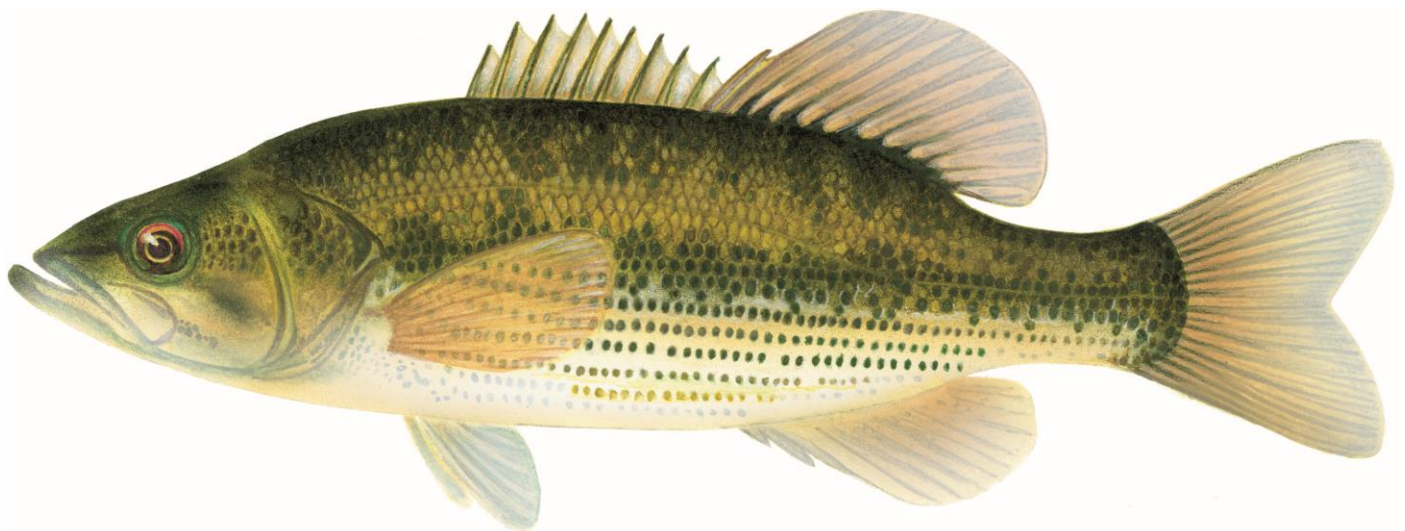


Summary Report of Black Bass Fishing Contests Held in California During 2015



Lake and Reservoir Management & Research Project



Summary Report of Black Bass Fishing Contests Held in California During 2015

By

Maxfield A. Fish
Environmental Scientist – Warm Water Specialist

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

May 2016

This project was funded in part by the Federal Aid in Sport Fish Restoration Act, Grants G1498018 and G1598066.

Introduction

Fishing contests represent an important component of recreational fishing in California, and typically include tournaments and derbies. Black bass tournaments represented 88% of all fishing contests held in California in 2015; 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 California Department of Fish and Wildlife (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 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 permit 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” 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. In early 2016 CDFW instituted an online report form through which tournament directors can submit their results directly to CDFW. This change has increased efficiency and accuracy for CDFW while streamlining the process for tournament directors.

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 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 angler's performance in the tournament; it also negatively impacts 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 2015, a total of 1,648 permits were issued to sponsors offering prizes for the taking of game fish in California. Of those permits, 1,451 were issued for tournaments targeting black bass. Not all permitted contests were held since some contests were cancelled. In 2015, 72% (n=1,042) of all black bass fishing contests submitted complete reports and were used in the analysis described in this report (Figure 1).

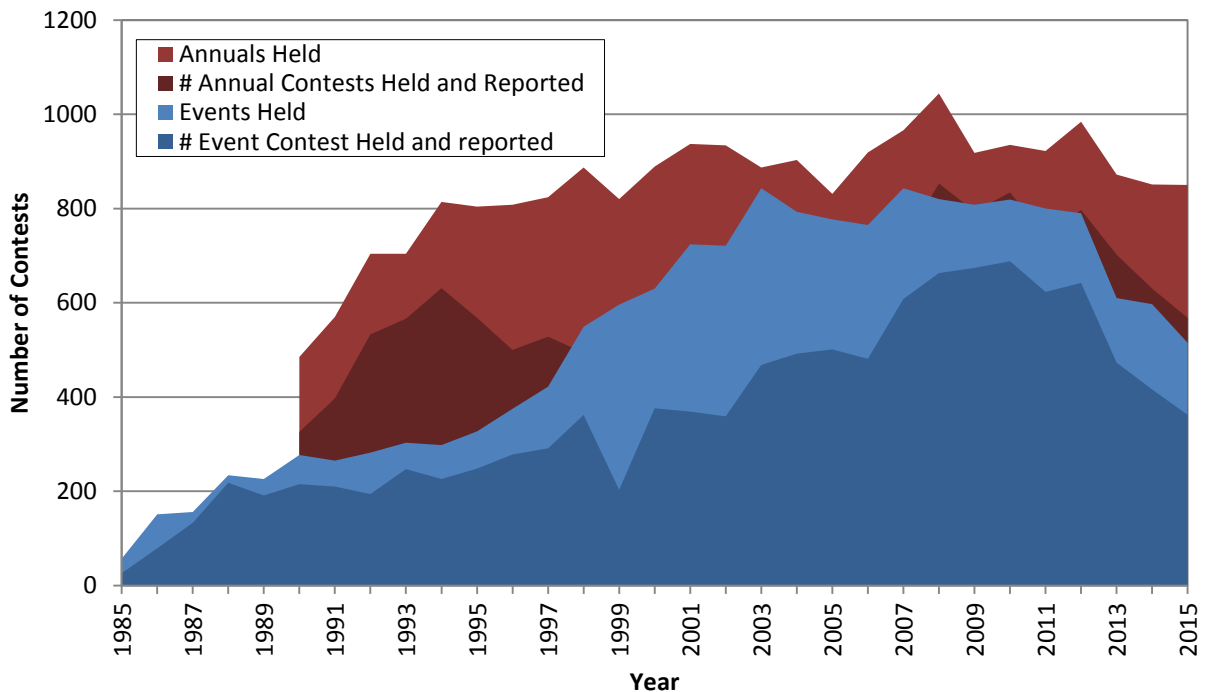


Figure 1. Number of fishing contests held and subsequently reported from 1985-2015 by type.

