

# **LONG-TERM MONITORING OF BASS LAKES AND RESERVOIRS IN CALIFORNIA: 2019 DATA REPORT**

PREPARED FOR THE

SURFACE WATER AMBIENT MONITORING PROGRAM

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# Executive Summary

This data report presents the methods and results for the third round of sampling in a long-term program to track status and trends in concentrations of contaminants in sport fish in the many California lakes and reservoirs (collectively referred to as “lakes” in this document) where black bass species (i.e., largemouth, smallmouth, or spotted bass) are present. This work is being performed as part of the California State Water Resources Control Board's Surface Water Ambient Monitoring Program (SWAMP). The program will sample 187 bass lakes throughout the state on a 10-year cycle. The sampling is being done in five rounds or “panels”, with approximately 38 lakes in each panel and the rounds occurring every other year. A data report will be prepared to document the results for each panel. An interpretive report on this program will be prepared in 2024, after a full round of sampling of all five panels is completed in 2023.

In this third round of sampling for the long-term bass lake monitoring effort in 2019, 1114 sport fish from 17 species were collected from 41 lakes throughout California, including lakes from Panel 3 and a few other lakes requested by Regional Water Quality Control Boards. Largemouth bass was the primary sport fish species sampled, with 663 fish collected from 36 lakes. The two other black bass species were collected in fewer locations: 69 spotted bass were collected from four lakes, and 32 smallmouth bass were collected from one lake. Common carp (90 fish from 12 locations) and redear sunfish (59 fish from seven locations) were the next most widely sampled species after black bass. Small prey fish were also sampled. A total of 1436 prey fish representing 15 species were collected from the 41 lakes. The most commonly sampled prey fish species were bluegill (454 fish from 33 lakes, with a range of total length from 35 to 100 mm) and young largemouth bass (408 fish from 29 lakes, with a range of total length from 23 to 135 mm).

Mercury concentrations in 663 adult largemouth bass ranged from 0.01 ppm in two fish from Wiest Lake (219 and 251 mm in length) to 10.9 ppm in a 571-mm (age 15 yr) fish from Guadalupe Reservoir. Mean concentrations in largemouth bass estimated for a length of 350 mm provide a good basis for comparing concentrations among lakes and for comparing concentrations within lakes over time. Three of the 36 lakes sampled for largemouth bass had a length-adjusted mean greater than 1.31 ppm (the California Office of Environmental Health Hazard Assessment [OEHHA] no consumption advisory tissue level [ATL] for women over 49 and men): Guadalupe Reservoir with a mean of 4.28 ppm; Almaden Reservoir with a mean of 2.71 ppm; and Little Rock Reservoir with a mean of 1.7 ppm. Eighteen of the largemouth bass lakes had length-adjusted means greater than 0.44 ppm (OEHHA's no consumption ATL for women 18-49 and children 1-17).

Including the 2019 dataset, SWAMP studies have generated length-adjusted black bass means for a total of 205 lakes. The 37 Panel 3 lakes with length-adjusted black bass means sampled in 2019 had considerably higher grand mean and median concentrations (0.64 and 0.46 ppm, respectively) than the overall dataset (0.40 and 0.30 ppm, respectively). The Panel 3 lakes also had a higher percentage of lakes with length-adjusted black bass means above 0.20 ppm (the statewide water quality objective for sport fish – Palumbo and Iverson [2017]): 77% versus 65% for the overall dataset. Three of the top four and six of the top nine length-adjusted means in the overall 205-lake dataset were observed in 2019. The lake with the lowest length-adjusted mercury concentration in this study – Wiest Lake at 0.03 ppm – had the fourth-lowest concentration for the overall dataset.

A higher proportion of the 28 bass lakes sampled in 2019 that had been sampled previously showed a statistically significant increase based on non-overlapping 95% confidence intervals of the means (8 of 28, or 29%) than had been observed in 2015 and 2016, but a similar proportion to 2017. Most lakes (18 of 28, or 64%) were not significantly different from the most recent previous round of sampling.

The mean length-adjusted mercury concentration in the 34 lakes from the original, randomly-selected Panel 3 list in 2019 was 0.48 ppm. This was similar to the mean observed for Panel 2 in 2017 (0.45 ppm), but considerably higher than the mean observed for Panel 1 in 2015 (0.30 ppm). The means for 2015 and 2019 were significantly different. The 2017 and 2019 sampling rounds were conducted after wet winters. As future rounds of bass lake monitoring are completed, these annual means for length-adjusted mercury concentrations will provide a robust index of the statewide trend of bass lake mercury and will allow for the influence of hydrology and other factors to be examined.

For prey fish, of the 144 composite samples analyzed, 72 (50%) had mercury concentrations greater than or equal to 0.05 ppm, the statewide water quality objective for mercury in prey fish. This was similar to the percent greater than or equal to 0.05 ppm in the 2017 sampling, and much higher than in the 2015 sampling (30%). Eighteen lakes out of the 40 sampled (45%) had a lakewide mean equal to or greater than 0.05 ppm. This was lower than the percentage of lakewide means equal to or greater than 0.05 ppm in 2017 (56%), and much higher than in the 2015 sampling (24%).

PCBs were analyzed in a subset (14) of the lakes; they were not detected in any of the samples analyzed. The PCB data generated by Delta Environmental Laboratories were of questionable reliability, not comparable to previous SWAMP bioaccumulation

datasets, and not recommended for use in Water Board impairment assessments or development of fish advisories. There were a number of quality assurance issues with these data, including low percent recoveries, missing matrix spikes, and high relative percent differences among duplicates. In addition, frequencies of detection for this dataset were much lower than prior datasets, indicating a lack of sensitivity of the methods.

Selenium was also measured in sport fish and prey fish, primarily so that future risk assessments can consider risks due to combined exposure to mercury and selenium. However, some sport fish samples had concentrations at low levels of concern relative to OEHHA advisory tissue levels (ATLs).



# Introduction

This document presents a data report for a long-term program to track status and trends in concentrations of contaminants in sport fish in the many California lakes and reservoirs (collectively referred to as “lakes” in this document) where bass species are present. This work is being performed as part of the California State Water Resources Control Board's Surface Water Ambient Monitoring Program (SWAMP). The mission of SWAMP is to provide resource managers, decision makers, and the public with timely, high-quality information to evaluate the condition of all waters throughout California.

SWAMP sport fish surveys to date have accomplished a great deal to document the status of bioaccumulation impacts on beneficial uses in California (Davis et al. 2010, 2012, 2013, 2018, 2019a,b, 2022). Mercury has been shown to be a particular concern across all water body types, and this has triggered the development of a statewide TMDL for mercury in reservoirs (Austin and Smitherman 2017).

In 2015 SWAMP took a significant step in initiating a long-term program to provide status and trend monitoring of bioaccumulation across the three major water body categories that support the fishing beneficial use: lakes and reservoirs, rivers and streams, and the coast. For water bodies where bioaccumulation has been determined to be a concern, a 10-year cycle for providing updated information on status was determined to be a practical minimum revisit frequency. The information generated from these updates will be useful to the State Water Resources Control Board (State Water Board) and the nine Regional Water Quality Control Boards (Regional Water Boards), collectively known as the California Water Boards (Water Boards) in impairment assessments and 303(d) List updates. The long-term monitoring began with a plan for repeated, systematic sampling of lakes with black bass (largemouth, smallmouth, and spotted bass) starting in 2015.

Lakes with black bass account for a large number and proportion of the water bodies that are not being monitored by other programs and need to be sampled at a 10-year frequency. In consultation with Regional Water Boards staff, a list of 187 priority bass lakes to be monitored was established. The plan calls for sampling these lakes throughout the state on a 10-year cycle. The sampling is being done in five rounds or “panels”, with about 38 lakes in each panel and the rounds occurring every other year (Figure 1).

This plan will address the critical need of managers and the public for updated, high-quality information on the status of contaminant bioaccumulation in these important water bodies. The plan is designed in a way that will also allow tracking of long-term statewide and regional trends in mercury contamination of lake food webs as they

respond to factors such as increasing global atmospheric emissions and climate change. Understanding these background trends is critically important in evaluating the effectiveness of statewide and regional mercury control plans (TMDLs).

A detailed description of the goals, design, and methods for sample collection and chemical analysis is provided in the document “Sampling and Analysis Plan for Long-term Monitoring of Bass Lakes and Reservoirs in California” (Bioaccumulation Oversight Group 2015). This data report presents the methods and results for the third round of long-term bass lake monitoring in 2019.

A data report will be prepared to document the results for each panel. A draft interpretive report on this program will be prepared in 2024, after the full round of sampling of Panels 1 through 5 is completed in 2023.

## Methods

A detailed description of the methods for sample collection and chemical analysis is provided in the Sampling and Analysis Plan (Bioaccumulation Oversight Group 2015). The methods are briefly summarized here, with a focus on information specific to the 2019 effort.

### Sample Collection

The original sampling plan called for collection of fish from 38 Panel 3 lakes in 2019. Thirty-six of these Panel 3 lakes were successfully sampled in 2019 (Figure 2). Details of sample collection are provided in the Cruise Report (Appendix 1). Lake Lindero (Region 4) was not sampled because it had been drained the previous year. Marsh Creek Reservoir was not sampled because fishing access is not allowed. Three lakes that were in Panels 1 or 2 but not sampled due to low water were considered again in 2019 (Elizabeth Lake, Crystal Lake, and Mountain Meadows Reservoir) but these were still not sampleable due to low water. Almaden Reservoir, Guadalupe Reservoir, Harbor Lake, Black Butte Reservoir and Lake Nacimiento were added based on requests from the Regions. Overall, 41 lakes were successfully sampled in 2019.

A summary of the catch at each of the lakes is provided in Table 2 of the Cruise Report. Black bass were successfully collected at all the lakes that were sampleable, except Sepulveda Lake (where only carp and tilapia were collected) and Slab Creek Reservoir (where Sacramento pikeminnow and Sacramento sucker were collected). At each location, bass were sampled across a wide range of lengths to provide a basis for regressing mercury versus length and estimating a 350-mm length-adjusted concentration. In general, 14 bass were collected at each location sampled, with larger

lakes having multiple locations sampled. Lake Oroville, for example, is in the largest lake category and had four locations sampled. Largemouth bass was the most common black bass species collected, with adult spotted bass collected at four lakes (Lexington Reservoir, Bass Lake, Lake Oroville, and Siskiyou Lake) and adult smallmouth bass collected at just one lake (Lake Nacimiento).

Data gaps for PCBs and DDTs were identified by OEHHA and the Regional Water Boards for the Panel 2 lakes. Organics were analyzed for each of the lakes where this was targeted, but bottom-feeding indicator species were not obtained in all the lakes where they were targeted, so in some cases non-bottom-feeders (e.g., largemouth bass, bluegill) were analyzed for PCBs.

Selenium analysis was included for all the sport fish samples that were analyzed for mercury to allow for potential future assessment of the combined risk due to exposure from these two contaminants. However, to reduce costs, selenium was analyzed only in composites, not individual fish.

For prey fish, the sampling design called for collection of ten individuals from each of the three most common species. Young black bass and young bluegill were the prey species most frequently collected. Mercury and selenium were analyzed in the prey fish composite samples.

## **Sample Preparation and Analytical Methods**

Samples were processed and distributed to the analytical laboratories as described in the Sampling and Analysis Plan (SAP) (Bioaccumulation Oversight Group 2015) by personnel at Moss Landing Marine Laboratories in Moss Landing, CA.

Mercury and selenium were analyzed by Moss Landing Marine Laboratories. Mercury was analyzed following the method presented in the SAP. Selenium analysis was not included in the first round of bass lake monitoring in 2015, so the method summarized in the Monitoring Plan for 2016 was used (Bioaccumulation Oversight Group 2016).

PCBs and legacy pesticides were analyzed by Delta Environmental Laboratories (Benicia, CA). Organochlorine pesticides were analyzed according to USEPA Method 8081A, "Organochlorine Pesticides by Gas Chromatography." PCBs were analyzed according to USEPA Method 8082, "Polychlorinated Biphenyls (PCBs) by Gas Chromatography." The data generated by Delta are of questionable reliability and not comparable to previous SWAMP bioaccumulation datasets. There were a number of quality assurance issues with these data, including low percent recoveries, missing matrix spikes, and high relative percent differences among duplicates. In addition,

frequencies of detection for this dataset were much lower than prior datasets, indicating a lack of sensitivity of the methods.

Analytes included in the monitoring, detection limits, as well as numbers of observations and frequencies of detection and reporting, are provided in Table 1. All concentrations are reported on a wet weight basis. Moisture data are available, along with the entire dataset, via the [California Environmental Data Exchange Network](#) (CEDEN).

Following the design described in the SAP, PCBs and legacy pesticides were analyzed only at lakes that either had relatively high concentrations or that were specifically requested by the Regional Water Boards and OEHHA.

## **Data Management**

The complete dataset for this study includes quality assurance data (quality control samples and field duplicates) and additional ancillary information (specific location information, fish sex, weights, and other information). The complete dataset is available via [CEDEN](#). The data are also available through the California Water Quality Monitoring Council's "[My Water Quality](#)" portal. The My Water Quality site is designed to present data on contaminants in fish and shellfish from SWAMP and other programs to the public in a nontechnical manner and allows mapping and viewing of summary data from each fishing location.

## **Statistical Methods**

The measurement of mercury in individual black bass samples provided a foundation for statistical procedures to adjust for the relationship with fish length. A length of 350 mm has been used for length-adjustment of black bass in past studies (e.g., Davis et al. 2008, Melwani et al. 2009, Davis et al. 2010), and represents the middle of the distribution of legal-sized (>305 mm, or 12 inches) fish that are commonly caught.

Estimates of length-adjusted means presented for the results in this report are based on simple linear regressions of the data for each location. This approach provides an independently-derived estimate of the location mean that can be compared to any other location mean of interest: other location means from the same sampling period; means from the same location in past sampling; or any other location mean of interest. Length-adjusted means prior to 2015 were calculated slightly differently, with the results for multiple lakes pooled for the analysis of covariance (Davis et al. 2018).

# Results

## Summary of Fish Collected

In this third round of sampling for the long-term bass lake monitoring effort, 1114 sport fish representing 17 species were collected from 41 lakes throughout California (Figure 2, Table 2a). A concise tabular summary of the data for each lake is provided in Appendix 2a. Data for mercury analyses on individual fish are provided in Appendix 3. Largemouth bass was the primary sport fish species sampled, with 663 fish collected from 36 lakes. The two other black bass species were collected at fewer lakes: 69 spotted bass were collected from four lakes, and 32 smallmouth bass were collected from one lake. Common carp (90 fish from 12 locations) and redear sunfish (59 fish from seven lakes) were the next most widely sampled species after largemouth bass.

Small prey fish were also sampled. A total of 1436 prey fish representing 15 species were collected from the 41 lakes (Figure 2, Table 2b). A concise tabulated summary of the data for each lake is provided in Appendix 2b. The most commonly sampled prey fish species were bluegill (454 fish from 33 locations) and young largemouth bass (408 fish from 29 locations).

## Mercury

### *Sport Fish*

Monitoring of mercury in adult black bass was the primary focus of this effort (Figures 3-7, 9, 11-16).

Mercury concentrations in 663 largemouth bass ranged from 0.01 ppm in two fish from Wiest Lake (219 and 251 mm in length) to 10.9 ppm in a 571-mm (age 15 yr) fish from Guadalupe Reservoir (Figures 3-5). Mercury concentrations in 69 spotted bass ranged from 0.09 ppm in a 215-mm fish from Bass Lake to 1.27 ppm in a 390-mm fish from Lexington Reservoir (Figure 7). Mercury concentrations in 32 smallmouth bass – all from Lake Nacimiento – ranged from 0.29 ppm in fish with lengths of 195 mm and 231 mm to 1.37 ppm in a fish with a length of 424 mm (Figure 6).

Regressions of mercury versus length (using untransformed data) for each location sampled were used to generate estimates of mean concentrations for 350-mm black bass. Three of the 36 lakes sampled for largemouth bass had a length-adjusted mean greater than 1.31 ppm (OEHHA's no consumption advisory tissue level [ATL] for women over 49 and men) (Figure 11): Guadalupe Reservoir with a mean of 4.28 ppm; Almaden

Reservoir with a mean of 2.71 ppm; and Little Rock Reservoir with a mean of 1.7 ppm. Eighteen of the largemouth bass lakes had length-adjusted means greater than 0.44 ppm (OEHHA's no consumption ATL for women 18-49 and children 1-17) (Figure 12).

Wiest Lake had the lowest length-adjusted mercury concentration (0.03 ppm in largemouth bass) among the lakes sampled in 2019. Harbor Lake (Lake Machado) had the next-lowest length-adjusted concentration at 0.09 ppm. All the other lakes had a length-adjusted concentration of 0.10 ppm or higher.

The length-adjusted means provide a good basis for comparing concentrations among lakes and for comparing concentrations within lakes over time. Up through the 2019 dataset, SWAMP studies – including the 2007-2008 lakes survey (Davis et al. 2010), the wildlife study (Ackerman et al. 2015), the survey of lakes with low concentrations of contaminants in sport fish (Davis et al. 2018), the first and second rounds of bass lake sampling (Davis et al. 2019a,b), and lake sampling in 2016 (Davis et al. 2022) - generated length-adjusted means for a total of 205 lakes (Figure 13).

The 39 lakes with length-adjusted black bass means sampled in 2019 had considerably higher grand mean and median concentrations (0.64 and 0.46 ppm, respectively) than the overall dataset (0.40 and 0.30 ppm, respectively). The 2019 lakes also had a higher percentage of lakes with length-adjusted black bass means above 0.20 ppm (the statewide water quality objective for sport fish – Palumbo and Iverson [2017]): 77% versus 65% for the overall dataset.

The length-adjusted means for 2019 were skewed toward the upper end of the distribution for the dataset as a whole (Figure 13). Three of the top four and six of the top nine length-adjusted means in the overall 205-lake dataset were observed in 2019.

The lake with the lowest length-adjusted mercury concentration in this study – Wiest Lake at 0.03 ppm – had the fourth-lowest concentration for the overall dataset.

A higher proportion of the 28 bass lakes sampled in 2019 that had been sampled previously showed a statistically significant increase based on non-overlapping 95% confidence intervals of the means (8 of 28, or 29%) than had been observed in 2015 (Davis et al. 2019a) and 2016 (Davis et al. 2022), but similar to 2017 (2019b) (Figures 14 and 15). The largest number of lakes (18 of 28, or 64%) were not significantly different from the most recent previous round of sampling. Two of the 28 lakes had a significantly lower concentration than the most recent previous round of sampling. For the overall dataset from 2015-2019, most lakes (54 of 79, or 54%) showed no change from the most recent previous round, and equal numbers exhibited decreases (23 of 79, or 23%) and increases. Seventeen of the 18 lakes with increases were sampled in 2017

and 2019, which seemed to have unusually high concentrations relative to the other years.

The Panel 3 lakes sampled in 2019 were randomly selected from an overall list of 187 lakes with black bass that were identified as priority water bodies for long-term monitoring. The 187 lakes were divided into five randomly selected groups, or panels. Because each panel was randomly selected from the overall list, the mean for each panel provides an unbiased estimate of the mean for the whole list of 187 priority bass lakes. The mean length-adjusted mercury concentration in 34 Panel 3 lakes in 2019 was 0.48 ppm (Figure 16). This was considerably higher than the mean observed for Panel 1 in 2015 (0.30 ppm), and similar to the mean observed for Panel 2 in 2017 (0.45 ppm). A Kruskal-Wallis test comparing the annual means with a post-hoc multiple comparison using Dunn's test indicated that the means for 2015 and 2019 were significantly different with an overall alpha of 0.05. The 2017 sampling was conducted after a wet season that ended a five-year drought. The 2019 sampling was also conducted after a wet winter in water year 2019 after a dry water year in 2018. As future rounds of bass lake monitoring are completed, these annual means for length-adjusted mercury concentrations will provide a robust index of the statewide trend of bass lake mercury and will allow for the influence of hydrology and other factors to be examined.

### ***Prey Fish***

The minimum mercury concentration in composite samples of prey fish was <0.01 ppm, occurring in two samples: a tilapia sample from Sepulveda Lake in Region 4 and a bluegill sample from Wiest Lake in Region 7. The maximum concentration was 1.86 ppm in a largemouth bass sample from Guadalupe Reservoir (Region 2). Of the 144 composite samples analyzed, 72 (50%) had concentrations greater than or equal to 0.05 ppm, the statewide water quality objective for mercury in prey fish. This was higher than the percentage greater than 0.05 ppm in the 2015 sampling (30%) (Davis et al. 2019a), but lower than the percentage in 2017 (59%) (Davis et al. 2019b).

Lakewide mean concentrations (across species) ranged from <0.01 ppm in Wiest Lake to a maximum of 1.58 ppm in Guadalupe Reservoir (Figure 17). Eighteen lakes out of the 40 sampled (45%) had a lakewide mean equal to or greater than 0.05 ppm. This was about double the percentage of lakewide means equal to or greater than 0.05 ppm in 2015 (24%) (Davis et al. 2019a), but lower than the percentage in 2017 (56%) (Davis et al. 2019b).

## **Organic Contaminants**

PCBs were analyzed in 23 composite samples from 14 lakes. Seven different species were analyzed. The reported result was not detected (ND) for all the samples.

Legacy pesticides were analyzed in 12 samples, with all ND for dieldrin and sum of chlordanes, and two detections for sum of DDTs: 29 ppb in a common carp sample from Puddingstone Reservoir and 8 ppb in a common carp sample from Legg Lake.

These organics data generated by Delta Environmental Laboratories are of questionable reliability, not comparable to previous SWAMP bioaccumulation datasets, and not recommended for use in Water Board impairment assessments or development of fish advisories. There were a number of quality assurance issues with these data, including low percent recoveries, missing matrix spikes, and high relative percent differences among duplicates. In addition, frequencies of detection for this dataset were much lower than prior datasets, indicating a lack of sensitivity of the methods.

## **Selenium**

Selenium was measured primarily so that future risk assessments can consider risks due to combined exposure to mercury and selenium. However, some samples had concentrations at low levels of concern relative to OEHHA advisory tissue levels (ATLs).

Selenium concentrations were measured in 109 composite samples of sport fish. Concentrations ranged from a minimum of 0.12 ppm to a maximum of 4.21 ppm, with a median of 0.27 ppm. The lowest OEHHA ATL for selenium is 1.0 ppm, with recommended consumption of six or fewer servings per week associated with concentrations above this level. Twelve of the 109 samples (11%) had concentrations above 1.0 ppm. The two highest concentrations were observed in samples from Loveland Reservoir (4.21 ppm) and Lake Casitas (4.19 ppm).

Selenium concentrations were measured in 144 composite samples of prey fish. Concentrations ranged from a minimum of 0.12 ppm to a maximum of 5.42 ppm, with a median of 0.31 ppm. The highest concentration was observed in Lake Casitas: a largemouth bass composite at 5.42 ppm.



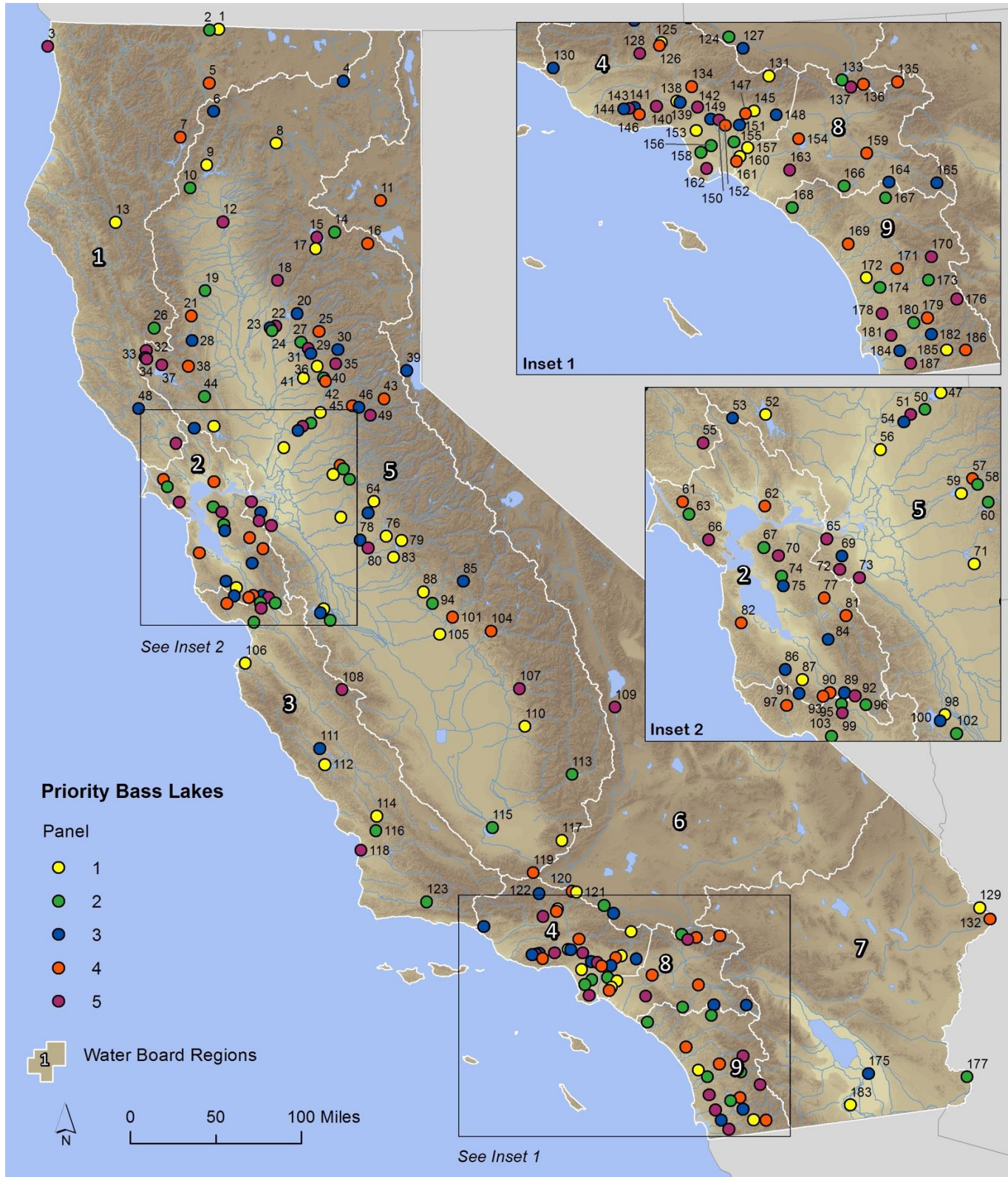
# References

- Ackerman, J.T., Hartman, C.A., Eagles-Smith, C.A., Herzog, M.P., Davis, J., Ichikawa, G., and Bonnema, A. 2015. Estimating exposure of piscivorous birds and sport fish to mercury in California lakes using prey fish monitoring—A predictive tool for managers. U.S. Geological Survey Open-File Report 2015-1106, 48 p., <http://dx.doi.org/10.3133/ofr20151106>.
- Austin, C.M. and L.L. Smitherman. 2017. Draft Staff Report for Scientific Peer Review for the Amendment to the Water Quality Control Plan for Inland Surface Waters, Enclosed Bays, and Estuaries of California, Mercury Reservoir Provisions – Mercury TMDL and Implementation Program for Reservoirs. California State Water Resources Control Board, Sacramento, CA.
- Bioaccumulation Oversight Group (BOG). 2015. Sampling and Analysis Plan for Long-term Monitoring of Bass Lakes and Reservoirs in California. California State Water Resources Control Board, Sacramento, CA. [https://www.waterboards.ca.gov/water\\_issues/programs/swamp/docs/lakes\\_study/bass\\_lakes\\_sampling\\_plan.pdf](https://www.waterboards.ca.gov/water_issues/programs/swamp/docs/lakes_study/bass_lakes_sampling_plan.pdf)
- Bioaccumulation Oversight Group (BOG). 2016. Bioaccumulation Monitoring Plan for Lakes and Reservoirs in California: 2016. California State Water Resources Control Board, Sacramento, CA.
- Davis, J.A., B.K. Greenfield, G. Ichikawa, and M. Stephenson. 2008. Mercury in sport fish from the Sacramento–San Joaquin Delta region, California, USA. *Science of the Total Environment* 391: 66-75.
- Davis, J.A., A.R. Melwani, S.N. Bezalel, J.A. Hunt, G. Ichikawa, A. Bonnema, W.A. Heim, D. Crane, S. Swenson, C. Lamerdin, and M. Stephenson. 2010. Contaminants in Fish from California Lakes and Reservoirs, 2007-2008: Summary Report on a Two-Year Screening Survey. A Report of the Surface Water Ambient Monitoring Program (SWAMP). California State Water Resources Control Board, Sacramento, CA.
- Davis, J.A., J.R.M. Ross, S.N. Bezalel, J.A. Hunt, A.R. Melwani, R.M. Allen, G. Ichikawa, A. Bonnema, W.A. Heim, D. Crane, S. Swenson, C. Lamerdin, M. Stephenson, and K. Schiff. 2012. Contaminants in Fish from the California Coast, 2009-2010: Summary Report on a Two-Year Screening Survey. A Report of the Surface Water Ambient Monitoring Program (SWAMP). California State Water Resources Control Board, Sacramento, CA.
- Davis, J.A., J.R.M. Ross, S.N. Bezalel, J.A. Hunt, G. Ichikawa, A. Bonnema, W.A. Heim, D. Crane, S. Swenson, and C. Lamerdin. 2013. Contaminants in Fish from California Rivers and Streams, 2011. A Report of the Surface Water Ambient

- Monitoring Program (SWAMP). California State Water Resources Control Board, Sacramento, CA.
- Davis, J.A., J.R.M. Ross, S.N. Bezalel, J.A. Hunt, E.N. Spotswood, G. Ichikawa, A. Bonnema, and W.A. Heim. 2018. Survey of California Lakes and Reservoirs with Low Concentrations of Contaminants in Sport Fish. A Report of the Surface Water Ambient Monitoring Program (SWAMP). California State Water Resources Control Board, Sacramento, CA.
- Davis, J.A., J.R.M. Ross, S.N. Bezalel, A. Bonnema, G. Ichikawa, B. Jakl, and W.A. Heim. 2019a. Long-term Monitoring of Bass Lakes and Reservoirs in California: 2015 Data Report. A Report of the Surface Water Ambient Monitoring Program (SWAMP). California State Water Resources Control Board, Sacramento, CA.
- Davis, J.A., J.R.M. Ross, S.N. Bezalel, A. Bonnema, G. Ichikawa, B. Jakl, and W.A. Heim. 2019b. Long-term Monitoring of Bass Lakes and Reservoirs in California: 2017 Data Report. A Report of the Surface Water Ambient Monitoring Program (SWAMP). California State Water Resources Control Board, Sacramento, CA.
- Davis, J.A., J.R.M. Ross, S.N. Bezalel, A. Bonnema, G. Ichikawa, B. Jakl, and W.A. Heim. 2022. Contaminants in Fish in California Lakes and Reservoirs: 2016 Data Report. A Report of the Surface Water Ambient Monitoring Program (SWAMP). California State Water Resources Control Board, Sacramento, CA.
- Melwani, A.R., S.N. Bezalel, J.A. Hunt, J.L. Grenier, G. Ichikawa, W. Heim, A. Bonnema, C. Foe, D.G. Slotton, J.A. Davis. 2009. Spatial trends and impairment assessment of mercury in sport fish in the Sacramento–San Joaquin Delta watershed. *Environ. Pollut.* 157: 3137-3149.
- Palumbo, A. and J. Iverson. 2017. Final Staff Report: Part 2 of the Water Quality Control Plan for Inland Surface Waters, Enclosed Bays, and Estuaries of California – Tribal and Subsistence Fishing Beneficial Uses and Mercury Provisions. California State Water Resources Control Board, Sacramento, CA.

# Figures

Figure 1. Sampling locations for long-term bass lake monitoring.



**Figure 2. Sampling locations for long-term bass lake monitoring, Panel 3 sampled in 2019.**

Almaden Reservoir, Guadalupe Reservoir, Harbor Lake, Black Butte Reservoir and Lake Nacimiento were also sampled but are not shown.

