Summary Report of Black Bass Fishing Contests Held in California During 2014





Lake and Reservoir Management & Research Project



Summary Report of Black Bass Fishing Contests Held in California During 2014

By

Maxfield A. Fish
Environmental Scientist – Warm Water Specialist

Lake and Reservoir Management & Research Project California Department of Fish & Wildlife

May 2015

This project was funded in part by the Federal Aid in Sport Fish Restoration Act, Grant F14AF00644, California.

TABLE OF CONTENTS

Summary Report	
Introduction4	
History of Fishing Contest Management4	
Permitting Process	
Reporting Requirement4	
Future of Fishing Contest Management4	
Permits Issued	
Participation	
Fishing Locations9	
Timing	
Total Catch	
Catch Rate	
Fish Size	
Initial Mortality	
Additional Resources and FAQs	
Where are upcoming tournaments?19	
How do I apply for a fishing contest permit?	
How do I report the results of a fishing contest?19	

TABLE OF CONTENTS

Appendix 1–All Contest Summary	21
Appendix 2–"Event" Contest Summary	25
Appendix 3–"Annual" Contest Summary	29

Introduction

Fishing contests represent an important component of recreational fishing in California, and typically include tournaments and derbies. Black bass tournaments represented 90% of all fishing contests held in California in 2014; therefore this report focuses on the black bass subset.

History of Fishing Contest Management

Beginning in 1975, organizers offering prizes or other inducements for the taking of sport fish in any California water were required to obtain a fishing contest permit from the CDFW. Since 1985, organizers have been required to submit a "Fishing Contest Report" to the CDFW detailing the results of each permitted contest. In 1990, in an effort to gather more data, regulations were established that provided two types of contests, "Event" and "Annual." An "Event" type contest permit is designed to regulate large fishing contests often run by commercial organizations. The "Annual" type contest permit is designed to gather data from smaller organized contests, such as those offered by bass clubs or individuals.

Permitting Process

An "Event" type permit is required for contests in which more than 50 anglers will participate or the sponsor is offering \$1,000 or more in prizes or other inducements. An "Event" contest targeting black bass may not exceed 3 days duration, and no more than one "Event" type contest may be held on any water on the same day with the exception of the Sacramento – San Joaquin Delta (Delta). On the Delta, up to 3 "Event" permits may be issued per day as long as only one weigh-in location appears in each of the following counties: San Joaquin, Contra Costa, and Sacramento.

An "Annual" type permit is required for contests with 50 or fewer participants and the sponsor is offering less than \$1,000 in prizes or other inducements. Up to 12 individual contests may appear on each "Annual" type permit, and there is no limit to the number of "Annual" type permits that can be issued for each date and/or water.

Reporting Requirement

For each permit issued, the organizer is required to complete and return a "Fishing Contest Report" form to the CDFW within 30 days of the conclusion of each contest. Report compliance has varied from year to year. Beginning in 2007, in an effort to improve compliance, the CDFW began sending a "Letter of Notice" to organizers that specific contest reports were delinquent. In late 2008, CDFW improved reporting procedures by developing a writeable PDF form and e-mail submission procedures.

Future of Fishing Contest Management

Fishing contests can put intense fishing pressure on black bass fisheries. Adaptive management is essential to ensure fishery health while maintaining and improving recreational fisheries. Adaptive management includes activities implemented by CDFW, water control agencies, , fishing contest sponsors, and the anglers.

CDFW does its part by:

- Approving or denying permits to hold fishing contests according to regulations
- Rescinding permits of non-compliant sponsors
- Monitoring fishing contests with an observer
- Responding to angler inquiries and concerns regarding tournaments

 Assessing the effects of fishing contests on the fishery, including poor fish care, barotrauma incidence, and mortality rates

Tournament organizations can do their part as a sponsor by:

- Enforcing proper fish care by participants during each contest
- Informing participants of unique conditions at any water, such as the presence of protected aquatic species, areas off limits to fishing, or non-standard length or bag limits
- Communicating with the local marina, water control agency, or property owner to ensure you have their appropriate permits and permissions
- Enforcing any aquatic invasive guidelines for all boats, such as quagga mussel inspections, and ensuring participants are aware of any required inspections
- Filing tournament contest reports in a timely manner.

Anglers can do their part by:

- Taking the best care of their fish possible at all points during the tournament. Remember, high
 mortality rates don't just hurt an anglers performance in the tournament; it also negatively imapcts
 the fishery. The loss of large fish from the population reduces not only their density (and angler
 catch rates), but also reduces the spawning potential of the population. Big females produce far
 more eggs than small females.
- Following directions from sponsors during weigh-ins
- Respecting the special conditions identified for bass tournaments (See "Additional Resources")
- Following all guidelines and regulations for aquatic invasive species and protected species

Permits Issued

In 2014, a total of 1,748 permits were issued to sponsors offering prizes for the taking of game fish in California. Of those permits, 1,567 were issued for tournaments targeting black bass. Not all permitted contests were held since some contests were cancelled. In 2014, 72% (n=1,046) of all black bass fishing contests submitted complete reports and were used in the analysis described in this report (Figure 1).

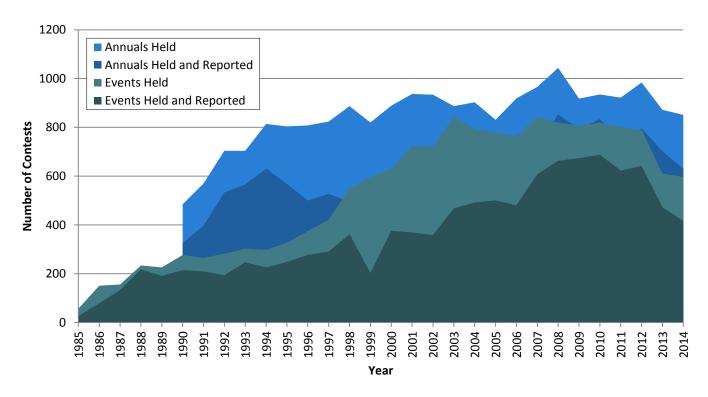


Figure 1. Number of fishing contests permitted and subsequently reported from 1985-2014 by type.

A total of 646 "Event" type fishing contests were permitted in 2014. This is a slight decrease from the number of contests permitted in 2013 (*Table I*). Because some contests were either cancelled or submitted incomplete reports, only 416 reports were used in the summary for this report.