A total of 544 “Event” type black bass contests were permitted in 2015, of which 515 were presumed held (not cancelled). This represented a 15% decline from the number of contests held in 2014 (Table 1). Because some contests were either cancelled or submitted incomplete reports, only 362 reports were used in the summary for this report.

A total of 907 “Annual” type black bass contests were permitted in 2015, of which 850 were presumed held. The number of “Annual” type contests held in 2015 was nearly identical the number held in 2014 and remains above the long-term average (Table 1). Because some contests were cancelled or submitted incomplete reports only 568 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” contests continued to drop in 2015 and was the lowest since 2000.

Table 1. Number of contests held each year by type.

Year	"Event" Contests Held	"Annual" Contests Held	Year	"Event" Contests Held	"Annual" Contests Held
1985	57	NA	2001	724	937
1986	151	NA	2002	721	934
1987	156	NA	2003	843	887
1988	234	NA	2004	793	903
1989	226	NA	2005	777	831
1990	277	485	2006	765	919
1991	265	570	2007	843	966
1992	282	704	2008	820	1044
1993	303	704	2009	808	918
1994	298	814	2010	819	935
1995	327	804	2011	800	922
1996	375	808	2012	790	984
1997	422	824	2013	610	872
1998	549	887	2014	597	851
1999	596	820	2015	515	850
2000	630	889			

Participation

Overall participation decreased from last year. The number of participants dropped 4% from 2014 for “Event” type contests but remained steady for “Annual” type contests (Figure 2). Participation by anglers in “Event” type contests has declined by 47% 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. There has been a recent increasing trend in the average number of anglers per “Event” type contest since a low of 47 in 2012. The largest contest of 2015 attracted 415 anglers.

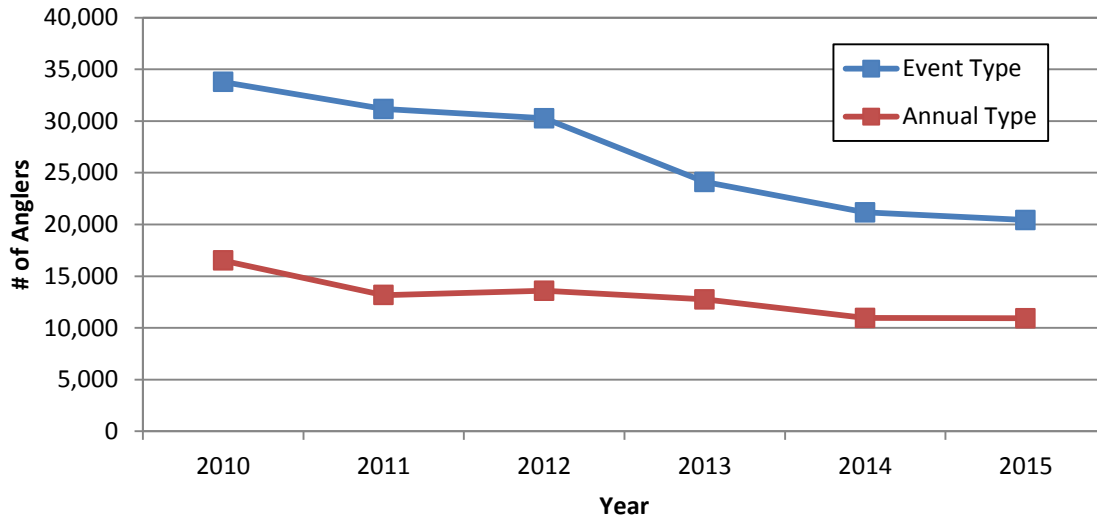


Figure 2. Total number of participants in black bass fishing contests from 2010-2015