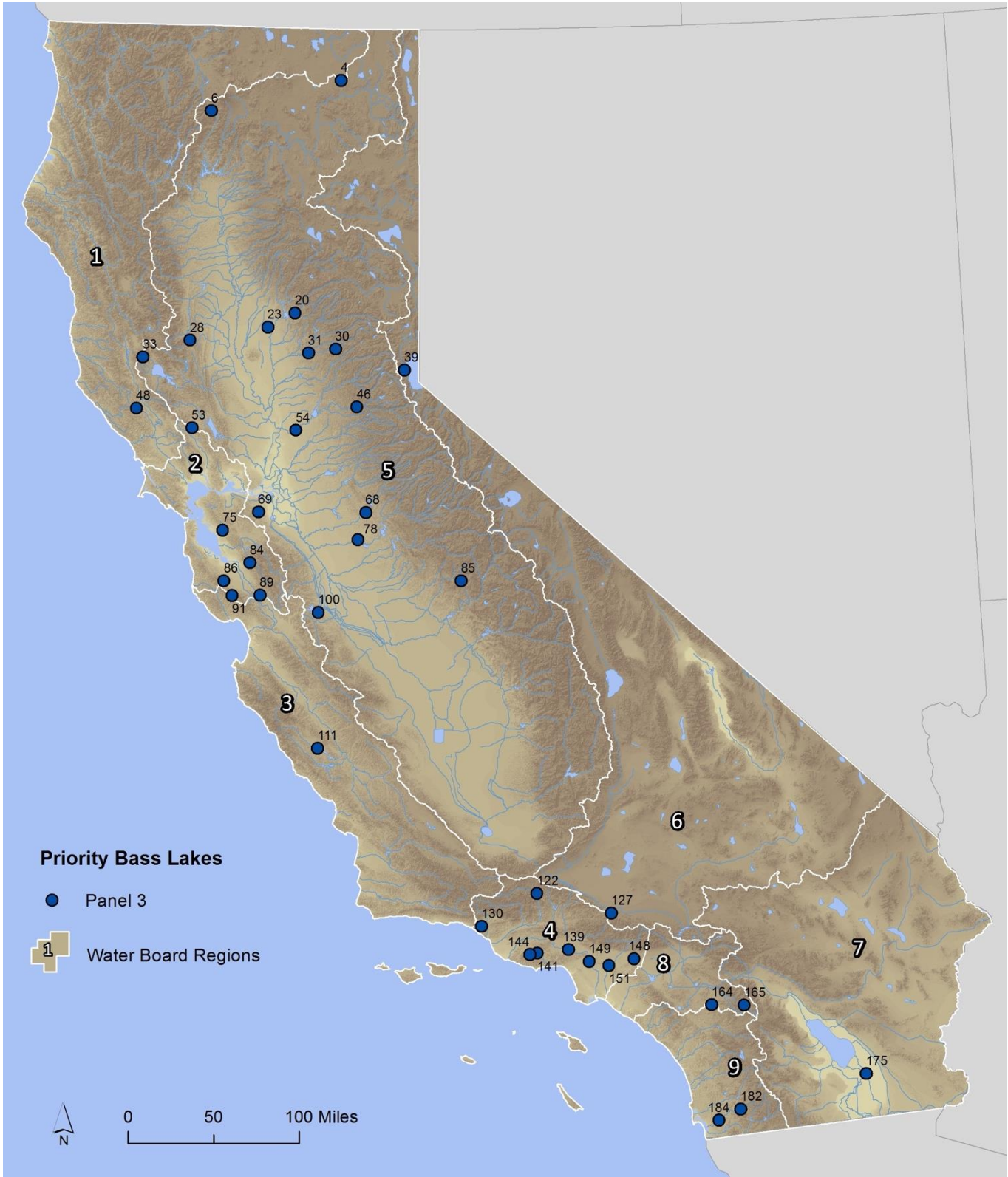
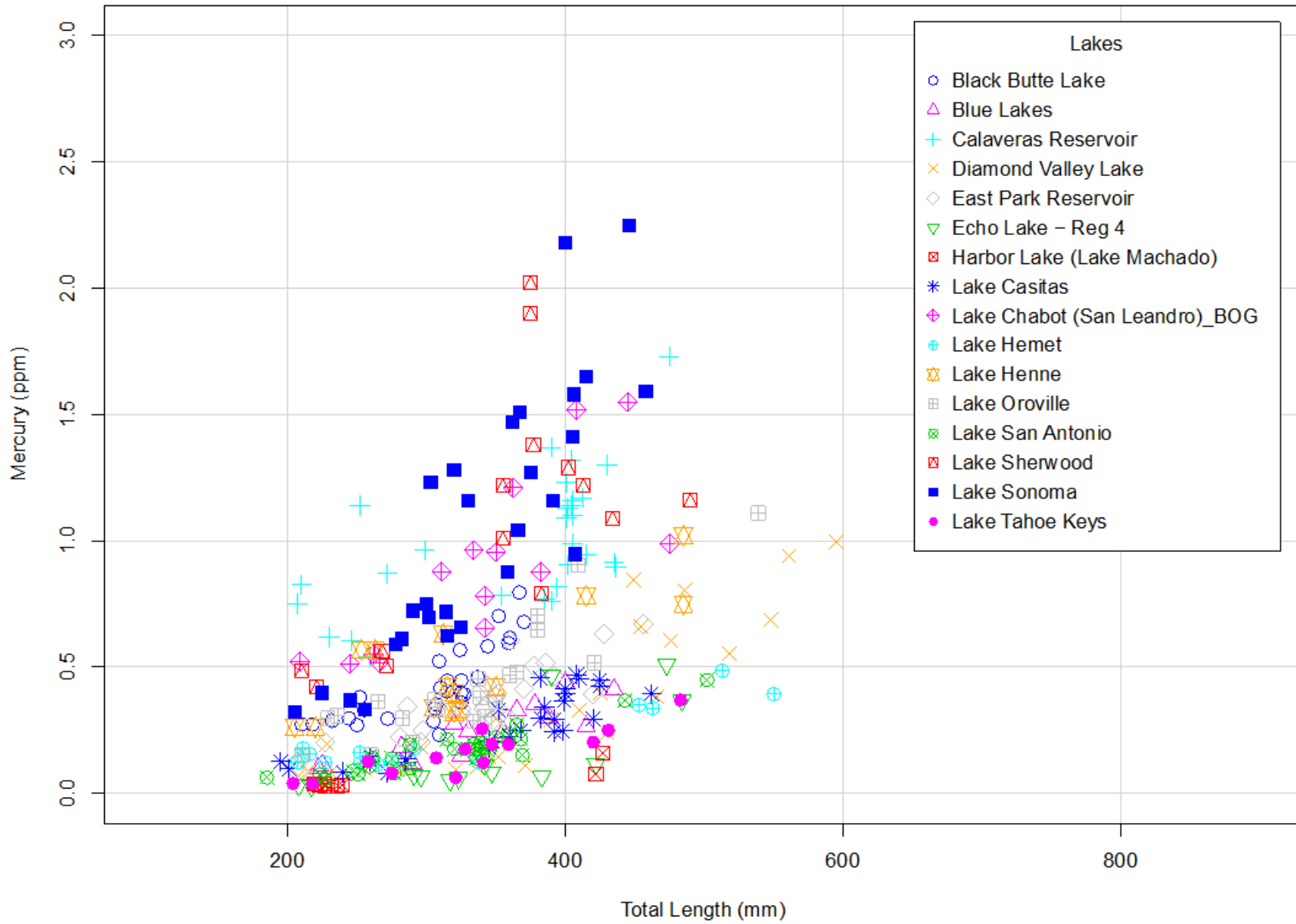


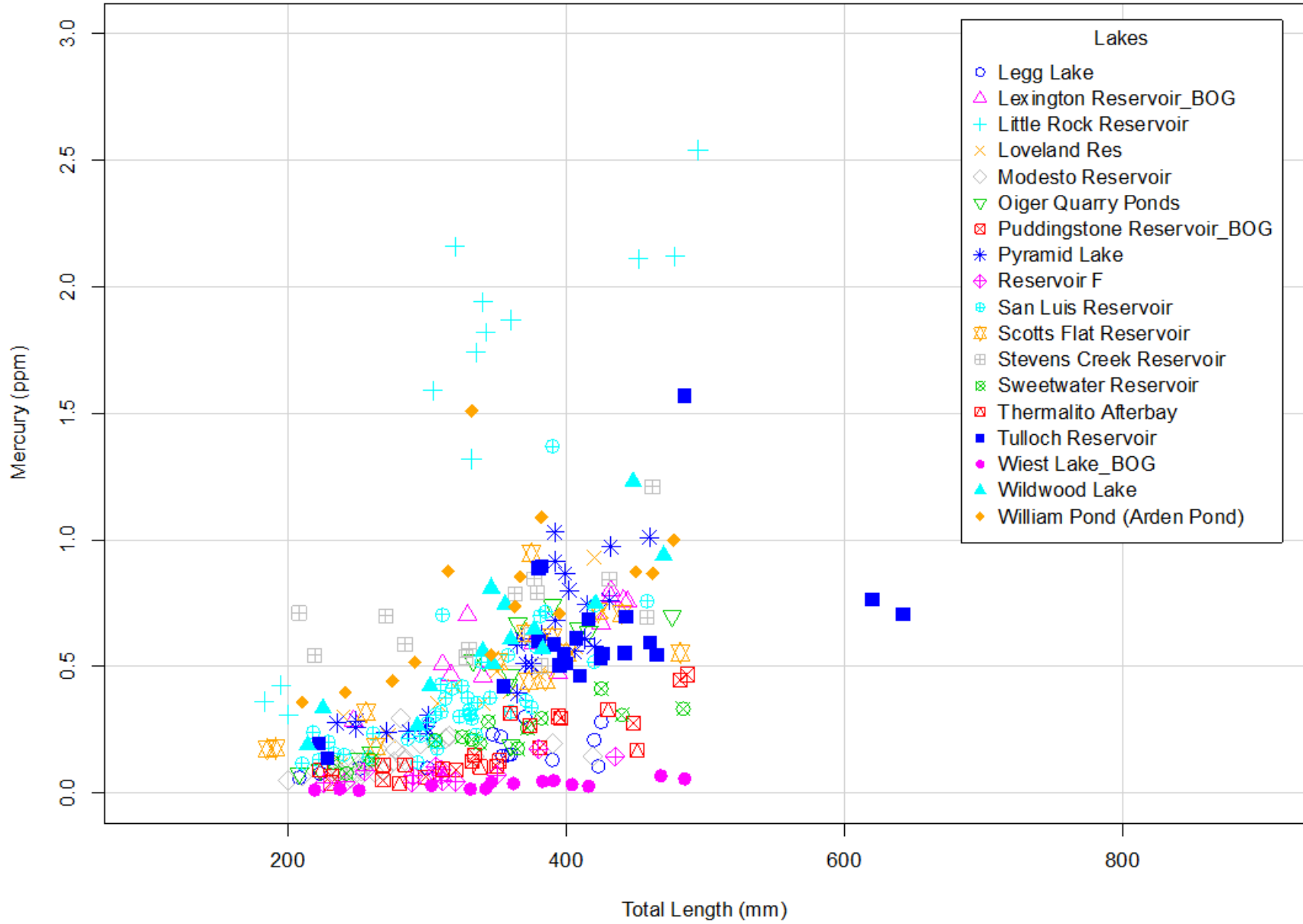
Figure 2. Continued. Sampling locations legend. Lake Lindero and Marsh Creek Reservoir could not be sampled (see text in Methods for explanation).

<b>Region</b>	<b>Map Label</b>	<b>Waterbody Name</b>
1	4	Reservoir F
1	48	Sonoma, Lake
2	84	Calaveras Reservoir
2	75	Chabot, Lake (San Leandro)
2	53	Henne, Lake
2	91	Lexington Reservoir
2	89	Ogier Quarry Ponds
2	86	Stevens Creek Reservoir
3	111	San Antonio, Lake
4	130	Casitas, Lake
4	149	Echo Park Lake
4	151	Legg Lake
4	141	Lindero, Lake
4	148	Puddingstone Reservoir
4	122	Pyramid Lake
4	139	Sepulveda Lake
4	144	Sherwood, Lake
5	85	Bass Lake
5	33	Blue Lakes
5	28	East Park Reservoir
5	69	Marsh Creek Reservoir
5	78	Modesto Reservoir
5	20	Oroville, Lake
5	100	San Luis Reservoir
5	30	Scotts Flat Reservoir
5	6	Siskiyou Lake
5	46	Slab Creek Reservoir
5	23	Thermalito Afterbay
5	68	Tulloch Reservoir
5	31	Wildwood, Lake
5	54	William Pond (Arden Pond)
6	127	Little Rock Reservoir
6	39	Tahoe, Lake (Tahoe Keys)
7	175	Wiest Lake
8	165	Hemet, Lake
9	164	Diamond Valley Reservoir
9	182	Loveland Reservoir
9	184	Sweetwater Reservoir

### Largemouth Bass



# Largemouth Bass



**Figure 5. Mercury (ppm wet weight) versus length (mm) for largemouth bass (part 3).**

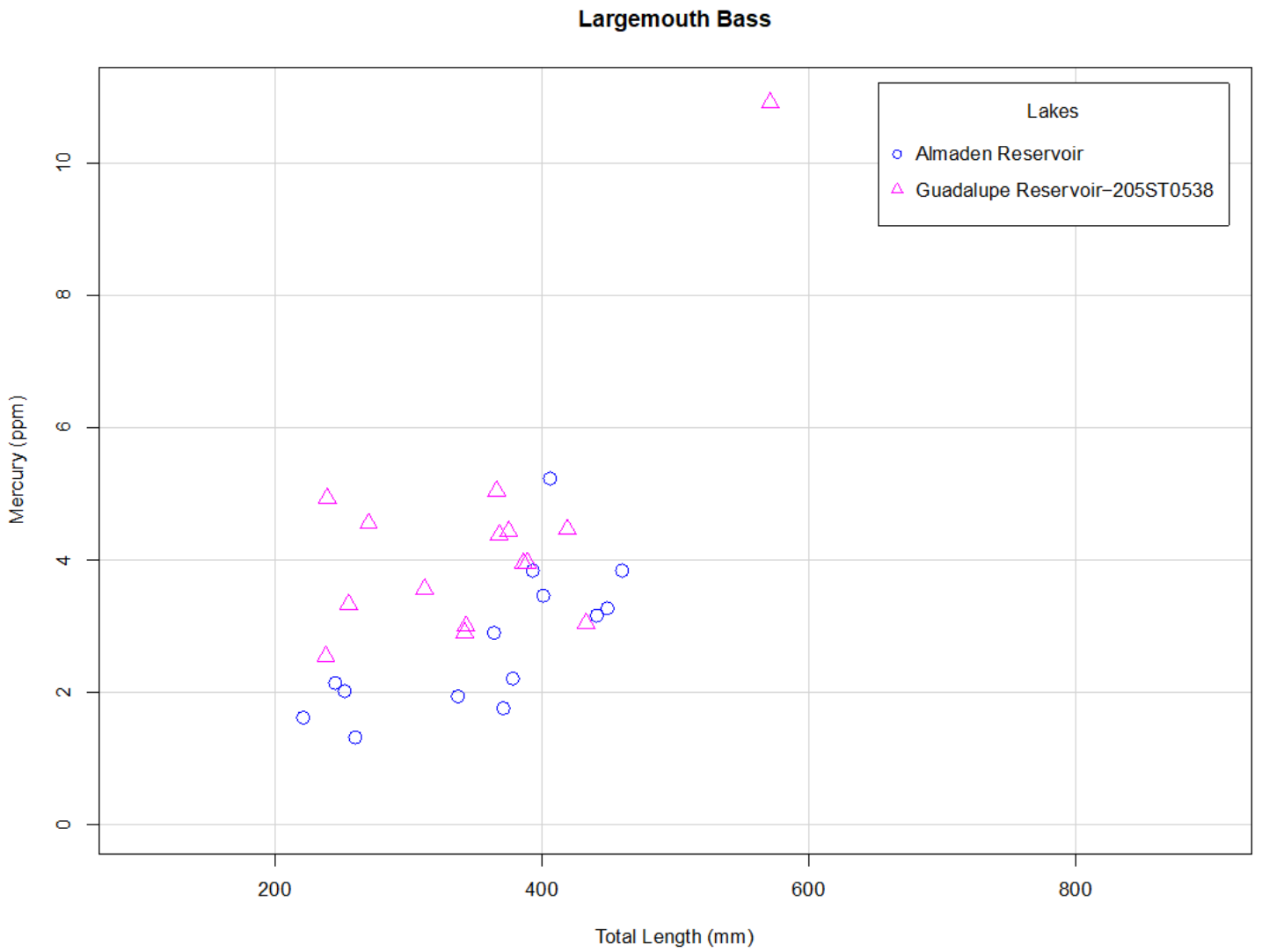




Figure 6. Mercury (ppm wet weight) versus length (mm) for smallmouth bass.

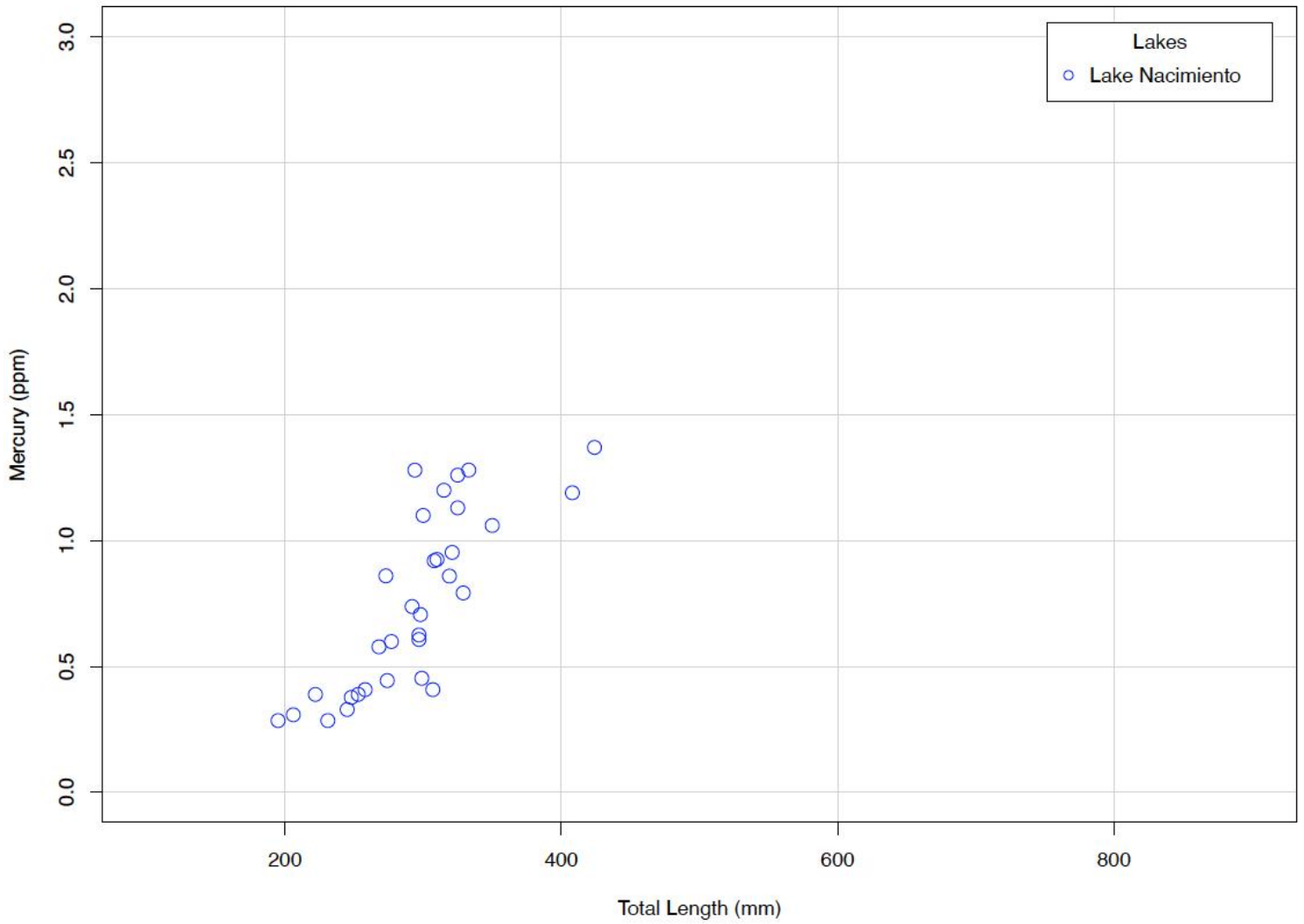


Figure 7. Mercury (ppm wet weight) versus length (mm) for spotted bass.

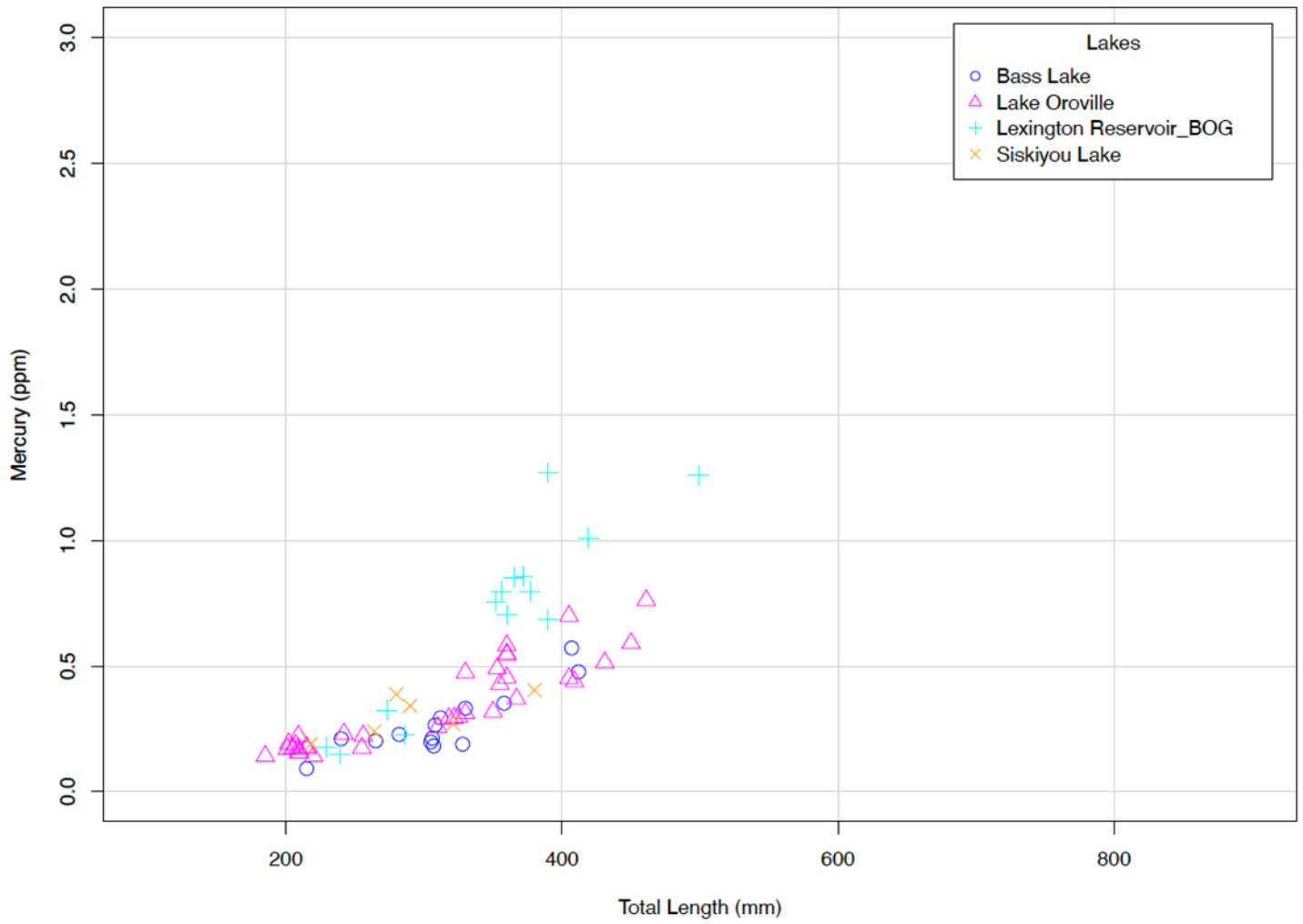
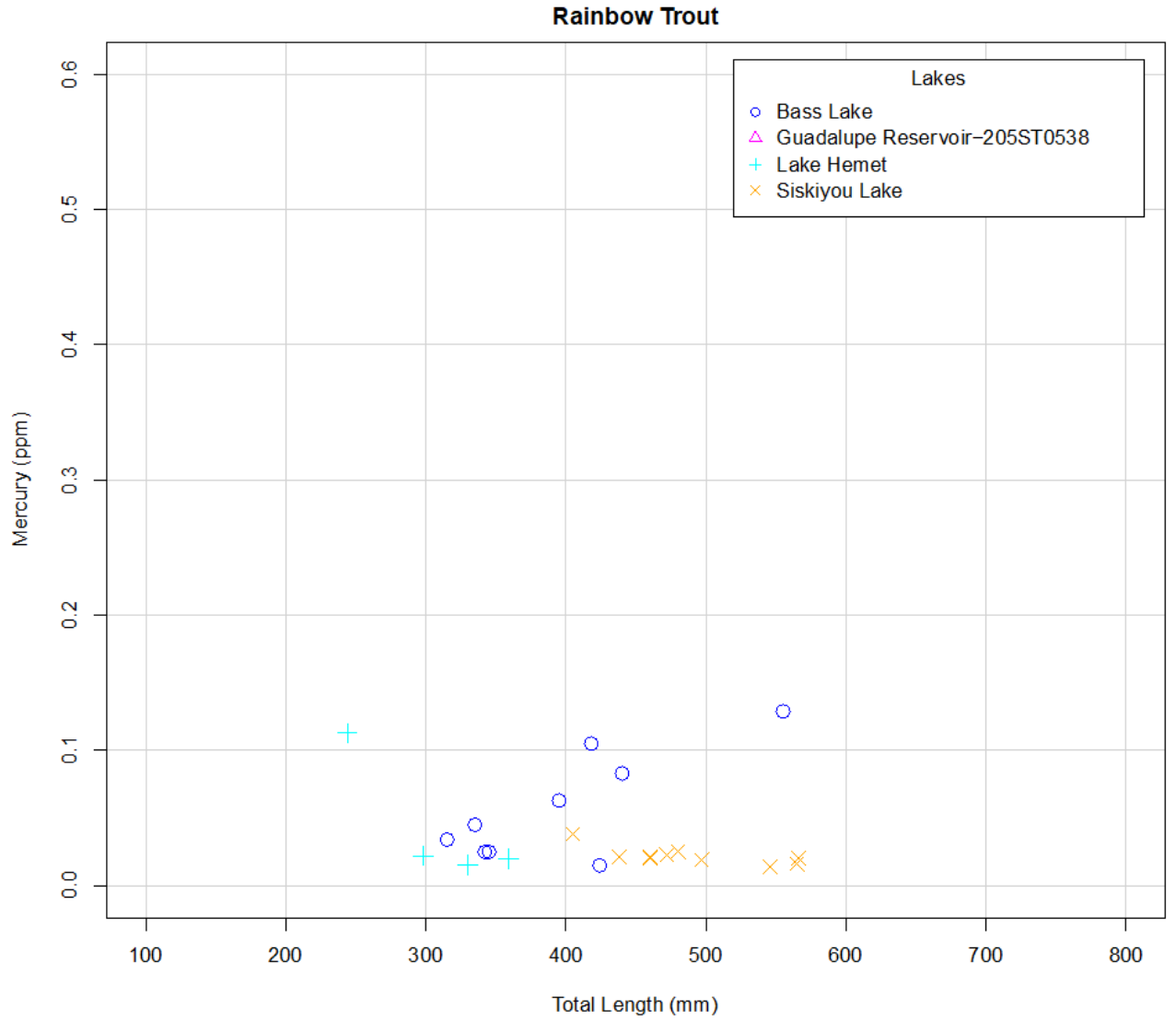
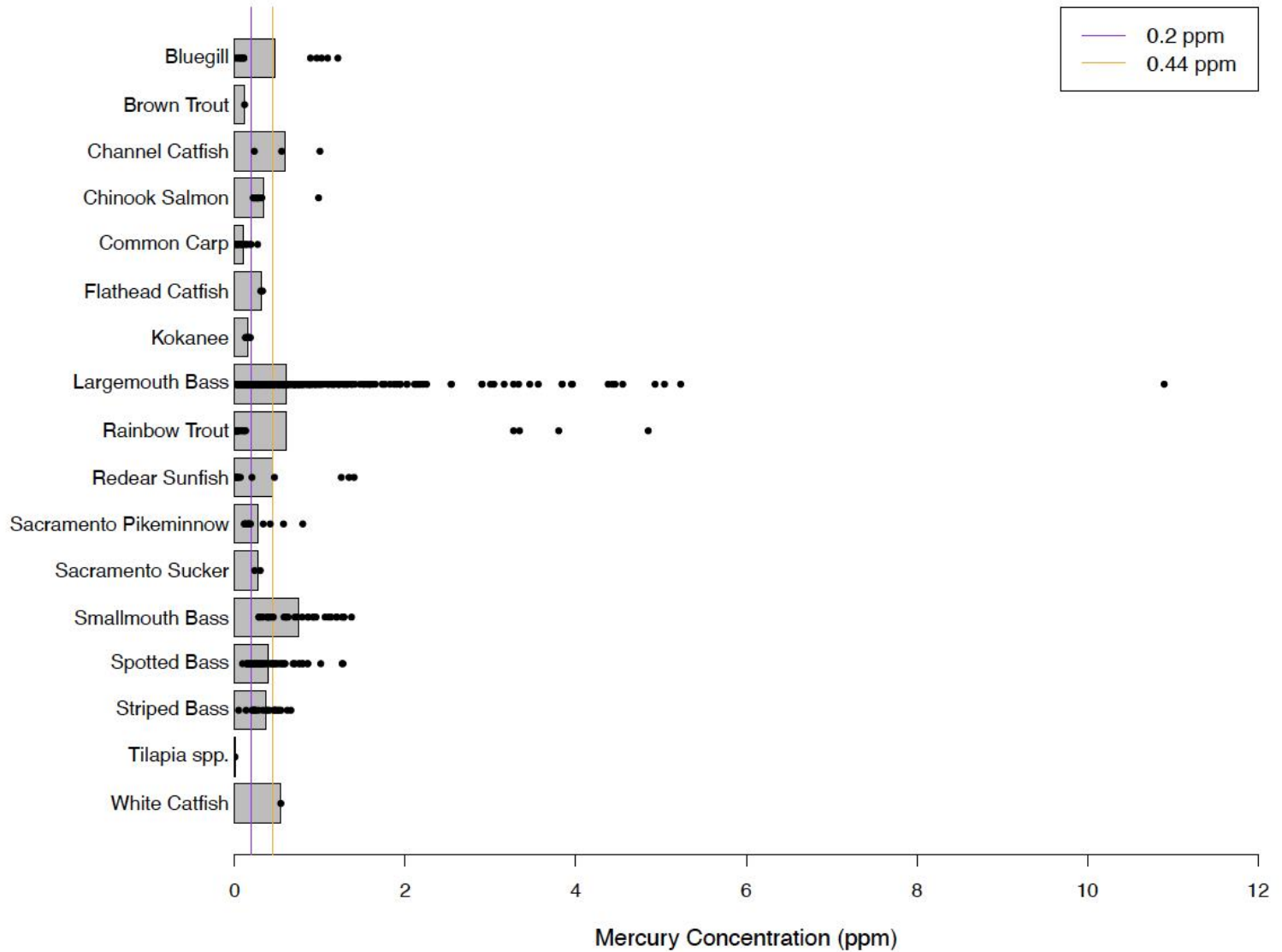


Figure 8. Mercury (ppm wet weight) versus length (mm) for rainbow trout.



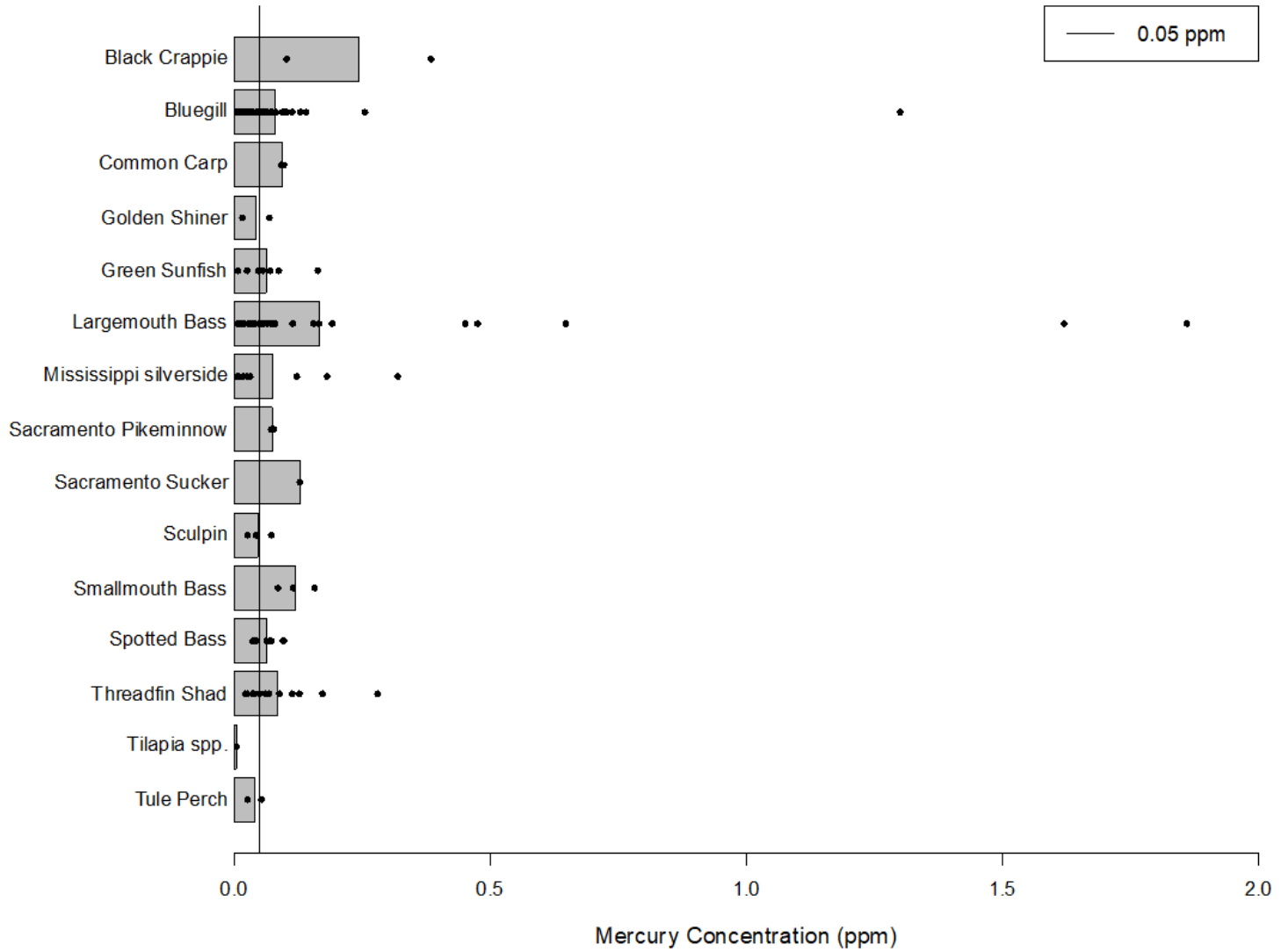
### Figure 9. Mercury concentrations by species: sport fish.

The points represent the composite and individual concentrations for each species; bars represent means. The orange line on the graph shows the 0.44 ppm OEHHA ATL threshold for no consumption by women. The purple line shows the 0.05 ppm statewide water quality objective for mercury in prey fish.



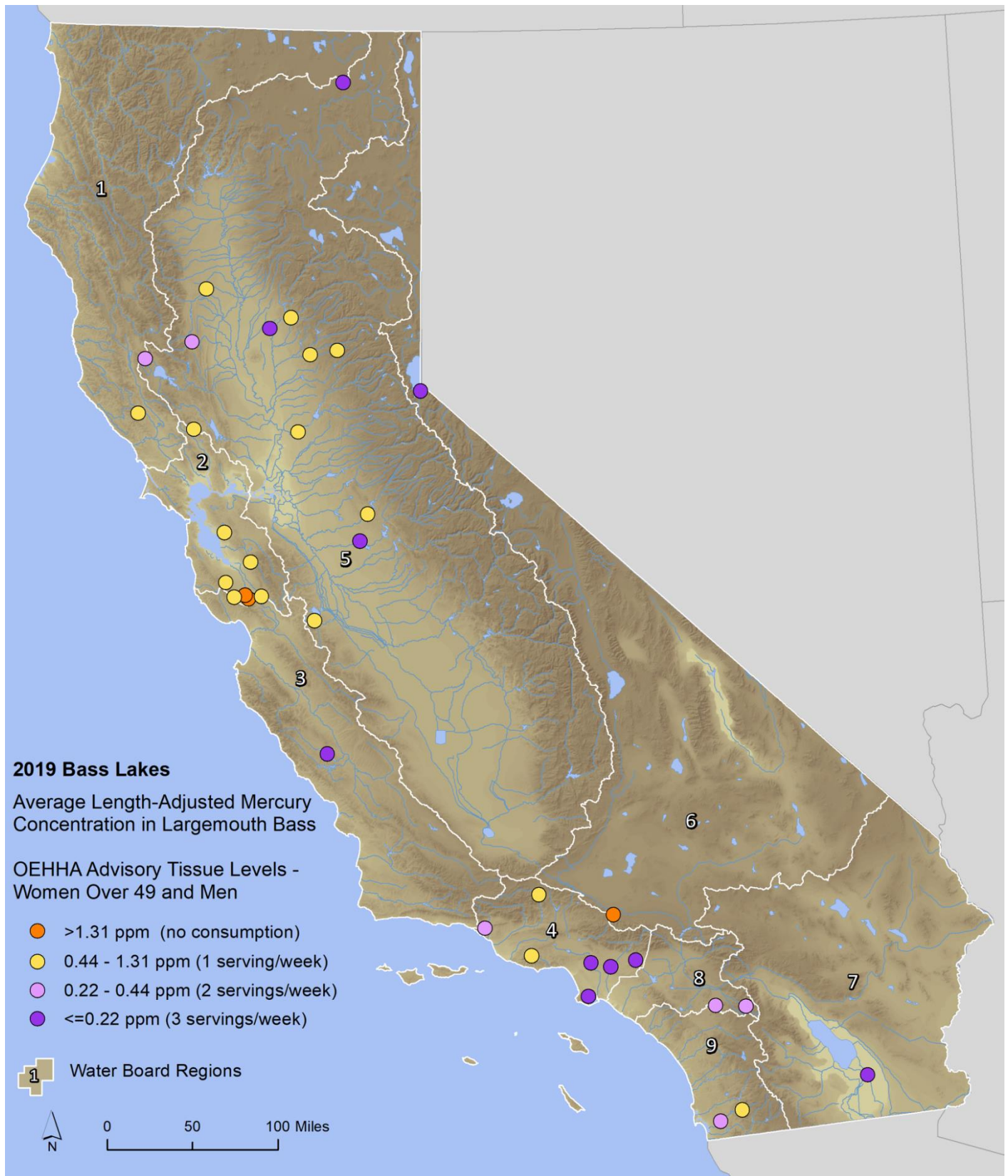
### Figure 10. Mercury concentrations by species: prey fish.

The points represent the composite sample concentrations for each species; the bar is the mean of the composite concentrations. The line shows the 0.05 ppm statewide water quality objective for mercury in prey fish.