A total of 921 "Annual" type contests were permitted in 2014, of which 905 submitted completed reports. The number of "Annual" type contests permitted in 2014 represents a slight decrease from the previous year but still remains above the long-term average (*Table 2*). Because some contests were cancelled or submitted incomplete reports, only 630 reports were used in the summary for this report.

The number of "Annual" contests permitted has remained fairly consistent for the last five years. The number of "Event" continued to drop in 2014 and was the lowest since 2000.

Table 1. Number of "Event" type bass fishing contests permitted annually from 1985-2014.

Year	Number of Contests						
		1990	277	2000	630	2010	819
		1991	265	2001	724	2011	800
		1992	282	2002	721	2012	790
		1993	303	2003	843	2013	659
		1994	298	2004	793	2014	646
1985	57	1995	327	2005	777		
1986	151	1996	375	2006	765		
1987	156	1997	422	2007	843		
1988	234	1998	549	2008	820		
1989	226	1999	596	2009	808		

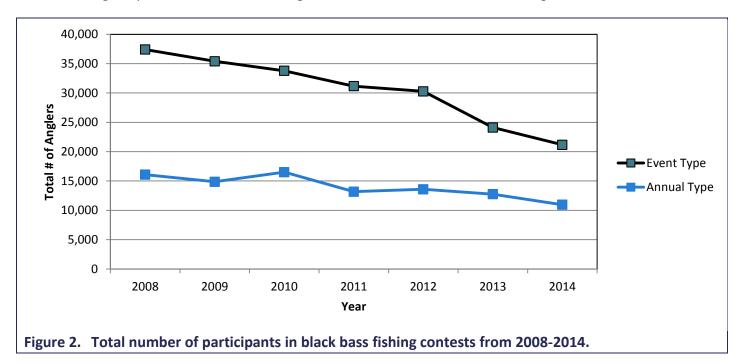
Table 2. Number of "Annual" type bass fishing contests permitted annually from 1985-2014.

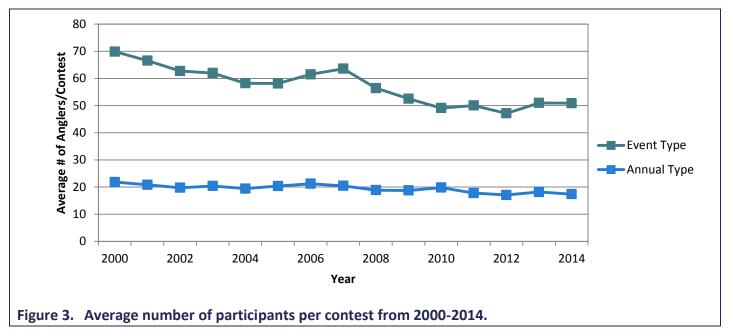
Year	Number of Contests						
		1990	485	2000	889	2010	935
		1991	570	2001	937	2011	922
		1992	704	2002	934	2012	984
		1993	704	2003	887	2013	975
		1994	814	2004	903	2014	921
1985		1995	804	2005	831		
1986		1996	808	2006	919		
1987		1997	824	2007	966		
1988		1998	887	2008	1,044		
1989		1999	820	2009	918		

Participation

Overall participation decreased from last year. The number of participants dropped 12% from 2013 for "Event" type contests and 14% for "Annual" type contests (Figure 2). Participation by anglers in "Event" type contests has declined by 45% since 2007.

The average number of anglers participating in each tournament has generally decreased for "Event" type contests since 2000, whereas the average participation for "Annual" type contests has remained more stable (Figure 3). There was a peak in "Event" type participation rates in 2007, but it has since dropped to about 50 anglers per tournament. The largest contest of 2014 attracted 338 anglers.





Fishing Locations

"Event" type fishing contests were held on 40 different waters throughout California (*Table 3*). In northern California, the Sacramento-San Joaquin Delta held the most tournaments of any water body, but up to 3 contests may be permitted on the Delta each day. For locations where only one "Event" type contest was permitted each day, Lake Oroville was the most popular location in northern California, while Castaic Lake was the most popular location in southern California. A total of 630 "Annual" type fishing contests were held on 57 different waters throughout California (*Table 4*). The greatest number of "Annual" type tournaments was held on the Sacramento-San Joaquin Delta, while Clear Lake was also a very popular tournament location. In the southern portion of the state, El Capitan and Lower Otay Lake were the most popular waters.

Table 3. Location and number of "Event" type contests targeting bass in 2014.

Water	# Contests	Water	# Contests
Sacramento-SJ Delta	89	Diamond Valley Lake	8
Castaic Lake	30	Success, Lake	8
Oroville, Lake	21	New Melones Lake	7
Pyramid Lake	20	Folsom Lake	5
Clear Lake	19	Hodges, Lake	5
El Capitan Lake	19	Santa Margarita Lake	5
Casitas Lake	17	New Bullards Bar Reservoir	3
McClure, Lake	17	Almanor, Lake	2
Berryessa, Lake	15	Ruth Lake	2
Don Pedro Reservoir	15	Silverwood Lake	2
Isabella Lake	15	Sonoma, Lake	2
H. V. Eastman Lake	11	Bass Lake	1
Kaweah, Lake	11	Black Butte Lake	1
Nacimiento, Lake	11	Camanche Reservoir	1
Lopez Lake	10	Colorado River	1
Pine Flat Lake	10	Iron Gate Reservoir	1
Shasta Lake	10	Pillsbury, Lake	1
Otay Lake, Lower	9	Skinner Reservoir	1
Perris Reservoir	9	Trinity Lake	1
Big Bear Lake	8	Sacramento River	1

Table 4. Location and number of "Annual" type contests targeting bass in 2014.