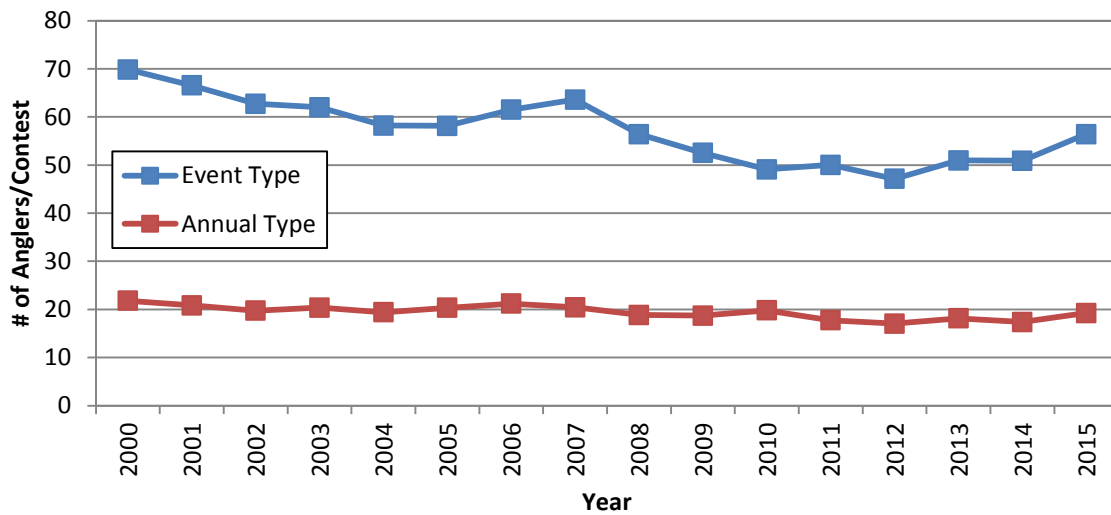


Figure 3. Average number of participants per contest from 2000-2015

Fishing Location

“Event” type fishing contests were held on 47 different waters throughout California (Table 2). 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, Clear Lake was the most popular

location in northern California, while Pyramid Lake was the most popular location in southern California. “Annual” type fishing contests were held on 66 different waters throughout California (Table 3). 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 Lake was the most popular water.

Table 2. Number of “Event” contests held at each water in 2015.

Water	# Contests	Water	# Contests
Sacramento-SJ Delta	104	Silverwood Lake	6
Pyramid Lake	32	Hodges, Lake	5
Clear Lake	29	Folsom Lake	3
Castaic Lake	28	Ruth Lake	3
El Capitan Lake	27	Sacramento River	3
Casitas Lake	24	Sonoma, Lake	3
Don Pedro Reservoir	22	Trinity Lake	3
Kaweah, Lake	22	Almanor, Lake	2
Diamond Valley Lake	17	New Bullards Bar Reservoir	2
Perris Reservoir	17	Solano Lake	2
Oroville, Lake	16	Amador, Lake	1
Isabella Lake	15	Bass Lake	1
Pine Flat Lake	15	Black Butte Lake	1
Shasta Lake	14	Britton, Lake	1
New Melones Lake	13	East Park Reservoir	1
Berryessa, Lake	12	Hensley Lake	1
Lopez Lake	12	Millerton Lake	1
Nacimiento, Lake	12	Pardee Reservoir	1
Otay Lake, Lower	11	Puddingstone Reservoir	1
Success, Lake	11	Skinner Reservoir	1
Big Bear Lake	6	Sycamore Island Park	1
Camanche Reservoir	6	Vail Lake	1
H. V. Eastman Lake	6		

Table 3. Number of “Annual” contests held at each water in 2015.

Water	# Contests	Water	# Contests
Sacramento-SJ Delta	195	Colorado River	5
Clear Lake	95	Havasu, Lake	5
Berryessa, Lake	58	Sonoma, Lake	5
Shasta Lake	46	Tulloch Reservoir	5
Don Pedro Reservoir	29	Whiskeytown Lake	5
El Capitan Lake	25	Castaic Lagoon	4
Nacimiento, Lake	24	Piru, Lake	4
Otay Lake, Lower	23	Black Butte Lake	3
Pine Flat Lake	22	Britton, Lake	3
Casitas Lake	19	Folsom Lake	3
Camanche Reservoir	17	Martinez Reservoir	3
Pyramid Lake	17	Thermalito Afterbay	3
Diamond Valley Lake	16	Blue Lake, Upper	2
Tulloch Reservoir	16	Kaweah, Lake	2
Lopez Lake	15	McClure, Lake	2
Trinity Lake	14	Merle Collins Reservoir	2
Castaic Lake	13	New Hogan Lake	2
Hodges, Lake	13	Rollins Reservoir	2
Oroville, Lake	12	Salt Springs	2
Almanor, Lake	11	Santa Margarita Lake	2
New Bullards Bar Reservoir	11	Big Bear Lake	1
Amador, Lake	10	Bullard Basin Lake	1
New Melones Lake	10	Highland Springs Reservoir	1
Perris Reservoir	10	Hogan Lake	1
Pardee Reservoir	9	Iron Gate Reservoir	1
Bass Lake	8	Mendocino, Lake	1
Skinner Reservoir	8	Mojave Narrows	1
Millerton Lake	7	Parker Dam Reservoir	1
Murray Reservoir	7	Puddingstone Reservoir	1
Silverwood Lake	6	San Antonio Lake	1
Camp Far West	5	Siskiyou Reservoir	1

Timing

On average, 77 fishing contests targeting bass were held statewide each month in 2015. During May, the most popular month for bass contests, there were 117 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 12 fishing contests held each weekend day during the month of May.

On average, 30 “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). 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 47 tournaments each month (Figure 4.) May was the most popular month to hold a tournament with 61 contests held statewide. The 6-hour rule did not seem to deter organizers of “Annual” type contests either, as 131 contests were held between June 15th and September 15th. December was the least desirable month for sponsors of both “Annual” and “Event” type permits.