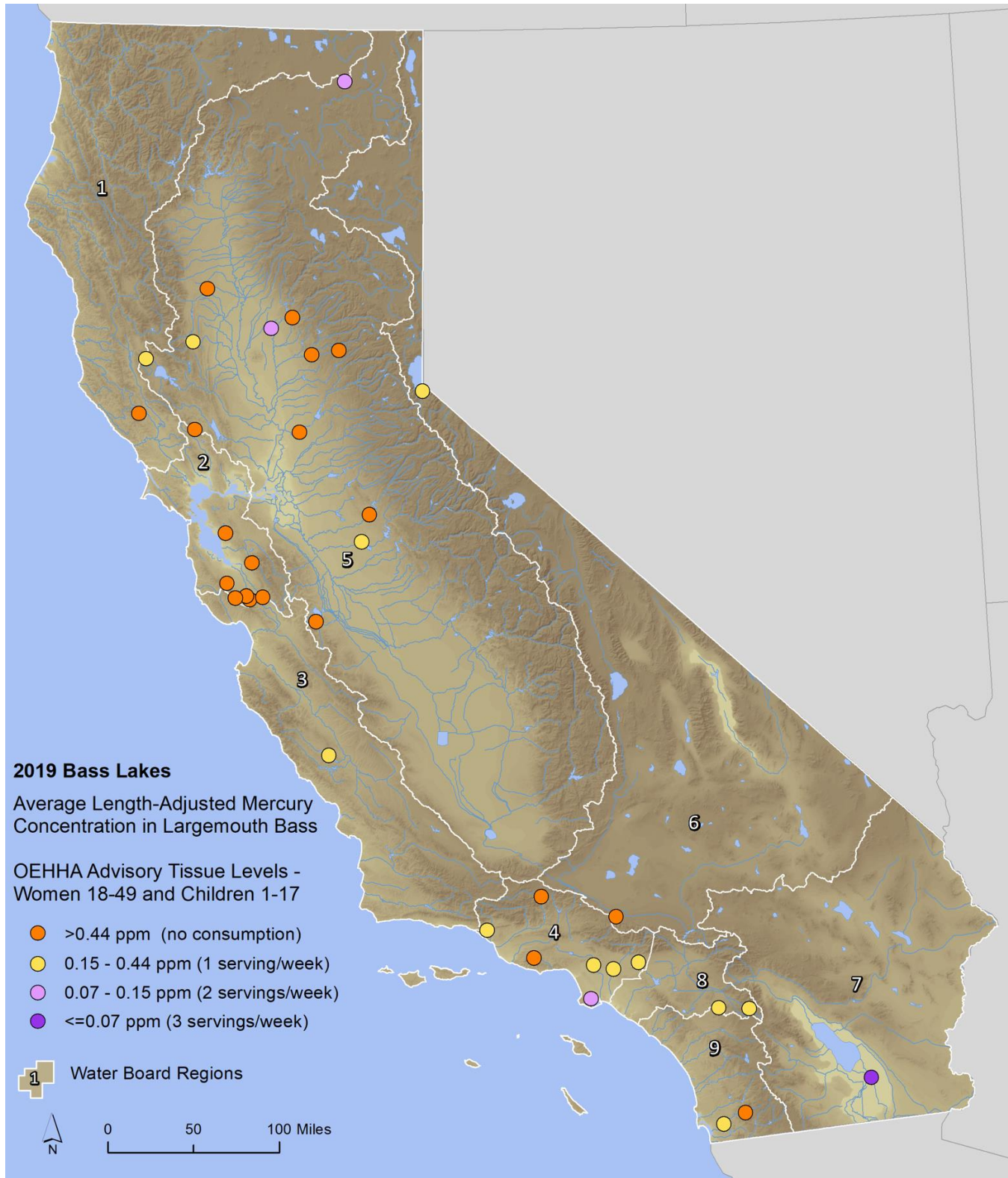
# Figure 11. Spatial pattern in mercury concentrations in largemouth bass.

Thresholds based on ATLs for women over 49 and men. Colors based on mean concentrations adjusted to a length of 350 mm.



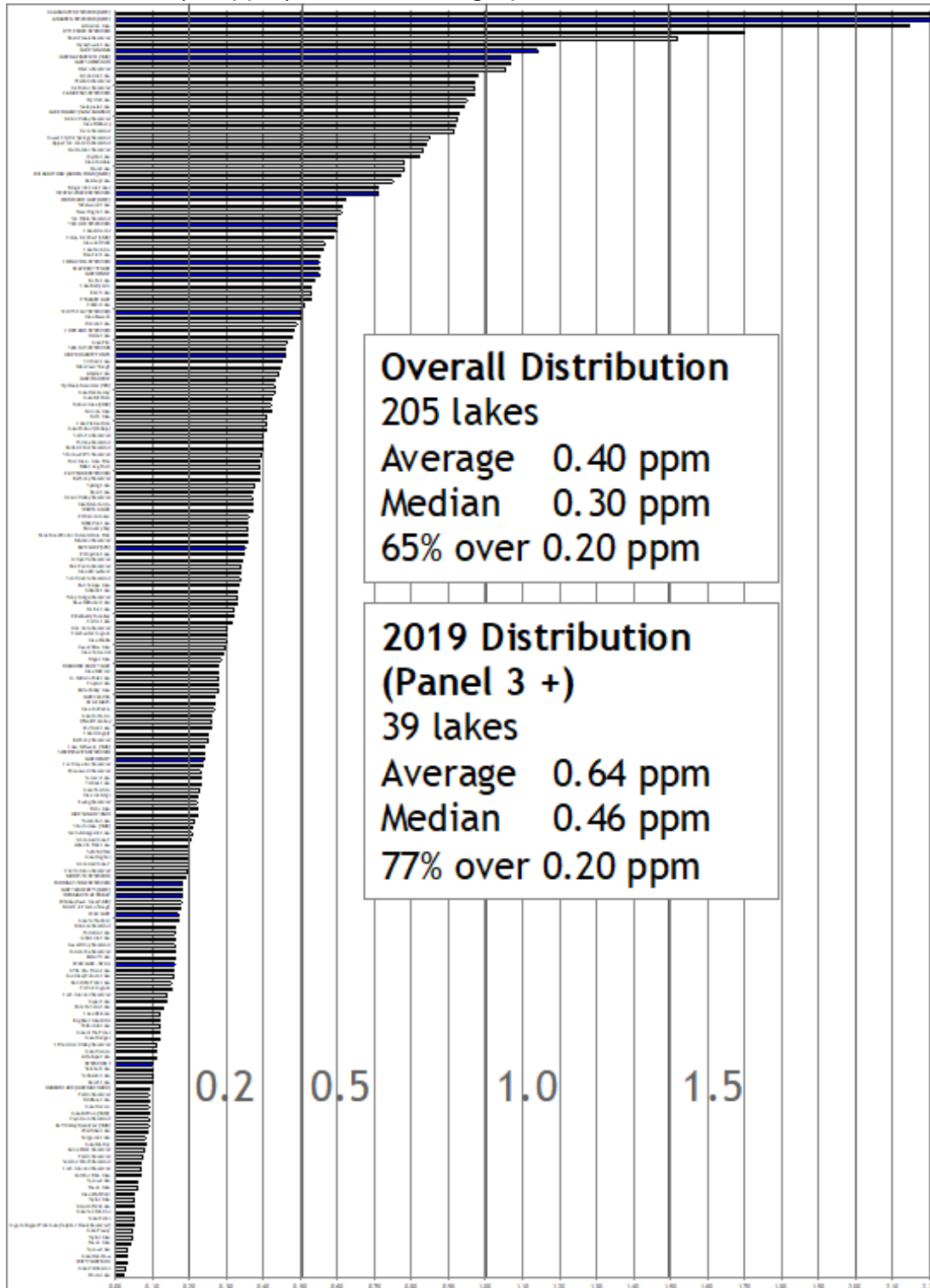
## Figure 12. Spatial pattern in mercury concentrations in largemouth bass.

Thresholds based on ATIs for women 18-49 and children 1-17. Colors based on mean concentrations adjusted to a length of 350 mm.



**Figure 13. Mean mercury concentrations (ppm) in length-adjusted (350 mm) black bass in California lakes.**

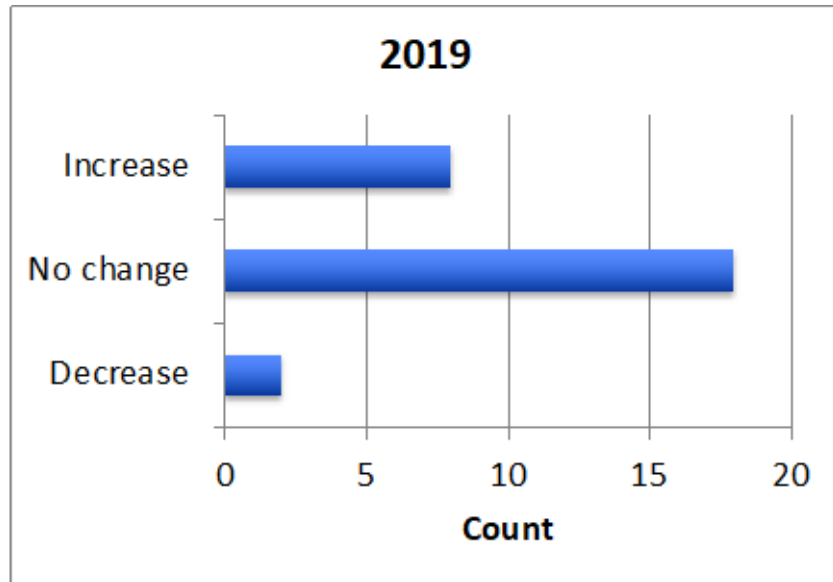
Most recent sampling year for each lake is shown. Blue shading indicates lakes sampled in 2019. The highest values (4.28 ppm for Guadalupe Reservoir and 2.71 ppm for Almaden Reservoir) are beyond the maximum (2.2 ppm) shown on the graph.





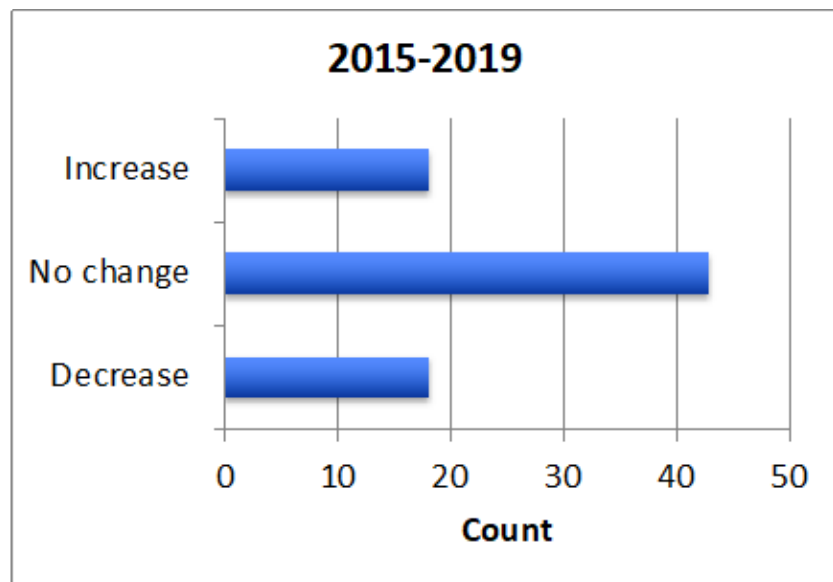
**Figure 14. Numbers of bass lakes monitored in 2019 with significant increases, no change, or significant decreases in mercury concentration relative to the most recent previous round of sampling.**

Based on comparison of 350 mm length-adjusted annual means for largemouth bass.



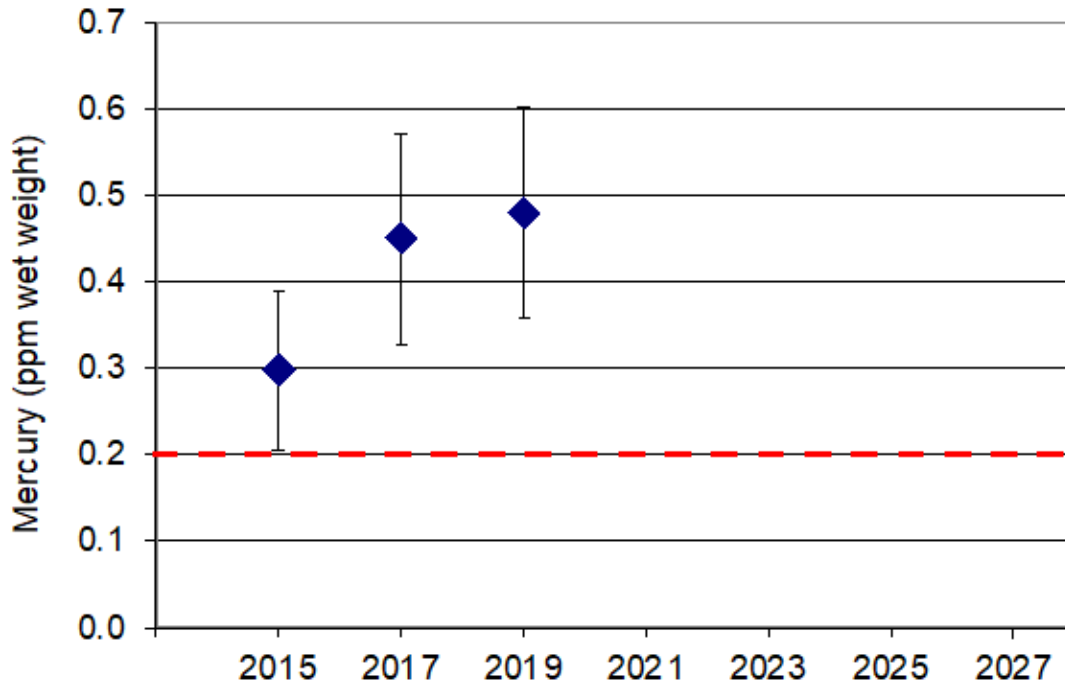
**Figure 15. Numbers of bass lakes monitored in 2015-2019 with significant increases, no change, or significant decreases in mercury concentration relative to the most recent previous round of sampling.**

Based on comparison of 350 mm length-adjusted annual means for largemouth bass.



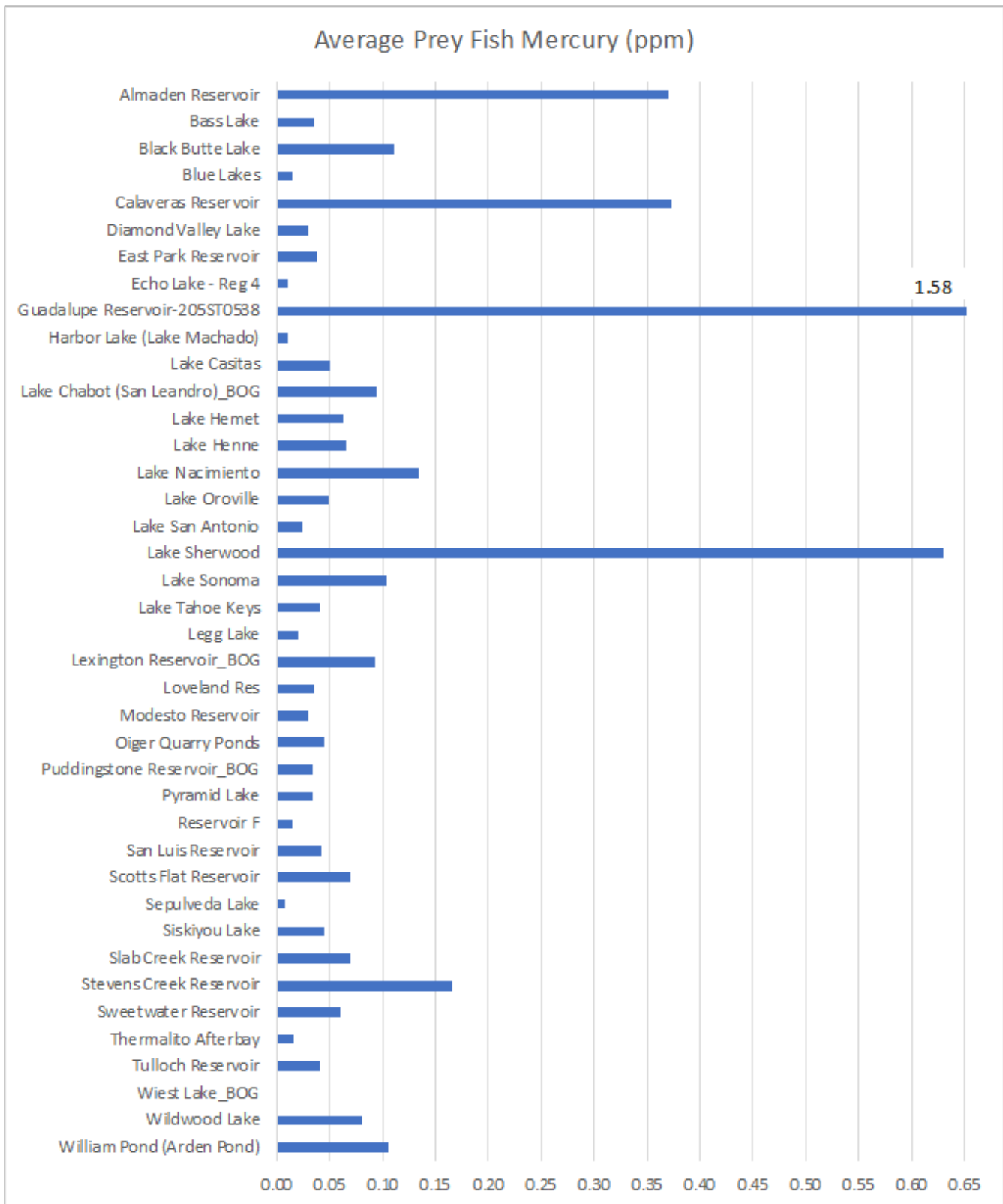
**Figure 16. Statewide mean mercury concentration (ppm wet weight) in black bass.**

Based on length-adjusted means for lakes from the randomized panel for each year (excluding lakes added to the panels in response to Regional Water Boards requests). Error bars show  $\pm 2$  times the standard error of the mean.



**Figure 17. Lakewide mean mercury concentrations in prey fish.**

The highest value (1.58 ppm for Guadalupe Reservoir) is beyond the maximum (0.65 ppm) shown on the graph.



# Tables

**Table 1. Analytes included in the 2019 lakes sampling, detection limits, number of observations, and frequencies of detection and reporting.**

Laboratory	Class	Analyte	Method Detection Limit	Unit	Number of Observations	Frequency of Detection (%)	Frequency of Reporting (%)
MPSL-DFW	Age	Age		yr	764	100	100
MPSL-DFW	MERCURY	Mercury	0.0030	ug/g ww	1037	100	100
MPSL-DFW	SELENIUM	Selenium	0.2300	ug/g ww	253	67	67
DeltaEnv	CHLORDANE	Chlordane, cis-	0.0015	ng/g ww	12	0	0
DeltaEnv	CHLORDANE	Chlordane, trans-	0.0015	ng/g ww	12	0	0
DeltaEnv	DDT	DDD(o,p')	0.0015	ng/g ww	12	0	0
DeltaEnv	DDT	DDD(p,p')	0.0015	ng/g ww	12	0	0
DeltaEnv	DDT	DDE(o,p')	0.0015	ng/g ww	12	0	0
DeltaEnv	DDT	DDE(p,p')	0.0015	ng/g ww	12	8	8
DeltaEnv	DDT	DDT(o,p')	0.0015	ng/g ww	12	0	0
DeltaEnv	DDT	DDT(p,p')	0.0015	ng/g ww	12	8	8
DeltaEnv	DIELDRIN	Dieldrin	0.0015	ng/g ww	12	0	0
DeltaEnv	CHLORDANE	Nonachlor, cis-	0.0020	ng/g ww	9	0	0
DeltaEnv	PCB	PCB 003	0.0021	ng/g ww	23	0	0
DeltaEnv	PCB	PCB 005/8	0.0021	ng/g ww	23	0	0
DeltaEnv	PCB	PCB 015	0.0021	ng/g ww	23	0	0
DeltaEnv	PCB	PCB 018	0.0021	ng/g ww	23	0	0
DeltaEnv	PCB	PCB 027	0.0021	ng/g ww	23	0	0
DeltaEnv	PCB	PCB 028	0.0021	ng/g ww	23	0	0
DeltaEnv	PCB	PCB 029	0.0021	ng/g ww	23	0	0
DeltaEnv	PCB	PCB 031	0.0021	ng/g ww	23	0	0
DeltaEnv	PCB	PCB 033	0.0021	ng/g ww	23	0	0
DeltaEnv	PCB	PCB 037	0.0021	ng/g ww	23	0	0
DeltaEnv	PCB	PCB 044	0.0021	ng/g ww	23	0	0
DeltaEnv	PCB	PCB 049	0.0021	ng/g ww	23	0	0
DeltaEnv	PCB	PCB 052	0.0021	ng/g ww	23	0	0
DeltaEnv	PCB	PCB 056	0.0021	ng/g ww	23	0	0
DeltaEnv	PCB	PCB 060	0.0021	ng/g ww	23	0	0
DeltaEnv	PCB	PCB 064	0.0021	ng/g ww	23	0	0
DeltaEnv	PCB	PCB 066	0.0021	ng/g ww	23	0	0
DeltaEnv	PCB	PCB 070	0.0021	ng/g ww	23	0	0

Laboratory	Class	Analyte	Method Detection Limit	Unit	Number of Observations	Frequency of Detection (%)	Frequency of Reporting (%)
DeltaEnv	PCB	PCB 074	0.0021	ng/g ww	23	0	0
DeltaEnv	PCB	PCB 077	0.0021	ng/g ww	23	0	0
DeltaEnv	PCB	PCB 081	0.0021	ng/g ww	23	0	0
DeltaEnv	PCB	PCB 087	0.0021	ng/g ww	23	0	0
DeltaEnv	PCB	PCB 095	0.0021	ng/g ww	23	0	0
DeltaEnv	PCB	PCB 097	0.0021	ng/g ww	23	0	0
DeltaEnv	PCB	PCB 099	0.0021	ng/g ww	23	0	0
DeltaEnv	PCB	PCB 101	0.0021	ng/g ww	23	0	0
DeltaEnv	PCB	PCB 105	0.0021	ng/g ww	23	0	0
DeltaEnv	PCB	PCB 110	0.0021	ng/g ww	23	0	0
DeltaEnv	PCB	PCB 114	0.0021	ng/g ww	23	0	0
DeltaEnv	PCB	PCB 118	0.0021	ng/g ww	23	0	0
DeltaEnv	PCB	PCB 119	0.0021	ng/g ww	23	0	0
DeltaEnv	PCB	PCB 123	0.0021	ng/g ww	23	0	0
DeltaEnv	PCB	PCB 126	0.0021	ng/g ww	23	0	0
DeltaEnv	PCB	PCB 128	0.0021	ng/g ww	23	0	0
DeltaEnv	PCB	PCB 132/153	0.0021	ng/g ww	23	0	0
DeltaEnv	PCB	PCB 138/158	0.0021	ng/g ww	23	0	0
DeltaEnv	PCB	PCB 141	0.0021	ng/g ww	23	0	0
DeltaEnv	PCB	PCB 146	0.0021	ng/g ww	23	0	0
DeltaEnv	PCB	PCB 149	0.0021	ng/g ww	23	0	0
DeltaEnv	PCB	PCB 151	0.0021	ng/g ww	23	0	0
DeltaEnv	PCB	PCB 156	0.0021	ng/g ww	23	0	0
DeltaEnv	PCB	PCB 157	0.0021	ng/g ww	23	0	0
DeltaEnv	PCB	PCB 167	0.0021	ng/g ww	23	0	0
DeltaEnv	PCB	PCB 168	0.0021	ng/g ww	23	0	0
DeltaEnv	PCB	PCB 169	0.0021	ng/g ww	23	0	0
DeltaEnv	PCB	PCB 170	0.0021	ng/g ww	23	0	0
DeltaEnv	PCB	PCB 174	0.0021	ng/g ww	23	0	0
DeltaEnv	PCB	PCB 177	0.0021	ng/g ww	23	0	0
DeltaEnv	PCB	PCB 180	0.0021	ng/g ww	23	0	0
DeltaEnv	PCB	PCB 183	0.0021	ng/g ww	23	0	0
DeltaEnv	PCB	PCB 184	0.0021	ng/g ww	23	0	0
DeltaEnv	PCB	PCB 187	0.0021	ng/g ww	23	0	0
DeltaEnv	PCB	PCB 189	0.0021	ng/g ww	23	0	0
DeltaEnv	PCB	PCB 194	0.0021	ng/g ww	23	0	0
DeltaEnv	PCB	PCB 195	0.0021	ng/g ww	23	0	0
DeltaEnv	PCB	PCB 198	0.0021	ng/g ww	23	0	0
DeltaEnv	PCB	PCB 199	0.0021	ng/g ww	23	0	0

Laboratory	Class	Analyte	Method Detection Limit	Unit	Number of Observations	Frequency of Detection (%)	Frequency of Reporting (%)
DeltaEnv	PCB	PCB 200	0.0021	ng/g ww	23	0	0
DeltaEnv	PCB	PCB 201	0.0021	ng/g ww	23	0	0
DeltaEnv	PCB	PCB 203	0.0021	ng/g ww	23	0	0
DeltaEnv	PCB	PCB 206	0.0021	ng/g ww	23	0	0
DeltaEnv	PCB	PCB 209	0.0021	ng/g ww	23	0	0

**Table 2a. Scientific and common names of sport fish species collected in the 2019 monitoring of lakes and reservoirs in California, the number of locations in which they were sampled, numbers of individual or composite samples, their minimum, median, and maximum total lengths (mm), and whether they were analyzed as composites or individuals.**

Species Name	Common Name	Sample Totals		Composites		Individuals		Length Statistics (mm)			Analyzed as...	
		Num. Fish	Num. Locations	Num. Samples	Num. Locations	Num. Samples	Num. Locations	Min	Median	Max	Composites	Individuals
<i>Ameiurus catus</i>	White Catfish	6	1	1	1			530	570	601	Y	
<i>Catostomus occidentalis</i>	Sacramento Sucker	20	2	2	2			305	445	531	Y	
<i>Cyprinus carpio</i>	Common Carp	90	12	15	12			286	570.5	791	Y	
<i>Ictalurus punctatus</i>	Channel Catfish	20	3	3	3			303	488	686	Y	
<i>Lepomis macrochirus</i>	Bluegill	49	6	9	6	5	1	111	152	220	Y	Y
<i>Lepomis microlophus</i>	Redear Sunfish	59	7	8	7	4	1	116	190	300	Y	Y
<i>Micropterus dolomieu</i>	Smallmouth Bass	32	1	3	1	32	1	195	297	424	Y	Y
<i>Micropterus punctulatus</i>	Spotted Bass	69	4	6	4	69	4	185	321	499	Y	Y
<i>Micropterus salmoides</i>	Largemouth Bass	663	36	48	36	663	36	183	342	642	Y	Y
<i>Morone saxatilis</i>	Striped Bass	26	2	3	2	21	2	72	454	572	Y	Y
<i>Oncorhynchus mykiss</i>	Rainbow Trout	27	4	4	4	27	4	244	405	566	Y	Y
<i>Oncorhynchus nerka</i>	Kokanee	10	1	1	1	10	1	380	424	460	Y	Y

Species Name	Common Name	Sample Totals		Composites		Individuals		Length Statistics (mm)			Analyzed as...	
		Num. Fish	Num. Locations	Num. Samples	Num. Locations	Num. Samples	Num. Locations	Min	Median	Max	Composites	Individuals
<i>Oncorhynchus tshawytscha</i>	Chinook Salmon	10	1	1	1	10	1	384	408	542	Y	Y
<i>Ptychocheilus grandis</i>	Sacramento Pikeminnow	12	1	1	1	12	1	285	356	499	Y	Y
<i>Pylodictis olivaris</i>	Flathead Catfish	10	1	2	1			330	549	737	Y	
<i>Salmo trutta</i>	Brown Trout	1	1			1	1	455	455	455		Y
<i>Tilapia</i>	Tilapia spp.	10	1	1	1			318	342	380	Y	
Totals		1114	-	108	-	854	-	-	-	-	-	-



**Table 2b. Scientific and common names of prey fish species collected in the 2019 monitoring of lakes and reservoirs in California, the number of locations in which they were sampled, and their minimum, median, and maximum total lengths (mm).**

All prey fish samples were analyzed as composites.

Species Name	Common Name	Sample Totals		Composites		Length Statistics (mm)		
		Num. Fish	Num. Locations	Num. Samples	Num. Locations	Min	Median	Max
<i>Catostomus occidentalis</i>	Sacramento Sucker	10	1	1	1	60	83	99
<i>Cottus</i>	Sculpin	40	2	4	2	31	47	90
<i>Cyprinus carpio</i>	Common Carp	20	1	2	1	72	87	95
<i>Dorosoma petenense</i>	Threadfin Shad	130	9	13	9	56	78	99
<i>Hysterocarpus traskii</i>	Tule Perch	18	1	2	1	75	83	95
<i>Lepomis cyanellus</i>	Green Sunfish	76	6	8	6	37	71	97
<i>Lepomis macrochirus</i>	Bluegill	454	33	45	33	35	77	100
<i>Menidia audens</i>	Mississippi silverside	100	9	10	9	52	75	99
<i>Micropterus dolomieu</i>	Smallmouth Bass	30	2	3	2	53	82	99
<i>Micropterus punctulatus</i>	Spotted Bass	80	6	8	6	36	65	99
<i>Micropterus salmoides</i>	Largemouth Bass	408	29	41	29	23	64	135
<i>Notemigonus crysoleucas</i>	Golden Shiner	20	2	2	2	32	48	87
<i>Pomoxis nigromaculatus</i>	Black Crappie	20	2	2	2	48	68	88
<i>Ptychocheilus grandis</i>	Sacramento Pikeminnow	20	2	2	2	34	49	88
<i>Tilapia</i>	Tilapia spp.	10	1	1	1	67	93	98
Totals		1436	-	144	-	-	-	-

# Appendices

## **Appendix 1. Cruise report for the 2019 bass lakes survey.**

The [cruise report for the 2019 lakes survey](#) can be found on SWAMP Bioaccumulation Monitoring Program website.

**Appendix 2a. Summary of sport fish results for the 2019 lakes survey: composites or means at each location.**

Region	Waterbody Name	Location	Sample Type	Common Name	SampleID	Mercury (µg/g ww)	Selenium (µg/g ww)	Sum of PCBs (ng/g ww)	Sum of DDTs (ng/g ww)	Dieldrin (ng/g ww)	Sum of Chlordane (ng/g ww)
1	Lake Sonoma	L1	350 mm Length-Adjusted L1	Largemouth Bass	NA	1.28					
1	Lake Sonoma	L1	Composite L1	Largemouth Bass	C1_114PLS121L1BO G19LMB		0.28				
1	Lake Sonoma	L2	350 mm Length-Adjusted L2	Largemouth Bass	NA	0.99					
1	Lake Sonoma	L2	Composite L2	Largemouth Bass	C1_114PLS121L2BO G19LMB		0.12				
1	Reservoir F	NA	350 mm Length-Adjusted	Largemouth Bass	NA	0.10					
1	Reservoir F	NA	Composite	Largemouth Bass	C1_105TF0007BOG1 9LMB		0.12				
2	Almaden Reservoir	NA	350 mm Length-Adjusted	Largemouth Bass	NA	2.71					
2	Almaden Reservoir	NA	Average of Individuals	Redear Sunfish	NA	1.11					
2	Almaden Reservoir	NA	Composite	Largemouth Bass	C1_205ALMDNRBO G19LMB		0.25				
2	Almaden Reservoir	NA	Composite	Redear Sunfish	C1_205ALMDNRBO G19RES		0.36				
2	Calaveras Reservoir	L1	350 mm Length-Adjusted L1	Largemouth Bass	NA	1.02					
2	Calaveras Reservoir	L1	Composite L1	Largemouth Bass	C1_204TC0122L1BO G19LMB		0.27				

Region	Waterbody Name	Location	Sample Type	Common Name	SampleID	Mercury (µg/g ww)	Selenium (µg/g ww)	Sum of PCBs (ng/g ww)	Sum of DDTs (ng/g ww)	Dieldrin (ng/g ww)	Sum of Chlordane (ng/g ww)
2	Calaveras Reservoir	L2	350 mm Length-Adjusted L2	Largemouth Bass	NA	0.92					
2	Calaveras Reservoir	L2	Composite L2	Largemouth Bass	C1_204TC0122L2BOG19LMB		0.29				
2	Guadalupe Reservoir-205ST0538	NA	350 mm Length-Adjusted	Largemouth Bass	NA	4.28					
2	Guadalupe Reservoir-205ST0538	NA	Average of Individuals	Bluegill	NA	1.03					
2	Guadalupe Reservoir-205ST0538	NA	Average of Individuals	Rainbow Trout	NA	3.82					
2	Guadalupe Reservoir-205ST0538	NA	Composite	Bluegill	C1_205ST0538BOG19BGL		0.35				
2	Guadalupe Reservoir-205ST0538	NA	Composite	Largemouth Bass	C1_205ST0538BOG19LMB		0.41				
2	Guadalupe Reservoir-205ST0538	NA	Composite	Rainbow Trout	C1_205ST0538BOG19RBT		0.28				
2	Lake Chabot (San Leandro)_BOG	NA	350 mm Length-Adjusted	Largemouth Bass	NA	0.93					
2	Lake Chabot (San Leandro)_BOG	NA	Composite	Common Carp	C1_204TC0514BOG19CAR	0.27	0.28	0			
2	Lake Chabot (San Leandro)_BOG	NA	Composite	Largemouth Bass	C1_204TC0514BOG19LMB		0.26				
2	Lake Henne	NA	350 mm Length-Adjusted	Largemouth Bass	NA	0.55					
2	Lake Henne	NA	Composite	Largemouth Bass	C1_206TH0126BOG19LMB		0.12				
2	Lexington Reservoir_BOG	NA	350 mm Length-Adjusted	Largemouth Bass	NA	0.55					

Region	Waterbody Name	Location	Sample Type	Common Name	SampleID	Mercury (µg/g ww)	Selenium (µg/g ww)	Sum of PCBs (ng/g ww)	Sum of DDTs (ng/g ww)	Dieldrin (ng/g ww)	Sum of Chlordane (ng/g ww)
2	Lexington Reservoir_BOG	NA	350 mm Length-Adjusted	Spotted Bass	NA	0.70					
2	Lexington Reservoir_BOG	NA	Composite	Largemouth Bass	C1_205PLR144BOG19LMB		0.60				
2	Lexington Reservoir_BOG	NA	Composite	Spotted Bass	C1_205PLR144BOG19SPB		0.72				
2	Oiger Quarry Ponds	NA	350 mm Length-Adjusted	Largemouth Bass	NA	0.46					
2	Oiger Quarry Ponds	NA	Composite	Largemouth Bass	C1_205TU0132BOG19LMB		0.29				
2	Stevens Creek Reservoir	NA	Average of Individuals >=305 mm	Largemouth Bass	NA	0.74					
2	Stevens Creek Reservoir	NA	Composite	Channel Catfish	C1_205PSC048BOG19CHC	1.00	0.12	0			
2	Stevens Creek Reservoir	NA	Composite	Largemouth Bass	C1_205PSC048BOG19LMB		0.70				
3	Lake Nacimiento	L1	350 mm Length-Adjusted L1	Smallmouth Bass	NA	1.15					
3	Lake Nacimiento	L1	Composite L1	Smallmouth Bass	C1_309PLN060L1BOG19SMB		0.42				
3	Lake Nacimiento	L2	350 mm Length-Adjusted L2	Smallmouth Bass	NA	1.10					
3	Lake Nacimiento	L2	Composite L2	Smallmouth Bass	C1_309PLN060L2BOG19SMB		0.34				
3	Lake Nacimiento	L3	350 mm Length-Adjusted L3	Smallmouth Bass	NA	0.95					

Region	Waterbody Name	Location	Sample Type	Common Name	SampleID	Mercury (µg/g ww)	Selenium (µg/g ww)	Sum of PCBs (ng/g ww)	Sum of DDTs (ng/g ww)	Dieldrin (ng/g ww)	Sum of Chlordane (ng/g ww)
3	Lake Nacimiento	L3	Composite L3	Smallmouth Bass	C1_309PLN060L3BOG19SMB		0.43				
3	Lake Nacimiento	NA	Composite	Bluegill	C1_309PLN060BOG19BGL	0.08	0.40				
3	Lake Nacimiento	NA	Composite	Channel Catfish	C1_309PLN060BOG19CHC	0.55	0.22				
3	Lake Nacimiento	NA	Composite	White Catfish	C1_309PLN060BOG19WHC	0.54	0.12				
3	Lake San Antonio	L1	350 mm Length-Adjusted L1	Largemouth Bass	NA	0.23					
3	Lake San Antonio	L1	Composite L1	Largemouth Bass	C1_309PSA164L1BOG19LMB		0.49				
3	Lake San Antonio	L2	350 mm Length-Adjusted L2	Largemouth Bass	NA	0.20					
3	Lake San Antonio	L2	Composite L2	Bluegill	P1_309PSA164L2BOG19BGL	0.01	0.75				
3	Lake San Antonio	L2	Composite L2	Largemouth Bass	C1_309PSA164L2BOG19LMB		0.96				
3	Lake San Antonio	NA	Composite	Bluegill	C1_309PSA164BOG19BGL	0.04	0.71				
4	Echo Lake - Reg 4	NA	350 mm Length-Adjusted	Largemouth Bass	NA	0.16					
4	Echo Lake - Reg 4	NA	Composite	Common Carp	C1_412ECHOLKBOG19CAR	0.03	0.59				
4	Echo Lake - Reg 4	NA	Composite	Largemouth Bass	C1_412ECHOLKBOG19LMB		0.56				
4	Echo Lake - Reg 4	NA	Composite	Redear Sunfish	C1_412ECHOLKBOG19RES	0.02	0.75				