Water	# Contests	Water	# Contests
Sacramento-SJ Delta	133	Murray Reservoir	5
Clear Lake (Lake County)	60	New Bullards Bar Reservoir	5
Shasta Lake	41	Santa Margarita Lake	5
Don Pedro Reservoir	25	Whiskeytown Lake	5
El Capitan Lake (San Diego County)	23	Camp Far West (Placer County)	4
Nacimiento, Lake	23	Silverwood Lake	4
Berryessa, Lake	21	Cachuma, Lake	3
Oroville, Lake	21	Castaic Lagoon	3
Otay Lake, Lower	20	Folsom Lake	3
McClure, Lake	18	New Hogan Lake	3
Lopez Lake	17	Salt Springs	3
Tulloch Reservoir (Tuolumne County)	16	Skinner Reservoir	3
Pyramid Lake	15	Antelope Lake	2
Hodges, Lake	14	Camp Far West (Yuba County)	2
Pine Flat Lake	14	Colorado River (Riverside County)	2
Camanche Reservoir	13	Merle Collins Reservoir	2
New Melones Lake	12	Rollins Reservoir	2
Pardee Reservoir	11	Thermalito Afterbay	2
Trinity Lake	10	Black Butte Lake, Glenn County portion	1
Casitas Lake	9	Britton, Lake	1
Castaic Lake	9	Hogan Lake	1
Almanor, Lake	7	Iron Gate Reservoir	1
Amador, Lake	7	Millerton Lake (Fresno County)	1
Diamond Valley Lake	7	Scotts Flat Reservoir	1
Piru, Lake	7	Tulloch Reservoir (Calaveras County)	1
Sonoma, Lake	7	Blue Lake, Upper (Lake County)	1
Havasu, Lake	6	Siskiyou Reservoir	1
Perris Reservoir	6	Parker Dam Reservoir	1
Bass Lake (Madera County)	5		

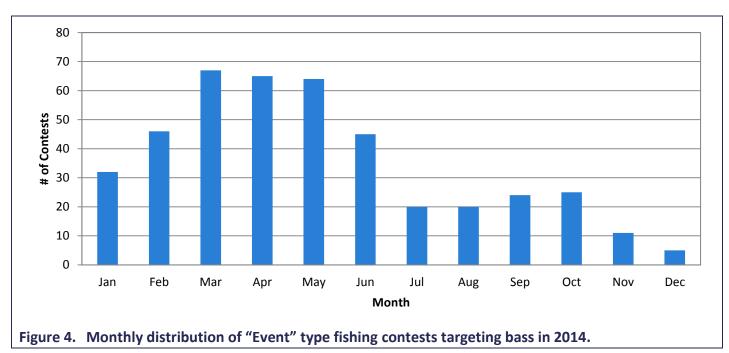
Timing

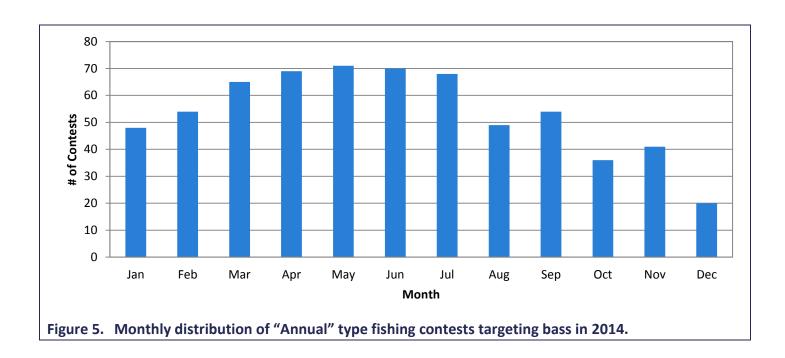
On average, 89 fishing contests targeting bass were held statewide each month in 2014. During May, the most popular month for bass contests, there were 135 contests held throughout the state. Spring is the preferred time for tournament fishermen to target bass because the fish have typically moved up into the shallow water and feed aggressively in preparation for spawning. Since most contests are held on either Saturday or Sunday, there were approximately 15 fishing contests held each weekend day during the month of May.

On average, 35 "Event" type contests were held each month throughout the state. The lowest number of contests per month was during the month of December (*Figure 4*). Fishing contests peaked during March. This year, fall was the least popular season for contests. Fewer sponsors avoided the period from June 15th – September 15th than in the past, a trend related to the 6-hour rule. This rule limits time between

blast off and the first weigh-in, not to exceed six hours in duration during the peak of summer. The 6-hour rule was implemented to help protect fish health.

For "Annual" type fishing contests, organizers conducted an average of 54 tournaments each month (*Figure 5*). May was the most popular month to hold a tournament with 71 contests held that month statewide. The 6-hour rule did not seem to deter organizers of "Annual" type contests either, as 164 contests were held between June 15th and September 15th. December was the least desirable month for sponsors of "Annual" type permits.





Total Catch

A total of 87,878 bass were reported caught in fishing contests in 2014. This is for all species combined – largemouth, smallmouth, and spotted bass – because organizers seldom separated catch by species in fishing contest reports. This represents a 10% decrease compared to total catch reported in 2013, and a 7% decrease in the 5-year average (*Figure 6*).

By contest type, organizers of "Event" type contests reported a total catch of 57,286 black bass (*Table 5*). This represents a 10% decrease in total catch from that reported in 2013. For "Annual" type contests, organizers reported a total catch of 30,592 black bass (*Table 6*). This represents an 8% decrease in total catch from that reported in 2013 for "Annual" contest types.

Table 5. Total number of bass caught in "Event" type fishing contests from 1985-2014.

Year	Total Catch						
		1990	44,602	2000	61,868	2010	81,248
		1991	34,099	2001	56,458	2011	76,421
		1992	39,166	2002	52,951	2012	76,765
		1993	47,321	2003	68,895	2013	63,997
		1994	53,645	2004	81,715	2014	57,286
1985	6,011	1995	50,095	2005	71,441		
1986	15,663	1996	55,571	2006	78,475		
1987	32,807	1997	60,874	2007	119,436		
1988	36,437	1998	64,930	2008	100,675		
1989	32,109	1999	33,755	2009	90,668		

Table 6. Total number of bass caught in "Annual" type fishing contests from 1985-2014.