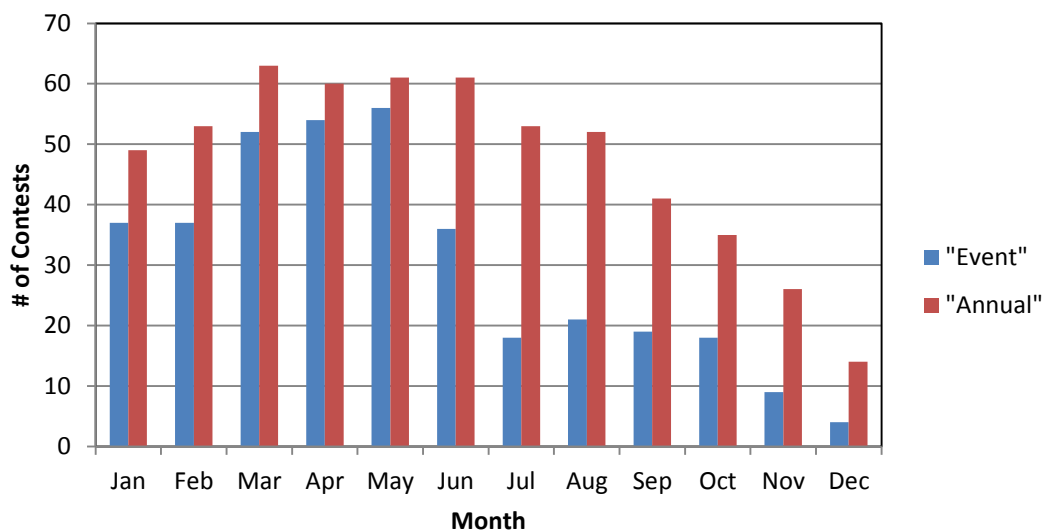


Figure 4. Number of Contests per month in 2015 by type

Total Catch

A total of 84,904 bass were reported caught in fishing contests in 2015. 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 3% decrease compared to total catch reported in 2014, and a 7% decrease in the 5-year average (Figure 5).

By contest type, organizers of “Event” type contests reported a total catch of 55,358 black bass (Table 4). This represents a 3% decrease in total catch from that reported in 2014. For “Annual” type contests, organizers reported a total catch of 29,546 black bass (Table 4). This also represents a 3% decrease in total catch from that reported in 2014.

Table 4. Total number of black bass caught per year by contest type.

Year	Total Catch in Event Contests	Total Catch in Annual Contests	Year	Total Catch in Event Contests	Total Catch in Annual Contests
1985	6011	NA	2001	56458	24624
1986	15663	NA	2002	52951	22683
1987	32807	NA	2003	68895	24363
1988	36437	NA	2004	81715	29685
1989	32109	NA	2005	71441	24815
1990	44602	12170	2006	78475	34148
1991	34099	12600	2007	119436	44403
1992	39166	21510	2008	100675	39537
1993	47321	25715	2009	90668	35801
1994	53645	35125	2010	81248	38349
1995	50095	28882	2011	76421	32458
1996	55571	28138	2012	76765	37385
1997	60874	31013	2013	63997	33198
1998	64930	26291	2014	57286	30592
1999	33755	5452	2015	55358	29546
2000	61868	22224			

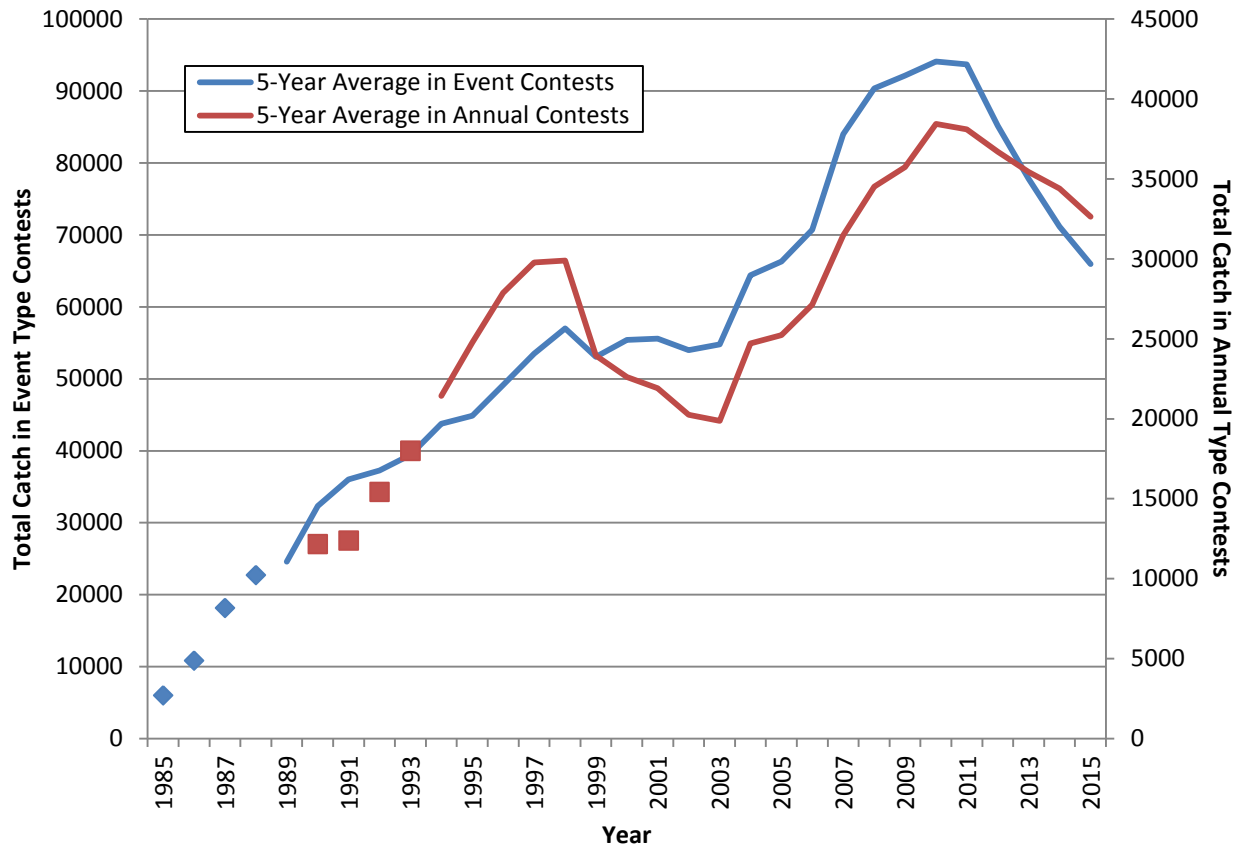


Figure 5. Five-year average of total catch of black bass in fishing contests from 1985-2015. Dotted lines indicate that less than 5 years were used to calculate the value, due to the date at which initial data collection began.