Region	Waterbody Name	Location	Sample Type	Common Name	SampleID	Mercury (µg/g ww)	Selenium (µg/g ww)	Sum of PCBs (ng/g ww)	Sum of DDTs (ng/g ww)	Dieldrin (ng/g ww)	Sum of Chlordane (ng/g ww)
4	Harbor Lake (Lake Machado)	NA	350 mm Length-Adjusted	Largemouth Bass	NA	0.09					
4	Harbor Lake (Lake Machado)	NA	Composite	Common Carp	C1_411HARBLKBOG19CAR	0.03	0.53	0			
4	Harbor Lake (Lake Machado)	NA	Composite	Largemouth Bass	C1_411HARBLKBOG19LMB		0.51				
4	Lake Casitas	L1	350 mm Length-Adjusted L1	Largemouth Bass	NA	0.23					
4	Lake Casitas	L1	Composite L1	Largemouth Bass	C1_402PLC055L1BOG19LMB		4.19				
4	Lake Casitas	L2	350 mm Length-Adjusted L2	Largemouth Bass	NA	0.31					
4	Lake Casitas	L2	Composite L2	Largemouth Bass	C1_402PLC055L2BOG19LMB		1.36				
4	Lake Casitas	NA	Composite	Common Carp	C1_402PLC055BOG19CAR	0.18	2.92	0	0.0	0	0
4	Lake Casitas	NA	Composite	Redear Sunfish	C1_402PLC055BOG19RES	0.07	0.84				
4	Lake Sherwood	NA	350 mm Length-Adjusted	Largemouth Bass	NA	1.07					
4	Lake Sherwood	NA	Composite	Largemouth Bass	C1_404SHERLKBOG19LMB		0.12				
4	Lake Sherwood	NA	Composite	Redear Sunfish	C1_404SHERLKBOG19RES	0.20	0.12				
4	Legg Lake	NA	350 mm Length-Adjusted	Largemouth Bass	NA	0.17					
4	Legg Lake	NA	Composite	Common Carp	C1_412LEGGKBOG19CAR	0.01	0.36	0	7.8	0	0

Region	Waterbody Name	Location	Sample Type	Common Name	SampleID	Mercury (µg/g ww)	Selenium (µg/g ww)	Sum of PCBs (ng/g ww)	Sum of DDTs (ng/g ww)	Dieldrin (ng/g ww)	Sum of Chlordane (ng/g ww)
4	Legg Lake	NA	Composite	Largemouth Bass	C1_412LEGGLKBOG19LMB		0.41	0	0.0	0	0
4	Legg Lake	NA	Composite	Redear Sunfish	C1_412LEGGLKBOG19RES	0.01	0.47	0	0.0	0	0
4	Puddingstone Reservoir_BOG	NA	350 mm Length-Adjusted	Largemouth Bass	NA	0.18					
4	Puddingstone Reservoir_BOG	NA	Composite	Common Carp	C1_405PPS051BOG19CAR	0.09	0.12	0	29.5	0	0
4	Puddingstone Reservoir_BOG	NA	Composite	Common Carp	C2_405PPS051BOG19CAR	0.08	0.12	0	0.0	0	0
4	Puddingstone Reservoir_BOG	NA	Composite	Largemouth Bass	C1_405PPS051BOG19LMB		0.12	0	0.0	0	0
4	Puddingstone Reservoir_BOG	NA	Composite	Redear Sunfish	C1_405PPS051BOG19RES	0.02	0.12	0	0.0	0	0
4	Pyramid Lake	L1	350 mm Length-Adjusted L1	Largemouth Bass	NA	0.55					
4	Pyramid Lake	L1	Average of Individuals L1	Striped Bass	NA	0.31					
4	Pyramid Lake	L1	Composite L1	Bluegill	C1_403PPL039L1BOG19BGL	0.11	0.30				
4	Pyramid Lake	L1	Composite L1	Largemouth Bass	C1_403PPL039L1BOG19LMB		0.27				
4	Pyramid Lake	L2	350 mm Length-Adjusted L2	Largemouth Bass	NA	0.51					
4	Pyramid Lake	L2	Average of Individuals L2	Striped Bass	NA	0.46					
4	Pyramid Lake	L2	Composite L2	Bluegill	C1_403PPL039L2BOG19BGL	0.11	0.25				



Region	Waterbody Name	Location	Sample Type	Common Name	SampleID	Mercury (µg/g ww)	Selenium (µg/g ww)	Sum of PCBs (ng/g ww)	Sum of DDTs (ng/g ww)	Dieldrin (ng/g ww)	Sum of Chlordane (ng/g ww)
4	Pyramid Lake	L2	Composite L2	Largemouth Bass	C1_403PPL039L2BOG19LMB		0.27				
4	Pyramid Lake	NA	Composite	Channel Catfish	C1_403PPL039BOG19CHC	0.23	0.12	0	0.0	0	0
4	Pyramid Lake	NA	Composite	Common Carp	C1_403PPL039BOG19CAR	0.05	0.12	0	0.0	0	0
4	Pyramid Lake	NA	Composite	Striped Bass	C1_403PPL039BOG19STB		0.38	0	0.0	0	0
4	Sepulveda Lake	NA	Composite	Common Carp	C1_412SEPLLKBOG19CAR	0.01	2.78	0	0.0	0	0
4	Sepulveda Lake	NA	Composite	Tilapia spp.	C1_412SEPLLKBOG19TIL	0.00	1.79				
5	Bass Lake	NA	350 mm Length-Adjusted	Spotted Bass	NA	0.35					
5	Bass Lake	NA	Average of Individuals	Kokanee	NA	0.15					
5	Bass Lake	NA	Average of Individuals	Rainbow Trout	NA	0.06					
5	Bass Lake	NA	Composite	Bluegill	C1_540PBL098BOG19BGL	0.06	0.12				
5	Bass Lake	NA	Composite	Kokanee	C1_540PBL098BOG19KOK		0.12				
5	Bass Lake	NA	Composite	Rainbow Trout	C1_540PBL098BOG19RBT		0.12				
5	Bass Lake	NA	Composite	Spotted Bass	C1_540PBL098BOG19SPB		0.12				
5	Black Butte Lake	L1	350 mm Length-Adjusted L1	Largemouth Bass	NA	0.54					

Region	Waterbody Name	Location	Sample Type	Common Name	SampleID	Mercury (µg/g ww)	Selenium (µg/g ww)	Sum of PCBs (ng/g ww)	Sum of DDTs (ng/g ww)	Dieldrin (ng/g ww)	Sum of Chlordane (ng/g ww)
5	Black Butte Lake	L1	Composite L1	Largemouth Bass	C1_504PBB125L1BO G19LMB		2.80				
5	Black Butte Lake	L2	350 mm Length-Adjusted L2	Largemouth Bass	NA	0.55					
5	Black Butte Lake	L2	Composite L2	Largemouth Bass	C1_504PBB125L2BO G19LMB		0.62				
5	Blue Lakes	NA	350 mm Length-Adjusted	Largemouth Bass	NA	0.27					
5	Blue Lakes	NA	Composite	Largemouth Bass	C1_513PBL097BOG1 9LMB		0.12				
5	East Park Reservoir	L1	350 mm Length-Adjusted L1	Largemouth Bass	NA	0.42					
5	East Park Reservoir	L1	Composite L1	Largemouth Bass	C1_522PEP025L1BO G19LMB		0.38				
5	East Park Reservoir	L2	350 mm Length-Adjusted L2	Largemouth Bass	NA	0.36					
5	East Park Reservoir	L2	Composite L2	Largemouth Bass	C1_522PEP025L2BO G19LMB		0.38				
5	Lake Oroville	L1	350 mm Length-Adjusted L1	Spotted Bass	NA	0.44					
5	Lake Oroville	L1	Average of Individuals >=305 mm L1	Largemouth Bass	NA	0.41					
5	Lake Oroville	L1	Composite L1	Spotted Bass	C1_518POV021L1BO G19SPB		0.12				
5	Lake Oroville	L2	350 mm Length-Adjusted L2	Spotted Bass	NA	0.43					

Region	Waterbody Name	Location	Sample Type	Common Name	SampleID	Mercury (µg/g ww)	Selenium (µg/g ww)	Sum of PCBs (ng/g ww)	Sum of DDTs (ng/g ww)	Dieldrin (ng/g ww)	Sum of Chlordane (ng/g ww)
5	Lake Oroville	L2	Composite L2	Spotted Bass	C1_518POV021L2BO G19SPB		0.25				
5	Lake Oroville	L3	350 mm Length- Adjusted L3	Spotted Bass	NA	0.42					
5	Lake Oroville	L3	Average of Individuals >=305 mm L3	Largemouth Bass	NA	0.38					
5	Lake Oroville	L3	Average of Individuals L3	Chinook Salmon	NA	0.33					
5	Lake Oroville	L3	Composite L3	Chinook Salmon	C1_518POV021L3BO G19CHS		0.12	0			
5	Lake Oroville	L3	Composite L3	Spotted Bass	C1_518POV021L3BO G19SPB		0.27				
5	Lake Oroville	L4	350 mm Length- Adjusted L4	Largemouth Bass	NA	0.52					
5	Lake Oroville	L4	Composite L4	Largemouth Bass	C1_518POV021L4BO G19LMB		0.26	0			
5	Modesto Reservoir	L1	350 mm Length- Adjusted L1	Largemouth Bass	NA	0.20					
5	Modesto Reservoir	L1	Composite L1	Largemouth Bass	C1_535PMR063L1B OG19LMB		0.12				
5	Modesto Reservoir	L1	Composite L1	Redear Sunfish	C1_535PMR063L1B OG19RES	0.03	0.24				
5	Modesto Reservoir	L2	Average of Individuals >=305 mm L2	Largemouth Bass	NA	0.17					
5	Modesto Reservoir	L2	Composite L2	Largemouth Bass	C1_535PMR063L2B OG19LMB		0.12				

Region	Waterbody Name	Location	Sample Type	Common Name	SampleID	Mercury (µg/g ww)	Selenium (µg/g ww)	Sum of PCBs (ng/g ww)	Sum of DDTs (ng/g ww)	Dieldrin (ng/g ww)	Sum of Chlordane (ng/g ww)
5	Modesto Reservoir	L2	Composite L2	Redear Sunfish	C1_535PMR063L2B OG19RES	0.04	0.12				
5	San Luis Reservoir	L1	350 mm Length-Adjusted L1	Largemouth Bass	NA	0.44					
5	San Luis Reservoir	L1	Average of Individuals L1	Striped Bass	NA	0.62					
5	San Luis Reservoir	L1	Composite L1	Largemouth Bass	C1_542PLS200L1BO G19LMB		0.36				
5	San Luis Reservoir	L2	350 mm Length-Adjusted L2	Largemouth Bass	NA	0.46					
5	San Luis Reservoir	L2	Average of Individuals L2	Striped Bass	NA	0.42					
5	San Luis Reservoir	L2	Composite L2	Largemouth Bass	C1_542PLS200L2BO G19LMB		0.43				
5	San Luis Reservoir	L3	350 mm Length-Adjusted L3	Largemouth Bass	NA	0.49					
5	San Luis Reservoir	L3	Average of Individuals L3	Striped Bass	NA	0.40					
5	San Luis Reservoir	L3	Composite L3	Largemouth Bass	C1_542PLS200L3BO G19LMB		0.41				
5	San Luis Reservoir	L3	Composite L3	Striped Bass	P1_542PLS200L3BO G19STB	0.05	0.40				
5	San Luis Reservoir	NA	Composite	Common Carp	C1_542PLS200BOG1 9CAR	0.14	0.34	0			
5	San Luis Reservoir	NA	Composite	Striped Bass	C1_542PLS200BOG1 9STB		0.38	0			
5	Scotts Flat Reservoir	NA	350 mm Length-Adjusted	Largemouth Bass	NA	0.50					

Region	Waterbody Name	Location	Sample Type	Common Name	SampleID	Mercury (µg/g ww)	Selenium (µg/g ww)	Sum of PCBs (ng/g ww)	Sum of DDTs (ng/g ww)	Dieldrin (ng/g ww)	Sum of Chlordane (ng/g ww)
5	Scotts Flat Reservoir	NA	Composite	Largemouth Bass	C1_517PSF049BOG1 9LMB		0.25				
5	Siskiyou Lake	NA	Average of Individuals	Brown Trout	NA	0.12	0.12				
5	Siskiyou Lake	NA	Average of Individuals	Rainbow Trout	NA	0.02					
5	Siskiyou Lake	NA	Average of Individuals >=305 mm	Spotted Bass	NA	0.34					
5	Siskiyou Lake	NA	Composite	Rainbow Trout	C1_525PSL186BOG1 9RBT		0.12				
5	Siskiyou Lake	NA	Composite	Spotted Bass	C1_525PSL186BOG1 9SPB		0.12				
5	Slab Creek Reservoir	NA	Average of Individuals	Sacramento Pikeminnow	NA	0.28					
5	Slab Creek Reservoir	NA	Composite	Sacramento Pikeminnow	C1_514SLABCRBOG1 9SPM		0.12				
5	Slab Creek Reservoir	NA	Composite	Sacramento Sucker	C1_514SLABCRBOG1 9SAS	0.30	0.12	0			
5	Thermalito Afterbay	L1	350 mm Length-Adjusted L1	Largemouth Bass	NA	0.18					
5	Thermalito Afterbay	L2	Average of Individuals >=305 mm L2	Largemouth Bass	NA	0.21					
5	Thermalito Afterbay	NA	Composite	Largemouth Bass	C1_515TT0326BOG1 9LMB		0.12	0			
5	Tulloch Reservoir	L1	350 mm Length-Adjusted L1	Largemouth Bass	NA	0.43					

Region	Waterbody Name	Location	Sample Type	Common Name	SampleID	Mercury (µg/g ww)	Selenium (µg/g ww)	Sum of PCBs (ng/g ww)	Sum of DDTs (ng/g ww)	Dieldrin (ng/g ww)	Sum of Chlordane (ng/g ww)
5	Tulloch Reservoir	L1	Composite L1	Bluegill	C1_534PTR111L1BO G19BGL	0.07	0.12				
5	Tulloch Reservoir	L1	Composite L1	Largemouth Bass	C1_534PTR111L1BO G19LMB		0.12				
5	Tulloch Reservoir	L2	Average of Individuals >=305 mm L2	Largemouth Bass	NA	0.81					
5	Tulloch Reservoir	L2	Composite L2	Bluegill	C1_534PTR111L2BO G19BGL		0.12				
5	Tulloch Reservoir	L2	Composite L2	Largemouth Bass	C1_534PTR111L2BO G19LMB		0.12				
5	Wildwood Lake	NA	350 mm Length-Adjusted	Largemouth Bass	NA	0.62					
5	Wildwood Lake	NA	Composite	Common Carp	C1_517WILDWLBOG 19CAR	0.05	0.12	0			
5	Wildwood Lake	NA	Composite	Largemouth Bass	C1_517WILDWLBOG 19LMB		0.12				
5	William Pond (Arden Pond)	NA	350 mm Length-Adjusted	Largemouth Bass	NA	0.77					
5	William Pond (Arden Pond)	NA	Composite	Largemouth Bass	C1_519WILMPDBOG 19LMB		0.12				
5	William Pond (Arden Pond)	NA	Composite	Sacramento Sucker	C1_519WILMPDBOG 19SAS	0.24	0.12	0			
6	Lake Tahoe Keys	NA	350 mm Length-Adjusted	Largemouth Bass	NA	0.18					
6	Lake Tahoe Keys	NA	Composite	Largemouth Bass	C1_634LTKEYSBOG1 9LMB		0.12				

Region	Waterbody Name	Location	Sample Type	Common Name	SampleID	Mercury (µg/g ww)	Selenium (µg/g ww)	Sum of PCBs (ng/g ww)	Sum of DDTs (ng/g ww)	Dieldrin (ng/g ww)	Sum of Chlordane (ng/g ww)
6	Little Rock Reservoir	NA	350 mm Length-Adjusted	Largemouth Bass	NA	1.70					
6	Little Rock Reservoir	NA	Composite	Largemouth Bass	C1_626PLR135BOG19LMB		0.12				
7	Wiest Lake_BOG	NA	350 mm Length-Adjusted	Largemouth Bass	NA	0.03					
7	Wiest Lake_BOG	NA	Composite	Largemouth Bass	C1_723PWT019BOG19LMB		1.29				
8	Lake Hemet	NA	350 mm Length-Adjusted	Largemouth Bass	NA	0.24					
8	Lake Hemet	NA	Average of Individuals	Rainbow Trout	NA	0.04					
8	Lake Hemet	NA	Composite	Largemouth Bass	C1_802PHM003BOG19LMB		0.12				
8	Lake Hemet	NA	Composite	Rainbow Trout	C1_802PHM003BOG19RBT		0.12				
9	Diamond Valley Lake	L1	350 mm Length-Adjusted L1	Largemouth Bass	NA	0.30					
9	Diamond Valley Lake	L1	Composite L1	Flathead Catfish	C1_902DMDVLKL1B OG19FHC	0.33	0.24				
9	Diamond Valley Lake	L1	Composite L1	Largemouth Bass	C1_902DMDVLKL1B OG19LMB		0.39				
9	Diamond Valley Lake	L2	350 mm Length-Adjusted L2	Largemouth Bass	NA	0.26					
9	Diamond Valley Lake	L2	Composite L2	Flathead Catfish	C1_902DMDVLKL2B OG19FHC	0.31	0.12				
9	Diamond Valley Lake	L2	Composite L2	Largemouth Bass	C1_902DMDVLKL2B OG19LMB		0.53				

Region	Waterbody Name	Location	Sample Type	Common Name	SampleID	Mercury (µg/g ww)	Selenium (µg/g ww)	Sum of PCBs (ng/g ww)	Sum of DDTs (ng/g ww)	Dieldrin (ng/g ww)	Sum of Chlordane (ng/g ww)
9	Loveland Res	NA	350 mm Length-Adjusted	Largemouth Bass	NA	0.48					
9	Loveland Res	NA	Composite	Common Carp	C1_909TL0063BOG1 9CAR	0.14	2.04				
9	Loveland Res	NA	Composite	Common Carp	C2_909TL0063BOG1 9CAR	0.19	2.01				
9	Loveland Res	NA	Composite	Largemouth Bass	C1_909TL0063BOG1 9LMB		4.21				
9	Sweetwater Reservoir	NA	350 mm Length-Adjusted	Largemouth Bass	NA	0.24					
9	Sweetwater Reservoir	NA	Composite	Common Carp	C1_909PSW046BOG 19CAR	0.09	3.14				
9	Sweetwater Reservoir	NA	Composite	Common Carp	C2_909PSW046BOG 19CAR	0.11	1.58				
9	Sweetwater Reservoir	NA	Composite	Largemouth Bass	C1_909PSW046BOG 19LMB		0.30				



**Appendix 2b. Summary of prey fish results for the 2019 lakes survey: all samples were composites.**

Region	Waterbody Name	Location	Common Name	SampleID	Mercury (µg/g ww)	Selenium (µg/g ww)
1	Lake Sonoma	L1	Green Sunfish	P1_114PLS121L1BOG19GRS	0.09	0.25
1	Lake Sonoma	L1	Smallmouth Bass	P1_114PLS121L1BOG19SMB	0.12	0.23
1	Lake Sonoma	L1	Spotted Bass	P1_114PLS121L1BOG19SPB	0.10	0.23
1	Lake Sonoma	L2	Bluegill	P1_114PLS121L2BOG19BGL	0.11	0.35
1	Lake Sonoma	L2	Green Sunfish	P1_114PLS121L2BOG19GRS	0.16	0.12
1	Lake Sonoma	L2	Largemouth Bass	P1_114PLS121L2BOG19LMB	0.05	0.28
1	Lake Sonoma	L2	Smallmouth Bass	P1_114PLS121L2BOG19SMB	0.09	0.24
1	Reservoir F	NA	Bluegill	P1_105TF0007BOG19BGL	0.02	0.12
1	Reservoir F	NA	Largemouth Bass	P1_105TF0007BOG19LMB	0.01	0.12
2	Almaden Reservoir	NA	Black Crappie	P1_205ALMDNRBOG19BCR	0.38	0.24
2	Almaden Reservoir	NA	Largemouth Bass	P1_205ALMDNRBOG19LMB	0.45	0.28
2	Almaden Reservoir	NA	Threadfin Shad	P1_205ALMDNRBOG19TFS	0.28	0.12
2	Calaveras Reservoir	L1	Bluegill	P1_204TC0122L1BOG19BGL	0.26	0.30
2	Calaveras Reservoir	L1	Largemouth Bass	P1_204TC0122L1BOG19LMB	0.65	0.29
2	Calaveras Reservoir	L2	Bluegill	P1_204TC0122L2BOG19BGL	0.10	0.12
2	Calaveras Reservoir	L2	Largemouth Bass	P1_204TC0122L2BOG19LMB	0.48	0.12
2	Guadalupe Reservoir-205ST0538	NA	Bluegill	P1_205ST0538BOG19BGL	1.30	0.47
2	Guadalupe Reservoir-205ST0538	NA	Largemouth Bass	P1_205ST0538BOG19LMB	1.86	0.35
2	Lake Chabot (San Leandro)_BOG	NA	Bluegill	P1_204TC0514BOG19BGL	0.07	0.46
2	Lake Chabot (San Leandro)_BOG	NA	Largemouth Bass	P1_204TC0514BOG19LMB	0.03	0.31
2	Lake Chabot (San Leandro)_BOG	NA	Mississippi silverside	P1_204TC0514BOG19MSS	0.18	0.36
2	Lake Henne	NA	Bluegill	P1_206TH0126BOG19BGL	0.06	0.12
2	Lake Henne	NA	Green Sunfish	P1_206TH0126BOG19GRS	0.07	0.12
2	Lexington Reservoir_BOG	NA	Bluegill	P1_205PLR144BOG19BGL	0.10	0.89
2	Lexington Reservoir_BOG	NA	Largemouth Bass	P1_205PLR144BOG19LMB	0.11	0.61
2	Lexington Reservoir_BOG	NA	Mississippi silverside	P1_205PLR144BOG19MSS	0.12	0.82

Region	Waterbody Name	Location	Common Name	SampleID	Mercury (µg/g ww)	Selenium (µg/g ww)
2	Lexington Reservoir_BOG	NA	Threadfin Shad	P1_205PLR144BOG19TFS	0.04	0.68
2	Oiger Quarry Ponds	NA	Largemouth Bass	P1_205TU0132BOG19LMB	0.06	0.43
2	Oiger Quarry Ponds	NA	Sculpin	P1_205TU0132BOG19SCP	0.03	0.32
2	Stevens Creek Reservoir	NA	Bluegill	P1_205PSC048BOG19BGL	0.14	0.63
2	Stevens Creek Reservoir	NA	Largemouth Bass	P1_205PSC048BOG19LMB	0.19	0.63
3	Lake Nacimiento	L1	Bluegill	P1_309PLN060L1BOG19BGL	0.08	0.33
3	Lake Nacimiento	L1	Mississippi silverside	P1_309PLN060L1BOG19MSS	0.32	0.40
3	Lake Nacimiento	L1	Spotted Bass	P1_309PLN060L1BOG19SPB	0.10	0.23
3	Lake Nacimiento	L1	Threadfin Shad	P1_309PLN060L1BOG19TFS	0.13	0.36
3	Lake Nacimiento	L2	Bluegill	P1_309PLN060L2BOG19BGL	0.13	0.26
3	Lake Nacimiento	L2	Smallmouth Bass	P1_309PLN060L2BOG19SMB	0.16	0.50
3	Lake Nacimiento	L2	Threadfin Shad	P1_309PLN060L2BOG19TFS	0.17	0.31
3	Lake Nacimiento	L3	Bluegill	P1_309PLN060L3BOG19BGL	0.07	0.47
3	Lake Nacimiento	L3	Spotted Bass	P1_309PLN060L3BOG19SPB	0.07	0.40
3	Lake Nacimiento	L3	Threadfin Shad	P1_309PLN060L3BOG19TFS	0.11	0.38
3	Lake San Antonio	L1	Bluegill	P1_309PSA164L1BOG19BGL	0.02	0.69
3	Lake San Antonio	L1	Largemouth Bass	P1_309PSA164L1BOG19LMB	0.02	1.01
3	Lake San Antonio	L1	Threadfin Shad	P1_309PSA164L1BOG19TFS	0.03	0.45
3	Lake San Antonio	L2	Largemouth Bass	P1_309PSA164L2BOG19LMB	0.02	0.46
3	Lake San Antonio	L2	Threadfin Shad	P1_309PSA164L2BOG19TFS	0.03	0.45
4	Echo Lake - Reg 4	NA	Bluegill	P1_412ECHOLKBOG19BGL	0.01	0.59
4	Echo Lake - Reg 4	NA	Largemouth Bass	P1_412ECHOLKBOG19LMB	0.01	0.41
4	Harbor Lake (Lake Machado)	NA	Bluegill	P1_411HARBLKBOG19BGL	0.01	0.75
4	Harbor Lake (Lake Machado)	NA	Green Sunfish	P1_411HARBLKBOG19GRS	0.01	0.69
4	Harbor Lake (Lake Machado)	NA	Mississippi silverside	P1_411HARBLKBOG19MSS	0.01	0.73
4	Lake Casitas	L1	Largemouth Bass	P1_402PLC055L1BOG19LMB	0.03	5.42
4	Lake Casitas	L1	Threadfin Shad	P1_402PLC055L1BOG19TFS	0.07	3.31

Region	Waterbody Name	Location	Common Name	SampleID	Mercury (µg/g ww)	Selenium (µg/g ww)
4	Lake Casitas	L2	Largemouth Bass	P1_402PLC055L2BOG19LMB	0.04	0.64
4	Lake Casitas	L2	Threadfin Shad	P1_402PLC055L2BOG19TFS	0.06	0.70
4	Lake Sherwood	NA	Bluegill	P1_404SHERLKBOG19BGL	0.10	0.25
4	Lake Sherwood	NA	Largemouth Bass	P1_404SHERLKBOG19LMB	1.62	0.12
4	Lake Sherwood	NA	Largemouth Bass	P2_404SHERLKBOG19LMB	0.17	1.60
4	Legg Lake	NA	Bluegill	P1_412LEGGLKBOG19BGL	0.01	0.57
4	Legg Lake	NA	Largemouth Bass	P1_412LEGGLKBOG19LMB	0.02	0.51
4	Legg Lake	NA	Mississippi silverside	P1_412LEGGLKBOG19MSS	0.03	0.52
4	Puddingstone Reservoir_BOG	NA	Bluegill	P1_405PPS051BOG19BGL	0.02	0.23
4	Puddingstone Reservoir_BOG	NA	Largemouth Bass	P1_405PPS051BOG19LMB	0.03	0.40
4	Puddingstone Reservoir_BOG	NA	Threadfin Shad	P1_405PPS051BOG19TFS	0.05	0.12
4	Pyramid Lake	L1	Bluegill	P1_403PPL039L1BOG19BGL	0.04	0.12
4	Pyramid Lake	L1	Largemouth Bass	P1_403PPL039L1BOG19LMB	0.05	0.12
4	Pyramid Lake	L2	Largemouth Bass	P1_403PPL039L2BOG19LMB	0.01	0.23
4	Sepulveda Lake	NA	Bluegill	P1_412SEPLLKBOG19BGL	0.01	2.31
4	Sepulveda Lake	NA	Mississippi silverside	P1_412SEPLLKBOG19MSS	0.01	1.86
4	Sepulveda Lake	NA	Tilapia spp.	P1_412SEPLLKBOG19TIL	0.00	2.64
5	Bass Lake	NA	Bluegill	P1_540PBL098BOG19BGL	0.03	0.12
5	Bass Lake	NA	Spotted Bass	P1_540PBL098BOG19SPB	0.04	0.12
5	Black Butte Lake	L1	Black Crappie	P1_504PBB125L1BOG19BCR	0.10	0.31
5	Black Butte Lake	L1	Common Carp	P1_504PBB125L1BOG19CAR	0.10	0.39
5	Black Butte Lake	L1	Largemouth Bass	P1_504PBB125L1BOG19LMB	0.16	0.43
5	Black Butte Lake	L2	Bluegill	P1_504PBB125L2BOG19BGL	0.10	0.43
5	Black Butte Lake	L2	Common Carp	P1_504PBB125L2BOG19CAR	0.09	0.44
5	Black Butte Lake	L2	Largemouth Bass	P1_504PBB125L2BOG19LMB	0.11	0.39
5	Blue Lakes	NA	Bluegill	P1_513PBL097BOG19BGL	0.02	0.29
5	Blue Lakes	NA	Largemouth Bass	P1_513PBL097BOG19LMB	0.01	0.23

Region	Waterbody Name	Location	Common Name	SampleID	Mercury (µg/g ww)	Selenium (µg/g ww)
5	East Park Reservoir	L1	Bluegill	P1_522PEP025L1BOG19BGL	0.05	0.46
5	East Park Reservoir	L1	Largemouth Bass	P1_522PEP025L1BOG19LMB	0.04	0.51
5	East Park Reservoir	L2	Bluegill	P1_522PEP025L2BOG19BGL	0.04	0.38
5	East Park Reservoir	L2	Largemouth Bass	P1_522PEP025L2BOG19LMB	0.02	0.34
5	Lake Oroville	L1	Bluegill	P1_518POV021L1BOG19BGL	0.04	0.30
5	Lake Oroville	L1	Spotted Bass	P1_518POV021L1BOG19SPB	0.04	0.12
5	Lake Oroville	L2	Bluegill	P1_518POV021L2BOG19BGL	0.05	0.33
5	Lake Oroville	L2	Spotted Bass	P1_518POV021L2BOG19SPB	0.06	0.25
5	Lake Oroville	L3	Bluegill	P1_518POV021L3BOG19BGL	0.03	0.24
5	Lake Oroville	L3	Largemouth Bass	P1_518POV021L3BOG19LMB	0.08	0.23
5	Lake Oroville	L4	Bluegill	P1_518POV021L4BOG19BGL	0.06	0.12
5	Lake Oroville	L4	Largemouth Bass	P1_518POV021L4BOG19LMB	0.03	0.24
5	Modesto Reservoir	L1	Bluegill	P1_535PMR063L1BOG19BGL	0.03	0.12
5	Modesto Reservoir	L1	Largemouth Bass	P1_535PMR063L1BOG19LMB	0.04	0.12
5	Modesto Reservoir	L2	Bluegill	P1_535PMR063L2BOG19BGL	0.03	0.12
5	Modesto Reservoir	L2	Largemouth Bass	P1_535PMR063L2BOG19LMB	0.03	0.24
5	Modesto Reservoir	L2	Threadfin Shad	P1_535PMR063L2BOG19TFS	0.02	0.12
5	San Luis Reservoir	L1	Mississippi silverside	P1_542PLS200L1BOG19MSS	0.02	0.31
5	San Luis Reservoir	L1	Sculpin	P1_542PLS200L1BOG19SCP	0.04	0.47
5	San Luis Reservoir	L1	Tule Perch	P1_542PLS200L1BOG19TUP	0.03	0.43
5	San Luis Reservoir	L2	Largemouth Bass	P1_542PLS200L2BOG19LMB	0.07	0.40
5	San Luis Reservoir	L2	Mississippi silverside	P1_542PLS200L2BOG19MSS	0.03	0.12
5	San Luis Reservoir	L2	Sculpin	P1_542PLS200L2BOG19SCP	0.07	0.36
5	San Luis Reservoir	L2	Tule Perch	P1_542PLS200L2BOG19TUP	0.05	0.43
5	San Luis Reservoir	L3	Golden Shiner	P1_542PLS200L3BOG19GLS	0.02	0.42
5	San Luis Reservoir	L3	Sculpin	P1_542PLS200L3BOG19SCP	0.04	0.31
5	Scotts Flat Reservoir	NA	Bluegill	P1_517PSF049BOG19BGL	0.06	0.29

Region	Waterbody Name	Location	Common Name	SampleID	Mercury (µg/g ww)	Selenium (µg/g ww)
5	Scotts Flat Reservoir	NA	Largemouth Bass	P1_517PSF049BOG19LMB	0.08	0.35
5	Siskiyou Lake	NA	Green Sunfish	P1_525PSL186BOG19GRS	0.05	0.12
5	Siskiyou Lake	NA	Spotted Bass	P1_525PSL186BOG19SPB	0.04	0.12
5	Slab Creek Reservoir	NA	Sacramento Pikeminnow	P1_514SLABCRBOG19SPM	0.07	0.12
5	Thermalito Afterbay	L1	Bluegill	P1_515TT0326L1BOG19BGL	0.02	0.12
5	Thermalito Afterbay	L1	Largemouth Bass	P1_515TT0326L1BOG19LMB	0.02	0.12
5	Thermalito Afterbay	L2	Bluegill	P1_515TT0326L2BOG19BGL	0.02	0.12
5	Thermalito Afterbay	L2	Largemouth Bass	P1_515TT0326L2BOG19LMB	0.01	0.12
5	Thermalito Afterbay	L2	Mississippi silverside	P1_515TT0326L2BOG19MSS	0.01	0.12
5	Thermalito Afterbay	L3	Bluegill	P1_515TT0326L3BOG19BGL	0.02	0.12
5	Thermalito Afterbay	L3	Largemouth Bass	P1_515TT0326L3BOG19LMB	0.01	0.12
5	Tulloch Reservoir	L1	Bluegill	P1_534PTR111L1BOG19BGL	0.03	0.23
5	Tulloch Reservoir	L1	Largemouth Bass	P1_534PTR111L1BOG19LMB	0.02	0.12
5	Tulloch Reservoir	L2	Bluegill	P1_534PTR111L2BOG19BGL	0.04	0.12
5	Tulloch Reservoir	L2	Spotted Bass	P1_534PTR111L2BOG19SPB	0.07	0.12
5	Wildwood Lake	NA	Bluegill	P1_517WILDWLBOG19BGL	0.09	0.12
5	Wildwood Lake	NA	Golden Shiner	P1_517WILDWLBOG19GLS	0.07	0.12
5	Wildwood Lake	NA	Largemouth Bass	P1_517WILDWLBOG19LMB	0.08	0.26
5	William Pond (Arden Pond)	NA	Sacramento Pikeminnow	P1_519WILMPDBOG19SPM	0.08	0.27
5	William Pond (Arden Pond)	NA	Sacramento Sucker	P1_519WILMPDBOG19SAS	0.13	0.12
6	Lake Tahoe Keys	NA	Bluegill	P1_634LTKEYSBOG19BGL	0.04	0.12
6	Lake Tahoe Keys	NA	Largemouth Bass	P1_634LTKEYSBOG19LMB	0.04	0.12
7	Wiest Lake_BOG	NA	Bluegill	P1_723PWT019BOG19BGL	0.00	1.13
8	Lake Hemet	NA	Bluegill	P1_802PHM003BOG19BGL	0.07	0.12
8	Lake Hemet	NA	Green Sunfish	P1_802PHM003BOG19GRS	0.05	0.12
8	Lake Hemet	NA	Largemouth Bass	P1_802PHM003BOG19LMB	0.07	0.12
9	Diamond Valley Lake	L1	Bluegill	P1_902DMDVLKL1BOG19BGL	0.03	0.48

<b>Region</b>	<b>Waterbody Name</b>	<b>Location</b>	<b>Common Name</b>	<b>SampleID</b>	<b>Mercury (µg/g ww)</b>	<b>Selenium (µg/g ww)</b>
9	Diamond Valley Lake	L1	Green Sunfish	P1_902DMDVLKL1BOG19GRS	0.03	0.55
9	Diamond Valley Lake	L1	Largemouth Bass	P1_902DMDVLKL1BOG19LMB	0.02	0.49
9	Diamond Valley Lake	L1	Mississippi silverside	P1_902DMDVLKL1BOG19MSS	0.03	0.45
9	Diamond Valley Lake	L2	Bluegill	P1_902DMDVLKL2BOG19BGL	0.02	0.57
9	Diamond Valley Lake	L2	Green Sunfish	P1_902DMDVLKL2BOG19GRS	0.06	0.62
9	Diamond Valley Lake	L2	Largemouth Bass	P1_902DMDVLKL2BOG19LMB	0.02	0.54
9	Loveland Res	NA	Bluegill	P1_909TL0063BOG19BGL	0.03	2.17
9	Loveland Res	NA	Threadfin Shad	P1_909TL0063BOG19TFS	0.04	2.11
9	Sweetwater Reservoir	NA	Bluegill	P1_909PSW046BOG19BGL	0.03	1.98
9	Sweetwater Reservoir	NA	Threadfin Shad	P1_909PSW046BOG19TFS	0.09	1.98