Year	Total Catch						
		1990	12,170	2000	22,224	2010	38,349
		1991	12,600	2001	24,624	2011	32,458
		1992	21,510	2002	22,683	2012	37,385
		1993	25,715	2003	24,363	2013	33,198
		1994	35,125	2004	29,685	2014	30,592
1985		1995	28,882	2005	24,815		
1986		1996	28,138	2006	34,148		
1987		1997	31,013	2007	44,403		
1988		1998	26,291	2008	39,537		
1989		1999	5,452	2009	35,801		

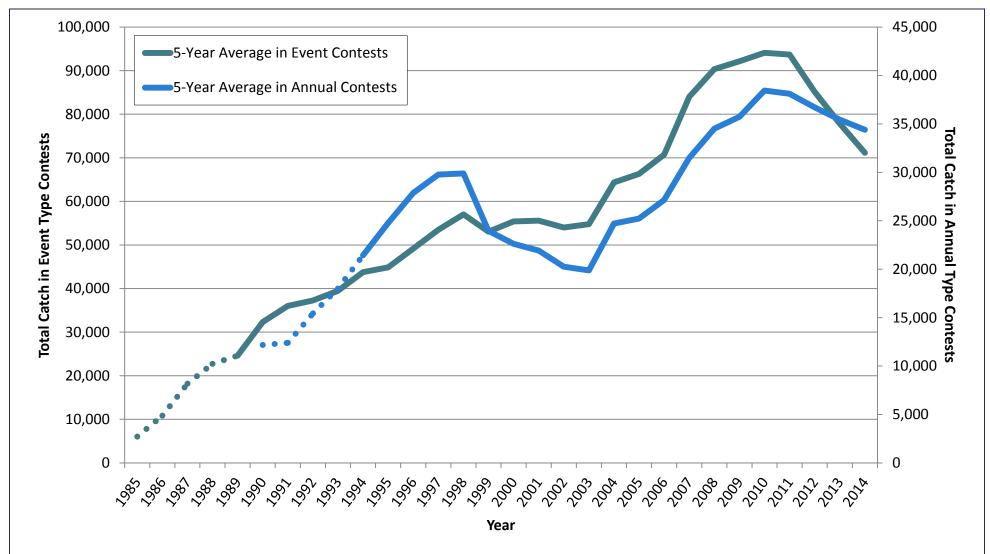


Figure 6. Five-year average in total catch of black bass in fishing contests from 1985-2014. Dotted lines indicate that less than 5 years were used calculate the value, due to the date at which initial data collection began.

Catch Rate

The overall catch rate for all bass contests held in 2014 was 0.33 fish/hour. The catch rates for "Event" (*Table 7*) and "Annual" (*Table 8*) type contests were 0.31 fish/hour and 0.34 fish/hour, respectively. In general the catch rate for tournament-caught bass has slowly risen since the beginning of data collection (*Figure 7*).

Table 7. Catch rate (fish/hour) of bass by year for "Event" type bass fishing contests from 1985-2014.

Year	Catch Rate						
		1990	0.22	2000	0.26	2010	0.25
		1991	0.18	2001	0.28	2011	0.28
		1992	0.20	2002	0.29	2012	0.32
		1993	0.21	2003	0.25	2013	0.29
		1994	0.25	2004	0.26	2014	0.31
1985	0.21	1995	0.23	2005	0.24		
1986	0.17	1996	0.25	2006	0.25		
1987	0.23	1997	0.26	2007	0.27		
1988	0.18	1998	0.25	2008	0.28		
1989	0.19	1999	0.24	2009	0.26		

Table 8. Catch rate (fish/hour) of bass by year for "Annual" type bass fishing contests from 1985-2014.

Year	Catch Rate						
		1990	0.20	2000	0.26	2010	0.26
		1991	0.18	2001	0.27	2011	0.29
		1992	0.21	2002	0.29	2012	0.34
		1993	0.22	2003	0.25	2013	0.31
		1994	0.27	2004	0.26	2014	0.34
1985		1995	0.25	2005	0.26		
1986		1996	0.27	2006	0.28		
1987		1997	0.29	2007	0.30		
1988		1998	0.27	2008	0.28		
1989		1999	0.28	2009	0.26		

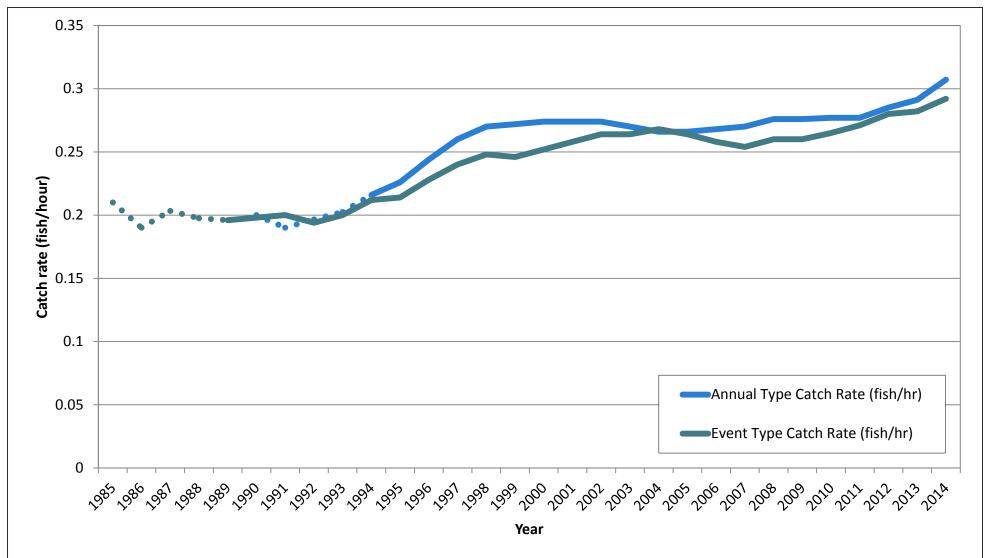


Figure 7. Five-year average catch rate (fish/hour) in "Annual" and "Event" type fishing contests from 1985-2014. Dotted lines indicate that less than 5 years were used calculate the value, due to the date at which initial data collection began.

Fish Size

The average weight of all black bass weighed in during 2014 was 2.31 pounds, which was nearly identical to the average size reported in 2013. This is the combined average weight of largemouth, smallmouth, and spotted bass. In "Event" type contests, the average bass weighed 2.47 pounds (*Table 9*). In "Annual" type contests, the average weight of bass was 2.15 pounds (*Table 10*).

Table 9. Average weight (lbs) of bass caught in "Event" type fishing contests from 1985-2014.

Year	Average Weight	Year	Average Weight	Year	Average Weight	Year	Average Weight
		1990	1.76	2000	1.98	2010	2.19
		1991	1.70	2001	2.01	2011	2.41
		1992	1.83	2002	2.22	2012	2.47
		1993	1.92	2003	2.21	2013	2.45
		1994	1.90	2004	2.22	2014	2.47
1985		1995	1.88	2005	2.30		
1986		1996	1.91	2006	2.32		
1987		1997	1.93	2007	2.18		
1988		1998	2.00	2008	2.40		
1989		1999	2.08	2009	2.24		

Table 10. Average weight (lbs) of bass caught in "Annual" type fishing contests from 1985-2014.