Catch Rate

The overall catch rate for all bass contests held in 2015 was 0.32 fish/hour. The catch rates for “Event” and “Annual” type contests were 0.29 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 6).

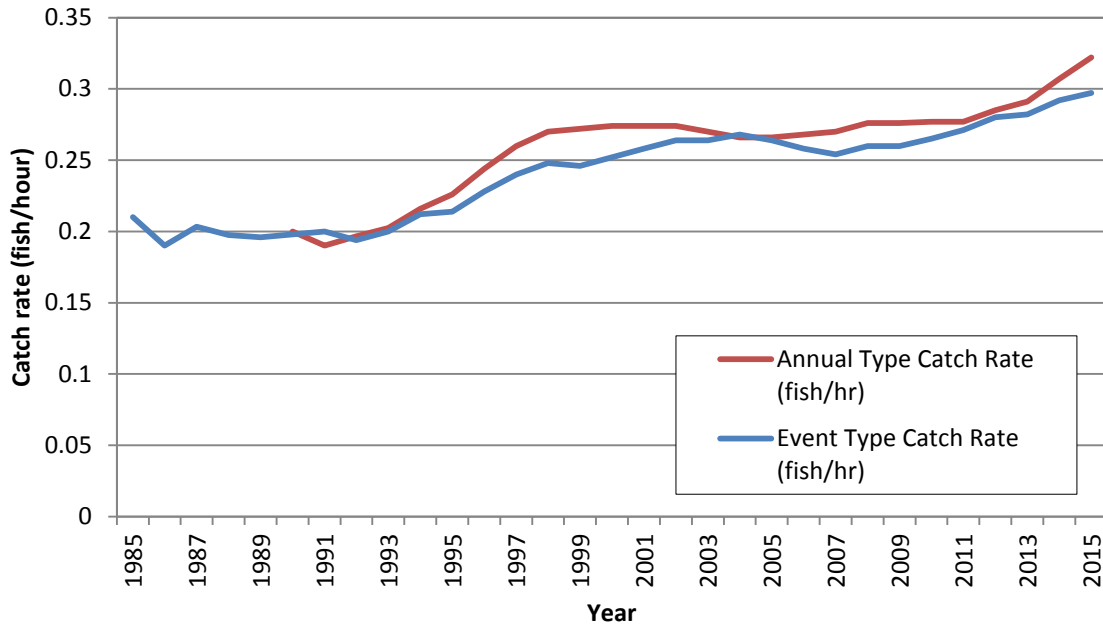


Figure 6. Catch rate at black bass fishing contests from 1985-2015 by contest type.

Fish Size

The average weight of all black bass weighed in during 2015 was 2.36 pounds, which was nearly identical to the average size reported in 2014. This is the combined average weight of largemouth, smallmouth, and spotted bass. In “Event” type contests, the average bass weighed 2.57 pounds. In “Annual” type contests, the average weight of bass was 2.15 pounds (Figure 7).

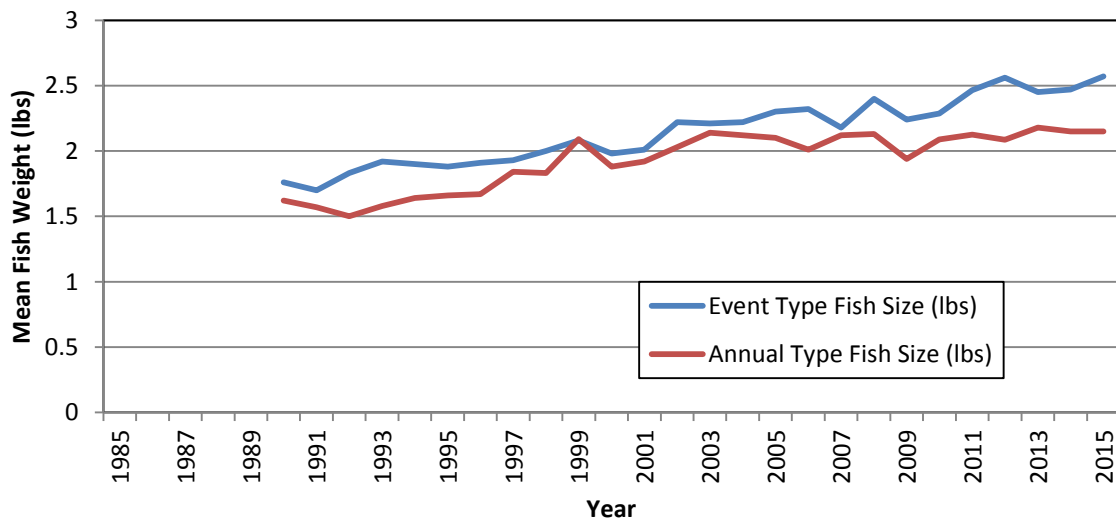


Figure 7. Average fish weight at black bass contests from 1985-2015 by type.

At each tournament, a record is kept noting the largest bass weighed in at that contest. In 2015, the largest bass weighed in during a bass tournament was a largemouth bass that weighed 15.73 pounds, taken on 02/07/15 from New Melones Lake. Another tournament-caught bass in 2015 is the current State Record Spotted Bass. This fish was caught from New Bullards Bar Reservoir on 02/21/15 and weighed 11.2 pounds (Figure 8).