### Appendix 3. Mercury in individual sport fish from the 2019 lakes survey.

Region	Waterbody Name	Location	Common Name	Sample ID	Organism ID	Mercury (µg/g ww)	Total Length (mm)	Age (year)
1	Reservoir F	NA	Largemouth Bass	I_105TF0007BOG19LMB01-01	105TF0007BOG19LMB01-01	0.04	226	3
1	Reservoir F	NA	Largemouth Bass	I_105TF0007BOG19LMB01-02	105TF0007BOG19LMB01-02	0.04	241	4
1	Reservoir F	NA	Largemouth Bass	I_105TF0007BOG19LMB01-03	105TF0007BOG19LMB01-03	0.09	255	6
1	Reservoir F	NA	Largemouth Bass	I_105TF0007BOG19LMB01-04	105TF0007BOG19LMB01-04	0.04	289	5
1	Reservoir F	NA	Largemouth Bass	I_105TF0007BOG19LMB01-05	105TF0007BOG19LMB01-05	0.07	290	6
1	Reservoir F	NA	Largemouth Bass	I_105TF0007BOG19LMB01-06	105TF0007BOG19LMB01-06	0.09	310	7
1	Reservoir F	NA	Largemouth Bass	I_105TF0007BOG19LMB01-07	105TF0007BOG19LMB01-07	0.05	311	7
1	Reservoir F	NA	Largemouth Bass	I_105TF0007BOG19LMB01-08	105TF0007BOG19LMB01-08	0.08	306	6
1	Reservoir F	NA	Largemouth Bass	I_105TF0007BOG19LMB01-09	105TF0007BOG19LMB01-09	0.10	306	6
1	Reservoir F	NA	Largemouth Bass	I_105TF0007BOG19LMB02-01	105TF0007BOG19LMB02-01	0.07	310	7
1	Reservoir F	NA	Largemouth Bass	I_105TF0007BOG19LMB02-02	105TF0007BOG19LMB02-02	0.05	320	8
1	Reservoir F	NA	Largemouth Bass	I_105TF0007BOG19LMB02-03	105TF0007BOG19LMB02-03	0.07	350	9
1	Reservoir F	NA	Largemouth Bass	I_105TF0007BOG19LMB02-04	105TF0007BOG19LMB02-04	0.17	380	10
1	Reservoir F	NA	Largemouth Bass	I_105TF0007BOG19LMB02-05	105TF0007BOG19LMB02-05	0.14	435	13
1	Lake Sonoma	L1	Largemouth Bass	I_114PLS121L1BOG19LMB02-01	114PLS121L1BOG19LMB02-01	0.37	245	3
1	Lake Sonoma	L1	Largemouth Bass	I_114PLS121L1BOG19LMB02-02	114PLS121L1BOG19LMB02-02	0.33	256	5
1	Lake Sonoma	L1	Largemouth Bass	I_114PLS121L1BOG19LMB02-03	114PLS121L1BOG19LMB02-03	0.72	290	6
1	Lake Sonoma	L1	Largemouth Bass	I_114PLS121L1BOG19LMB02-04	114PLS121L1BOG19LMB02-04	0.59	278	4
1	Lake Sonoma	L1	Largemouth Bass	I_114PLS121L1BOG19LMB02-05	114PLS121L1BOG19LMB02-05	1.16	330	7
1	Lake Sonoma	L1	Largemouth Bass	I_114PLS121L1BOG19LMB02-06	114PLS121L1BOG19LMB02-06	1.23	303	5
1	Lake Sonoma	L1	Largemouth Bass	I_114PLS121L1BOG19LMB02-07	114PLS121L1BOG19LMB02-07	0.75	300	5
1	Lake Sonoma	L1	Largemouth Bass	I_114PLS121L1BOG19LMB02-	114PLS121L1BOG19LMB02-	1.28	320	6

Region	Waterbody Name	Location	Common Name	Sample ID	Organism ID	Mercury (µg/g ww)	Total Length (mm)	Age (year)
				08	08			
1	Lake Sonoma	L1	Largemouth Bass	I_114PLS121L1BOG19LMB02-09	114PLS121L1BOG19LMB02-09	1.51	367	8
1	Lake Sonoma	L1	Largemouth Bass	I_114PLS121L1BOG19LMB02-10	114PLS121L1BOG19LMB02-10	1.41	405	11
1	Lake Sonoma	L1	Largemouth Bass	I_114PLS121L1BOG19LMB03-01	114PLS121L1BOG19LMB03-01	2.25	446	14
1	Lake Sonoma	L1	Largemouth Bass	I_114PLS121L1BOG19LMB03-02	114PLS121L1BOG19LMB03-02	2.18	400	12
1	Lake Sonoma	L1	Largemouth Bass	I_114PLS121L1BOG19LMB03-03	114PLS121L1BOG19LMB03-03	1.65	415	13
1	Lake Sonoma	L1	Largemouth Bass	I_114PLS121L1BOG19LMB03-04	114PLS121L1BOG19LMB03-04	1.16	391	10
1	Lake Sonoma	L2	Largemouth Bass	I_114PLS121L2BOG19LMB02-01	114PLS121L2BOG19LMB02-01	0.32	205	2
1	Lake Sonoma	L2	Largemouth Bass	I_114PLS121L2BOG19LMB02-02	114PLS121L2BOG19LMB02-02	0.40	225	3
1	Lake Sonoma	L2	Largemouth Bass	I_114PLS121L2BOG19LMB02-03	114PLS121L2BOG19LMB02-03	0.61	282	4
1	Lake Sonoma	L2	Largemouth Bass	I_114PLS121L2BOG19LMB02-04	114PLS121L2BOG19LMB02-04	0.62	315	6
1	Lake Sonoma	L2	Largemouth Bass	I_114PLS121L2BOG19LMB02-05	114PLS121L2BOG19LMB02-05	0.72	314	6
1	Lake Sonoma	L2	Largemouth Bass	I_114PLS121L2BOG19LMB02-06	114PLS121L2BOG19LMB02-06	0.70	302	5
1	Lake Sonoma	L2	Largemouth Bass	I_114PLS121L2BOG19LMB02-07	114PLS121L2BOG19LMB02-07	0.66	325	7
1	Lake Sonoma	L2	Largemouth Bass	I_114PLS121L2BOG19LMB02-08	114PLS121L2BOG19LMB02-08	0.88	358	9
1	Lake Sonoma	L2	Largemouth Bass	I_114PLS121L2BOG19LMB02-09	114PLS121L2BOG19LMB02-09	1.27	375	10
1	Lake Sonoma	L2	Largemouth Bass	I_114PLS121L2BOG19LMB02-10	114PLS121L2BOG19LMB02-10	1.04	366	10



Region	Waterbody Name	Location	Common Name	Sample ID	Organism ID	Mercury (µg/g ww)	Total Length (mm)	Age (year)
1	Lake Sonoma	L2	Largemouth Bass	I_114PLS121L2BOG19LMB03-01	114PLS121L2BOG19LMB03-01	1.47	362	10
1	Lake Sonoma	L2	Largemouth Bass	I_114PLS121L2BOG19LMB03-02	114PLS121L2BOG19LMB03-02	0.95	407	11
1	Lake Sonoma	L2	Largemouth Bass	I_114PLS121L2BOG19LMB03-03	114PLS121L2BOG19LMB03-03	1.58	406	11
1	Lake Sonoma	L2	Largemouth Bass	I_114PLS121L2BOG19LMB03-04	114PLS121L2BOG19LMB03-04	1.59	458	14
2	Calaveras Reservoir	L1	Largemouth Bass	I_204TC0122L1BOG19LMB02-01	204TC0122L1BOG19LMB02-01	0.75	207	2
2	Calaveras Reservoir	L1	Largemouth Bass	I_204TC0122L1BOG19LMB02-02	204TC0122L1BOG19LMB02-02	0.83	210	3
2	Calaveras Reservoir	L1	Largemouth Bass	I_204TC0122L1BOG19LMB02-03	204TC0122L1BOG19LMB02-03	1.14	252	4
2	Calaveras Reservoir	L1	Largemouth Bass	I_204TC0122L1BOG19LMB02-04	204TC0122L1BOG19LMB02-04	0.87	272	4
2	Calaveras Reservoir	L1	Largemouth Bass	I_204TC0122L1BOG19LMB02-05	204TC0122L1BOG19LMB02-05	0.78	354	8
2	Calaveras Reservoir	L1	Largemouth Bass	I_204TC0122L1BOG19LMB02-06	204TC0122L1BOG19LMB02-06	0.76	390	9
2	Calaveras Reservoir	L1	Largemouth Bass	I_204TC0122L1BOG19LMB02-07	204TC0122L1BOG19LMB02-07	0.77	385	9
2	Calaveras Reservoir	L1	Largemouth Bass	I_204TC0122L1BOG19LMB02-08	204TC0122L1BOG19LMB02-08	1.23	401	11
2	Calaveras Reservoir	L1	Largemouth Bass	I_204TC0122L1BOG19LMB02-09	204TC0122L1BOG19LMB02-09	1.09	401	10
2	Calaveras Reservoir	L1	Largemouth Bass	I_204TC0122L1BOG19LMB03-01	204TC0122L1BOG19LMB03-01	1.14	404	11
2	Calaveras Reservoir	L1	Largemouth Bass	I_204TC0122L1BOG19LMB03-02	204TC0122L1BOG19LMB03-02	1.10	405	11
2	Calaveras Reservoir	L1	Largemouth Bass	I_204TC0122L1BOG19LMB03-03	204TC0122L1BOG19LMB03-03	0.95	415	12
2	Calaveras Reservoir	L1	Largemouth Bass	I_204TC0122L1BOG19LMB03-	204TC0122L1BOG19LMB03-	1.30	430	14

Region	Waterbody Name	Location	Common Name	Sample ID	Organism ID	Mercury (µg/g ww)	Total Length (mm)	Age (year)
				04	04			
2	Calaveras Reservoir	L1	Largemouth Bass	I_204TC0122L1BOG19LMB03-05	204TC0122L1BOG19LMB03-05	1.73	475	15
2	Calaveras Reservoir	L2	Largemouth Bass	I_204TC0122L2BOG19LMB02-01	204TC0122L2BOG19LMB02-01	0.62	230	3
2	Calaveras Reservoir	L2	Largemouth Bass	I_204TC0122L2BOG19LMB02-02	204TC0122L2BOG19LMB02-02	0.61	246	3
2	Calaveras Reservoir	L2	Largemouth Bass	I_204TC0122L2BOG19LMB02-03	204TC0122L2BOG19LMB02-03	0.54	259	4
2	Calaveras Reservoir	L2	Largemouth Bass	I_204TC0122L2BOG19LMB02-04	204TC0122L2BOG19LMB02-04	0.96	299	6
2	Calaveras Reservoir	L2	Largemouth Bass	I_204TC0122L2BOG19LMB02-05	204TC0122L2BOG19LMB02-05	0.90	402	10
2	Calaveras Reservoir	L2	Largemouth Bass	I_204TC0122L2BOG19LMB02-06	204TC0122L2BOG19LMB02-06	1.37	390	9
2	Calaveras Reservoir	L2	Largemouth Bass	I_204TC0122L2BOG19LMB02-07	204TC0122L2BOG19LMB02-07	0.99	405	10
2	Calaveras Reservoir	L2	Largemouth Bass	I_204TC0122L2BOG19LMB02-08	204TC0122L2BOG19LMB02-08	1.16	405	10
2	Calaveras Reservoir	L2	Largemouth Bass	I_204TC0122L2BOG19LMB02-09	204TC0122L2BOG19LMB02-09	1.32	404	10
2	Calaveras Reservoir	L2	Largemouth Bass	I_204TC0122L2BOG19LMB03-01	204TC0122L2BOG19LMB03-01	1.13	402	10
2	Calaveras Reservoir	L2	Largemouth Bass	I_204TC0122L2BOG19LMB03-02	204TC0122L2BOG19LMB03-02	0.82	394	10
2	Calaveras Reservoir	L2	Largemouth Bass	I_204TC0122L2BOG19LMB03-03	204TC0122L2BOG19LMB03-03	1.17	412	9
2	Calaveras Reservoir	L2	Largemouth Bass	I_204TC0122L2BOG19LMB03-04	204TC0122L2BOG19LMB03-04	0.92	435	11
2	Calaveras Reservoir	L2	Largemouth Bass	I_204TC0122L2BOG19LMB03-05	204TC0122L2BOG19LMB03-05	0.90	436	12
2	Lake Chabot (San Leandro)_BOG	NA	Largemouth Bass	I_204TC0514BOG19LMB01-01	204TC0514BOG19LMB01-01	0.52	209	3

Region	Waterbody Name	Location	Common Name	Sample ID	Organism ID	Mercury (µg/g ww)	Total Length (mm)	Age (year)
2	Lake Chabot (San Leandro)_BOG	NA	Largemouth Bass	I_204TC0514BOG19LMB01-02	204TC0514BOG19LMB01-02	0.51	245	3
2	Lake Chabot (San Leandro)_BOG	NA	Largemouth Bass	I_204TC0514BOG19LMB01-03	204TC0514BOG19LMB01-03	0.55	262	3
2	Lake Chabot (San Leandro)_BOG	NA	Largemouth Bass	I_204TC0514BOG19LMB01-04	204TC0514BOG19LMB01-04	0.52	266	4
2	Lake Chabot (San Leandro)_BOG	NA	Largemouth Bass	I_204TC0514BOG19LMB01-05	204TC0514BOG19LMB01-05	0.88	311	5
2	Lake Chabot (San Leandro)_BOG	NA	Largemouth Bass	I_204TC0514BOG19LMB01-06	204TC0514BOG19LMB01-06	0.78	342	6
2	Lake Chabot (San Leandro)_BOG	NA	Largemouth Bass	I_204TC0514BOG19LMB01-07	204TC0514BOG19LMB01-07	0.96	334	5
2	Lake Chabot (San Leandro)_BOG	NA	Largemouth Bass	I_204TC0514BOG19LMB01-08	204TC0514BOG19LMB01-08	0.96	350	6
2	Lake Chabot (San Leandro)_BOG	NA	Largemouth Bass	I_204TC0514BOG19LMB01-09	204TC0514BOG19LMB01-09	1.21	362	7
2	Lake Chabot (San Leandro)_BOG	NA	Largemouth Bass	I_204TC0514BOG19LMB02-01	204TC0514BOG19LMB02-01	0.65	342	6
2	Lake Chabot (San Leandro)_BOG	NA	Largemouth Bass	I_204TC0514BOG19LMB02-02	204TC0514BOG19LMB02-02	0.88	382	8
2	Lake Chabot (San Leandro)_BOG	NA	Largemouth Bass	I_204TC0514BOG19LMB02-03	204TC0514BOG19LMB02-03	1.52	408	9
2	Lake Chabot (San Leandro)_BOG	NA	Largemouth Bass	I_204TC0514BOG19LMB02-04	204TC0514BOG19LMB02-04	1.55	445	10
2	Lake Chabot (San Leandro)_BOG	NA	Largemouth Bass	I_204TC0514BOG19LMB02-05	204TC0514BOG19LMB02-05	0.99	475	12
2	Almaden Reservoir	NA	Largemouth Bass	I_205ALMDNRBOG19LMB02-01	205ALMDNRBOG19LMB02-01	1.62	221	3
2	Almaden Reservoir	NA	Largemouth Bass	I_205ALMDNRBOG19LMB02-02	205ALMDNRBOG19LMB02-02	2.14	245	3
2	Almaden Reservoir	NA	Largemouth Bass	I_205ALMDNRBOG19LMB02-03	205ALMDNRBOG19LMB02-03	1.32	260	4
2	Almaden Reservoir	NA	Largemouth Bass	I_205ALMDNRBOG19LMB02-	205ALMDNRBOG19LMB02-	2.02	252	4

Region	Waterbody Name	Location	Common Name	Sample ID	Organism ID	Mercury (µg/g ww)	Total Length (mm)	Age (year)
				04	04			
2	Almaden Reservoir	NA	Largemouth Bass	I_205ALMDNRBOG19LMB02-05	205ALMDNRBOG19LMB02-05	1.94	337	8
2	Almaden Reservoir	NA	Largemouth Bass	I_205ALMDNRBOG19LMB02-06	205ALMDNRBOG19LMB02-06	2.90	364	9
2	Almaden Reservoir	NA	Largemouth Bass	I_205ALMDNRBOG19LMB02-07	205ALMDNRBOG19LMB02-07	2.21	378	10
2	Almaden Reservoir	NA	Largemouth Bass	I_205ALMDNRBOG19LMB03-01	205ALMDNRBOG19LMB03-01	5.23	406	12
2	Almaden Reservoir	NA	Largemouth Bass	I_205ALMDNRBOG19LMB03-02	205ALMDNRBOG19LMB03-02	3.46	401	11
2	Almaden Reservoir	NA	Largemouth Bass	I_205ALMDNRBOG19LMB03-03	205ALMDNRBOG19LMB03-03	3.84	393	10
2	Almaden Reservoir	NA	Largemouth Bass	I_205ALMDNRBOG19LMB03-04	205ALMDNRBOG19LMB03-04	1.76	371	9
2	Almaden Reservoir	NA	Largemouth Bass	I_205ALMDNRBOG19LMB04-01	205ALMDNRBOG19LMB04-01	3.84	460	14
2	Almaden Reservoir	NA	Largemouth Bass	I_205ALMDNRBOG19LMB04-02	205ALMDNRBOG19LMB04-02	3.16	441	13
2	Almaden Reservoir	NA	Largemouth Bass	I_205ALMDNRBOG19LMB04-03	205ALMDNRBOG19LMB04-03	3.27	449	14
2	Almaden Reservoir	NA	Redear Sunfish	I_205ALMDNRBOG19RES01-01	205ALMDNRBOG19RES01-01	1.25	125	
2	Almaden Reservoir	NA	Redear Sunfish	I_205ALMDNRBOG19RES01-02	205ALMDNRBOG19RES01-02	0.47	116	
2	Almaden Reservoir	NA	Redear Sunfish	I_205ALMDNRBOG19RES01-03	205ALMDNRBOG19RES01-03	1.34	120	
2	Almaden Reservoir	NA	Redear Sunfish	I_205ALMDNRBOG19RES01-04	205ALMDNRBOG19RES01-04	1.40	132	
2	Lexington Reservoir_BOG	NA	Largemouth Bass	I_205PLR144BOG19LMB02-01	205PLR144BOG19LMB02-01	0.29	247	5
2	Lexington Reservoir_BOG	NA	Largemouth Bass	I_205PLR144BOG19LMB02-02	205PLR144BOG19LMB02-02	0.51	311	8
2	Lexington Reservoir_BOG	NA	Largemouth Bass	I_205PLR144BOG19LMB02-03	205PLR144BOG19LMB02-03	0.47	317	9
2	Lexington	NA	Largemouth Bass	I_205PLR144BOG19LMB02-04	205PLR144BOG19LMB02-04	0.70	329	10

Region	Waterbody Name	Location	Common Name	Sample ID	Organism ID	Mercury (µg/g ww)	Total Length (mm)	Age (year)
	Reservoir_BOG							
2	Lexington Reservoir_BOG	NA	Largemouth Bass	I_205PLR144BOG19LMB02-05	205PLR144BOG19LMB02-05	0.46	340	11
2	Lexington Reservoir_BOG	NA	Largemouth Bass	I_205PLR144BOG19LMB02-06	205PLR144BOG19LMB02-06	0.59	376	12
2	Lexington Reservoir_BOG	NA	Largemouth Bass	I_205PLR144BOG19LMB02-07	205PLR144BOG19LMB02-07	0.47	394	13
2	Lexington Reservoir_BOG	NA	Largemouth Bass	I_205PLR144BOG19LMB02-08	205PLR144BOG19LMB02-08	0.77	432	14
2	Lexington Reservoir_BOG	NA	Largemouth Bass	I_205PLR144BOG19LMB03-01	205PLR144BOG19LMB03-01	0.76	444	15
2	Lexington Reservoir_BOG	NA	Largemouth Bass	I_205PLR144BOG19LMB03-02	205PLR144BOG19LMB03-02	0.76	441	15
2	Lexington Reservoir_BOG	NA	Largemouth Bass	I_205PLR144BOG19LMB03-03	205PLR144BOG19LMB03-03	0.80	432	15
2	Lexington Reservoir_BOG	NA	Largemouth Bass	I_205PLR144BOG19LMB03-04	205PLR144BOG19LMB03-04	0.67	425	14
2	Lexington Reservoir_BOG	NA	Spotted Bass	I_205PLR144BOG19SPB01-01	205PLR144BOG19SPB01-01	0.18	229	3
2	Lexington Reservoir_BOG	NA	Spotted Bass	I_205PLR144BOG19SPB01-02	205PLR144BOG19SPB01-02	0.15	239	4
2	Lexington Reservoir_BOG	NA	Spotted Bass	I_205PLR144BOG19SPB01-03	205PLR144BOG19SPB01-03	0.23	286	5
2	Lexington Reservoir_BOG	NA	Spotted Bass	I_205PLR144BOG19SPB01-04	205PLR144BOG19SPB01-04	0.33	273	5
2	Lexington Reservoir_BOG	NA	Spotted Bass	I_205PLR144BOG19SPB01-05	205PLR144BOG19SPB01-05	0.86	372	9
2	Lexington Reservoir_BOG	NA	Spotted Bass	I_205PLR144BOG19SPB01-06	205PLR144BOG19SPB01-06	0.80	356	8
2	Lexington Reservoir_BOG	NA	Spotted Bass	I_205PLR144BOG19SPB01-07	205PLR144BOG19SPB01-07	0.71	360	8
2	Lexington Reservoir_BOG	NA	Spotted Bass	I_205PLR144BOG19SPB01-08	205PLR144BOG19SPB01-08	0.85	365	8

Region	Waterbody Name	Location	Common Name	Sample ID	Organism ID	Mercury (µg/g ww)	Total Length (mm)	Age (year)
2	Lexington Reservoir_BOG	NA	Spotted Bass	I_205PLR144BOG19SPB01-09	205PLR144BOG19SPB01-09	0.76	352	8
2	Lexington Reservoir_BOG	NA	Spotted Bass	I_205PLR144BOG19SPB02-01	205PLR144BOG19SPB02-01	0.69	390	10
2	Lexington Reservoir_BOG	NA	Spotted Bass	I_205PLR144BOG19SPB02-02	205PLR144BOG19SPB02-02	1.27	390	10
2	Lexington Reservoir_BOG	NA	Spotted Bass	I_205PLR144BOG19SPB02-03	205PLR144BOG19SPB02-03	0.80	377	9
2	Lexington Reservoir_BOG	NA	Spotted Bass	I_205PLR144BOG19SPB02-04	205PLR144BOG19SPB02-04	1.01	419	11
2	Lexington Reservoir_BOG	NA	Spotted Bass	I_205PLR144BOG19SPB02-05	205PLR144BOG19SPB02-05	1.26	499	14
2	Stevens Creek Reservoir	NA	Largemouth Bass	I_205PSC048BOG19LMB02-01	205PSC048BOG19LMB02-01	0.71	208	2
2	Stevens Creek Reservoir	NA	Largemouth Bass	I_205PSC048BOG19LMB02-02	205PSC048BOG19LMB02-02	0.55	219	4
2	Stevens Creek Reservoir	NA	Largemouth Bass	I_205PSC048BOG19LMB02-03	205PSC048BOG19LMB02-03	0.59	284	6
2	Stevens Creek Reservoir	NA	Largemouth Bass	I_205PSC048BOG19LMB02-04	205PSC048BOG19LMB02-04	0.70	270	6
2	Stevens Creek Reservoir	NA	Largemouth Bass	I_205PSC048BOG19LMB02-05	205PSC048BOG19LMB02-05	0.57	330	8
2	Stevens Creek Reservoir	NA	Largemouth Bass	I_205PSC048BOG19LMB02-06	205PSC048BOG19LMB02-06	0.54	328	8
2	Stevens Creek Reservoir	NA	Largemouth Bass	I_205PSC048BOG19LMB02-07	205PSC048BOG19LMB02-07	0.85	377	10
2	Stevens Creek Reservoir	NA	Largemouth Bass	I_205PSC048BOG19LMB02-08	205PSC048BOG19LMB02-08	0.79	379	10
2	Stevens Creek Reservoir	NA	Largemouth Bass	I_205PSC048BOG19LMB03-01	205PSC048BOG19LMB03-01	0.62	375	9
2	Stevens Creek Reservoir	NA	Largemouth Bass	I_205PSC048BOG19LMB03-02	205PSC048BOG19LMB03-02	0.79	363	9
2	Stevens Creek Reservoir	NA	Largemouth Bass	I_205PSC048BOG19LMB03-03	205PSC048BOG19LMB03-03	0.50	382	9

Region	Waterbody Name	Location	Common Name	Sample ID	Organism ID	Mercury (µg/g ww)	Total Length (mm)	Age (year)
	Reservoir							
2	Stevens Creek Reservoir	NA	Largemouth Bass	I_205PSC048BOG19LMB03-04	205PSC048BOG19LMB03-04	0.84	431	13
2	Stevens Creek Reservoir	NA	Largemouth Bass	I_205PSC048BOG19LMB04-01	205PSC048BOG19LMB04-01	0.69	458	14
2	Stevens Creek Reservoir	NA	Largemouth Bass	I_205PSC048BOG19LMB04-02	205PSC048BOG19LMB04-02	1.21	462	15
2	Guadalupe Reservoir-205ST0538	NA	Bluegill	I_205ST0538BOG19BGL02-01	205ST0538BOG19BGL02-01	1.21	143	
2	Guadalupe Reservoir-205ST0538	NA	Bluegill	I_205ST0538BOG19BGL02-02	205ST0538BOG19BGL02-02	0.89	130	
2	Guadalupe Reservoir-205ST0538	NA	Bluegill	I_205ST0538BOG19BGL02-03	205ST0538BOG19BGL02-03	1.09	130	
2	Guadalupe Reservoir-205ST0538	NA	Bluegill	I_205ST0538BOG19BGL02-04	205ST0538BOG19BGL02-04	0.96	121	
2	Guadalupe Reservoir-205ST0538	NA	Bluegill	I_205ST0538BOG19BGL02-05	205ST0538BOG19BGL02-05	1.02	119	
2	Guadalupe Reservoir-205ST0538	NA	Largemouth Bass	I_205ST0538BOG19LMB02-01	205ST0538BOG19LMB02-01	2.54	238	3
2	Guadalupe Reservoir-205ST0538	NA	Largemouth Bass	I_205ST0538BOG19LMB02-02	205ST0538BOG19LMB02-02	4.93	239	3
2	Guadalupe Reservoir-205ST0538	NA	Largemouth Bass	I_205ST0538BOG19LMB02-03	205ST0538BOG19LMB02-03	3.33	255	4
2	Guadalupe Reservoir-	NA	Largemouth Bass	I_205ST0538BOG19LMB02-04	205ST0538BOG19LMB02-04	4.55	270	4

Region	Waterbody Name	Location	Common Name	Sample ID	Organism ID	Mercury (µg/g ww)	Total Length (mm)	Age (year)
	205ST0538							
2	Guadalupe Reservoir-205ST0538	NA	Largemouth Bass	I_205ST0538BOG19LMB02-05	205ST0538BOG19LMB02-05	3.56	312	5
2	Guadalupe Reservoir-205ST0538	NA	Largemouth Bass	I_205ST0538BOG19LMB02-06	205ST0538BOG19LMB02-06	2.90	342	7
2	Guadalupe Reservoir-205ST0538	NA	Largemouth Bass	I_205ST0538BOG19LMB02-07	205ST0538BOG19LMB02-07	3.00	343	7
2	Guadalupe Reservoir-205ST0538	NA	Largemouth Bass	I_205ST0538BOG19LMB02-08	205ST0538BOG19LMB02-08	4.38	368	8
2	Guadalupe Reservoir-205ST0538	NA	Largemouth Bass	I_205ST0538BOG19LMB02-09	205ST0538BOG19LMB02-09	5.04	366	8
2	Guadalupe Reservoir-205ST0538	NA	Largemouth Bass	I_205ST0538BOG19LMB02-10	205ST0538BOG19LMB02-10	4.43	375	9
2	Guadalupe Reservoir-205ST0538	NA	Largemouth Bass	I_205ST0538BOG19LMB03-01	205ST0538BOG19LMB03-01	3.95	386	9
2	Guadalupe Reservoir-205ST0538	NA	Largemouth Bass	I_205ST0538BOG19LMB03-02	205ST0538BOG19LMB03-02	3.96	389	9
2	Guadalupe Reservoir-205ST0538	NA	Largemouth Bass	I_205ST0538BOG19LMB03-03	205ST0538BOG19LMB03-03	3.04	433	11
2	Guadalupe Reservoir-205ST0538	NA	Largemouth Bass	I_205ST0538BOG19LMB04-01	205ST0538BOG19LMB04-01	4.46	419	10
2	Guadalupe Reservoir-	NA	Largemouth Bass	I_205ST0538BOG19LMB04-02	205ST0538BOG19LMB04-02	10.90	571	15



Region	Waterbody Name	Location	Common Name	Sample ID	Organism ID	Mercury (µg/g ww)	Total Length (mm)	Age (year)
	205ST0538							
2	Guadalupe Reservoir-205ST0538	NA	Rainbow Trout	I_205ST0538BOG19RBT01-01	205ST0538BOG19RBT01-01	3.27	251	
2	Guadalupe Reservoir-205ST0538	NA	Rainbow Trout	I_205ST0538BOG19RBT01-02	205ST0538BOG19RBT01-02	4.85	247	
2	Guadalupe Reservoir-205ST0538	NA	Rainbow Trout	I_205ST0538BOG19RBT01-03	205ST0538BOG19RBT01-03	3.34	268	
2	Guadalupe Reservoir-205ST0538	NA	Rainbow Trout	I_205ST0538BOG19RBT01-04	205ST0538BOG19RBT01-04	3.80	244	
2	Oiger Quarry Ponds	NA	Largemouth Bass	I_205TU0132BOG19LMB02-01	205TU0132BOG19LMB02-01	0.08	208	2
2	Oiger Quarry Ponds	NA	Largemouth Bass	I_205TU0132BOG19LMB02-02	205TU0132BOG19LMB02-02	0.09	223	3
2	Oiger Quarry Ponds	NA	Largemouth Bass	I_205TU0132BOG19LMB02-03	205TU0132BOG19LMB02-03	0.13	251	5
2	Oiger Quarry Ponds	NA	Largemouth Bass	I_205TU0132BOG19LMB02-04	205TU0132BOG19LMB02-04	0.16	260	5
2	Oiger Quarry Ponds	NA	Largemouth Bass	I_205TU0132BOG19LMB02-05	205TU0132BOG19LMB02-05	0.52	333	8
2	Oiger Quarry Ponds	NA	Largemouth Bass	I_205TU0132BOG19LMB02-06	205TU0132BOG19LMB02-06	0.47	360	9
2	Oiger Quarry Ponds	NA	Largemouth Bass	I_205TU0132BOG19LMB02-07	205TU0132BOG19LMB02-07	0.67	365	9
2	Oiger Quarry Ponds	NA	Largemouth Bass	I_205TU0132BOG19LMB02-08	205TU0132BOG19LMB02-08	0.43	358	9
2	Oiger Quarry Ponds	NA	Largemouth Bass	I_205TU0132BOG19LMB02-09	205TU0132BOG19LMB02-09	0.52	341	8
2	Oiger Quarry Ponds	NA	Largemouth Bass	I_205TU0132BOG19LMB03-01	205TU0132BOG19LMB03-01	0.19	360	9
2	Oiger Quarry Ponds	NA	Largemouth Bass	I_205TU0132BOG19LMB03-02	205TU0132BOG19LMB03-02	0.74	390	10
2	Oiger Quarry Ponds	NA	Largemouth Bass	I_205TU0132BOG19LMB03-03	205TU0132BOG19LMB03-03	0.65	409	12
2	Oiger Quarry Ponds	NA	Largemouth Bass	I_205TU0132BOG19LMB03-04	205TU0132BOG19LMB03-04	0.64	416	12
2	Oiger Quarry Ponds	NA	Largemouth Bass	I_205TU0132BOG19LMB03-05	205TU0132BOG19LMB03-05	0.70	476	14
2	Lake Henne	NA	Largemouth Bass	I_206TH0126BOG19LMB01-01	206TH0126BOG19LMB01-01	0.26	205	2
2	Lake Henne	NA	Largemouth Bass	I_206TH0126BOG19LMB01-02	206TH0126BOG19LMB01-02	0.26	220	3
2	Lake Henne	NA	Largemouth Bass	I_206TH0126BOG19LMB01-03	206TH0126BOG19LMB01-03	0.57	263	4

Region	Waterbody Name	Location	Common Name	Sample ID	Organism ID	Mercury (µg/g ww)	Total Length (mm)	Age (year)
2	Lake Henne	NA	Largemouth Bass	I_206TH0126BOG19LMB01-04	206TH0126BOG19LMB01-04	0.57	253	5
2	Lake Henne	NA	Largemouth Bass	I_206TH0126BOG19LMB01-05	206TH0126BOG19LMB01-05	0.34	305	5
2	Lake Henne	NA	Largemouth Bass	I_206TH0126BOG19LMB01-06	206TH0126BOG19LMB01-06	0.42	315	6
2	Lake Henne	NA	Largemouth Bass	I_206TH0126BOG19LMB01-07	206TH0126BOG19LMB01-07	0.32	320	6
2	Lake Henne	NA	Largemouth Bass	I_206TH0126BOG19LMB01-08	206TH0126BOG19LMB01-08	0.40	320	6
2	Lake Henne	NA	Largemouth Bass	I_206TH0126BOG19LMB01-09	206TH0126BOG19LMB01-09	0.33	322	7
2	Lake Henne	NA	Largemouth Bass	I_206TH0126BOG19LMB02-01	206TH0126BOG19LMB02-01	0.63	312	7
2	Lake Henne	NA	Largemouth Bass	I_206TH0126BOG19LMB02-02	206TH0126BOG19LMB02-02	0.42	350	8
2	Lake Henne	NA	Largemouth Bass	I_206TH0126BOG19LMB02-03	206TH0126BOG19LMB02-03	0.78	415	10
2	Lake Henne	NA	Largemouth Bass	I_206TH0126BOG19LMB02-04	206TH0126BOG19LMB02-04	1.02	485	13
2	Lake Henne	NA	Largemouth Bass	I_206TH0126BOG19LMB02-05	206TH0126BOG19LMB02-05	0.75	485	13
3	Lake Nacimiento	L1	Smallmouth Bass	I_309PLN060L1BOG19SMB01-01	309PLN060L1BOG19SMB01-01	0.39	222	3
3	Lake Nacimiento	L1	Smallmouth Bass	I_309PLN060L1BOG19SMB01-02	309PLN060L1BOG19SMB01-02	0.29	231	3
3	Lake Nacimiento	L1	Smallmouth Bass	I_309PLN060L1BOG19SMB01-03	309PLN060L1BOG19SMB01-03	0.33	245	3
3	Lake Nacimiento	L1	Smallmouth Bass	I_309PLN060L1BOG19SMB01-04	309PLN060L1BOG19SMB01-04	0.44	274	5
3	Lake Nacimiento	L1	Smallmouth Bass	I_309PLN060L1BOG19SMB01-05	309PLN060L1BOG19SMB01-05	0.86	273	4
3	Lake Nacimiento	L1	Smallmouth Bass	I_309PLN060L1BOG19SMB01-06	309PLN060L1BOG19SMB01-06	0.41	258	4
3	Lake Nacimiento	L1	Smallmouth Bass	I_309PLN060L1BOG19SMB03-01	309PLN060L1BOG19SMB03-01	0.93	310	5
3	Lake Nacimiento	L1	Smallmouth Bass	I_309PLN060L1BOG19SMB03-02	309PLN060L1BOG19SMB03-02	0.86	319	5
3	Lake Nacimiento	L1	Smallmouth Bass	I_309PLN060L1BOG19SMB03-03	309PLN060L1BOG19SMB03-03	0.79	329	6
3	Lake Nacimiento	L1	Smallmouth Bass	I_309PLN060L1BOG19SMB03-04	309PLN060L1BOG19SMB03-04	1.28	333	6