Year	Average Weight	Year	Average Weight	Year	Average Weight	Year	Average Weight
		1990	1.62	2000	1.88	2010	2.05
		1991	1.57	2001	1.92	2011	2.17
		1992	1.50	2002	2.03	2012	2.18
		1993	1.58	2003	2.14	2013	2.18
		1994	1.64	2004	2.12	2014	2.15
1985		1995	1.66	2005	2.10		
1986		1996	1.67	2006	2.01		
1987		1997	1.84	2007	2.12		
1988		1998	1.83	2008	2.13		
1989		1999	2.09	2009	1.94		

At each tournament, a record is kept noting the largest bass weighed in at that contest. In 2014, the largest bass weighed in during a bass tournament was a largemouth bass that weighed 14.12 pounds, taken on 3/16/14 from Lake Success. Other large fish taken during bass tournaments in 2014 were also largemouth bass, one caught from Don Pedro Reservoir weighing 13.94 pounds (3/29/14), one from the Sacramento-San Joaquin Delta weighing 13.33 pounds (4/13/14), and another from Lower Otay Lake weighing 13.13 pounds (3/8/14).

While these bass are trophy class fish, they are not the largest bass caught during a tournament in California. The largest tournament-caught bass on record (18.24 pounds) was caught in 1993 from Lake Cachuma (*Table I I*).

Table 11. Largest tournament-caught bass in California each year from 1986–2014. The largest tournament-caught bass on record in California is highlighted.

Year	Location	Date Caught	Species	Weight (lbs)
1986	Clear Lake	6/15/1986	Largemouth	12.80
1987	Lake Castaic	6/6/1987	Largemouth	17.90
1988	Lake Cachuma	3/18/1988	Largemouth	16.40
1989	Lake Castaic	6/10/1989	Largemouth	13.00
1990	Lake Casitas	3/10/1990	Largemouth	15.80
1991	Clear Lake	6/1/1991	Largemouth	15.38
1992	Lake Castaic	6/20/1992	Largemouth	17.87
1993	Lake Cachuma	4/17/1993	Largemouth	18.24
1994	Lake Casitas	4/30/1994	Largemouth	15.47
1995	Lake Castaic	6/10/1995	Largemouth	13.71
1996	Lake Perris	11/10/1996	Largemouth	15.38
1997	Lake Hodges	9/27/1997	Largemouth	16.50
1998	Lake Shasta	11/19/1998	Largemouth	16.56
1999	Lake Casitas	6/19/1999	Largemouth	14.74
2000	CA Delta	4/30/2000	Largemouth	17.57
2001	Lake Perris	11/11/2001	Largemouth	14.04
2002	Lake Casitas	6/15/2002	Largemouth	15.54
2003	CA Delta	4/12/2003	Largemouth	14.08
2004	Lake Success	5/15/2004	Largemouth	14.76
2005	Lake Shasta	10/9/2005	Largemouth	15.84
2006	CA Delta	4/15/2006	Largemouth	15.81
2007	Lake Pyramid	5/6/2007	Largemouth	16.40
2008	CA Delta	4/5/2008	Largemouth	14.25
2009	CA Delta	4/11/2009	Largemouth	15.59
2011	New Melones Reservoir	3/20/2011	Largemouth	18.11
2012	Lake Kaweah	1/21/2012	Largemouth	15.79
2013	New Melones Reservoir	3/09/2013	Largemouth	15.32
2014	Lake Success	3/16/2014	Largemouth	14.12

Initial Mortality

Tournament organizers are required, insofar as possible, to release all bass alive and in good condition back to the water where taken. In some instances bass are brought to the weigh-in scales dead; this is recorded as initial mortality on the Fishing Contest Report submitted by the contest organizer. Initial mortality is the only type of tournament-associated loss regularly monitored for bass fishing contests, although an unknown amount of delayed mortality occurs after release. Delayed mortality can be significant, and has been documented as high as 85% in other states.

For both "Event" type and "Annual" type contests held in 2014, organizers reported an initial mortality of 0.9% (*Table 12 and Table 13*). Initial mortality has remained less than 2.0% since 1988, when CDFW implemented the "Special Black Bass Tournament Conditions" to protect fish health.

Table 12. Initial mortality rate (%) of bass caught in "Event" type fishing contests from 1985 - 2014.

Year	Initial Mortality	Year	Initial Mortality	Year	Initial Mortality
1985	2.8	1995	0.8	2005	0.9
1986	2.0	1996	0.9	2006	1.1
1987	2.3	1997	1.0	2007	0.8
1988	1.4	1998	1.0	2008	0.8
1989	1.6	1999	0.9	2009	1.0
1990	1.2	2000	1.3	2010	0.7
1991	0.9	2001	1.1	2011	0.9
1992	1.1	2002	1.0	2012	1.1
1993	0.7	2003	0.9	2013	1.6
1994	0.7	2004	1.0	2014	0.9

Table 13. Initial mortality rate (%) of bass caught in "Annual" type fishing contests from 1990-2014.

Year	Initial Mortality	Year	Initial Mortality	Year	Initial Mortality
1990	2.0	2000	1.4	2010	0.9
1991	1.5	2001	1.3	2011	0.9
1992	1.9	2002	1.2	2012	1.1
1993	1.9	2003	1.2	2013	1.3
1994	1.7	2004	1.3	2014	0.9
1995	5.0	2005	1.2		
1996	1.4	2006	1.6		
1997	1.8	2007	1.2		
1998	1.4	2008	1.1		
1999	2.1	2009	1.1		

ADDITIONAL RESOURCES AND FAQS

Where are upcoming tournaments?

Upcoming fishing contests are listed online at: https://nrm.dfg.ca.gov/FishingContests/default.aspx...

I am from the local lake management (e.g., water control agency, state park, marina). Where can I get more information on the contests scheduled in my area? Your online portal does not provide enough information.

Contact Max Fish, the Lake and Reservoir Program's Warmwater Specialist, for more information at max.fish@wildlife.ca.gov or (916) 327-8849.

How do I apply for a fishing contest permit?