Figure 8. Louis Ferrante with his 11.2lb State Record Spotted Bass caught on 2/21/2016 during a tournament at New Bullards Bar Reservoir.

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 5).

Table 5. Largest fish caught during a tournament 1986-2015.

Year	Location	Date Caught	Species	Weight (lbs)
1986	Clear Lake	6/15/1986	Largemouth	12.8
1987	Lake Castaic	6/6/1987	Largemouth	17.9
1988	Lake Cachuma	3/18/1988	Largemouth	16.4
1989	Lake Castaic	6/10/1989	Largemouth	13
1990	Lake Casitas	3/10/1990	Largemouth	15.8
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	16.5
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	16.4
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	3/9/2013	Largemouth	15.32
2014	Lake Success	3/16/2014	Largemouth	14.12
2015	New Melones Reservoir	2/7/2016	Largemouth	15.73

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 2015, organizers reported an initial mortality of 1.6%. Initial mortality has remained less than 2.0% since 1988, when CDFW implemented the “Special Black Bass Tournament Conditions” to protect fish health.

Additional Resources and FAQ

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

<https://www.wildlife.ca.gov/Fishing/Inland/Contests>

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 submit results through the online reporting service (<https://www.wildlife.ca.gov/Fishing/Inland/Black-Bass/Contest-Report>) or 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 1

Summary of 2015 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
Almanor, Lake	16	945	2315.95	27	306	117.5	2861.0	0.35	2.49
Amador, Lake	12	395	850.14	7	178	65.0	1303.0	0.30	2.28
Bass Lake (Madera County)	6	330	750.01	0	135	47.0	1024.0	0.37	1.99
Berryessa, Lake	54	4882	11870.72	53	1917	430.5	16783.5	0.33	2.37
Big Bear Lake	7	79	164.36	0	36	46.0	276.0	0.30	2.08
Black Butte Lake	5	93	184.78	0	61	26.0	380.0	0.24	1.81
Blue Lake, Upper	2	21	38.64	0	21	17.0	178.0	0.12	1.85
Britton, Lake	5	157	288.76	3	38	43.0	415.0	0.33	1.94
Camanche Reservoir	22	1176	2557.43	11	376	176.5	3177.5	0.35	2.24
Camp Far West	4	188	259.26	0	91	32.0	728.0	0.27	1.41
Casitas Lake	33	1933	5381.83	6	868	236.5	6511.0	0.35	2.59
Castaic Lagoon	3	94	216.27	0	62	18.0	372.0	0.25	2.22
Castaic Lake	25	1096	2258.91	13	706	175.0	5324.0	0.21	1.99
Clear Lake (Lake County)	148	13639	46212.90	138	3814	1067.8	46994.3	0.26	3.50
Sacramento-SJ Delta	223	23879	61884.07	226	8408	1695.5	75546.5	0.38	2.50
Diamond Valley Lake	10	665	1868.24	8	287	78.5	2278.0	0.28	2.80
Don Pedro Reservoir	47	3564	6747.94	28	1425	341.5	12278.5	0.33	1.90
East Park Reservoir	1	33	63.22	0	66	8.0	528.0	0.06	1.92
El Capitan Lake	36	2615	6053.41	27	1274	233.0	10082.5	0.31	2.16
Folsom Lake	3	413	500.73	0	122	24.0	976.0	0.49	1.25
H. V. Eastman Lake	6	242	438.60	9	98	54.0	916.0	0.27	1.87
Havasu, Lake	3	164	406.00	2	25	31.0	391.0	0.40	2.49
Hensley Lake	1	60	137.00	0	24	8.0	192.0	0.31	2.28
Highland Springs Reservoir	1	27	88.74	0	17	6.0	102.0	0.26	3.29
Hodges, Lake	12	415	1075.44	4	304	90.0	2325.0	0.18	2.55
Isabella Lake	14	310	688.39	0	215	98.0	1608.0	0.19	2.42
Kaweah, Lake	22	1292	2236.27	14	652	139.0	4633.0	0.30	1.70
Lopez Lake	21	1498	3449.67	7	701	165.0	5987.0	0.27	2.32
McClure, Lake	2	63	95.40	0	32	12.0	384.0	0.16	1.51
Mendocino, Lake	1	35	80.75	0	15	8.5	127.5	0.27	2.31
Merle Collins Reservoir	1	22	35.23	0	10	8.0	80.0	0.28	1.60
Millerton Lake	4	362	659.50	1	155	32.0	1240.0	0.30	1.78
Murray Reservoir	6	190	333.22	2	74	50.5	621.5	0.28	1.77