Region	Waterbody Name	Location	Common Name	Sample ID	Organism ID	Mercury (µg/g ww)	Total Length (mm)	Age (year)
3	Lake Nacimiento	L2	Smallmouth Bass	I_309PLN060L2BOG19SMB02-01	309PLN060L2BOG19SMB02-01	0.38	248	3
3	Lake Nacimiento	L2	Smallmouth Bass	I_309PLN060L2BOG19SMB02-02	309PLN060L2BOG19SMB02-02	1.28	294	5
3	Lake Nacimiento	L2	Smallmouth Bass	I_309PLN060L2BOG19SMB02-03	309PLN060L2BOG19SMB02-03	0.58	268	4
3	Lake Nacimiento	L2	Smallmouth Bass	I_309PLN060L2BOG19SMB02-04	309PLN060L2BOG19SMB02-04	1.10	300	5
3	Lake Nacimiento	L2	Smallmouth Bass	I_309PLN060L2BOG19SMB02-05	309PLN060L2BOG19SMB02-05	0.74	292	6
3	Lake Nacimiento	L2	Smallmouth Bass	I_309PLN060L2BOG19SMB02-06	309PLN060L2BOG19SMB02-06	0.61	297	5
3	Lake Nacimiento	L2	Smallmouth Bass	I_309PLN060L2BOG19SMB02-07	309PLN060L2BOG19SMB02-07	0.71	298	6
3	Lake Nacimiento	L2	Smallmouth Bass	I_309PLN060L2BOG19SMB02-08	309PLN060L2BOG19SMB02-08	0.63	297	5
3	Lake Nacimiento	L2	Smallmouth Bass	I_309PLN060L2BOG19SMB02-09	309PLN060L2BOG19SMB02-09	0.92	308	6
3	Lake Nacimiento	L2	Smallmouth Bass	I_309PLN060L2BOG19SMB03-01	309PLN060L2BOG19SMB03-01	1.26	325	7
3	Lake Nacimiento	L2	Smallmouth Bass	I_309PLN060L2BOG19SMB03-02	309PLN060L2BOG19SMB03-02	1.13	325	7
3	Lake Nacimiento	L2	Smallmouth Bass	I_309PLN060L2BOG19SMB03-03	309PLN060L2BOG19SMB03-03	0.95	321	6
3	Lake Nacimiento	L2	Smallmouth Bass	I_309PLN060L2BOG19SMB03-04	309PLN060L2BOG19SMB03-04	1.06	350	8
3	Lake Nacimiento	L2	Smallmouth Bass	I_309PLN060L2BOG19SMB03-05	309PLN060L2BOG19SMB03-05	1.19	408	9
3	Lake Nacimiento	L3	Smallmouth Bass	I_309PLN060L3BOG19SMB01-01	309PLN060L3BOG19SMB01-01	0.39	253	3
3	Lake Nacimiento	L3	Smallmouth Bass	I_309PLN060L3BOG19SMB01-02	309PLN060L3BOG19SMB01-02	0.60	277	4
3	Lake Nacimiento	L3	Smallmouth Bass	I_309PLN060L3BOG19SMB01-	309PLN060L3BOG19SMB01-	1.20	315	6

Region	Waterbody Name	Location	Common Name	Sample ID	Organism ID	Mercury (µg/g ww)	Total Length (mm)	Age (year)
				03	03			
3	Lake Nacimiento	L3	Smallmouth Bass	I_309PLN060L3BOG19SMB03-01	309PLN060L3BOG19SMB03-01	0.29	195	2
3	Lake Nacimiento	L3	Smallmouth Bass	I_309PLN060L3BOG19SMB03-02	309PLN060L3BOG19SMB03-02	0.31	206	3
3	Lake Nacimiento	L3	Smallmouth Bass	I_309PLN060L3BOG19SMB03-03	309PLN060L3BOG19SMB03-03	0.45	299	5
3	Lake Nacimiento	L3	Smallmouth Bass	I_309PLN060L3BOG19SMB03-04	309PLN060L3BOG19SMB03-04	0.41	307	6
3	Lake Nacimiento	L3	Smallmouth Bass	I_309PLN060L3BOG19SMB03-05	309PLN060L3BOG19SMB03-05	1.37	424	10
3	Lake San Antonio	L1	Largemouth Bass	I_309PSA164L1BOG19LMB02-01	309PSA164L1BOG19LMB02-01	0.06	185	2
3	Lake San Antonio	L1	Largemouth Bass	I_309PSA164L1BOG19LMB02-02	309PSA164L1BOG19LMB02-02	0.07	223	3
3	Lake San Antonio	L1	Largemouth Bass	I_309PSA164L1BOG19LMB02-03	309PSA164L1BOG19LMB02-03	0.11	259	3
3	Lake San Antonio	L1	Largemouth Bass	I_309PSA164L1BOG19LMB02-04	309PSA164L1BOG19LMB02-04	0.10	288	4
3	Lake San Antonio	L1	Largemouth Bass	I_309PSA164L1BOG19LMB02-05	309PSA164L1BOG19LMB02-05	0.14	275	5
3	Lake San Antonio	L1	Largemouth Bass	I_309PSA164L1BOG19LMB02-06	309PSA164L1BOG19LMB02-06	0.19	288	5
3	Lake San Antonio	L1	Largemouth Bass	I_309PSA164L1BOG19LMB02-07	309PSA164L1BOG19LMB02-07	0.21	315	7
3	Lake San Antonio	L1	Largemouth Bass	I_309PSA164L1BOG19LMB02-08	309PSA164L1BOG19LMB02-08	0.18	342	8
3	Lake San Antonio	L1	Largemouth Bass	I_309PSA164L1BOG19LMB02-09	309PSA164L1BOG19LMB02-09	0.18	340	8
3	Lake San Antonio	L1	Largemouth Bass	I_309PSA164L1BOG19LMB03-01	309PSA164L1BOG19LMB03-01	0.14	261	5
3	Lake San Antonio	L1	Largemouth Bass	I_309PSA164L1BOG19LMB03-02	309PSA164L1BOG19LMB03-02	0.18	330	8

Region	Waterbody Name	Location	Common Name	Sample ID	Organism ID	Mercury (µg/g ww)	Total Length (mm)	Age (year)
3	Lake San Antonio	L1	Largemouth Bass	I_309PSA164L1BOG19LMB03-03	309PSA164L1BOG19LMB03-03	0.22	350	10
3	Lake San Antonio	L1	Largemouth Bass	I_309PSA164L1BOG19LMB03-04	309PSA164L1BOG19LMB03-04	0.45	502	15
3	Lake San Antonio	L2	Largemouth Bass	I_309PSA164L2BOG19LMB02-01	309PSA164L2BOG19LMB02-01	0.06	227	3
3	Lake San Antonio	L2	Largemouth Bass	I_309PSA164L2BOG19LMB02-02	309PSA164L2BOG19LMB02-02	0.09	247	4
3	Lake San Antonio	L2	Largemouth Bass	I_309PSA164L2BOG19LMB02-03	309PSA164L2BOG19LMB02-03	0.08	251	4
3	Lake San Antonio	L2	Largemouth Bass	I_309PSA164L2BOG19LMB02-04	309PSA164L2BOG19LMB02-04	0.08	277	5
3	Lake San Antonio	L2	Largemouth Bass	I_309PSA164L2BOG19LMB02-05	309PSA164L2BOG19LMB02-05	0.14	336	9
3	Lake San Antonio	L2	Largemouth Bass	I_309PSA164L2BOG19LMB02-06	309PSA164L2BOG19LMB02-06	0.20	339	9
3	Lake San Antonio	L2	Largemouth Bass	I_309PSA164L2BOG19LMB02-07	309PSA164L2BOG19LMB02-07	0.17	338	9
3	Lake San Antonio	L2	Largemouth Bass	I_309PSA164L2BOG19LMB02-08	309PSA164L2BOG19LMB02-08	0.19	334	9
3	Lake San Antonio	L2	Largemouth Bass	I_309PSA164L2BOG19LMB02-09	309PSA164L2BOG19LMB02-09	0.18	320	8
3	Lake San Antonio	L2	Largemouth Bass	I_309PSA164L2BOG19LMB03-01	309PSA164L2BOG19LMB03-01	0.23	360	10
3	Lake San Antonio	L2	Largemouth Bass	I_309PSA164L2BOG19LMB03-02	309PSA164L2BOG19LMB03-02	0.15	369	11
3	Lake San Antonio	L2	Largemouth Bass	I_309PSA164L2BOG19LMB03-03	309PSA164L2BOG19LMB03-03	0.27	365	11
3	Lake San Antonio	L2	Largemouth Bass	I_309PSA164L2BOG19LMB03-04	309PSA164L2BOG19LMB03-04	0.21	368	11
3	Lake San Antonio	L2	Largemouth Bass	I_309PSA164L2BOG19LMB03-05	309PSA164L2BOG19LMB03-05	0.37	443	14
4	Lake Casitas	L1	Largemouth Bass	I_402PLC055L1BOG19LMB01-	402PLC055L1BOG19LMB01-	0.10	201	2

Region	Waterbody Name	Location	Common Name	Sample ID	Organism ID	Mercury (µg/g ww)	Total Length (mm)	Age (year)
				01	01			
4	Lake Casitas	L1	Largemouth Bass	I_402PLC055L1BOG19LMB01-02	402PLC055L1BOG19LMB01-02	0.08	240	3
4	Lake Casitas	L1	Largemouth Bass	I_402PLC055L1BOG19LMB01-03	402PLC055L1BOG19LMB01-03	0.08	272	4
4	Lake Casitas	L1	Largemouth Bass	I_402PLC055L1BOG19LMB01-04	402PLC055L1BOG19LMB01-04	0.13	285	4
4	Lake Casitas	L1	Largemouth Bass	I_402PLC055L1BOG19LMB01-05	402PLC055L1BOG19LMB01-05	0.18	345	6
4	Lake Casitas	L1	Largemouth Bass	I_402PLC055L1BOG19LMB01-06	402PLC055L1BOG19LMB01-06	0.23	360	8
4	Lake Casitas	L1	Largemouth Bass	I_402PLC055L1BOG19LMB01-07	402PLC055L1BOG19LMB01-07	0.30	382	9
4	Lake Casitas	L1	Largemouth Bass	I_402PLC055L1BOG19LMB01-08	402PLC055L1BOG19LMB01-08	0.25	368	7
4	Lake Casitas	L1	Largemouth Bass	I_402PLC055L1BOG19LMB01-09	402PLC055L1BOG19LMB01-09	0.25	398	10
4	Lake Casitas	L1	Largemouth Bass	I_402PLC055L1BOG19LMB02-01	402PLC055L1BOG19LMB02-01	0.24	392	8
4	Lake Casitas	L1	Largemouth Bass	I_402PLC055L1BOG19LMB02-02	402PLC055L1BOG19LMB02-02	0.37	399	10
4	Lake Casitas	L1	Largemouth Bass	I_402PLC055L1BOG19LMB02-03	402PLC055L1BOG19LMB02-03	0.30	420	11
4	Lake Casitas	L1	Largemouth Bass	I_402PLC055L1BOG19LMB02-04	402PLC055L1BOG19LMB02-04	0.43	425	11
4	Lake Casitas	L1	Largemouth Bass	I_402PLC055L1BOG19LMB02-05	402PLC055L1BOG19LMB02-05	0.39	462	11
4	Lake Casitas	L2	Largemouth Bass	I_402PLC055L2BOG19LMB01-01	402PLC055L2BOG19LMB01-01	0.15	259	3
4	Lake Casitas	L2	Largemouth Bass	I_402PLC055L2BOG19LMB01-02	402PLC055L2BOG19LMB01-02	0.13	259	3
4	Lake Casitas	L2	Largemouth Bass	I_402PLC055L2BOG19LMB01-03	402PLC055L2BOG19LMB01-03	0.14	285	4

Region	Waterbody Name	Location	Common Name	Sample ID	Organism ID	Mercury (µg/g ww)	Total Length (mm)	Age (year)
4	Lake Casitas	L2	Largemouth Bass	I_402PLC055L2BOG19LMB01-04	402PLC055L2BOG19LMB01-04	0.33	352	6
4	Lake Casitas	L2	Largemouth Bass	I_402PLC055L2BOG19LMB01-05	402PLC055L2BOG19LMB01-05	0.21	345	6
4	Lake Casitas	L2	Largemouth Bass	I_402PLC055L2BOG19LMB01-06	402PLC055L2BOG19LMB01-06	0.46	382	8
4	Lake Casitas	L2	Largemouth Bass	I_402PLC055L2BOG19LMB01-07	402PLC055L2BOG19LMB01-07	0.34	385	8
4	Lake Casitas	L2	Largemouth Bass	I_402PLC055L2BOG19LMB01-08	402PLC055L2BOG19LMB01-08	0.13	195	2
4	Lake Casitas	L2	Largemouth Bass	I_402PLC055L2BOG19LMB01-09	402PLC055L2BOG19LMB01-09	0.29	392	9
4	Lake Casitas	L2	Largemouth Bass	I_402PLC055L2BOG19LMB02-01	402PLC055L2BOG19LMB02-01	0.42	400	10
4	Lake Casitas	L2	Largemouth Bass	I_402PLC055L2BOG19LMB02-02	402PLC055L2BOG19LMB02-02	0.47	408	9
4	Lake Casitas	L2	Largemouth Bass	I_402PLC055L2BOG19LMB02-03	402PLC055L2BOG19LMB02-03	0.40	400	10
4	Lake Casitas	L2	Largemouth Bass	I_402PLC055L2BOG19LMB02-04	402PLC055L2BOG19LMB02-04	0.45	425	10
4	Lake Casitas	L2	Largemouth Bass	I_402PLC055L2BOG19LMB02-05	402PLC055L2BOG19LMB02-05	0.46	410	10
4	Pyramid Lake	L1	Largemouth Bass	I_403PPL039L1BOG19LMB01-01	403PPL039L1BOG19LMB01-01	0.29	249	3
4	Pyramid Lake	L1	Largemouth Bass	I_403PPL039L1BOG19LMB01-02	403PPL039L1BOG19LMB01-02	0.26	249	4
4	Pyramid Lake	L1	Largemouth Bass	I_403PPL039L1BOG19LMB01-03	403PPL039L1BOG19LMB01-03	0.24	271	5
4	Pyramid Lake	L1	Largemouth Bass	I_403PPL039L1BOG19LMB01-04	403PPL039L1BOG19LMB01-04	0.51	371	9
4	Pyramid Lake	L1	Largemouth Bass	I_403PPL039L1BOG19LMB01-05	403PPL039L1BOG19LMB01-05	0.87	399	10
4	Pyramid Lake	L1	Largemouth Bass	I_403PPL039L1BOG19LMB01-	403PPL039L1BOG19LMB01-	0.51	375	8

Region	Waterbody Name	Location	Common Name	Sample ID	Organism ID	Mercury (µg/g ww)	Total Length (mm)	Age (year)
				06	06			
4	Pyramid Lake	L1	Largemouth Bass	I_403PPL039L1BOG19LMB01-07	403PPL039L1BOG19LMB01-07	0.39	365	8
4	Pyramid Lake	L1	Largemouth Bass	I_403PPL039L1BOG19LMB01-08	403PPL039L1BOG19LMB01-08	0.50	375	9
4	Pyramid Lake	L1	Largemouth Bass	I_403PPL039L1BOG19LMB02-01	403PPL039L1BOG19LMB02-01	0.74	415	10
4	Pyramid Lake	L1	Largemouth Bass	I_403PPL039L1BOG19LMB02-02	403PPL039L1BOG19LMB02-02	1.03	392	10
4	Pyramid Lake	L1	Largemouth Bass	I_403PPL039L1BOG19LMB02-03	403PPL039L1BOG19LMB02-03	0.80	402	9
4	Pyramid Lake	L1	Largemouth Bass	I_403PPL039L1BOG19LMB02-04	403PPL039L1BOG19LMB02-04	0.76	431	11
4	Pyramid Lake	L1	Largemouth Bass	I_403PPL039L1BOG19LMB02-05	403PPL039L1BOG19LMB02-05	0.97	432	11
4	Pyramid Lake	L1	Largemouth Bass	I_403PPL039L1BOG19LMB04-01	403PPL039L1BOG19LMB04-01	0.27	299	5
4	Pyramid Lake	L1	Striped Bass	I_403PPL039L1BOG19STB01-01	403PPL039L1BOG19STB01-01	0.24	501	
4	Pyramid Lake	L1	Striped Bass	I_403PPL039L1BOG19STB01-02	403PPL039L1BOG19STB01-02	0.24	398	
4	Pyramid Lake	L1	Striped Bass	I_403PPL039L1BOG19STB01-03	403PPL039L1BOG19STB01-03	0.20	491	
4	Pyramid Lake	L1	Striped Bass	I_403PPL039L1BOG19STB01-04	403PPL039L1BOG19STB01-04	0.37	523	
4	Pyramid Lake	L1	Striped Bass	I_403PPL039L1BOG19STB01-05	403PPL039L1BOG19STB01-05	0.13	430	
4	Pyramid Lake	L1	Striped Bass	I_403PPL039L1BOG19STB02-01	403PPL039L1BOG19STB02-01	0.51	513	
4	Pyramid Lake	L1	Striped Bass	I_403PPL039L1BOG19STB02-02	403PPL039L1BOG19STB02-02	0.41	540	
4	Pyramid Lake	L1	Striped Bass	I_403PPL039L1BOG19STB02-03	403PPL039L1BOG19STB02-03	0.47	572	



Region	Waterbody Name	Location	Common Name	Sample ID	Organism ID	Mercury (µg/g ww)	Total Length (mm)	Age (year)
4	Pyramid Lake	L1	Striped Bass	I_403PPL039L1BOG19STB02-04	403PPL039L1BOG19STB02-04	0.21	429	
4	Pyramid Lake	L2	Largemouth Bass	I_403PPL039L2BOG19LMB01-01	403PPL039L2BOG19LMB01-01	0.28	235	4
4	Pyramid Lake	L2	Largemouth Bass	I_403PPL039L2BOG19LMB01-02	403PPL039L2BOG19LMB01-02	0.24	287	5
4	Pyramid Lake	L2	Largemouth Bass	I_403PPL039L2BOG19LMB01-03	403PPL039L2BOG19LMB01-03	0.31	301	5
4	Pyramid Lake	L2	Largemouth Bass	I_403PPL039L2BOG19LMB01-04	403PPL039L2BOG19LMB01-04	0.24	300	5
4	Pyramid Lake	L2	Largemouth Bass	I_403PPL039L2BOG19LMB01-05	403PPL039L2BOG19LMB01-05	0.68	392	9
4	Pyramid Lake	L2	Largemouth Bass	I_403PPL039L2BOG19LMB01-06	403PPL039L2BOG19LMB01-06	0.92	392	10
4	Pyramid Lake	L2	Largemouth Bass	I_403PPL039L2BOG19LMB01-07	403PPL039L2BOG19LMB01-07	0.63	382	10
4	Pyramid Lake	L2	Largemouth Bass	I_403PPL039L2BOG19LMB01-08	403PPL039L2BOG19LMB01-08	0.59	365	9
4	Pyramid Lake	L2	Largemouth Bass	I_403PPL039L2BOG19LMB01-09	403PPL039L2BOG19LMB01-09	0.61	368	8
4	Pyramid Lake	L2	Largemouth Bass	I_403PPL039L2BOG19LMB02-01	403PPL039L2BOG19LMB02-01	0.58	382	9
4	Pyramid Lake	L2	Largemouth Bass	I_403PPL039L2BOG19LMB02-02	403PPL039L2BOG19LMB02-02	0.56	406	9
4	Pyramid Lake	L2	Largemouth Bass	I_403PPL039L2BOG19LMB02-03	403PPL039L2BOG19LMB02-03	0.61	413	10
4	Pyramid Lake	L2	Largemouth Bass	I_403PPL039L2BOG19LMB02-04	403PPL039L2BOG19LMB02-04	0.58	420	11
4	Pyramid Lake	L2	Largemouth Bass	I_403PPL039L2BOG19LMB02-05	403PPL039L2BOG19LMB02-05	1.01	460	13
4	Pyramid Lake	L2	Striped Bass	I_403PPL039L2BOG19STB01-01	403PPL039L2BOG19STB01-01	0.46	400	
4	Lake Sherwood	NA	Largemouth Bass	I_404SHERLKB0G19LMB01-01	404SHERLKB0G19LMB01-01	0.49	210	2

Region	Waterbody Name	Location	Common Name	Sample ID	Organism ID	Mercury (µg/g ww)	Total Length (mm)	Age (year)
4	Lake Sherwood	NA	Largemouth Bass	I_404SHERLKBOG19LMB01-02	404SHERLKBOG19LMB01-02	0.42	221	2
4	Lake Sherwood	NA	Largemouth Bass	I_404SHERLKBOG19LMB01-03	404SHERLKBOG19LMB01-03	0.56	268	3
4	Lake Sherwood	NA	Largemouth Bass	I_404SHERLKBOG19LMB01-04	404SHERLKBOG19LMB01-04	0.51	271	4
4	Lake Sherwood	NA	Largemouth Bass	I_404SHERLKBOG19LMB01-05	404SHERLKBOG19LMB01-05	1.90	375	6
4	Lake Sherwood	NA	Largemouth Bass	I_404SHERLKBOG19LMB01-06	404SHERLKBOG19LMB01-06	2.02	375	6
4	Lake Sherwood	NA	Largemouth Bass	I_404SHERLKBOG19LMB01-07	404SHERLKBOG19LMB01-07	1.01	355	6
4	Lake Sherwood	NA	Largemouth Bass	I_404SHERLKBOG19LMB01-08	404SHERLKBOG19LMB01-08	1.22	355	7
4	Lake Sherwood	NA	Largemouth Bass	I_404SHERLKBOG19LMB01-09	404SHERLKBOG19LMB01-09	0.79	383	8
4	Lake Sherwood	NA	Largemouth Bass	I_404SHERLKBOG19LMB02-01	404SHERLKBOG19LMB02-01	1.38	377	8
4	Lake Sherwood	NA	Largemouth Bass	I_404SHERLKBOG19LMB02-02	404SHERLKBOG19LMB02-02	1.29	402	9
4	Lake Sherwood	NA	Largemouth Bass	I_404SHERLKBOG19LMB02-03	404SHERLKBOG19LMB02-03	1.22	413	10
4	Lake Sherwood	NA	Largemouth Bass	I_404SHERLKBOG19LMB02-04	404SHERLKBOG19LMB02-04	1.09	434	11
4	Lake Sherwood	NA	Largemouth Bass	I_404SHERLKBOG19LMB02-05	404SHERLKBOG19LMB02-05	1.16	490	13
4	Puddingstone Reservoir_BOG	NA	Largemouth Bass	I_405PPS051BOG19LMB01-01	405PPS051BOG19LMB01-01	0.04	231	3
4	Puddingstone Reservoir_BOG	NA	Largemouth Bass	I_405PPS051BOG19LMB01-02	405PPS051BOG19LMB01-02	0.07	231	3
4	Puddingstone Reservoir_BOG	NA	Largemouth Bass	I_405PPS051BOG19LMB01-03	405PPS051BOG19LMB01-03	0.05	268	4
4	Puddingstone Reservoir_BOG	NA	Largemouth Bass	I_405PPS051BOG19LMB01-04	405PPS051BOG19LMB01-04	0.06	299	5
4	Puddingstone Reservoir_BOG	NA	Largemouth Bass	I_405PPS051BOG19LMB01-05	405PPS051BOG19LMB01-05	0.09	321	5
4	Puddingstone Reservoir_BOG	NA	Largemouth Bass	I_405PPS051BOG19LMB01-06	405PPS051BOG19LMB01-06	0.15	334	7
4	Puddingstone Reservoir_BOG	NA	Largemouth Bass	I_405PPS051BOG19LMB01-07	405PPS051BOG19LMB01-07	0.11	350	7
4	Puddingstone Reservoir_BOG	NA	Largemouth Bass	I_405PPS051BOG19LMB01-08	405PPS051BOG19LMB01-08	0.13	352	7
4	Puddingstone Reservoir_BOG	NA	Largemouth Bass	I_405PPS051BOG19LMB01-09	405PPS051BOG19LMB01-09	0.12	332	7

Region	Waterbody Name	Location	Common Name	Sample ID	Organism ID	Mercury (µg/g ww)	Total Length (mm)	Age (year)
4	Puddingstone Reservoir_BOG	NA	Largemouth Bass	I_405PPS051BOG19LMB02-01	405PPS051BOG19LMB02-01	0.30	396	8
4	Puddingstone Reservoir_BOG	NA	Largemouth Bass	I_405PPS051BOG19LMB02-02	405PPS051BOG19LMB02-02	0.18	381	8
4	Puddingstone Reservoir_BOG	NA	Largemouth Bass	I_405PPS051BOG19LMB02-03	405PPS051BOG19LMB02-03	0.28	448	9
4	Puddingstone Reservoir_BOG	NA	Largemouth Bass	I_405PPS051BOG19LMB02-04	405PPS051BOG19LMB02-04	0.45	482	10
4	Puddingstone Reservoir_BOG	NA	Largemouth Bass	I_405PPS051BOG19LMB02-05	405PPS051BOG19LMB02-05	0.47	487	11
4	Harbor Lake (Lake Machado)	NA	Largemouth Bass	I_411HARBLKBOG19LMB01-01	411HARBLKBOG19LMB01-01	0.04	219	2
4	Harbor Lake (Lake Machado)	NA	Largemouth Bass	I_411HARBLKBOG19LMB01-02	411HARBLKBOG19LMB01-02	0.03	239	3
4	Harbor Lake (Lake Machado)	NA	Largemouth Bass	I_411HARBLKBOG19LMB01-03	411HARBLKBOG19LMB01-03	0.03	236	3
4	Harbor Lake (Lake Machado)	NA	Largemouth Bass	I_411HARBLKBOG19LMB01-04	411HARBLKBOG19LMB01-04	0.03	223	3
4	Harbor Lake (Lake Machado)	NA	Largemouth Bass	I_411HARBLKBOG19LMB01-05	411HARBLKBOG19LMB01-05	0.03	231	3
4	Harbor Lake (Lake Machado)	NA	Largemouth Bass	I_411HARBLKBOG19LMB01-06	411HARBLKBOG19LMB01-06	0.03	227	3
4	Harbor Lake (Lake Machado)	NA	Largemouth Bass	I_411HARBLKBOG19LMB01-07	411HARBLKBOG19LMB01-07	0.04	227	3
4	Harbor Lake (Lake Machado)	NA	Largemouth Bass	I_411HARBLKBOG19LMB01-08	411HARBLKBOG19LMB01-08	0.08	422	12
4	Harbor Lake (Lake Machado)	NA	Largemouth Bass	I_411HARBLKBOG19LMB01-09	411HARBLKBOG19LMB01-09	0.16	427	13
4	Echo Lake - Reg 4	NA	Largemouth Bass	I_412ECHOLKBOG19LMB01-01	412ECHOLKBOG19LMB01-01	0.03	208	3
4	Echo Lake - Reg 4	NA	Largemouth Bass	I_412ECHOLKBOG19LMB01-02	412ECHOLKBOG19LMB01-02	0.03	217	4
4	Echo Lake - Reg 4	NA	Largemouth Bass	I_412ECHOLKBOG19LMB01-03	412ECHOLKBOG19LMB01-03	0.07	296	7
4	Echo Lake - Reg 4	NA	Largemouth Bass	I_412ECHOLKBOG19LMB01-04	412ECHOLKBOG19LMB01-04	0.07	291	7

Region	Waterbody Name	Location	Common Name	Sample ID	Organism ID	Mercury (µg/g ww)	Total Length (mm)	Age (year)
4	Echo Lake - Reg 4	NA	Largemouth Bass	I_412ECHOLKBOG19LMB01-05	412ECHOLKBOG19LMB01-05	0.08	347	8
4	Echo Lake - Reg 4	NA	Largemouth Bass	I_412ECHOLKBOG19LMB01-06	412ECHOLKBOG19LMB01-06	0.15	344	7
4	Echo Lake - Reg 4	NA	Largemouth Bass	I_412ECHOLKBOG19LMB01-07	412ECHOLKBOG19LMB01-07	0.06	323	6
4	Echo Lake - Reg 4	NA	Largemouth Bass	I_412ECHOLKBOG19LMB01-08	412ECHOLKBOG19LMB01-08	0.05	317	6
4	Echo Lake - Reg 4	NA	Largemouth Bass	I_412ECHOLKBOG19LMB01-09	412ECHOLKBOG19LMB01-09	0.11	342	7
4	Echo Lake - Reg 4	NA	Largemouth Bass	I_412ECHOLKBOG19LMB02-01	412ECHOLKBOG19LMB02-01	0.07	383	8
4	Echo Lake - Reg 4	NA	Largemouth Bass	I_412ECHOLKBOG19LMB02-02	412ECHOLKBOG19LMB02-02	0.47	390	9
4	Echo Lake - Reg 4	NA	Largemouth Bass	I_412ECHOLKBOG19LMB02-03	412ECHOLKBOG19LMB02-03	0.37	484	12
4	Echo Lake - Reg 4	NA	Largemouth Bass	I_412ECHOLKBOG19LMB02-04	412ECHOLKBOG19LMB02-04	0.12	422	11
4	Echo Lake - Reg 4	NA	Largemouth Bass	I_412ECHOLKBOG19LMB02-05	412ECHOLKBOG19LMB02-05	0.51	473	12
4	Legg Lake	NA	Largemouth Bass	I_412LEGGLKBOG19LMB01-01	412LEGGLKBOG19LMB01-01	0.06	208	2
4	Legg Lake	NA	Largemouth Bass	I_412LEGGLKBOG19LMB01-02	412LEGGLKBOG19LMB01-02	0.08	223	3
4	Legg Lake	NA	Largemouth Bass	I_412LEGGLKBOG19LMB01-03	412LEGGLKBOG19LMB01-03	0.10	251	3
4	Legg Lake	NA	Largemouth Bass	I_412LEGGLKBOG19LMB01-04	412LEGGLKBOG19LMB01-04	0.10	300	4
4	Legg Lake	NA	Largemouth Bass	I_412LEGGLKBOG19LMB01-05	412LEGGLKBOG19LMB01-05	0.30	370	
4	Legg Lake	NA	Largemouth Bass	I_412LEGGLKBOG19LMB01-06	412LEGGLKBOG19LMB01-06	0.22	353	6
4	Legg Lake	NA	Largemouth Bass	I_412LEGGLKBOG19LMB01-07	412LEGGLKBOG19LMB01-07	0.23	347	6
4	Legg Lake	NA	Largemouth Bass	I_412LEGGLKBOG19LMB01-08	412LEGGLKBOG19LMB01-08	0.15	360	7
4	Legg Lake	NA	Largemouth Bass	I_412LEGGLKBOG19LMB01-09	412LEGGLKBOG19LMB01-09	0.15	358	7
4	Legg Lake	NA	Largemouth Bass	I_412LEGGLKBOG19LMB02-01	412LEGGLKBOG19LMB02-01	0.15	354	7
4	Legg Lake	NA	Largemouth Bass	I_412LEGGLKBOG19LMB02-02	412LEGGLKBOG19LMB02-02	0.13	390	8
4	Legg Lake	NA	Largemouth Bass	I_412LEGGLKBOG19LMB02-03	412LEGGLKBOG19LMB02-03	0.11	423	9
4	Legg Lake	NA	Largemouth Bass	I_412LEGGLKBOG19LMB02-04	412LEGGLKBOG19LMB02-04	0.21	420	11
4	Legg Lake	NA	Largemouth Bass	I_412LEGGLKBOG19LMB02-05	412LEGGLKBOG19LMB02-05	0.28	425	10
5	Black Butte Lake	L1	Largemouth Bass	I_504PBB125L1BOG19LMB01-01	504PBB125L1BOG19LMB01-01	0.27	210	2
5	Black Butte Lake	L1	Largemouth Bass	I_504PBB125L1BOG19LMB01-02	504PBB125L1BOG19LMB01-02	0.30	244	4
5	Black Butte Lake	L1	Largemouth Bass	I_504PBB125L1BOG19LMB01-03	504PBB125L1BOG19LMB01-03	0.27	250	5

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5	Black Butte Lake	L1	Largemouth Bass	I_504PBB125L1BOG19LMB01-04	504PBB125L1BOG19LMB01-04	0.38	252	5
5	Black Butte Lake	L1	Largemouth Bass	I_504PBB125L1BOG19LMB01-05	504PBB125L1BOG19LMB01-05	0.35	307	6
5	Black Butte Lake	L1	Largemouth Bass	I_504PBB125L1BOG19LMB01-06	504PBB125L1BOG19LMB01-06	0.34	306	6
5	Black Butte Lake	L1	Largemouth Bass	I_504PBB125L1BOG19LMB01-07	504PBB125L1BOG19LMB01-07	0.29	305	6
5	Black Butte Lake	L1	Largemouth Bass	I_504PBB125L1BOG19LMB01-08	504PBB125L1BOG19LMB01-08	0.45	315	7
5	Black Butte Lake	L1	Largemouth Bass	I_504PBB125L1BOG19LMB01-09	504PBB125L1BOG19LMB01-09	0.46	337	7
5	Black Butte Lake	L1	Largemouth Bass	I_504PBB125L1BOG19LMB02-01	504PBB125L1BOG19LMB02-01	0.58	344	7
5	Black Butte Lake	L1	Largemouth Bass	I_504PBB125L1BOG19LMB02-02	504PBB125L1BOG19LMB02-02	0.45	325	7
5	Black Butte Lake	L1	Largemouth Bass	I_504PBB125L1BOG19LMB02-03	504PBB125L1BOG19LMB02-03	0.62	360	9
5	Black Butte Lake	L1	Largemouth Bass	I_504PBB125L1BOG19LMB02-04	504PBB125L1BOG19LMB02-04	0.70	352	9
5	Black Butte Lake	L1	Largemouth Bass	I_504PBB125L1BOG19LMB02-05	504PBB125L1BOG19LMB02-05	0.60	359	9
5	Black Butte Lake	L2	Largemouth Bass	I_504PBB125L2BOG19LMB01-01	504PBB125L2BOG19LMB01-01	0.27	218	2
5	Black Butte Lake	L2	Largemouth Bass	I_504PBB125L2BOG19LMB01-02	504PBB125L2BOG19LMB01-02	0.29	232	3
5	Black Butte Lake	L2	Largemouth Bass	I_504PBB125L2BOG19LMB01-03	504PBB125L2BOG19LMB01-03	0.33	255	3
5	Black Butte Lake	L2	Largemouth Bass	I_504PBB125L2BOG19LMB01-04	504PBB125L2BOG19LMB01-04	0.30	272	4
5	Black Butte Lake	L2	Largemouth Bass	I_504PBB125L2BOG19LMB01-05	504PBB125L2BOG19LMB01-05	0.40	315	5
5	Black Butte Lake	L2	Largemouth Bass	I_504PBB125L2BOG19LMB01-	504PBB125L2BOG19LMB01-	0.39	327	6

Region	Waterbody Name	Location	Common Name	Sample ID	Organism ID	Mercury (µg/g ww)	Total Length (mm)	Age (year)
				06	06			
5	Black Butte Lake	L2	Largemouth Bass	I_504PBB125L2BOG19LMB01-07	504PBB125L2BOG19LMB01-07	0.36	325	5
5	Black Butte Lake	L2	Largemouth Bass	I_504PBB125L2BOG19LMB01-08	504PBB125L2BOG19LMB01-08	0.57	324	6
5	Black Butte Lake	L2	Largemouth Bass	I_504PBB125L2BOG19LMB01-09	504PBB125L2BOG19LMB01-09	0.40	325	6
5	Black Butte Lake	L2	Largemouth Bass	I_504PBB125L2BOG19LMB02-01	504PBB125L2BOG19LMB02-01	0.52	309	5
5	Black Butte Lake	L2	Largemouth Bass	I_504PBB125L2BOG19LMB02-02	504PBB125L2BOG19LMB02-02	0.23	309	5
5	Black Butte Lake	L2	Largemouth Bass	I_504PBB125L2BOG19LMB02-03	504PBB125L2BOG19LMB02-03	0.42	310	5
5	Black Butte Lake	L2	Largemouth Bass	I_504PBB125L2BOG19LMB02-04	504PBB125L2BOG19LMB02-04	0.68	370	8
5	Black Butte Lake	L2	Largemouth Bass	I_504PBB125L2BOG19LMB02-05	504PBB125L2BOG19LMB02-05	0.80	367	8
5	William Pond (Arden Pond)	NA	Largemouth Bass	I_519WILMPDBOG19LMB01-01	509WILMPDBOG19LMB01-01	0.36	210	3
5	William Pond (Arden Pond)	NA	Largemouth Bass	I_519WILMPDBOG19LMB01-02	509WILMPDBOG19LMB01-02	0.40	241	4
5	William Pond (Arden Pond)	NA	Largemouth Bass	I_519WILMPDBOG19LMB01-03	509WILMPDBOG19LMB01-03	0.44	275	4
5	William Pond (Arden Pond)	NA	Largemouth Bass	I_519WILMPDBOG19LMB01-04	509WILMPDBOG19LMB01-04	0.52	291	5
5	William Pond (Arden Pond)	NA	Largemouth Bass	I_519WILMPDBOG19LMB01-05	509WILMPDBOG19LMB01-05	0.55	346	7
5	William Pond (Arden Pond)	NA	Largemouth Bass	I_519WILMPDBOG19LMB01-06	509WILMPDBOG19LMB01-06	1.51	332	7
5	William Pond (Arden Pond)	NA	Largemouth Bass	I_519WILMPDBOG19LMB01-07	509WILMPDBOG19LMB01-07	0.88	315	6
5	William Pond (Arden Pond)	NA	Largemouth Bass	I_519WILMPDBOG19LMB01-08	509WILMPDBOG19LMB01-08	0.85	367	8

