 2004 (Figure 34).



**Figure 34.** Length frequency distribution of black crappie in Long Lake (Spokane and Stevens Counties) in 2004.

### Comparative Information

### Catch

The statewide CPUE for black crappie of any size was 1.03 fish per hour in 2004. The statewide CPUE for black crappie of any size was highest in 2001 at 2.36 fish per hour. The CPUE for the other two years (2002 and 2003) in which data was collected, was 1.41 and 1.88 fish per hour, respectively (Table 9). The statewide CPUE for black crappie 8 inches or greater

was 0.82 fish per hour in 2004. 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 two years (2002 and 2003) in which data was collected, was 1.22 to 0.13 fish per hour, respectively (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, 2001-2004 (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 |

## Tiger Muskie

### Catch Data

A total of three tiger muskie, 36 inches or greater, were caught in 39 hours fished on ten individual trips to three different waters in 2004. Catch and release information was available for all trips. Anglers reported practicing catch and release fishing on tiger muskie in 2004 on all (100%) trips. Catch and release information was available for 13 tiger muskie of any size. One hundred percent (13) of those fish were released. Catch and release information was also available for three tiger muskie 36 inches or greater caught. One hundred percent (3) of those fish were released.

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 2004 (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 2004.

| Water        | County | No. of Trips | Hours Fished | No. Fish Caught | CPUE        | Avg. Trip Length (hrs) |
|--------------|--------|--------------|--------------|-----------------|-------------|------------------------|
| Evergreen    | Grant  | 1            | 4.0          | 0               | 0.00        | 4.0                    |
| Mayfield     | Lewis  | 6            | 24.0         | 3               | 0.13        | 4.0                    |
| Tapps        | Pierce | 3            | 11.0         | 0               | 0.00        | 3.7                    |
| <b>Total</b> |        | <b>10</b>    | <b>39.0</b>  | <b>3</b>        | <b>0.08</b> | <b>3.9</b>             |

## Comparative Catch Information

The statewide CPUE for tiger muskie of any size was 0.33 fish per hour in 2004. The statewide CPUE for tiger muskie of any size was highest in 2002 at 0.50 fish per hour. The CPUE for the other year in which data was collected (2001), was 0.10 fish per hour, respectively (Table 11). The statewide CPUE for tiger muskie 36 inches or greater was 0.08 fish per hour in 2004. The statewide CPUE for tiger muskie 36 inches or greater was highest in 2002 at 0.50 fish per hour. The CPUE for the other year in which data was collected (2001), 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, 2001-2004 (no data prior to 2001).

| Year | No. of Waters | Hours Fished | No. Caught | All Sizes | >= 36 inches |         |
|------|---------------|--------------|------------|-----------|--------------|---------|
|      |               |              |            | 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    |

## Channel Catfish

### Catch Data

No channel catfish 16 inches or greater, were caught in one hour on one individual trip to one body of water in 2004 (Table 12). One catfish of any size was caught and released.

**Table 12.** 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 2004.

| Water           | County                                   | No. of Trips | Hours Fished | No. Fish Caught | CPUE | Avg. Trip Length (hrs) |
|-----------------|--|--------------|--------------|-----------------|------|------------------------|
| Herbert G. West | Columbia, Franklin, Walla Walla, Whitman | 1            | 1.0          | 0               | 0.00 | 1.0                    |

## Comparative Catch Information

The statewide CPUE for channel catfish of any size was 1.00 fish per hour in 2004. The statewide CPUE for channel catfish of any size was highest in 2003 at 1.88 fish per hour. The statewide CPUE for channel catfish of any size for the other two years (2001 and 2002) in which data was collected, was 0.00 and 1.20 fish per hour, respectively (Table 13). The statewide

CPUE for channel catfish 16 inches or greater was also 0.00 fish per hour in 2004. The statewide CPUE for channel catfish 16 inches or greater was highest in 2002 at 1.00 fish per hour. The statewide CPUE for channel catfish 16 inches or greater for the other two years (2001 and 2003) in which data was collected, was 0.00 and 0.13 fish per hour, respectively (Table 13).

**Table 13.** Annual average volunteer angler catch rate (catch per unit effort (CPUE) for channel catfish caught of any size and for channel catfish 16 inches or greater, 2001-2004 (no data was available prior to 2001).

| Year | No. of Waters | Hours Fished | All Sizes  |      | ≥ 16 inches |      |
|------|---------------|--------------|------------|------|-------------|------|
|      |               |              | No. Caught | CPUE | No. Caught  | CPUE |
| 2001 | 1             | 7.0          | 0          | 0.00 | 0           | 0.00 |
| 2002 | 1             | 10.0         | 12         | 1.20 | 10          | 1.00 |
| 2003 | 1             | 37.8         | 71         | 1.88 | 5           | 0.13 |
| 2004 | 1             | 1.0          | 1          | 1.00 | 0           | 0.00 |



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