Appendix 1: 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
Nacimiento, Lake	31	2780	3723.51	20	907	243.0	7818.0	0.41	1.35
New Bullards Bar Reservoir	12	347	825.42	1	258	96.7	2336.7	0.19	2.55
New Hogan Lake	3	58	38.34	0	16	22.0	156.0	0.36	2.13
New Melones Lake	19	2292	4622.91	10	700	145.0	6310.0	0.39	2.23
Oroville, Lake	24	3069	4988.41	21	1098	170.0	9904.0	0.36	1.73
Otay Lake, Lower	22	1779	3602.82	31	680	165.0	5671.0	0.37	1.98
Pardee Reservoir	10	340	623.79	3	146	72.0	1168.0	0.31	1.87
Parker Dam Reservoir	1	25	57.62	1	12	15.0	180.0	0.14	2.30
Perris Reservoir	27	755	2456.10	11	527	153.0	4074.0	0.19	3.15
Pine Flat Lake	31	1670	2732.32	21	768	222.5	5854.0	0.34	1.90
Puddingstone Reservoir	1	8	18.14	0	20	8.0	160.0	0.05	2.27
Pyramid Lake	30	1570	3476.68	14	840	201.0	6498.0	0.26	2.26
Rollins Reservoir	1	62	92.35	0	26	8.0	208.0	0.30	1.49
Ruth Lake (Trinity County)	3	288	456.06	2	119	26.0	1052.0	0.32	2.67
Sacramento River	5	1400	4007.00	24	103	40.0	2850.0	0.48	2.79
Salt Springs	2	131	297.13	8	44	15.0	339.0	0.41	2.26
San Antonio Lake	1	60	64.53	1	12	8.0	96.0	0.63	1.08
Santa Margarita Lake	1	50	61.58	1	13	8.0	104.0	0.48	1.23
Shasta Lake	56	3802	6290.10	18	1132	403.0	11535.0	0.40	1.65
Silverwood Lake	10	293	725.57	0	179	44.0	1250.0	0.24	2.45
Siskiyou Reservoir	1	10	15.13	0	6	6.0	36.0	0.28	1.51
Skinner Reservoir	6	90	302.96	0	80	39.0	619.0	0.11	3.02
Sonoma, Lake	8	680	1614.73	1	278	63.0	2181.0	0.33	2.30
Success, Lake	11	601	1309.83	19	322	64.0	2290.0	0.27	2.18
Thermalito Afterbay	2	116	182.31	0	43	14.0	298.0	0.38	1.60
Trinity Lake	21	788	1903.56	47	225	149.0	2209.0	0.40	2.65
Tulloch Reservoir	8	199	406.72	1	109	60.0	700.0	0.31	2.08
Whiskeytown Lake	4	99	183.30	0	38	22.0	268.0	0.33	1.87
Grand Total	1117	84239	205270.70	841	31214	8062.4	282788.5	0.32	2.35

Appendix 1: All Contest Types

Appendix 2

Summary of 2015 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
Almanor, Lake	2	314	924.10	7	142	17.5	1238.0	0.25	2.94
Amador, Lake	2	135	283.86	4	27	11.0	297.0	0.45	2.10
Bass Lake (Madera County)	1	128	256.51	0	36	8.0	288.0	0.44	2.00
Berryessa, Lake	11	2395	6170.32	9	845	88.0	8056.0	0.31	2.68
Big Bear Lake	7	79	164.36	0	36	46.0	276.0	0.30	2.08
Black Butte Lake	1	9	16.30	0	18	4.0	72.0	0.13	1.81
Britton, Lake	1	21	39.73	0	11	9.0	99.0	0.21	1.89
Camanche Reservoir	5	486	1118.57	9	131	40.0	1048.0	0.39	2.65
Casitas Lake	16	1276	3992.53	5	678	124.0	5248.0	0.25	3.12
Castaic Lake	17	956	1990.43	8	602	122.0	4552.0	0.21	2.06
Clear Lake (Lake County)	38	10163	34689.22	106	2503	298.0	33328.0	0.30	3.58
Sacramento-SJ Delta	87	15883	44454.68	125	5654	650.0	53385.0	0.33	2.89
Diamond Valley Lake	5	445	1346.87	8	200	40.0	1600.0	0.28	3.03
Don Pedro Reservoir	18	2284	4466.77	15	1008	140.5	8500.5	0.28	2.13
East Park Reservoir	1	33	63.22	0	66	8.0	528.0	0.06	1.92
El Capitan Lake	22	2103	5075.03	24	1094	120.0	8660.0	0.27	2.40
Folsom Lake	1	113	190.09	0	62	8.0	496.0	0.23	1.68
H. V. Eastman Lake	6	242	438.60	9	98	54.0	916.0	0.27	1.87
Hensley Lake	1	60	137.00	0	24	8.0	192.0	0.31	2.28
Hodges, Lake	3	291	765.68	4	190	24.0	1520.0	0.22	2.63
Isabella Lake	14	310	688.39	0	215	98.0	1608.0	0.19	2.42
Kaweah, Lake	19	1112	1857.85	11	576	120.0	3891.0	0.30	1.65
Lopez Lake	9	790	1703.48	2	381	69.0	3180.0	0.26	2.20
Millerton Lake	1	66	96.00	1	26	8.0	208.0	0.32	1.45
Nacimiento, Lake	11	1424	1973.96	6	487	91.0	4336.0	0.38	1.40
New Bullards Bar Reservoir	1	62	99.07	0	26	8.0	208.0	0.30	1.60
New Melones Lake	14	1899	3972.74	6	568	104.0	5232.0	0.36	2.30
Oroville, Lake	10	2494	3967.76	18	878	78.0	8126.0	0.31	1.61
Otay Lake, Lower	10	1231	2622.02	18	511	68.0	4304.0	0.30	2.14
Pardee Reservoir	1	99	191.39	3	40	8.0	320.0	0.31	1.93
Perris Reservoir	18	592	2059.90	11	431	96.0	3122.0	0.19	3.45
Pine Flat Lake	14	960	1766.17	15	505	106.5	3826.0	0.36	2.47
Puddingstone Reservoir	1	8	18.14	0	20	8.0	160.0	0.05	2.27

Appendix 2: "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
Pyramid Lake	22	1423	3211.20	13	744	148.0	5822.0	0.26	2.26
Ruth Lake (Trinity County)	3	288	456.06	2	119	26.0	1052.0	0.32	2.67
Sacramento River	5	1400	4007.00	24	103	40.0	2850.0	0.48	2.79
Shasta Lake	13	1712	3057.38	11	538	96.0	6172.0	0.30	1.87
Silverwood Lake	6	219	542.35	0	130	32.0	1040.0	0.21	2.47
Skinner Reservoir	1	63	220.95	0	32	8.0	256.0	0.25	3.51
Sonoma, Lake	3	432	1070.05	0	162	24.0	1296.0	0.40	2.47
Success, Lake	11	601	1309.83	19	322	64.0	2290.0	0.27	2.18
Trinity Lake	2	92	274.15	1	44	14.0	288.0	0.30	3.14
Grand Total	434	54693	141749.71	494	20283	3134.5	189886.5	0.29	2.51