Region	Waterbody Name	Location	Common Name	Sample ID	Organism ID	Mercury (µg/g ww)	Total Length (mm)	Age (year)
5	William Pond (Arden Pond)	NA	Largemouth Bass	I_519WILMPDBOG19LMB01-09	509WILMPDBOG19LMB01-09	0.74	363	9
5	William Pond (Arden Pond)	NA	Largemouth Bass	I_519WILMPDBOG19LMB02-01	509WILMPDBOG19LMB02-01	0.71	395	10
5	William Pond (Arden Pond)	NA	Largemouth Bass	I_519WILMPDBOG19LMB02-02	509WILMPDBOG19LMB02-02	1.09	382	9
5	William Pond (Arden Pond)	NA	Largemouth Bass	I_519WILMPDBOG19LMB02-03	509WILMPDBOG19LMB02-03	0.87	462	12
5	William Pond (Arden Pond)	NA	Largemouth Bass	I_519WILMPDBOG19LMB02-04	509WILMPDBOG19LMB02-04	0.87	450	11
5	William Pond (Arden Pond)	NA	Largemouth Bass	I_519WILMPDBOG19LMB02-05	509WILMPDBOG19LMB02-05	1.00	477	13
5	Blue Lakes	NA	Largemouth Bass	I_513PBL097BOG19LMB02-01	513PBL097BOG19LMB02-01	0.10	222	3
5	Blue Lakes	NA	Largemouth Bass	I_513PBL097BOG19LMB02-02	513PBL097BOG19LMB02-02	0.11	225	3
5	Blue Lakes	NA	Largemouth Bass	I_513PBL097BOG19LMB02-03	513PBL097BOG19LMB02-03	0.12	290	5
5	Blue Lakes	NA	Largemouth Bass	I_513PBL097BOG19LMB02-04	513PBL097BOG19LMB02-04	0.18	282	5
5	Blue Lakes	NA	Largemouth Bass	I_513PBL097BOG19LMB02-05	513PBL097BOG19LMB02-05	0.27	320	8
5	Blue Lakes	NA	Largemouth Bass	I_513PBL097BOG19LMB02-06	513PBL097BOG19LMB02-06	0.25	330	8
5	Blue Lakes	NA	Largemouth Bass	I_513PBL097BOG19LMB02-07	513PBL097BOG19LMB02-07	0.15	325	8
5	Blue Lakes	NA	Largemouth Bass	I_513PBL097BOG19LMB02-08	513PBL097BOG19LMB02-08	0.33	365	10
5	Blue Lakes	NA	Largemouth Bass	I_513PBL097BOG19LMB02-09	513PBL097BOG19LMB02-09	0.24	355	10
5	Blue Lakes	NA	Largemouth Bass	I_513PBL097BOG19LMB03-01	513PBL097BOG19LMB03-01	0.35	378	11
5	Blue Lakes	NA	Largemouth Bass	I_513PBL097BOG19LMB03-02	513PBL097BOG19LMB03-02	0.30	388	12
5	Blue Lakes	NA	Largemouth Bass	I_513PBL097BOG19LMB03-03	513PBL097BOG19LMB03-03	0.26	415	14
5	Blue Lakes	NA	Largemouth Bass	I_513PBL097BOG19LMB03-04	513PBL097BOG19LMB03-04	0.44	400	12
5	Blue Lakes	NA	Largemouth Bass	I_513PBL097BOG19LMB03-05	513PBL097BOG19LMB03-05	0.41	435	14
5	Slab Creek Reservoir	NA	Sacramento Pikeminnow	I_514SLABCRBOG19SPM02-01	514SLABCRBOG19SPM02-01	0.34	288	
5	Slab Creek Reservoir	NA	Sacramento Pikeminnow	I_514SLABCRBOG19SPM02-02	514SLABCRBOG19SPM02-02	0.12	285	
5	Slab Creek Reservoir	NA	Sacramento	I_514SLABCRBOG19SPM02-03	514SLABCRBOG19SPM02-03	0.11	300	

Region	Waterbody Name	Location	Common Name	Sample ID	Organism ID	Mercury (µg/g ww)	Total Length (mm)	Age (year)
			Pikeminnow					
5	Slab Creek Reservoir	NA	Sacramento Pikeminnow	I_514SLABCRBOG19SPM02-04	514SLABCRBOG19SPM02-04	0.16	351	
5	Slab Creek Reservoir	NA	Sacramento Pikeminnow	I_514SLABCRBOG19SPM02-05	514SLABCRBOG19SPM02-05	0.13	339	
5	Slab Creek Reservoir	NA	Sacramento Pikeminnow	I_514SLABCRBOG19SPM02-06	514SLABCRBOG19SPM02-06	0.16	376	
5	Slab Creek Reservoir	NA	Sacramento Pikeminnow	I_514SLABCRBOG19SPM02-07	514SLABCRBOG19SPM02-07	0.17	362	
5	Slab Creek Reservoir	NA	Sacramento Pikeminnow	I_514SLABCRBOG19SPM02-08	514SLABCRBOG19SPM02-08	0.15	350	
5	Slab Creek Reservoir	NA	Sacramento Pikeminnow	I_514SLABCRBOG19SPM03-01	514SLABCRBOG19SPM03-01	0.19	395	
5	Slab Creek Reservoir	NA	Sacramento Pikeminnow	I_514SLABCRBOG19SPM03-02	514SLABCRBOG19SPM03-02	0.80	499	
5	Slab Creek Reservoir	NA	Sacramento Pikeminnow	I_514SLABCRBOG19SPM03-03	514SLABCRBOG19SPM03-03	0.57	473	
5	Slab Creek Reservoir	NA	Sacramento Pikeminnow	I_514SLABCRBOG19SPM03-04	514SLABCRBOG19SPM03-04	0.42	460	
5	Thermalito Afterbay	L1	Largemouth Bass	I_515TT0326L1BOG19LMB02-01	515TT0326L1BOG19LMB02-01	0.04	280	7
5	Thermalito Afterbay	L1	Largemouth Bass	I_515TT0326L1BOG19LMB02-02	515TT0326L1BOG19LMB02-02	0.11	268	7
5	Thermalito Afterbay	L1	Largemouth Bass	I_515TT0326L1BOG19LMB02-03	515TT0326L1BOG19LMB02-03	0.11	284	7
5	Thermalito Afterbay	L1	Largemouth Bass	I_515TT0326L1BOG19LMB02-04	515TT0326L1BOG19LMB02-04	0.09	311	9
5	Thermalito Afterbay	L1	Largemouth Bass	I_515TT0326L1BOG19LMB02-05	515TT0326L1BOG19LMB02-05	0.30	394	12
5	Thermalito Afterbay	L1	Largemouth Bass	I_515TT0326L1BOG19LMB02-06	515TT0326L1BOG19LMB02-06	0.27	374	11
5	Thermalito Afterbay	L1	Largemouth Bass	I_515TT0326L1BOG19LMB02-07	515TT0326L1BOG19LMB02-07	0.33	430	14



Region	Waterbody Name	Location	Common Name	Sample ID	Organism ID	Mercury (µg/g ww)	Total Length (mm)	Age (year)
5	Thermalito Afterbay	L1	Largemouth Bass	I_515TT0326L1BOG19LMB02-08	515TT0326L1BOG19LMB02-08	0.17	451	15
5	Thermalito Afterbay	L2	Largemouth Bass	I_515TT0326L2BOG19LMB02-01	515TT0326L2BOG19LMB02-01	0.10	338	10
5	Thermalito Afterbay	L2	Largemouth Bass	I_515TT0326L2BOG19LMB02-02	515TT0326L2BOG19LMB02-02	0.31	360	11
5	Thermalito Afterbay	L3	Largemouth Bass	I_515TT0326L3BOG19LMB02-01	515TT0326L3BOG19LMB02-01	0.09	223	4
5	Scotts Flat Reservoir	NA	Largemouth Bass	I_517PSF049BOG19LMB01-01	517PSF049BOG19LMB01-01	0.18	191	2
5	Scotts Flat Reservoir	NA	Largemouth Bass	I_517PSF049BOG19LMB01-02	517PSF049BOG19LMB01-02	0.17	185	2
5	Scotts Flat Reservoir	NA	Largemouth Bass	I_517PSF049BOG19LMB01-03	517PSF049BOG19LMB01-03	0.18	263	5
5	Scotts Flat Reservoir	NA	Largemouth Bass	I_517PSF049BOG19LMB01-04	517PSF049BOG19LMB01-04	0.32	256	4
5	Scotts Flat Reservoir	NA	Largemouth Bass	I_517PSF049BOG19LMB01-05	517PSF049BOG19LMB01-05	0.63	371	7
5	Scotts Flat Reservoir	NA	Largemouth Bass	I_517PSF049BOG19LMB01-06	517PSF049BOG19LMB01-06	0.44	373	7
5	Scotts Flat Reservoir	NA	Largemouth Bass	I_517PSF049BOG19LMB01-07	517PSF049BOG19LMB01-07	0.55	400	9
5	Scotts Flat Reservoir	NA	Largemouth Bass	I_517PSF049BOG19LMB01-08	517PSF049BOG19LMB01-08	0.95	375	8
5	Scotts Flat Reservoir	NA	Largemouth Bass	I_517PSF049BOG19LMB01-09	517PSF049BOG19LMB01-09	0.52	351	8
5	Scotts Flat Reservoir	NA	Largemouth Bass	I_517PSF049BOG19LMB02-01	517PSF049BOG19LMB02-01	0.45	385	8
5	Scotts Flat Reservoir	NA	Largemouth Bass	I_517PSF049BOG19LMB02-02	517PSF049BOG19LMB02-02	0.62	390	9
5	Scotts Flat Reservoir	NA	Largemouth Bass	I_517PSF049BOG19LMB02-03	517PSF049BOG19LMB02-03	0.72	423	10
5	Scotts Flat Reservoir	NA	Largemouth Bass	I_517PSF049BOG19LMB02-04	517PSF049BOG19LMB02-04	0.56	482	12
5	Scotts Flat Reservoir	NA	Largemouth Bass	I_517PSF049BOG19LMB02-05	517PSF049BOG19LMB02-05	0.71	440	11
5	Wildwood Lake	NA	Largemouth Bass	I_517WILDWLBOG19LMB02-01	517WILDWLBOG19LMB02-01	0.19	214	3
5	Wildwood Lake	NA	Largemouth Bass	I_517WILDWLBOG19LMB02-02	517WILDWLBOG19LMB02-02	0.33	225	3
5	Wildwood Lake	NA	Largemouth Bass	I_517WILDWLBOG19LMB02-03	517WILDWLBOG19LMB02-03	0.27	293	5
5	Wildwood Lake	NA	Largemouth Bass	I_517WILDWLBOG19LMB02-04	517WILDWLBOG19LMB02-04	0.42	302	5
5	Wildwood Lake	NA	Largemouth Bass	I_517WILDWLBOG19LMB02-05	517WILDWLBOG19LMB02-05	0.56	340	7
5	Wildwood Lake	NA	Largemouth Bass	I_517WILDWLBOG19LMB02-06	517WILDWLBOG19LMB02-06	0.81	346	7
5	Wildwood Lake	NA	Largemouth Bass	I_517WILDWLBOG19LMB02-07	517WILDWLBOG19LMB02-07	0.51	347	7
5	Wildwood Lake	NA	Largemouth Bass	I_517WILDWLBOG19LMB02-08	517WILDWLBOG19LMB02-08	0.61	360	8

Region	Waterbody Name	Location	Common Name	Sample ID	Organism ID	Mercury (µg/g ww)	Total Length (mm)	Age (year)
5	Wildwood Lake	NA	Largemouth Bass	I_517WILDWLBOG19LMB02-09	517WILDWLBOG19LMB02-09	0.75	356	8
5	Wildwood Lake	NA	Largemouth Bass	I_517WILDWLBOG19LMB03-01	517WILDWLBOG19LMB03-01	0.65	377	9
5	Wildwood Lake	NA	Largemouth Bass	I_517WILDWLBOG19LMB03-02	517WILDWLBOG19LMB03-02	0.57	383	9
5	Wildwood Lake	NA	Largemouth Bass	I_517WILDWLBOG19LMB03-03	517WILDWLBOG19LMB03-03	0.75	421	11
5	Wildwood Lake	NA	Largemouth Bass	I_517WILDWLBOG19LMB03-04	517WILDWLBOG19LMB03-04	1.23	448	13
5	Wildwood Lake	NA	Largemouth Bass	I_517WILDWLBOG19LMB03-05	517WILDWLBOG19LMB03-05	0.94	470	15
5	Lake Oroville	L1	Largemouth Bass	I_518POV021L1BOG19LMB01-02	518POV021L1BOG19LMB01-02	0.15	210	2
5	Lake Oroville	L1	Largemouth Bass	I_518POV021L1BOG19LMB01-04	518POV021L1BOG19LMB01-04	0.15	260	3
5	Lake Oroville	L1	Largemouth Bass	I_518POV021L1BOG19LMB01-05	518POV021L1BOG19LMB01-05	0.20	290	5
5	Lake Oroville	L1	Largemouth Bass	I_518POV021L1BOG19LMB02-01	518POV021L1BOG19LMB02-01	0.36	350	7
5	Lake Oroville	L1	Largemouth Bass	I_518POV021L1BOG19LMB02-04	518POV021L1BOG19LMB02-04	0.47	360	8
5	Lake Oroville	L1	Spotted Bass	I_518POV021L1BOG19SPB01-01	518POV021L1BOG19SPB01-01	0.17	205	2
5	Lake Oroville	L1	Spotted Bass	I_518POV021L1BOG19SPB01-03	518POV021L1BOG19SPB01-03	0.23	242	4
5	Lake Oroville	L1	Spotted Bass	I_518POV021L1BOG19SPB01-06	518POV021L1BOG19SPB01-06	0.31	330	7
5	Lake Oroville	L1	Spotted Bass	I_518POV021L1BOG19SPB01-07	518POV021L1BOG19SPB01-07	0.29	318	6
5	Lake Oroville	L1	Spotted Bass	I_518POV021L1BOG19SPB01-08	518POV021L1BOG19SPB01-08	0.47	330	7
5	Lake Oroville	L1	Spotted Bass	I_518POV021L1BOG19SPB01-09	518POV021L1BOG19SPB01-09	0.30	325	6
5	Lake Oroville	L1	Spotted Bass	I_518POV021L1BOG19SPB02-02	518POV021L1BOG19SPB02-02	0.26	310	6
5	Lake Oroville	L1	Spotted Bass	I_518POV021L1BOG19SPB02-03	518POV021L1BOG19SPB02-03	0.43	355	7

Region	Waterbody Name	Location	Common Name	Sample ID	Organism ID	Mercury (µg/g ww)	Total Length (mm)	Age (year)
5	Lake Oroville	L1	Spotted Bass	I_518POV021L1BOG19SPB02-05	518POV021L1BOG19SPB02-05	0.70	405	10
5	Lake Oroville	L2	Spotted Bass	I_518POV021L2BOG19SPB01-01	518POV021L2BOG19SPB01-01	0.14	220	3
5	Lake Oroville	L2	Spotted Bass	I_518POV021L2BOG19SPB01-02	518POV021L2BOG19SPB01-02	0.17	255	3
5	Lake Oroville	L2	Spotted Bass	I_518POV021L2BOG19SPB01-03	518POV021L2BOG19SPB01-03	0.58	360	7
5	Lake Oroville	L2	Spotted Bass	I_518POV021L2BOG19SPB01-04	518POV021L2BOG19SPB01-04	0.32	350	6
5	Lake Oroville	L2	Spotted Bass	I_518POV021L2BOG19SPB01-05	518POV021L2BOG19SPB01-05	0.54	360	6
5	Lake Oroville	L2	Spotted Bass	I_518POV021L2BOG19SPB01-06	518POV021L2BOG19SPB01-06	0.49	353	6
5	Lake Oroville	L2	Spotted Bass	I_518POV021L2BOG19SPB01-07	518POV021L2BOG19SPB01-07	0.44	409	9
5	Lake Oroville	L2	Spotted Bass	I_518POV021L2BOG19SPB01-08	518POV021L2BOG19SPB01-08	0.59	450	12
5	Lake Oroville	L2	Spotted Bass	I_518POV021L2BOG19SPB02-01	518POV021L2BOG19SPB02-01	0.14	185	2
5	Lake Oroville	L2	Spotted Bass	I_518POV021L2BOG19SPB02-02	518POV021L2BOG19SPB02-02	0.18	215	3
5	Lake Oroville	L2	Spotted Bass	I_518POV021L2BOG19SPB02-03	518POV021L2BOG19SPB02-03	0.22	256	4
5	Lake Oroville	L2	Spotted Bass	I_518POV021L2BOG19SPB02-04	518POV021L2BOG19SPB02-04	0.29	322	6
5	Lake Oroville	L2	Spotted Bass	I_518POV021L2BOG19SPB02-05	518POV021L2BOG19SPB02-05	0.55	360	7
5	Lake Oroville	L2	Spotted Bass	I_518POV021L2BOG19SPB02-06	518POV021L2BOG19SPB02-06	0.45	360	5
5	Lake Oroville	L3	Chinook Salmon	I_518POV021L3BOG19CHS01-01	518POV021L3BOG19CHS01-01	0.27	384	
5	Lake Oroville	L3	Chinook Salmon	I_518POV021L3BOG19CHS01-	518POV021L3BOG19CHS01-	0.22	384	

Region	Waterbody Name	Location	Common Name	Sample ID	Organism ID	Mercury (µg/g ww)	Total Length (mm)	Age (year)
				02	02			
5	Lake Oroville	L3	Chinook Salmon	I_518POV021L3BOG19CHS01-03	518POV021L3BOG19CHS01-03	0.22	387	
5	Lake Oroville	L3	Chinook Salmon	I_518POV021L3BOG19CHS01-04	518POV021L3BOG19CHS01-04	0.26	420	
5	Lake Oroville	L3	Chinook Salmon	I_518POV021L3BOG19CHS01-05	518POV021L3BOG19CHS01-05	0.30	411	
5	Lake Oroville	L3	Chinook Salmon	I_518POV021L3BOG19CHS01-06	518POV021L3BOG19CHS01-06	0.24	414	
5	Lake Oroville	L3	Chinook Salmon	I_518POV021L3BOG19CHS01-07	518POV021L3BOG19CHS01-07	0.32	405	
5	Lake Oroville	L3	Chinook Salmon	I_518POV021L3BOG19CHS01-08	518POV021L3BOG19CHS01-08	0.25	440	
5	Lake Oroville	L3	Chinook Salmon	I_518POV021L3BOG19CHS01-09	518POV021L3BOG19CHS01-09	0.28	401	
5	Lake Oroville	L3	Chinook Salmon	I_518POV021L3BOG19CHS01-10	518POV021L3BOG19CHS01-10	0.98	542	
5	Lake Oroville	L3	Largemouth Bass	I_518POV021L3BOG19LMB02-01	518POV021L3BOG19LMB02-01	0.48	365	6
5	Lake Oroville	L3	Largemouth Bass	I_518POV021L3BOG19LMB02-02	518POV021L3BOG19LMB02-02	0.29	334	6
5	Lake Oroville	L3	Spotted Bass	I_518POV021L3BOG19SPB01-01	518POV021L3BOG19SPB01-01	0.19	207	3
5	Lake Oroville	L3	Spotted Bass	I_518POV021L3BOG19SPB01-02	518POV021L3BOG19SPB01-02	0.16	210	3
5	Lake Oroville	L3	Spotted Bass	I_518POV021L3BOG19SPB01-03	518POV021L3BOG19SPB01-03	0.16	209	3
5	Lake Oroville	L3	Spotted Bass	I_518POV021L3BOG19SPB01-04	518POV021L3BOG19SPB01-04	0.17	209	3
5	Lake Oroville	L3	Spotted Bass	I_518POV021L3BOG19SPB01-05	518POV021L3BOG19SPB01-05	0.17	201	3
5	Lake Oroville	L3	Spotted Bass	I_518POV021L3BOG19SPB01-06	518POV021L3BOG19SPB01-06	0.19	202	3

Region	Waterbody Name	Location	Common Name	Sample ID	Organism ID	Mercury (µg/g ww)	Total Length (mm)	Age (year)
5	Lake Oroville	L3	Spotted Bass	I_518POV021L3BOG19SPB01-07	518POV021L3BOG19SPB01-07	0.22	209	3
5	Lake Oroville	L3	Spotted Bass	I_518POV021L3BOG19SPB01-08	518POV021L3BOG19SPB01-08	0.17	215	3
5	Lake Oroville	L3	Spotted Bass	I_518POV021L3BOG19SPB01-09	518POV021L3BOG19SPB01-09	0.37	367	5
5	Lake Oroville	L3	Spotted Bass	I_518POV021L3BOG19SPB02-03	518POV021L3BOG19SPB02-03	0.51	431	9
5	Lake Oroville	L3	Spotted Bass	I_518POV021L3BOG19SPB02-04	518POV021L3BOG19SPB02-04	0.45	405	8
5	Lake Oroville	L3	Spotted Bass	I_518POV021L3BOG19SPB02-05	518POV021L3BOG19SPB02-05	0.76	461	10
5	Lake Oroville	L4	Largemouth Bass	I_518POV021L4BOG19LMB02-01	518POV021L4BOG19LMB02-01	0.31	236	3
5	Lake Oroville	L4	Largemouth Bass	I_518POV021L4BOG19LMB02-02	518POV021L4BOG19LMB02-02	0.30	229	3
5	Lake Oroville	L4	Largemouth Bass	I_518POV021L4BOG19LMB02-03	518POV021L4BOG19LMB02-03	0.37	265	4
5	Lake Oroville	L4	Largemouth Bass	I_518POV021L4BOG19LMB02-04	518POV021L4BOG19LMB02-04	0.30	283	5
5	Lake Oroville	L4	Largemouth Bass	I_518POV021L4BOG19LMB02-05	518POV021L4BOG19LMB02-05	0.37	306	6
5	Lake Oroville	L4	Largemouth Bass	I_518POV021L4BOG19LMB02-06	518POV021L4BOG19LMB02-06	0.33	308	6
5	Lake Oroville	L4	Largemouth Bass	I_518POV021L4BOG19LMB02-07	518POV021L4BOG19LMB02-07	0.38	339	7
5	Lake Oroville	L4	Largemouth Bass	I_518POV021L4BOG19LMB02-08	518POV021L4BOG19LMB02-08	0.30	342	7
5	Lake Oroville	L4	Largemouth Bass	I_518POV021L4BOG19LMB02-09	518POV021L4BOG19LMB02-09	0.45	337	7
5	Lake Oroville	L4	Largemouth Bass	I_518POV021L4BOG19LMB03-01	518POV021L4BOG19LMB03-01	0.70	380	8
5	Lake Oroville	L4	Largemouth Bass	I_518POV021L4BOG19LMB03-	518POV021L4BOG19LMB03-	0.65	380	8

Region	Waterbody Name	Location	Common Name	Sample ID	Organism ID	Mercury (µg/g ww)	Total Length (mm)	Age (year)
				02	02			
5	Lake Oroville	L4	Largemouth Bass	I_518POV021L4BOG19LMB03-03	518POV021L4BOG19LMB03-03	0.91	409	9
5	Lake Oroville	L4	Largemouth Bass	I_518POV021L4BOG19LMB03-04	518POV021L4BOG19LMB03-04	0.52	421	11
5	Lake Oroville	L4	Largemouth Bass	I_518POV021L4BOG19LMB03-05	518POV021L4BOG19LMB03-05	1.11	539	14
5	East Park Reservoir	L1	Largemouth Bass	I_522PEP025L1BOG19LMB01-01	522PEP025L1BOG19LMB01-01	0.08	208	3
5	East Park Reservoir	L1	Largemouth Bass	I_522PEP025L1BOG19LMB01-02	522PEP025L1BOG19LMB01-02	0.13	209	3
5	East Park Reservoir	L1	Largemouth Bass	I_522PEP025L1BOG19LMB01-03	522PEP025L1BOG19LMB01-03	0.25	297	5
5	East Park Reservoir	L1	Largemouth Bass	I_522PEP025L1BOG19LMB01-04	522PEP025L1BOG19LMB01-04	0.34	286	5
5	East Park Reservoir	L1	Largemouth Bass	I_522PEP025L1BOG19LMB01-05	522PEP025L1BOG19LMB01-05	0.34	325	7
5	East Park Reservoir	L1	Largemouth Bass	I_522PEP025L1BOG19LMB01-06	522PEP025L1BOG19LMB01-06	0.33	341	8
5	East Park Reservoir	L1	Largemouth Bass	I_522PEP025L1BOG19LMB01-07	522PEP025L1BOG19LMB01-07	0.61	360	9
5	East Park Reservoir	L1	Largemouth Bass	I_522PEP025L1BOG19LMB01-08	522PEP025L1BOG19LMB01-08	0.38	350	9
5	East Park Reservoir	L1	Largemouth Bass	I_522PEP025L1BOG19LMB01-09	522PEP025L1BOG19LMB01-09	0.35	342	9
5	East Park Reservoir	L1	Largemouth Bass	I_522PEP025L1BOG19LMB02-01	522PEP025L1BOG19LMB02-01	0.40	351	9
5	East Park Reservoir	L1	Largemouth Bass	I_522PEP025L1BOG19LMB02-02	522PEP025L1BOG19LMB02-02	0.43	344	9
5	East Park Reservoir	L1	Largemouth Bass	I_522PEP025L1BOG19LMB02-03	522PEP025L1BOG19LMB02-03	0.41	370	10
5	East Park Reservoir	L1	Largemouth Bass	I_522PEP025L1BOG19LMB02-04	522PEP025L1BOG19LMB02-04	0.63	428	12

Region	Waterbody Name	Location	Common Name	Sample ID	Organism ID	Mercury (µg/g ww)	Total Length (mm)	Age (year)
5	East Park Reservoir	L1	Largemouth Bass	I_522PEP025L1BOG19LMB02-05	522PEP025L1BOG19LMB02-05	0.52	386	11
5	East Park Reservoir	L2	Largemouth Bass	I_522PEP025L2BOG19LMB01-01	522PEP025L2BOG19LMB01-01	0.14	208	2
5	East Park Reservoir	L2	Largemouth Bass	I_522PEP025L2BOG19LMB01-02	522PEP025L2BOG19LMB01-02	0.20	227	3
5	East Park Reservoir	L2	Largemouth Bass	I_522PEP025L2BOG19LMB01-03	522PEP025L2BOG19LMB01-03	0.20	296	5
5	East Park Reservoir	L2	Largemouth Bass	I_522PEP025L2BOG19LMB01-04	522PEP025L2BOG19LMB01-04	0.22	281	5
5	East Park Reservoir	L2	Largemouth Bass	I_522PEP025L2BOG19LMB01-05	522PEP025L2BOG19LMB01-05	0.29	348	7
5	East Park Reservoir	L2	Largemouth Bass	I_522PEP025L2BOG19LMB01-06	522PEP025L2BOG19LMB01-06	0.32	325	7
5	East Park Reservoir	L2	Largemouth Bass	I_522PEP025L2BOG19LMB01-07	522PEP025L2BOG19LMB01-07	0.30	359	8
5	East Park Reservoir	L2	Largemouth Bass	I_522PEP025L2BOG19LMB01-08	522PEP025L2BOG19LMB01-08	0.27	340	8
5	East Park Reservoir	L2	Largemouth Bass	I_522PEP025L2BOG19LMB01-09	522PEP025L2BOG19LMB01-09	0.40	338	7
5	East Park Reservoir	L2	Largemouth Bass	I_522PEP025L2BOG19LMB02-01	522PEP025L2BOG19LMB02-01	0.32	354	7
5	East Park Reservoir	L2	Largemouth Bass	I_522PEP025L2BOG19LMB02-02	522PEP025L2BOG19LMB02-02	0.51	377	9
5	East Park Reservoir	L2	Largemouth Bass	I_522PEP025L2BOG19LMB02-03	522PEP025L2BOG19LMB02-03	0.46	392	9
5	East Park Reservoir	L2	Largemouth Bass	I_522PEP025L2BOG19LMB02-04	522PEP025L2BOG19LMB02-04	0.39	420	10
5	East Park Reservoir	L2	Largemouth Bass	I_522PEP025L2BOG19LMB02-05	522PEP025L2BOG19LMB02-05	0.67	456	11
5	Siskiyou Lake	NA	Brown Trout	I_525PSL186BOG19BNT01-01	525PSL186BOG19BNT01-01	0.12	455	
5	Siskiyou Lake	NA	Brown Trout	I_525PSL186BOG19BNT01-01	525PSL186BOG19BNT01-01	0.12	455	

Region	Waterbody Name	Location	Common Name	Sample ID	Organism ID	Mercury (µg/g ww)	Total Length (mm)	Age (year)
5	Siskiyou Lake	NA	Rainbow Trout	I_525PSL186BOG19RBT01-01	525PSL186BOG19RBT01-01	0.02	566	
5	Siskiyou Lake	NA	Rainbow Trout	I_525PSL186BOG19RBT01-02	525PSL186BOG19RBT01-02	0.02	460	
5	Siskiyou Lake	NA	Rainbow Trout	I_525PSL186BOG19RBT01-03	525PSL186BOG19RBT01-03	0.02	438	
5	Siskiyou Lake	NA	Rainbow Trout	I_525PSL186BOG19RBT01-04	525PSL186BOG19RBT01-04	0.02	460	
5	Siskiyou Lake	NA	Rainbow Trout	I_525PSL186BOG19RBT01-05	525PSL186BOG19RBT01-05	0.02	565	
5	Siskiyou Lake	NA	Rainbow Trout	I_525PSL186BOG19RBT02-01	525PSL186BOG19RBT02-01	0.04	405	
5	Siskiyou Lake	NA	Rainbow Trout	I_525PSL186BOG19RBT02-02	525PSL186BOG19RBT02-02	0.02	472	
5	Siskiyou Lake	NA	Rainbow Trout	I_525PSL186BOG19RBT02-03	525PSL186BOG19RBT02-03	0.01	546	
5	Siskiyou Lake	NA	Rainbow Trout	I_525PSL186BOG19RBT02-04	525PSL186BOG19RBT02-04	0.02	497	
5	Siskiyou Lake	NA	Rainbow Trout	I_525PSL186BOG19RBT02-05	525PSL186BOG19RBT02-05	0.03	480	
5	Siskiyou Lake	NA	Spotted Bass	I_525PSL186BOG19SPB02-01	525PSL186BOG19SPB02-01	0.19	218	4
5	Siskiyou Lake	NA	Spotted Bass	I_525PSL186BOG19SPB02-02	525PSL186BOG19SPB02-02	0.39	280	6
5	Siskiyou Lake	NA	Spotted Bass	I_525PSL186BOG19SPB02-03	525PSL186BOG19SPB02-03	0.24	264	5
5	Siskiyou Lake	NA	Spotted Bass	I_525PSL186BOG19SPB02-04	525PSL186BOG19SPB02-04	0.34	290	6
5	Siskiyou Lake	NA	Spotted Bass	I_525PSL186BOG19SPB02-05	525PSL186BOG19SPB02-05	0.27	321	7
5	Siskiyou Lake	NA	Spotted Bass	I_525PSL186BOG19SPB02-06	525PSL186BOG19SPB02-06	0.40	380	10
5	Tulloch Reservoir	L1	Largemouth Bass	I_534PTR111L1BOG19LMB02-01	534PTR111L1BOG19LMB02-01	0.19	222	3
5	Tulloch Reservoir	L1	Largemouth Bass	I_534PTR111L1BOG19LMB02-02	534PTR111L1BOG19LMB02-02	0.14	228	4
5	Tulloch Reservoir	L1	Largemouth Bass	I_534PTR111L1BOG19LMB02-03	534PTR111L1BOG19LMB02-03	0.59	391	9
5	Tulloch Reservoir	L1	Largemouth Bass	I_534PTR111L1BOG19LMB02-04	534PTR111L1BOG19LMB02-04	0.51	395	9
5	Tulloch Reservoir	L1	Largemouth Bass	I_534PTR111L1BOG19LMB02-05	534PTR111L1BOG19LMB02-05	0.60	380	9
5	Tulloch Reservoir	L1	Largemouth Bass	I_534PTR111L1BOG19LMB02-06	534PTR111L1BOG19LMB02-06	0.55	398	10
5	Tulloch Reservoir	L1	Largemouth Bass	I_534PTR111L1BOG19LMB02-07	534PTR111L1BOG19LMB02-07	0.51	400	10



Region	Waterbody Name	Location	Common Name	Sample ID	Organism ID	Mercury (µg/g ww)	Total Length (mm)	Age (year)
5	Tulloch Reservoir	L1	Largemouth Bass	I_534PTR111L1BOG19LMB02-08	534PTR111L1BOG19LMB02-08	0.61	407	10
5	Tulloch Reservoir	L1	Largemouth Bass	I_534PTR111L1BOG19LMB02-09	534PTR111L1BOG19LMB02-09	0.46	410	10
5	Tulloch Reservoir	L1	Largemouth Bass	I_534PTR111L1BOG19LMB03-01	534PTR111L1BOG19LMB03-01	0.53	425	11
5	Tulloch Reservoir	L1	Largemouth Bass	I_534PTR111L1BOG19LMB03-02	534PTR111L1BOG19LMB03-02	0.55	426	11
5	Tulloch Reservoir	L1	Largemouth Bass	I_534PTR111L1BOG19LMB03-03	534PTR111L1BOG19LMB03-03	0.55	442	12
5	Tulloch Reservoir	L1	Largemouth Bass	I_534PTR111L1BOG19LMB03-04	534PTR111L1BOG19LMB03-04	0.70	443	12
5	Tulloch Reservoir	L1	Largemouth Bass	I_534PTR111L1BOG19LMB03-05	534PTR111L1BOG19LMB03-05	0.60	460	13
5	Tulloch Reservoir	L2	Largemouth Bass	I_534PTR111L2BOG19LMB02-01	534PTR111L2BOG19LMB02-01	0.42	355	8
5	Tulloch Reservoir	L2	Largemouth Bass	I_534PTR111L2BOG19LMB02-02	534PTR111L2BOG19LMB02-02	0.89	380	9
5	Tulloch Reservoir	L2	Largemouth Bass	I_534PTR111L2BOG19LMB02-03	534PTR111L2BOG19LMB02-03	0.90	382	10
5	Tulloch Reservoir	L2	Largemouth Bass	I_534PTR111L2BOG19LMB02-04	534PTR111L2BOG19LMB02-04	0.69	416	11
5	Tulloch Reservoir	L2	Largemouth Bass	I_534PTR111L2BOG19LMB02-05	534PTR111L2BOG19LMB02-05	1.57	485	14
5	Tulloch Reservoir	L2	Largemouth Bass	I_534PTR111L2BOG19LMB03-01	534PTR111L2BOG19LMB03-01	0.55	465	14
5	Tulloch Reservoir	L2	Largemouth Bass	I_534PTR111L2BOG19LMB03-02	534PTR111L2BOG19LMB03-02	0.71	642	18
5	Tulloch Reservoir	L2	Largemouth Bass	I_534PTR111L2BOG19LMB03-03	534PTR111L2BOG19LMB03-03	0.76	620	17
5	Modesto Reservoir	L1	Largemouth Bass	I_535PMR063L1BOG19LMB01-01	535PMR063L1BOG19LMB01-01	0.05	200	3
5	Modesto Reservoir	L1	Largemouth Bass	I_535PMR063L1BOG19LMB01-	535PMR063L1BOG19LMB01-	0.13	246	4

Region	Waterbody Name	Location	Common Name	Sample ID	Organism ID	Mercury (µg/g ww)	Total Length (mm)	Age (year)
				02	02			
5	Modesto Reservoir	L1	Largemouth Bass	I_535PMR063L1BOG19LMB01-03	535PMR063L1BOG19LMB01-03	0.08	238	4
5	Modesto Reservoir	L1	Largemouth Bass	I_535PMR063L1BOG19LMB01-04	535PMR063L1BOG19LMB01-04	0.07	237	4
5	Modesto Reservoir	L1	Largemouth Bass	I_535PMR063L1BOG19LMB01-05	535PMR063L1BOG19LMB01-05	0.09	253	5
5	Modesto Reservoir	L1	Largemouth Bass	I_535PMR063L1BOG19LMB01-06	535PMR063L1BOG19LMB01-06	0.12	252	5
5	Modesto Reservoir	L1	Largemouth Bass	I_535PMR063L1BOG19LMB01-07	535PMR063L1BOG19LMB01-07	0.09	269	6
5	Modesto Reservoir	L1	Largemouth Bass	I_535PMR063L1BOG19LMB01-08	535PMR063L1BOG19LMB01-08	0.12	256	6
5	Modesto Reservoir	L1	Largemouth Bass	I_535PMR063L1BOG19LMB01-09	535PMR063L1BOG19LMB01-09	0.08	262	6
5	Modesto Reservoir	L1	Largemouth Bass	I_535PMR063L1BOG19LMB02-01	535PMR063L1BOG19LMB02-01	0.17	277	7
5	Modesto Reservoir	L1	Largemouth Bass	I_535PMR063L1BOG19LMB02-02	535PMR063L1BOG19LMB02-02	0.20	306	8
5	Modesto Reservoir	L1	Largemouth Bass	I_535PMR063L1BOG19LMB02-03	535PMR063L1BOG19LMB02-03	0.15	282	6
5	Modesto Reservoir	L1	Largemouth Bass	I_535PMR063L1BOG19LMB02-04	535PMR063L1BOG19LMB02-04	0.22	313	9
5	Modesto Reservoir	L1	Largemouth Bass	I_535PMR063L1BOG19LMB02-05	535PMR063L1BOG19LMB02-05	0.20	390	12
5	Modesto Reservoir	L2	Largemouth Bass	I_535PMR063L2BOG19LMB01-01	535PMR063L2BOG19LMB01-01	0.07	210	2
5	Modesto Reservoir	L2	Largemouth Bass	I_535PMR063L2BOG19LMB01-02	535PMR063L2BOG19LMB01-02	0.12	257	5
5	Modesto Reservoir	L2	Largemouth Bass	I_535PMR063L2BOG19LMB01-03	535PMR063L2BOG19LMB01-03	0.08	246	5
5	Modesto Reservoir	L2	Largemouth Bass	I_535PMR063L2BOG19LMB01-04	535PMR063L2BOG19LMB01-04	0.06	245	4

