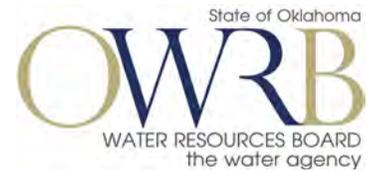


# OKLAHOMA WATER RESOURCES BOARD DAM SAFETY QUARTERLY

Volume 5, Issue 3

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## NEWSLETTER OF THE OKLAHOMA DAM SAFETY PROGRAM

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A detailed course outline, date, fees, and other details will be announced soon. For more information regarding registration and participation in the expo, please contact Emma Moradi at (405) 530-8800 or email her at [emma.moradi@owrb.ok.gov](mailto:emma.moradi@owrb.ok.gov).

### Association of State Dam Safety Officials (ASDSO) Conference

In September, Dam Safety program manager Yohanes Sugeng, P.E., attended the ASDSO's 2017 National Conference in San Antonio, Texas, where he participated in technical seminars on various topics, including the following:

- Estimating the risk of dam failure and consequences with modeling software and reviewing case studies;
- Levee risk assessment and management;
- Emergency response and public awareness;
- Probable maximum precipitation and hydrology;
- Dam breach mapping methods and modeling software;
- Dam inspection and monitoring with remote technologies;
- Breach analysis and hydraulic modeling with 2D and 3D software; and
- Seismic hazard estimation and stability evaluation.

Additionally, attendees heard a comprehensive talk on California's Oroville Dam spillway failure presented by representatives from the California Division of Water Resources and the Division of Safety of Dams, the ASDSO/ USSD-appointed Failure Investigation Team, California's communications office, ASDSO leaders, and special guest Butte County Sheriff Kory Honea. The investigation team presented their findings on the underlying issues that led to the failure, and a panel discussed lessons learned regarding dam engineering, decision making, emergency management and public awareness and communication.

### Free Low Hazard-Potential Dam Inspection Registration Open

Registration is now open for free low hazard-potential dam inspections. This offer includes an on-site inspection, full inspection report, and a breach inundation map. Because state law requires low hazard-potential dam owners to complete an inspection every five years, dam owners are encouraged to take advantage of this opportunity. Registrants will learn inspection and maintenance techniques to prolong the lives of their dams and manage the liabilities associated with dam ownership. Please visit [www.owrb.ok.gov/damsafety](http://www.owrb.ok.gov/damsafety) or contact our dam safety staff for information and registration.



### Dam Safety Expo and Workshop

The OWRB's Dam Safety Program will host a Dam Safety Expo and Workshop at Arcadia Lake in the Spring of 2018. Dam owners, engineering firms with dam safety experience, local and regional dam safety officials, dam construction contractors, and vendors offering services and/or instruments with dam safety applications are invited to attend. This hands-on event will be a great opportunity for dam owners to refresh their knowledge of inspection and maintenance techniques and increase their understanding of common dam deficiencies. It also allows firms and businesses to increase their visibility and maximize their exposure. Representatives from the U.S. Army Corps of Engineers will share their expertise, and attendees will be taken on a guided tour of Arcadia Lake and Dam.