To apply for a fishing contest permit with CDFW, complete form FG-775, accessible online at https://nrm.dfg.ca.gov/FileHandler.ashx?DocumentID=16629. An additional form is required for "annual" type contests in CDFW Region 4, accessible at https://nrm.dfg.ca.gov/FileHandler.ashx?DocumentID=9895. Forms requesting exemption from fishing regulations are also available online at http://www.dfg.ca.gov/fish/Administration/Permits/FishingContest/.

Mail or turn in your application at your regional CDFW headquarters, with an address line "ATTN: Fishing Contest Application." The appropriate addresses are listed online: https://nrm.dfg.ca.gov/FileHandler.ashx?DocumentID=17840.

How do I report the results of a fishing contest?

Within 30 days of the completion of each contest complete form FG-776, accessible online at https://nrm.dfg.ca.gov/FileHandler.ashx?DocumentID=3324. Submit this report via email to contestreports@wildlife.ca.gov or mail completed form to:

ATTN: Fishing Contest Reports Fisheries Branch 830 "S" Street Sacramento, CA 95811

Appendix I

SUMMARY OF 2014 FISHING CONTEST REPORTS BY INDIVIDUAL WATER

ALL CONTEST TYPES

Water Name	Contest Days	Total Fish Count	Total Fish Weight (lbs)	Total Fish Reported Dead	Number of Competitors	Total Contest Hours	Total Hours Effort	Mean Catch Per Hour	Mean Weight Per Fish (lbs)
Almanor, Lake	13	702	2065.0	15	247	94	2371.0	0.36	2.88
Amador, Lake	9	350	685.4	10	124	53	922.0	0.37	2.06
Antelope Lake	2	81	204.4	0	38	14	272.0	0.32	2.46
Bass Lake	6	313	665.5	2	100	48	800.0	0.39	1.88
Berryessa, Lake	39	3945	10685.2	22	1471	309	11920.0	0.35	2.65
Big Bear Lake	9	115	249.7	0	67	62	484.0	0.29	2.14
Black Butte Lake	2	34	66.6	0	50	11	320.0	0.13	1.50
Blue Lake, Upper	1	54	143.6	0	16	6	96.0	0.56	2.66
Britton, Lake	1	13	19.7	0	7	8	56.0	0.23	1.51
Cachuma, Lake	3	48	85.8	1	29	24	232.0	0.20	1.80
Camanche Reservoir	15	725	1829.3	4	267	121	2231.0	0.32	2.51
Camp Far West	6	214	324.65	0	101	48	808.0	0.29	1.52
Casitas Lake	30	1821	5061.5	5	690	196.5	5344.0	0.32	2.52
Castaic Lagoon	3	108	251.0	0	88	18	528.0	0.21	2.30
Castaic Lake	43	2416	4854.9	18	1157	286	8616.0	0.27	2.02
Clear Lake	121	9695	33743.8	96	2709	945.5	34015.5	0.30	3.35
Colorado River	5	229	478.2	3	63	41	646.0	0.37	2.12
Sacramento-SJ Delta	262	25698	65754.99	206	8895	1854.75	82959.8	0.34	2.42
Diamond Valley Lake	16	1513	3625.7	32	940	117	6951.0	0.22	2.37
Don Pedro Reservoir	46	3146	6168.4	30	1313	332.5	10822.5	0.31	1.92
El Capitan Lake	47	3651	9476.5	34	1492	341	12004.0	0.38	2.42
Folsom Lake	8	666	1437.1	5	230	64	1840.0	0.30	2.26
H. V. Eastman Lake	12	485	766.9	11	177	93	1577.0	0.35	1.62
Havasu, Lake	9	301	698.9	1	54	98	832.0	0.40	2.12
Hodges, Lake	19	645	1563.1	8	399	156	3255.0	0.24	2.62
Hogan Lake	1	15	29.3	0	7	6	42.0	0.36	1.95
Iron Gate Reservoir	2	55	127.5	1	57	15	480.0	0.14	2.20
Isabella Lake	15	584	1879.3	2	295	112	2184.0	0.26	3.28
Kaweah, Lake	11	389	741.9	3	187	85.5	1440.5	0.30	1.94
Lopez Lake	32	1883	4637.2	8	610	227.25	5407.5	0.35	2.41

SUMMARY OF 2014 FISHING CONTEST REPORTS BY INDIVIDUAL WATER

All Contest Types

Water Name	Contest Days	Total Fish Count	Total Fish Weight (lbs)	Total Fish Reported Dead	Number of Competitors	Total Contest Hours	Total Hours Effort	Mean Catch Per Hour	Mean Weight Per Fish (lbs)
McClure, Lake	38	2457	3405.1	27	1232	275	9801.0	0.31	1.41
Merle Collins Reservoir	2	103	225.2	0	37	16	296.0	0.35	2.17
Millerton Lake	1	51	70.6	0	35	8	280.0	0.18	1.38
Murray Reservoir	5	116	210.4	0	64	42	520.0	0.21	1.82
Nacimiento, Lake	36	2752	3610.8	19	817	297	6897.0	0.45	1.30
New Bullards Bar Reservoir	7	197	599.8	1	171	65.5	1401.0	0.18	2.81
New Hogan Lake	3	164	255.2	1	39	24	312.0	0.36	1.55
New Melones Lake	23	2446	5024.5	18	681	162.5	6081.5	0.45	1.97
Oroville, Lake	51	4240	8106.8	33	1535	363.5	13799.5	0.32	1.85
Otay Lake, Lower	31	2201	3978.7	30	736	227.25	6033.0	0.43	1.76
Pardee Reservoir	11	377	697.2	8	172	83.5	1343.0	0.30	1.82
Parker Dam Reservoir	1	29	43.4	0	12	15	180.0	0.16	1.50
Perris Reservoir	22	624	1912.5	12	468	116	3464.0	0.19	3.06
Pillsbury, Lake	1	59	190.7	3	42	8.5	357.0	0.17	3.23
Pine Flat Lake	27	1570	2568.6	14	666	192.5	5084.5	0.33	1.63
Piru, Lake	9	220	482.9	4	87	51	632.0	0.37	2.25
Pyramid Lake	43	2774	6887.0	13	1281	250	9306.0	0.32	2.39
Rollins Reservoir	2	126	184.7	1	53	16	424.0	0.31	1.49
Ruth Lake	2	165	427.9	2	95	18	855.0	0.19	2.58
Sacramento River	1	266	516.1	2	81	8	648.0	0.41	1.94
Salt Springs	3	201	520.1	2	70	22	520.0	0.39	2.54
Santa Margarita Lake	11	673	1875.6	1	374	72.5	2623.5	0.20	3.07
Scotts Flat Reservoir	1	26	36.5	0	8	9	72.0	0.36	1.40
Shasta Lake	65	3776	6944.3	24	1013	493	10534.0	0.42	1.65