Appendix 3

Summary of 2015 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
Almanor, Lake	14	631	1391.85	20	164	100.0	1623.0	0.37	2.40
Amador, Lake	10	260	566.28	3	151	54.0	1006.0	0.28	2.30
Bass Lake (Madera County)	5	202	493.50	0	99	39.0	736.0	0.35	1.99
Berryessa, Lake	43	2487	5700.40	44	1072	342.5	8727.5	0.33	2.29
Black Butte Lake	4	84	168.48	0	43	22.0	308.0	0.28	1.81
Blue Lake, Upper	2	21	38.64	0	21	17.0	178.0	0.12	1.85
Britton, Lake	4	136	249.03	3	27	34.0	316.0	0.37	1.96
Camanche Reservoir	17	690	1438.86	2	245	136.5	2129.5	0.33	2.10
Camp Far West	4	188	259.26	0	91	32.0	728.0	0.27	1.41
Casitas Lake	17	657	1389.30	1	190	112.5	1263.0	0.46	2.07
Castaic Lagoon	3	94	216.27	0	62	18.0	372.0	0.25	2.22
Castaic Lake	8	140	268.48	5	104	53.0	772.0	0.20	1.85
Clear Lake (Lake County)	110	3476	11523.68	32	1311	769.8	13666.3	0.25	3.48
Sacramento-SJ Delta	146	7996	17429.39	101	2754	1045.5	22161.5	0.39	2.33
Diamond Valley Lake	5	220	521.37	0	87	38.5	678.0	0.28	2.50
Don Pedro Reservoir	29	1280	2281.17	13	417	201.0	3778.0	0.37	1.75
El Capitan Lake	14	512	978.38	3	180	113.0	1422.5	0.36	1.92
Folsom Lake	2	300	310.64	0	60	16.0	480.0	0.63	1.04
Havasu, Lake	3	164	406.00	2	25	31.0	391.0	0.40	2.49
Highland Springs Reservoir	1	27	88.74	0	17	6.0	102.0	0.26	3.29
Hodges, Lake	9	124	309.76	0	114	66.0	805.0	0.17	2.53
Kaweah, Lake	3	180	378.42	3	76	19.0	742.0	0.25	2.07
Lopez Lake	12	708	1746.19	5	320	96.0	2807.0	0.28	2.40
McClure, Lake	2	63	95.40	0	32	12.0	384.0	0.16	1.51
Mendocino, Lake	1	35	80.75	0	15	8.5	127.5	0.27	2.31
Merle Collins Reservoir	1	22	35.23	0	10	8.0	80.0	0.28	1.60
Millerton Lake	3	296	563.50	0	129	24.0	1032.0	0.29	1.89
Murray Reservoir	6	190	333.22	2	74	50.5	621.5	0.28	1.77
Nacimiento, Lake	20	1356	1749.55	14	420	152.0	3482.0	0.43	1.31
New Bullards Bar Reservoir	11	285	726.35	1	232	88.7	2128.7	0.18	2.64
New Hogan Lake	3	58	38.34	0	16	22.0	156.0	0.36	2.13
New Melones Lake	5	393	650.17	4	132	41.0	1078.0	0.46	2.08

Appendix 3: "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
Oroville, Lake	14	575	1020.65	3	220	92.0	1778.0	0.40	1.83
Otay Lake, Lower	12	548	980.80	13	169	97.0	1367.0	0.41	1.86
Pardee Reservoir	9	241	432.40	0	106	64.0	848.0	0.31	1.86
Parker Dam Reservoir	1	25	57.62	1	12	15.0	180.0	0.14	2.30
Perris Reservoir	9	163	396.20	0	96	57.0	952.0	0.18	2.51
Pine Flat Lake	17	710	966.15	6	263	116.0	2028.0	0.33	1.36
Pyramid Lake	8	147	265.48	1	96	53.0	676.0	0.27	2.28
Rollins Reservoir	1	62	92.35	0	26	8.0	208.0	0.30	1.49
Salt Springs	2	131	297.13	8	44	15.0	339.0	0.41	2.26
San Antonio Lake	1	60	64.53	1	12	8.0	96.0	0.63	1.08
Santa Margarita Lake	1	50	61.58	1	13	8.0	104.0	0.48	1.23
Shasta Lake	43	2090	3232.72	7	594	307.0	5363.0	0.43	1.59
Silverwood Lake	4	74	183.22	0	49	12.0	210.0	0.30	2.42
Siskiyou Reservoir	1	10	15.13	0	6	6.0	36.0	0.28	1.51
Skinner Reservoir	5	27	82.01	0	48	31.0	363.0	0.08	2.90
Sonoma, Lake	5	248	544.68	1	116	39.0	885.0	0.28	2.20
Thermalito Afterbay	2	116	182.31	0	43	14.0	298.0	0.38	1.60
Trinity Lake	19	696	1629.41	46	181	135.0	1921.0	0.42	2.57
Tulloch Reservoir	8	199	406.72	1	109	60.0	700.0	0.31	2.08
Whiskeytown Lake	4	99	183.30	0	38	22.0	268.0	0.33	1.87
Grand Total	683	29546	63520.99	347	10931	4927.9	92902.0	0.34	2.25