Region	Waterbody Name	Location	Common Name	Sample ID	Organism ID	Mercury (µg/g ww)	Total Length (mm)	Age (year)
5	Modesto Reservoir	L2	Largemouth Bass	I_535PMR063L2BOG19LMB01-05	535PMR063L2BOG19LMB01-05	0.09	237	4
5	Modesto Reservoir	L2	Largemouth Bass	I_535PMR063L2BOG19LMB01-06	535PMR063L2BOG19LMB01-06	0.17	264	5
5	Modesto Reservoir	L2	Largemouth Bass	I_535PMR063L2BOG19LMB01-07	535PMR063L2BOG19LMB01-07	0.07	252	4
5	Modesto Reservoir	L2	Largemouth Bass	I_535PMR063L2BOG19LMB01-08	535PMR063L2BOG19LMB01-08	0.30	281	7
5	Modesto Reservoir	L2	Largemouth Bass	I_535PMR063L2BOG19LMB01-09	535PMR063L2BOG19LMB01-09	0.22	316	8
5	Modesto Reservoir	L2	Largemouth Bass	I_535PMR063L2BOG19LMB02-01	535PMR063L2BOG19LMB02-01	0.15	334	10
5	Modesto Reservoir	L2	Largemouth Bass	I_535PMR063L2BOG19LMB02-02	535PMR063L2BOG19LMB02-02	0.19	295	7
5	Modesto Reservoir	L2	Largemouth Bass	I_535PMR063L2BOG19LMB02-03	535PMR063L2BOG19LMB02-03	0.13	284	7
5	Modesto Reservoir	L2	Largemouth Bass	I_535PMR063L2BOG19LMB02-04	535PMR063L2BOG19LMB02-04	0.13	276	7
5	Modesto Reservoir	L2	Largemouth Bass	I_535PMR063L2BOG19LMB02-05	535PMR063L2BOG19LMB02-05	0.15	419	13
5	Bass Lake	NA	Kokanee	I_540PBL098BOG19KOK01-01	540PBL098BOG19KOK01-01	0.15	450	
5	Bass Lake	NA	Kokanee	I_540PBL098BOG19KOK02-01	540PBL098BOG19KOK02-01	0.16	395	
5	Bass Lake	NA	Kokanee	I_540PBL098BOG19KOK02-02	540PBL098BOG19KOK02-02	0.16	380	
5	Bass Lake	NA	Kokanee	I_540PBL098BOG19KOK02-03	540PBL098BOG19KOK02-03	0.18	432	
5	Bass Lake	NA	Kokanee	I_540PBL098BOG19KOK02-04	540PBL098BOG19KOK02-04	0.16	395	
5	Bass Lake	NA	Kokanee	I_540PBL098BOG19KOK02-05	540PBL098BOG19KOK02-05	0.13	385	
5	Bass Lake	NA	Kokanee	I_540PBL098BOG19KOK03-01	540PBL098BOG19KOK03-01	0.16	434	
5	Bass Lake	NA	Kokanee	I_540PBL098BOG19KOK03-02	540PBL098BOG19KOK03-02	0.18	417	
5	Bass Lake	NA	Kokanee	I_540PBL098BOG19KOK03-03	540PBL098BOG19KOK03-03	0.13	460	
5	Bass Lake	NA	Kokanee	I_540PBL098BOG19KOK03-04	540PBL098BOG19KOK03-04	0.13	444	
5	Bass Lake	NA	Rainbow Trout	I_540PBL098BOG19RBT01-01	540PBL098BOG19RBT01-01	0.13	555	

Region	Waterbody Name	Location	Common Name	Sample ID	Organism ID	Mercury (µg/g ww)	Total Length (mm)	Age (year)
5	Bass Lake	NA	Rainbow Trout	I_540PBL098BOG19RBT01-02	540PBL098BOG19RBT01-02	0.08	440	
5	Bass Lake	NA	Rainbow Trout	I_540PBL098BOG19RBT01-03	540PBL098BOG19RBT01-03	0.06	395	
5	Bass Lake	NA	Rainbow Trout	I_540PBL098BOG19RBT01-04	540PBL098BOG19RBT01-04	0.03	345	
5	Bass Lake	NA	Rainbow Trout	I_540PBL098BOG19RBT01-05	540PBL098BOG19RBT01-05	0.03	342	
5	Bass Lake	NA	Rainbow Trout	I_540PBL098BOG19RBT02-01	540PBL098BOG19RBT02-01	0.02	424	
5	Bass Lake	NA	Rainbow Trout	I_540PBL098BOG19RBT02-02	540PBL098BOG19RBT02-02	0.11	418	
5	Bass Lake	NA	Rainbow Trout	I_540PBL098BOG19RBT02-03	540PBL098BOG19RBT02-03	0.03	315	
5	Bass Lake	NA	Rainbow Trout	I_540PBL098BOG19RBT02-04	540PBL098BOG19RBT02-04	0.05	335	
5	Bass Lake	NA	Spotted Bass	I_540PBL098BOG19SPB02-01	540PBL098BOG19SPB02-01	0.09	215	3
5	Bass Lake	NA	Spotted Bass	I_540PBL098BOG19SPB02-02	540PBL098BOG19SPB02-02	0.21	240	3
5	Bass Lake	NA	Spotted Bass	I_540PBL098BOG19SPB02-03	540PBL098BOG19SPB02-03	0.23	282	4
5	Bass Lake	NA	Spotted Bass	I_540PBL098BOG19SPB02-04	540PBL098BOG19SPB02-04	0.20	265	5
5	Bass Lake	NA	Spotted Bass	I_540PBL098BOG19SPB02-05	540PBL098BOG19SPB02-05	0.20	305	7
5	Bass Lake	NA	Spotted Bass	I_540PBL098BOG19SPB02-06	540PBL098BOG19SPB02-06	0.29	312	7
5	Bass Lake	NA	Spotted Bass	I_540PBL098BOG19SPB02-07	540PBL098BOG19SPB02-07	0.19	328	8
5	Bass Lake	NA	Spotted Bass	I_540PBL098BOG19SPB02-08	540PBL098BOG19SPB02-08	0.21	306	7
5	Bass Lake	NA	Spotted Bass	I_540PBL098BOG19SPB02-09	540PBL098BOG19SPB02-09	0.27	308	8
5	Bass Lake	NA	Spotted Bass	I_540PBL098BOG19SPB03-01	540PBL098BOG19SPB03-01	0.18	307	8
5	Bass Lake	NA	Spotted Bass	I_540PBL098BOG19SPB03-02	540PBL098BOG19SPB03-02	0.33	330	10
5	Bass Lake	NA	Spotted Bass	I_540PBL098BOG19SPB03-03	540PBL098BOG19SPB03-03	0.35	358	10
5	Bass Lake	NA	Spotted Bass	I_540PBL098BOG19SPB03-04	540PBL098BOG19SPB03-04	0.48	412	13
5	Bass Lake	NA	Spotted Bass	I_540PBL098BOG19SPB03-05	540PBL098BOG19SPB03-05	0.57	407	11
5	San Luis Reservoir	L1	Largemouth Bass	I_542PLS200L1BOG19LMB01-01	542PLS200L1BOG19LMB01-01	0.13	222	3
5	San Luis Reservoir	L1	Largemouth Bass	I_542PLS200L1BOG19LMB01-02	542PLS200L1BOG19LMB01-02	0.14	258	4
5	San Luis Reservoir	L1	Largemouth Bass	I_542PLS200L1BOG19LMB01-03	542PLS200L1BOG19LMB01-03	0.43	310	6
5	San Luis Reservoir	L1	Largemouth Bass	I_542PLS200L1BOG19LMB01-04	542PLS200L1BOG19LMB01-04	0.41	318	6

Region	Waterbody Name	Location	Common Name	Sample ID	Organism ID	Mercury (µg/g ww)	Total Length (mm)	Age (year)
5	San Luis Reservoir	L1	Largemouth Bass	I_542PLS200L1BOG19LMB01-05	542PLS200L1BOG19LMB01-05	0.31	306	6
5	San Luis Reservoir	L1	Largemouth Bass	I_542PLS200L1BOG19LMB01-06	542PLS200L1BOG19LMB01-06	0.18	307	6
5	San Luis Reservoir	L1	Largemouth Bass	I_542PLS200L1BOG19LMB01-07	542PLS200L1BOG19LMB01-07	0.28	300	7
5	San Luis Reservoir	L1	Largemouth Bass	I_542PLS200L1BOG19LMB01-08	542PLS200L1BOG19LMB01-08	0.23	295	6
5	San Luis Reservoir	L1	Largemouth Bass	I_542PLS200L1BOG19LMB01-09	542PLS200L1BOG19LMB01-09	0.31	330	7
5	San Luis Reservoir	L1	Largemouth Bass	I_542PLS200L1BOG19LMB02-01	542PLS200L1BOG19LMB02-01	0.38	345	8
5	San Luis Reservoir	L1	Largemouth Bass	I_542PLS200L1BOG19LMB02-02	542PLS200L1BOG19LMB02-02	0.55	358	9
5	San Luis Reservoir	L1	Largemouth Bass	I_542PLS200L1BOG19LMB02-03	542PLS200L1BOG19LMB02-03	0.32	360	9
5	San Luis Reservoir	L1	Largemouth Bass	I_542PLS200L1BOG19LMB02-04	542PLS200L1BOG19LMB02-04	0.74	420	12
5	San Luis Reservoir	L1	Largemouth Bass	I_542PLS200L1BOG19LMB02-05	542PLS200L1BOG19LMB02-05	0.76	458	13
5	San Luis Reservoir	L1	Striped Bass	I_542PLS200L1BOG19STB01-01	542PLS200L1BOG19STB01-01	0.62	500	
5	San Luis Reservoir	L2	Largemouth Bass	I_542PLS200L2BOG19LMB01-01	542PLS200L2BOG19LMB01-01	0.16	233	3
5	San Luis Reservoir	L2	Largemouth Bass	I_542PLS200L2BOG19LMB01-02	542PLS200L2BOG19LMB01-02	0.15	240	3
5	San Luis Reservoir	L2	Largemouth Bass	I_542PLS200L2BOG19LMB01-03	542PLS200L2BOG19LMB01-03	0.21	286	6
5	San Luis Reservoir	L2	Largemouth Bass	I_542PLS200L2BOG19LMB01-04	542PLS200L2BOG19LMB01-04	0.24	261	5
5	San Luis Reservoir	L2	Largemouth Bass	I_542PLS200L2BOG19LMB01-05	542PLS200L2BOG19LMB01-05	0.32	310	7
5	San Luis Reservoir	L2	Largemouth Bass	I_542PLS200L2BOG19LMB01-	542PLS200L2BOG19LMB01-	0.70	381	10

Region	Waterbody Name	Location	Common Name	Sample ID	Organism ID	Mercury (µg/g ww)	Total Length (mm)	Age (year)
				06	06			
5	San Luis Reservoir	L2	Largemouth Bass	I_542PLS200L2BOG19LMB01-07	542PLS200L2BOG19LMB01-07	0.70	311	8
5	San Luis Reservoir	L2	Largemouth Bass	I_542PLS200L2BOG19LMB01-08	542PLS200L2BOG19LMB01-08	0.37	313	8
5	San Luis Reservoir	L2	Largemouth Bass	I_542PLS200L2BOG19LMB01-09	542PLS200L2BOG19LMB01-09	0.31	331	9
5	San Luis Reservoir	L2	Largemouth Bass	I_542PLS200L2BOG19LMB02-01	542PLS200L2BOG19LMB02-01	0.42	325	9
5	San Luis Reservoir	L2	Largemouth Bass	I_542PLS200L2BOG19LMB02-02	542PLS200L2BOG19LMB02-02	0.33	330	9
5	San Luis Reservoir	L2	Largemouth Bass	I_542PLS200L2BOG19LMB02-03	542PLS200L2BOG19LMB02-03	0.29	332	9
5	San Luis Reservoir	L2	Largemouth Bass	I_542PLS200L2BOG19LMB02-04	542PLS200L2BOG19LMB02-04	0.37	371	10
5	San Luis Reservoir	L2	Largemouth Bass	I_542PLS200L2BOG19LMB02-05	542PLS200L2BOG19LMB02-05	0.58	378	10
5	San Luis Reservoir	L2	Striped Bass	I_542PLS200L2BOG19STB01-01	542PLS200L2BOG19STB01-01	0.38	451	
5	San Luis Reservoir	L2	Striped Bass	I_542PLS200L2BOG19STB01-02	542PLS200L2BOG19STB01-02	0.48	476	
5	San Luis Reservoir	L2	Striped Bass	I_542PLS200L2BOG19STB01-03	542PLS200L2BOG19STB01-03	0.23	461	
5	San Luis Reservoir	L2	Striped Bass	I_542PLS200L2BOG19STB01-04	542PLS200L2BOG19STB01-04	0.48	448	
5	San Luis Reservoir	L2	Striped Bass	I_542PLS200L2BOG19STB01-05	542PLS200L2BOG19STB01-05	0.54	497	
5	San Luis Reservoir	L3	Largemouth Bass	I_542PLS200L3BOG19LMB01-01	542PLS200L3BOG19LMB01-01	0.12	210	4
5	San Luis Reservoir	L3	Largemouth Bass	I_542PLS200L3BOG19LMB01-02	542PLS200L3BOG19LMB01-02	0.24	218	4
5	San Luis Reservoir	L3	Largemouth Bass	I_542PLS200L3BOG19LMB01-03	542PLS200L3BOG19LMB01-03	0.20	229	3

Region	Waterbody Name	Location	Common Name	Sample ID	Organism ID	Mercury (µg/g ww)	Total Length (mm)	Age (year)
5	San Luis Reservoir	L3	Largemouth Bass	I_542PLS200L3BOG19LMB01-04	542PLS200L3BOG19LMB01-04	0.20	305	6
5	San Luis Reservoir	L3	Largemouth Bass	I_542PLS200L3BOG19LMB01-05	542PLS200L3BOG19LMB01-05	0.30	323	7
5	San Luis Reservoir	L3	Largemouth Bass	I_542PLS200L3BOG19LMB01-06	542PLS200L3BOG19LMB01-06	0.12	293	7
5	San Luis Reservoir	L3	Largemouth Bass	I_542PLS200L3BOG19LMB01-07	542PLS200L3BOG19LMB01-07	0.52	339	7
5	San Luis Reservoir	L3	Largemouth Bass	I_542PLS200L3BOG19LMB01-08	542PLS200L3BOG19LMB01-08	0.36	336	8
5	San Luis Reservoir	L3	Largemouth Bass	I_542PLS200L3BOG19LMB01-09	542PLS200L3BOG19LMB01-09	0.38	329	9
5	San Luis Reservoir	L3	Largemouth Bass	I_542PLS200L3BOG19LMB02-01	542PLS200L3BOG19LMB02-01	0.23	335	8
5	San Luis Reservoir	L3	Largemouth Bass	I_542PLS200L3BOG19LMB02-02	542PLS200L3BOG19LMB02-02	0.72	385	9
5	San Luis Reservoir	L3	Largemouth Bass	I_542PLS200L3BOG19LMB02-03	542PLS200L3BOG19LMB02-03	0.34	375	9
5	San Luis Reservoir	L3	Largemouth Bass	I_542PLS200L3BOG19LMB02-04	542PLS200L3BOG19LMB02-04	1.37	390	11
5	San Luis Reservoir	L3	Largemouth Bass	I_542PLS200L3BOG19LMB02-05	542PLS200L3BOG19LMB02-05	0.52	420	12
5	San Luis Reservoir	L3	Striped Bass	I_542PLS200L3BOG19STB01-01	542PLS200L3BOG19STB01-01	0.33	461	
5	San Luis Reservoir	L3	Striped Bass	I_542PLS200L3BOG19STB01-02	542PLS200L3BOG19STB01-02	0.28	458	
5	San Luis Reservoir	L3	Striped Bass	I_542PLS200L3BOG19STB01-03	542PLS200L3BOG19STB01-03	0.23	449	
5	San Luis Reservoir	L3	Striped Bass	I_542PLS200L3BOG19STB01-04	542PLS200L3BOG19STB01-04	0.66	441	
5	San Luis Reservoir	L3	Striped Bass	I_542PLS200L3BOG19STB01-05	542PLS200L3BOG19STB01-05	0.52	560	
6	Little Rock Reservoir	NA	Largemouth Bass	I_626PLR135BOG19LMB01-01	626PLR135BOG19LMB01-01	0.36	183	3

Region	Waterbody Name	Location	Common Name	Sample ID	Organism ID	Mercury (µg/g ww)	Total Length (mm)	Age (year)
6	Little Rock Reservoir	NA	Largemouth Bass	I_626PLR135BOG19LMB01-02	626PLR135BOG19LMB01-02	0.31	200	3
6	Little Rock Reservoir	NA	Largemouth Bass	I_626PLR135BOG19LMB01-03	626PLR135BOG19LMB01-03	0.43	195	3
6	Little Rock Reservoir	NA	Largemouth Bass	I_626PLR135BOG19LMB01-04	626PLR135BOG19LMB01-04	1.59	304	6
6	Little Rock Reservoir	NA	Largemouth Bass	I_626PLR135BOG19LMB01-05	626PLR135BOG19LMB01-05	2.16	320	7
6	Little Rock Reservoir	NA	Largemouth Bass	I_626PLR135BOG19LMB01-06	626PLR135BOG19LMB01-06	1.32	332	8
6	Little Rock Reservoir	NA	Largemouth Bass	I_626PLR135BOG19LMB01-07	626PLR135BOG19LMB01-07	1.87	360	9
6	Little Rock Reservoir	NA	Largemouth Bass	I_626PLR135BOG19LMB01-08	626PLR135BOG19LMB01-08	1.94	340	9
6	Little Rock Reservoir	NA	Largemouth Bass	I_626PLR135BOG19LMB02-01	626PLR135BOG19LMB02-01	1.74	335	9
6	Little Rock Reservoir	NA	Largemouth Bass	I_626PLR135BOG19LMB02-02	626PLR135BOG19LMB02-02	1.82	342	9
6	Little Rock Reservoir	NA	Largemouth Bass	I_626PLR135BOG19LMB02-03	626PLR135BOG19LMB02-03	1.94	340	9
6	Little Rock Reservoir	NA	Largemouth Bass	I_626PLR135BOG19LMB02-04	626PLR135BOG19LMB02-04	2.11	452	12
6	Little Rock Reservoir	NA	Largemouth Bass	I_626PLR135BOG19LMB02-05	626PLR135BOG19LMB02-05	2.12	478	13
6	Little Rock Reservoir	NA	Largemouth Bass	I_626PLR135BOG19LMB02-06	626PLR135BOG19LMB02-06	2.54	495	14
6	Lake Tahoe Keys	NA	Largemouth Bass	I_634LTKEYSBOG19LMB02-01	634LTKEYSBOG19LMB02-01	0.04	218	3
6	Lake Tahoe Keys	NA	Largemouth Bass	I_634LTKEYSBOG19LMB02-02	634LTKEYSBOG19LMB02-02	0.04	204	3
6	Lake Tahoe Keys	NA	Largemouth Bass	I_634LTKEYSBOG19LMB02-03	634LTKEYSBOG19LMB02-03	0.08	275	5
6	Lake Tahoe Keys	NA	Largemouth Bass	I_634LTKEYSBOG19LMB02-04	634LTKEYSBOG19LMB02-04	0.13	258	4
6	Lake Tahoe Keys	NA	Largemouth Bass	I_634LTKEYSBOG19LMB02-05	634LTKEYSBOG19LMB02-05	0.14	307	6
6	Lake Tahoe Keys	NA	Largemouth Bass	I_634LTKEYSBOG19LMB02-06	634LTKEYSBOG19LMB02-06	0.06	321	7
6	Lake Tahoe Keys	NA	Largemouth Bass	I_634LTKEYSBOG19LMB02-07	634LTKEYSBOG19LMB02-07	0.26	340	8
6	Lake Tahoe Keys	NA	Largemouth Bass	I_634LTKEYSBOG19LMB02-08	634LTKEYSBOG19LMB02-08	0.12	341	8
6	Lake Tahoe Keys	NA	Largemouth Bass	I_634LTKEYSBOG19LMB02-09	634LTKEYSBOG19LMB02-09	0.20	347	9
6	Lake Tahoe Keys	NA	Largemouth Bass	I_634LTKEYSBOG19LMB03-01	634LTKEYSBOG19LMB03-01	0.18	328	7
6	Lake Tahoe Keys	NA	Largemouth Bass	I_634LTKEYSBOG19LMB03-02	634LTKEYSBOG19LMB03-02	0.19	359	8
6	Lake Tahoe Keys	NA	Largemouth Bass	I_634LTKEYSBOG19LMB03-03	634LTKEYSBOG19LMB03-03	0.20	420	11
6	Lake Tahoe Keys	NA	Largemouth Bass	I_634LTKEYSBOG19LMB03-04	634LTKEYSBOG19LMB03-04	0.25	431	13
6	Lake Tahoe Keys	NA	Largemouth Bass	I_634LTKEYSBOG19LMB03-05	634LTKEYSBOG19LMB03-05	0.37	483	15
7	Wiest Lake_BOG	NA	Largemouth Bass	I_723PWT019BOG19LMB01-01	723PWT019BOG19LMB01-01	0.02	237	3
7	Wiest Lake_BOG	NA	Largemouth Bass	I_723PWT019BOG19LMB01-02	723PWT019BOG19LMB01-02	0.01	219	3



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7	Wiest Lake_BOG	NA	Largemouth Bass	I_723PWT019BOG19LMB01-03	723PWT019BOG19LMB01-03	0.01	251	3
7	Wiest Lake_BOG	NA	Largemouth Bass	I_723PWT019BOG19LMB01-04	723PWT019BOG19LMB01-04	0.03	303	5
7	Wiest Lake_BOG	NA	Largemouth Bass	I_723PWT019BOG19LMB01-05	723PWT019BOG19LMB01-05	0.04	346	7
7	Wiest Lake_BOG	NA	Largemouth Bass	I_723PWT019BOG19LMB01-06	723PWT019BOG19LMB01-06	0.04	362	7
7	Wiest Lake_BOG	NA	Largemouth Bass	I_723PWT019BOG19LMB01-07	723PWT019BOG19LMB01-07	0.05	383	8
7	Wiest Lake_BOG	NA	Largemouth Bass	I_723PWT019BOG19LMB01-08	723PWT019BOG19LMB01-08	0.02	331	6
7	Wiest Lake_BOG	NA	Largemouth Bass	I_723PWT019BOG19LMB01-09	723PWT019BOG19LMB01-09	0.05	391	8
7	Wiest Lake_BOG	NA	Largemouth Bass	I_723PWT019BOG19LMB02-01	723PWT019BOG19LMB02-01	0.02	342	7
7	Wiest Lake_BOG	NA	Largemouth Bass	I_723PWT019BOG19LMB02-02	723PWT019BOG19LMB02-02	0.03	404	10
7	Wiest Lake_BOG	NA	Largemouth Bass	I_723PWT019BOG19LMB02-03	723PWT019BOG19LMB02-03	0.03	416	10
7	Wiest Lake_BOG	NA	Largemouth Bass	I_723PWT019BOG19LMB02-04	723PWT019BOG19LMB02-04	0.07	468	12
7	Wiest Lake_BOG	NA	Largemouth Bass	I_723PWT019BOG19LMB02-05	723PWT019BOG19LMB02-05	0.06	485	13
8	Lake Hemet	NA	Largemouth Bass	I_802PHM003BOG19LMB02-01	802PHM003BOG19LMB02-01	0.12	207	3
8	Lake Hemet	NA	Largemouth Bass	I_802PHM003BOG19LMB02-02	802PHM003BOG19LMB02-02	0.16	216	5
8	Lake Hemet	NA	Largemouth Bass	I_802PHM003BOG19LMB02-03	802PHM003BOG19LMB02-03	0.18	211	4
8	Lake Hemet	NA	Largemouth Bass	I_802PHM003BOG19LMB02-04	802PHM003BOG19LMB02-04	0.12	227	4
8	Lake Hemet	NA	Largemouth Bass	I_802PHM003BOG19LMB02-05	802PHM003BOG19LMB02-05	0.12	252	5
8	Lake Hemet	NA	Largemouth Bass	I_802PHM003BOG19LMB02-06	802PHM003BOG19LMB02-06	0.11	265	6
8	Lake Hemet	NA	Largemouth Bass	I_802PHM003BOG19LMB02-07	802PHM003BOG19LMB02-07	0.16	252	5
8	Lake Hemet	NA	Largemouth Bass	I_802PHM003BOG19LMB02-08	802PHM003BOG19LMB02-08	0.13	275	6
8	Lake Hemet	NA	Largemouth Bass	I_802PHM003BOG19LMB02-09	802PHM003BOG19LMB02-09	0.18	291	7
8	Lake Hemet	NA	Largemouth Bass	I_802PHM003BOG19LMB02-	802PHM003BOG19LMB02-	0.12	337	9

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				10	10			
8	Lake Hemet	NA	Largemouth Bass	I_802PHM003BOG19LMB03-01	802PHM003BOG19LMB03-01	0.35	453	13
8	Lake Hemet	NA	Largemouth Bass	I_802PHM003BOG19LMB03-02	802PHM003BOG19LMB03-02	0.49	513	17
8	Lake Hemet	NA	Largemouth Bass	I_802PHM003BOG19LMB03-03	802PHM003BOG19LMB03-03	0.34	463	14
8	Lake Hemet	NA	Largemouth Bass	I_802PHM003BOG19LMB03-04	802PHM003BOG19LMB03-04	0.39	550	20
8	Lake Hemet	NA	Rainbow Trout	I_802PHM003BOG19RBT01-01	802PHM003BOG19RBT01-01	0.11	244	
8	Lake Hemet	NA	Rainbow Trout	I_802PHM003BOG19RBT01-02	802PHM003BOG19RBT01-02	0.02	298	
8	Lake Hemet	NA	Rainbow Trout	I_802PHM003BOG19RBT01-03	802PHM003BOG19RBT01-03	0.02	330	
8	Lake Hemet	NA	Rainbow Trout	I_802PHM003BOG19RBT01-04	802PHM003BOG19RBT01-04	0.02	359	
9	Diamond Valley Lake	L1	Largemouth Bass	I_902DMDVLKL1BOG19LMB02-01	902DMDVLKL1BOG19LMB02-01	0.07	208	3
9	Diamond Valley Lake	L1	Largemouth Bass	I_902DMDVLKL1BOG19LMB02-02	902DMDVLKL1BOG19LMB02-02	0.09	231	4
9	Diamond Valley Lake	L1	Largemouth Bass	I_902DMDVLKL1BOG19LMB02-03	902DMDVLKL1BOG19LMB02-03	0.10	255	6
9	Diamond Valley Lake	L1	Largemouth Bass	I_902DMDVLKL1BOG19LMB02-04	902DMDVLKL1BOG19LMB02-04	0.18	296	8
9	Diamond Valley Lake	L1	Largemouth Bass	I_902DMDVLKL1BOG19LMB02-05	902DMDVLKL1BOG19LMB02-05	0.10	285	7
9	Diamond Valley Lake	L1	Largemouth Bass	I_902DMDVLKL1BOG19LMB02-06	902DMDVLKL1BOG19LMB02-06	0.15	352	10
9	Diamond Valley Lake	L1	Largemouth Bass	I_902DMDVLKL1BOG19LMB02-07	902DMDVLKL1BOG19LMB02-07	0.30	350	10
9	Diamond Valley Lake	L1	Largemouth Bass	I_902DMDVLKL1BOG19LMB02-08	902DMDVLKL1BOG19LMB02-08	0.33	410	13
9	Diamond Valley Lake	L1	Largemouth Bass	I_902DMDVLKL1BOG19LMB03-01	902DMDVLKL1BOG19LMB03-01	0.66	454	15
9	Diamond Valley	L1	Largemouth Bass	I_902DMDVLKL1BOG19LMB03-	902DMDVLKL1BOG19LMB03-	0.55	518	21

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	Lake			02	02			
9	Diamond Valley Lake	L1	Largemouth Bass	I_902DMDVLKL1BOG19LMB03-03	902DMDVLKL1BOG19LMB03-03	0.99	595	23
9	Diamond Valley Lake	L1	Largemouth Bass	I_902DMDVLKL1BOG19LMB04-01	902DMDVLKL1BOG19LMB04-01	0.61	476	17
9	Diamond Valley Lake	L1	Largemouth Bass	I_902DMDVLKL1BOG19LMB04-02	902DMDVLKL1BOG19LMB04-02	0.69	548	22
9	Diamond Valley Lake	L1	Largemouth Bass	I_902DMDVLKL1BOG19LMB04-03	902DMDVLKL1BOG19LMB04-03	0.94	561	21
9	Diamond Valley Lake	L2	Largemouth Bass	I_902DMDVLKL2BOG19LMB02-01	902DMDVLKL2BOG19LMB02-01	0.09	215	2
9	Diamond Valley Lake	L2	Largemouth Bass	I_902DMDVLKL2BOG19LMB02-02	902DMDVLKL2BOG19LMB02-02	0.20	228	3
9	Diamond Valley Lake	L2	Largemouth Bass	I_902DMDVLKL2BOG19LMB02-03	902DMDVLKL2BOG19LMB02-03	0.14	285	5
9	Diamond Valley Lake	L2	Largemouth Bass	I_902DMDVLKL2BOG19LMB02-04	902DMDVLKL2BOG19LMB02-04	0.09	279	6
9	Diamond Valley Lake	L2	Largemouth Bass	I_902DMDVLKL2BOG19LMB02-05	902DMDVLKL2BOG19LMB02-05	0.09	321	8
9	Diamond Valley Lake	L2	Largemouth Bass	I_902DMDVLKL2BOG19LMB02-06	902DMDVLKL2BOG19LMB02-06	0.14	345	10
9	Diamond Valley Lake	L2	Largemouth Bass	I_902DMDVLKL2BOG19LMB02-07	902DMDVLKL2BOG19LMB02-07	0.10	336	9
9	Diamond Valley Lake	L2	Largemouth Bass	I_902DMDVLKL2BOG19LMB02-08	902DMDVLKL2BOG19LMB02-08	0.84	449	14
9	Diamond Valley Lake	L2	Largemouth Bass	I_902DMDVLKL2BOG19LMB02-09	902DMDVLKL2BOG19LMB02-09	0.40	425	13
9	Diamond Valley Lake	L2	Largemouth Bass	I_902DMDVLKL2BOG19LMB03-01	902DMDVLKL2BOG19LMB03-01	0.29	390	12
9	Diamond Valley Lake	L2	Largemouth Bass	I_902DMDVLKL2BOG19LMB03-02	902DMDVLKL2BOG19LMB03-02	0.11	371	11
9	Diamond Valley Lake	L2	Largemouth Bass	I_902DMDVLKL2BOG19LMB03-03	902DMDVLKL2BOG19LMB03-03	0.81	486	16

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9	Diamond Valley Lake	L2	Largemouth Bass	I_902DMDVLKL2BOG19LMB03-04	902DMDVLKL2BOG19LMB03-04	0.24	430	13
9	Diamond Valley Lake	L2	Largemouth Bass	I_902DMDVLKL2BOG19LMB03-05	902DMDVLKL2BOG19LMB03-05	0.38	466	15
9	Sweetwater Reservoir	NA	Largemouth Bass	I_909PSW046BOG19LMB01-01	909PSW046BOG19LMB01-01	0.12	232	3
9	Sweetwater Reservoir	NA	Largemouth Bass	I_909PSW046BOG19LMB01-02	909PSW046BOG19LMB01-02	0.08	242	2
9	Sweetwater Reservoir	NA	Largemouth Bass	I_909PSW046BOG19LMB01-03	909PSW046BOG19LMB01-03	0.13	260	3
9	Sweetwater Reservoir	NA	Largemouth Bass	I_909PSW046BOG19LMB01-04	909PSW046BOG19LMB01-04	0.21	306	4
9	Sweetwater Reservoir	NA	Largemouth Bass	I_909PSW046BOG19LMB01-05	909PSW046BOG19LMB01-05	0.28	344	5
9	Sweetwater Reservoir	NA	Largemouth Bass	I_909PSW046BOG19LMB01-06	909PSW046BOG19LMB01-06	0.21	332	6
9	Sweetwater Reservoir	NA	Largemouth Bass	I_909PSW046BOG19LMB01-07	909PSW046BOG19LMB01-07	0.22	325	6
9	Sweetwater Reservoir	NA	Largemouth Bass	I_909PSW046BOG19LMB01-08	909PSW046BOG19LMB01-08	0.20	338	6
9	Sweetwater Reservoir	NA	Largemouth Bass	I_909PSW046BOG19LMB01-09	909PSW046BOG19LMB01-09	0.18	365	7
9	Sweetwater Reservoir	NA	Largemouth Bass	I_909PSW046BOG19LMB02-01	909PSW046BOG19LMB02-01	0.26	372	8
9	Sweetwater Reservoir	NA	Largemouth Bass	I_909PSW046BOG19LMB02-02	909PSW046BOG19LMB02-02	0.30	382	8
9	Sweetwater Reservoir	NA	Largemouth Bass	I_909PSW046BOG19LMB02-03	909PSW046BOG19LMB02-03	0.31	440	10
9	Sweetwater Reservoir	NA	Largemouth Bass	I_909PSW046BOG19LMB02-04	909PSW046BOG19LMB02-04	0.41	425	10
9	Sweetwater Reservoir	NA	Largemouth Bass	I_909PSW046BOG19LMB02-05	909PSW046BOG19LMB02-05	0.33	484	12
9	Loveland Res	NA	Largemouth Bass	I_909TL0063BOG19LMB01-01	909TL0063BOG19LMB01-01	0.30	240	2

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9	Loveland Res	NA	Largemouth Bass	I_909TL0063BOG19LMB01-02	909TL0063BOG19LMB01-02	0.11	238	2
9	Loveland Res	NA	Largemouth Bass	I_909TL0063BOG19LMB01-03	909TL0063BOG19LMB01-03	0.23	272	3
9	Loveland Res	NA	Largemouth Bass	I_909TL0063BOG19LMB01-04	909TL0063BOG19LMB01-04	0.11	260	5
9	Loveland Res	NA	Largemouth Bass	I_909TL0063BOG19LMB01-05	909TL0063BOG19LMB01-05	0.35	307	4
9	Loveland Res	NA	Largemouth Bass	I_909TL0063BOG19LMB01-06	909TL0063BOG19LMB01-06	0.42	320	6
9	Loveland Res	NA	Largemouth Bass	I_909TL0063BOG19LMB01-07	909TL0063BOG19LMB01-07	0.40	360	7
9	Loveland Res	NA	Largemouth Bass	I_909TL0063BOG19LMB01-08	909TL0063BOG19LMB01-08	0.52	350	6
9	Loveland Res	NA	Largemouth Bass	I_909TL0063BOG19LMB01-09	909TL0063BOG19LMB01-09	0.36	340	6
9	Loveland Res	NA	Largemouth Bass	I_909TL0063BOG19LMB02-01	909TL0063BOG19LMB02-01	0.48	350	6
9	Loveland Res	NA	Largemouth Bass	I_909TL0063BOG19LMB02-02	909TL0063BOG19LMB02-02	0.58	407	7
9	Loveland Res	NA	Largemouth Bass	I_909TL0063BOG19LMB02-03	909TL0063BOG19LMB02-03	0.47	380	7
9	Loveland Res	NA	Largemouth Bass	I_909TL0063BOG19LMB02-04	909TL0063BOG19LMB02-04	0.72	425	9
9	Loveland Res	NA	Largemouth Bass	I_909TL0063BOG19LMB02-05	909TL0063BOG19LMB02-05	0.93	420	9