Water Name	Contest Days	Total Fish Count	Total Fish Weight (lbs)	Total Fish Reported Dead	Number of Competitors	Total Contest Hours	Total Hours Effort	Mean Catch Per Hour	Mean Weight Per Fish (lbs)
Silverwood Lake	6	154	394.0	2	128	49.5	1044.0	0.14	2.51
Siskiyou Reservoir	1	14	24.0	0	7	6	42.0	0.33	1.71
Skinner Reservoir	4	103	261.9	0	69	27	453.0	0.23	2.65
Sonoma, Lake	9	487	988.6	2	254	68.5	1982.0	0.24	1.93
Success, Lake	9	488	1029.4	3	225	59	1642.0	0.30	2.15
Thermalito Afterbay	2	78	129.1	0	50	17.5	430.0	0.19	1.64
Trinity Lake	14	515	1541.3	15	163	99	1458.0	0.38	2.97
Tulloch Reservoir	17	351	634	3	359	90	1730.0	0.26	1.98
Whiskeytown Lake	5	99	207.8	0	41	38	322.0	0.28	1.87
Grand Total	1251	87796	212305.3	757	32945	9077.25	290023.8	0.33	2.27

Appendix 2

SUMMARY OF 2014 FISHING CONTEST REPORTS BY INDIVIDUAL WATER

"EVENT" TYPE CONTESTS

Water Name	Contest Days	Total Fish Count	Total Fish Weight (lbs)	Total Fish Reported Dead	Number of Competitors	Total Contest Hours	Total Hours Effort	Mean Catch Per Hour	Mean Weight Per Fish (lbs)
Almanor, Lake	2	174	769.3	4	130	17.0	1132.0	0.19	4.38
Bass Lake	1	130	343.2	2	32	8.0	256.0	0.51	2.64
Berryessa, Lake	15	2465	7066.2	8	966	120.0	7728.0	0.32	2.89
Big Bear Lake	9	115	249.7	0	67	62.0	484.0	0.29	2.14
Camanche Reservoir	1	145	360.8	1	34	8.0	272.0	0.53	2.49
Casitas Lake	21	1749	4952.0	5	655	132.0	5100.0	0.37	2.88
Castaic Lake	33	2153	4340.4	18	1016	226.0	7698.0	0.27	2.06
Clear Lake	29	6422	23183.5	32	1778	231.0	22814.5	0.33	3.78
Colorado River	1	85	170.7	2	42	7.0	294.0	0.29	2.01
Sacramento-SJ Delta	109	18729	50496.31	120	6400	792.8	63331.8	0.31	2.71
Diamond Valley Lake	9	1330	3234.7	29	818	60.0	5956.0	0.24	2.69
Don Pedro Reservoir	16	1902	3923.8	16	858	123.5	6880.5	0.28	2.11
El Capitan Lake	23	2788	7052.5	21	1103	164.0	9140.0	0.37	2.37
Folsom Lake	5	543	1163.9	4	171	40.0	1368.0	0.33	2.29
H. V. Eastman Lake	12	485	766.9	11	177	93.0	1577.0	0.35	1.62
Hodges, Lake	5	238	611.4	2	190	40.0	1526.0	0.24	2.46
Iron Gate Reservoir	1	43	103.8	0	46	9.0	414.0	0.10	2.41
Isabella Lake	15	584	1879.3	2	295	112.0	2184.0	0.26	3.28
Kaweah, Lake	11	389	741.9	3	187	85.5	1440.5	0.30	1.94
Lopez Lake	11	878	2453.2	2	278	75.0	2310.0	0.36	2.76
McClure, Lake	17	1631	2275.0	16	947	135.0	7591.0	0.26	1.42
Nacimiento, Lake	12	1392	1867.2	6	484	94.0	3981.0	0.38	1.32
New Bullards Bar Reservoir	2	89	334.5	0	66	24.0	528.0	0.25	3.41
New Melones Lake	9	1587	3470.2	8	455	62.0	4236.0	0.41	2.23
Oroville, Lake	24	3064	5889.3	25	1126	180.0	10340.0	0.30	1.89
Otay Lake, Lower	11	1106	2179.2	13	439	72.8	3550.5	0.37	1.99
Perris Reservoir	14	471	1487.3	10	356	62.0	2460.0	0.20	3.17
Pillsbury, Lake	1	59	190.7	3	42	8.5	357.0	0.17	3.23
Pine Flat Lake	11	968	1680.5	8	456	77.0	3349.0	0.29	1.80
Pyramid Lake	26	2047	5324.3	11	994	146.0	7300.0	0.28	2.58

SUMMARY OF 2014 FISHING CONTEST REPORTS BY INDIVIDUAL WATER

Event Type Contests

Water Name	Contest Days	Total Fish Count	Total Fish Weight (lbs)	Total Fish Reported Dead	Number of Competitors	Total Contest Hours	Total Hours Effort	Mean Catch Per Hour	Mean Weight Per Fish (lbs)
Ruth Lake	2	165	427.9	2	95	18.0	855.0	0.19	2.58
Sacramento River	1	266	516.1	2	81	8.0	648.0	0.41	1.94
Santa Margarita Lake	5	511	1367.6	1	256	32.0	1656.0	0.23	3.12
Shasta Lake	15	1596	3438.2	7	435	117.0	5066.0	0.36	2.17
Silverwood Lake	2	77	210.7	1	48	16.0	384.0	0.20	2.77
Skinner Reservoir	1	31	101.1	0	21	6.0	126.0	0.25	3.26
Sonoma, Lake	2	274	573.8	0	140	16.5	1158.0	0.24	2.09
Success, Lake	9	488	1029.4	3	225	59.0	1642.0	0.30	2.15
Trinity Lake	1	44	182.8	0	22	8.0	176.0	0.25	4.15
Grand Total	495	57213	146425.0	398	21947	3550.5	197357.8	0.31	2.47