### THIRTY-EIGHTH ANNUAL OKLAHOMA GOVERNOR'S WATER CONFERENCE AND RESEARCH SYMPOSIUM

THE VALUE  
OF WATER  
INVESTMENT  
IN OKLAHOMA  
OCT 31-NOV 1, 2017  
EMBASSY SUITES, NORMAN

LIQUID  
ASSETS



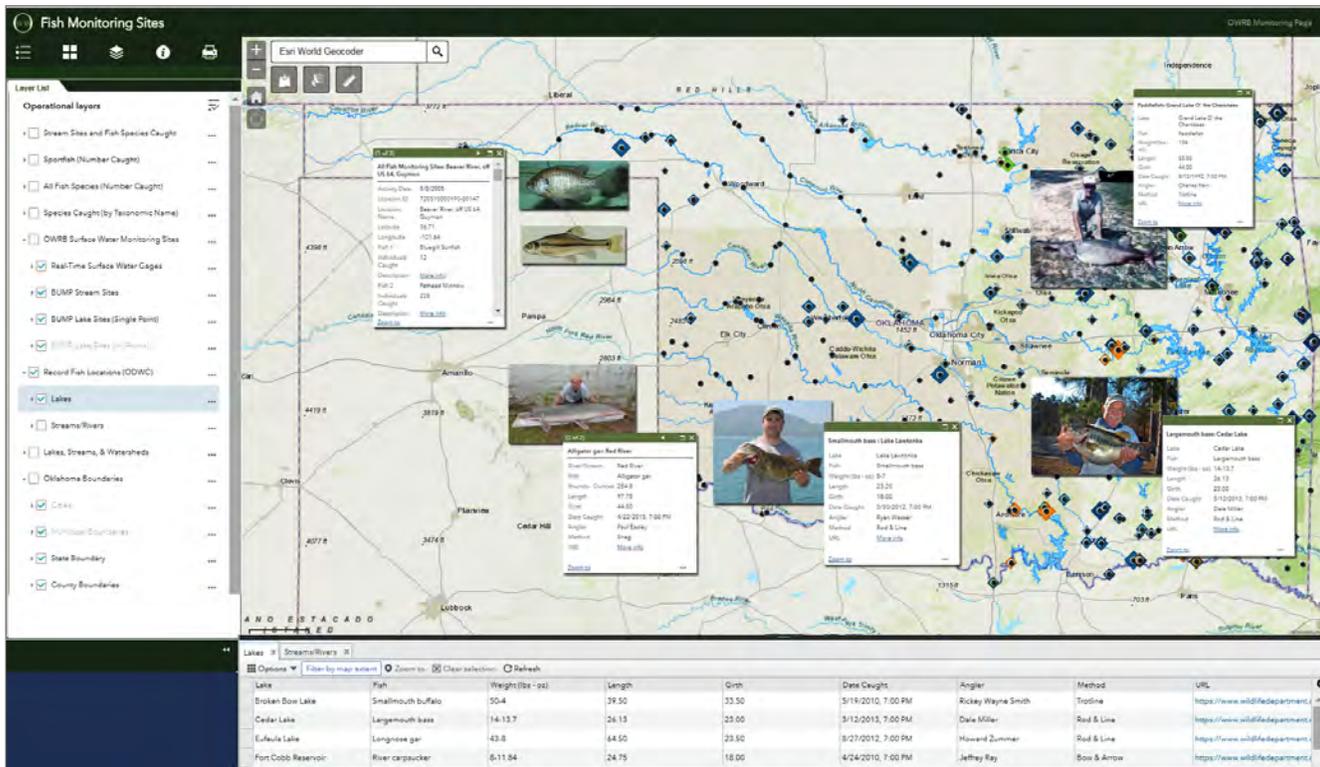
## OWRB Launches Fish Monitoring Sites Map Viewer

The OWRB’s Streams Monitoring section has collaborated with OWRB GIS staff to launch an interactive map viewer highlighting the agency’s fish collection data from 2003 to 2016 at nearly 400 sites across the state.

Biological specimens are analyzed as part of the OWRB’s Beneficial Use Monitoring Program (BUMP) and the Statewide Surface Water Statistical Survey monitoring program. More than 150 species are represented on the viewer, which can be accessed at [www.owrb.ok.gov/maps](http://www.owrb.ok.gov/maps).

The layers panel to the left of the map viewer allows the user to select to view all fish species collected, fish by type, or all sports fish. Some sites are linked to record fish data and photos.

The goal of the OWRB’s monitoring programs is to provide statistically sound, unbiased information on the health of streams and rivers across Oklahoma. OWRB staff collect fish data between May and October from each stream reach using seines or electrofishing equipment, depending on water conditions. Most fish are identified on site and released.



The OWRB’s new Fish Monitoring Sites map viewer. To access the viewer, visit [www.owrb.ok.gov/maps](http://www.owrb.ok.gov/maps).

## Upcoming Events

- October 26-27 ASDSO Seminar: [Florida Technical Seminar](#), Fort Pierce, FL
- Oct 31 - Nov 1 [Oklahoma Governor’s Water Conference & Research Symposium](#), Norman, OK
- November 14 ASDSO Webinar: [Advances in Geologic Data Collection and 3D Geologic Modeling for Site Characterization and Safety Studies](#)
- December 12 ASDSO Webinar: [Introduction to Addressing Inadequate Conveyance Capacity at Dams](#)
- Spring 2018 OWRB Dam Safety Expo and Workshop

Julie Cunningham, Executive Director  
Oklahoma Water Resources Board

Kent Wilkins, Chief  
Planning & Management Division

Yohanes Sugeng, P.E., Manager  
Dam Safety Program

The Oklahoma Dam Safety Act recognizes that properly constructed, operated, and maintained dams used to impound water and create reservoirs for public and private beneficial uses constitute vital parts of the State of Oklahoma’s water resources, and authorizes the Oklahoma Water Resources Board to regulate the construction, operation, and maintenance of dams to protect lives and property. Please e-mail comments and article ideas to [pubinfo@owrb.ok.gov](mailto:pubinfo@owrb.ok.gov).