Annual Type Contests

Appendix 3

SUMMARY OF 2014 FISHING CONTEST REPORTS BY INDIVIDUAL WATER

"ANNUAL" TYPE CONTESTS

Water Name	Contest Days	Total Fish Count	Total Fish Weight (lbs)	Total Fish Reported Dead	Number of Competitors	Total Contest Hours	Total Hours Effort	Mean Catch Per Hour	Mean Weight Per Fish (lbs)
Almanor, Lake	11	528	1295.7	11	117	77.0	1239.0	0.41	2.45
Amador, Lake	9	350	685.4	10	124	53.0	922.0	0.37	2.06
Antelope Lake	2	81	204.4	0	38	14.0	272.0	0.32	2.46
Bass Lake	5	183	322.3	0	68	40.0	544.0	0.36	1.73
Berryessa, Lake	24	1480	3619.0	14	505	189.0	4192.0	0.37	2.48
Black Butte Lake	1	34	50.9	0	34	8.0	272.0	0.13	1.50
Blue Lake, Upper	1	54	143.6	0	16	6.0	96.0	0.56	2.66
Britton, Lake	1	13	19.7	0	7	8.0	56.0	0.23	1.51
Cachuma, Lake	3	48	85.8	1	29	24.0	232.0	0.20	1.80
Camanche Reservoir	14	580	1468.5	3	233	113.0	1959.0	0.30	2.52
Camp Far West	6	214	324.65	0	101	48.0	0.808	0.29	1.52
Casitas Lake	9	72	109.5	0	35	64.5	244.0	0.22	1.75
Castaic Lagoon	3	108	251.0	0	88	18.0	528.0	0.21	2.30
Castaic Lake	10	263	514.4	0	141	60.0	918.0	0.28	1.86
Clear Lake	92	3273	10560.3	64	931	714.5	11201.0	0.29	3.22
Colorado River	4	144	307.5	1	21	34.0	352.0	0.41	2.18
Sacramento-SJ Delta	153	6969	15258.68	86	2495	1062.0	19628.0	0.36	2.24
Diamond Valley Lake	7	183	391.0	3	122	57.0	995.0	0.20	2.06
Don Pedro Reservoir	30	1244	2244.5	14	455	209.0	3942.0	0.33	1.81
El Capitan Lake	24	863	2424.0	13	389	177.0	2864.0	0.39	2.47
Folsom Lake	3	123	273.2	1	59	24.0	472.0	0.26	2.20
Havasu, Lake	9	301	698.9	1	54	98.0	832.0	0.40	2.12
Hodges, Lake	14	407	951.7	6	209	116.0	1729.0	0.24	2.68
Hogan Lake	1	15	29.3	0	7	6.0	42.0	0.36	1.95
Iron Gate Reservoir	1	12	23.7	1	11	6.0	66.0	0.18	1.98
Lopez Lake	21	1005	2183.9	6	332	152.3	3097.5	0.34	2.21
McClure, Lake	21	826	1130.2	11	285	140.0	2210.0	0.36	1.41
Merle Collins Reservoir	2	103	225.2	0	37	16.0	296.0	0.35	2.17
Millerton Lake	1	51	70.6	0	35	8.0	280.0	0.18	1.38
Murray Reservoir	5	116	210.4	0	64	42.0	520.0	0.21	1.82

SUMMARY OF 2014 FISHING CONTEST REPORTS BY INDIVIDUAL WATER

Annual Type Contests

Water Name	Contest	Total Fish	Total Fish	Total Fish	Number of	Total Contest	Total Hours	Mean Catch	Mean Weight
Nacimiento, Lake	Days 24	Count 1360	Weight (lbs) 1743.6	Reported Dead 13	Competitors 333	Hours 203.0	Effort 2916.0	Per Hour 0.48	Per Fish (lbs) 1.29
New Bullards Bar Reservoir	5	108	265.3	1	105	41.5	873.0	0.13	2.45
New Hogan Lake	3	164	255.2	1	39	24.0	312.0	0.36	1.55
New Melones Lake	14	859	1554.3	10	226	100.5	1845.5	0.48	1.82
Oroville, Lake	27	1176	2217.5	8	409	183.5	3459.5	0.34	1.82
Otay Lake, Lower	20	1095	1799.4	17	297	154.5	2482.5	0.45	1.65
Pardee Reservoir	11	377	697.2	8	172	83.5	1343.0	0.30	1.82
Parker Dam Reservoir	1	29	43.4	0	12	15.0	180.0	0.16	1.50
Perris Reservoir	8	153	425.2	2	112	54.0	1004.0	0.16	2.90
Pine Flat Lake	16	602	888.1	6	210	115.5	1735.5	0.35	1.51
Piru, Lake	9	220	482.9	4	87	51.0	632.0	0.37	2.25
Pyramid Lake	17	727	1562.7	2	287	104.0	2006.0	0.38	2.13
Rollins Reservoir	2	126	184.7	1	53	16.0	424.0	0.31	1.49
Salt Springs	3	201	520.1	2	70	22.0	520.0	0.39	2.54
Santa Margarita Lake	6	162	508.0	0	118	40.5	967.5	0.18	3.02
Scotts Flat Reservoir	1	26	36.5	0	8	9.0	72.0	0.36	1.40
Shasta Lake	50	2180	3506.0	17	578	376.0	5468.0	0.43	1.52
Silverwood Lake	4	77	183.3	1	80	33.5	660.0	0.12	2.38
Siskiyou Reservoir	1	14	24.0	0	7	6.0	42.0	0.33	1.71
Skinner Reservoir	3	72	160.8	0	48	21.0	327.0	0.23	2.45
Sonoma, Lake	7	213	414.8	2	114	52.0	824.0	0.24	1.88
Thermalito Afterbay	2	78	129.1	0	50	17.5	430.0	0.19	1.64
Trinity Lake	13	471	1358.6	15	141	91.0	1282.0	0.39	2.85
Tulloch Reservoir	17	351	634	3	359	90.0	1730.0	0.26	1.98

Water Name	Contest Days	Total Fish Count	Total Fish Weight (lbs)	Total Fish Reported Dead	Number of Competitors	Total Contest Hours	Total Hours Effort	Mean Catch Per Hour	Mean Weight Per Fish (lbs)
Whiskeytown Lake	5	99	207.8	0	41	38.0	322.0	0.28	1.87
Grand Total	756	30583	65880.3	359	10998	5526.8	92666.0	0.34	2.15