

# Freshwater HABs Newsletter

## [Grant Opportunity: WaterSMART Cooperative Watershed Management Program Phase I](#)

The Department of the Interior, Bureau of Reclamation announced its 2018 funding opportunity seeking proposals for activities to develop a watershed group, fund an existing watershed group, complete watershed restoration planning activities, and design watershed management projects. States, tribes, local and special districts (e.g., irrigation and water districts), local governmental entities, interstate organizations, and non-profit organizations, including existing watershed groups, within the 17 western states are eligible to apply. Up to \$100,000 in federal funds may be awarded to an applicant per award, with no more than \$50,000 made available in a year for a period of up to two years. Applicants must submit their proposals by Wednesday, January 31, 2018, at 4:00 p.m. The funding opportunity number is BOR-DO-18-F005 and the Media Contact is Peter Soeth (303-445-3615).

## [S.1057 - Harmful Algal Bloom and Hypoxia Research and Control Amendments Act of 2017 at House of Representatives](#)

On November 16, 2017, the S. 1057 HABHRCA passed the Senate and was introduced to the House Natural Resources Committee to reauthorize and authorize the appropriation of \$22,000,000 in each Fiscal Year over the 2019-2023 period for NOAA to mitigate the harmful effects of algal blooms and hypoxia in marine and freshwater, the Great Lakes, freshwater lakes and rivers, upper reaches of estuaries, and those that migrate to coast waters from freshwater lakes and rivers. The bill would also allow federal disaster-like funds to be used to combat an algal bloom declared to be an "Event of National Significance." Additionally, the bill adds USACE to the Inter-Agency Task Force on Harmful Algal Blooms and Hypoxia. No House committee hearings are yet scheduled.

### Important Links

- ✓ [November/December 2017 Fish and Shellfish Program Newsletter](#)
- ✓ [The Challenge of Tracking Nutrient Pollution 2,300 Miles](#)
- ✓ [NWQMC National Water Monitoring News](#)
- ✓ [OHEPA Public Health Guidance in Specific Settings During DW Advisories](#)
- ✓ [EPA STAR 2018 – 2020 Freshwater HABs Grants:](#)
  - ✓ [Development of a multi-scale management tool for predicting and mitigating HABs in Ohio River watersheds](#)
  - ✓ [A systems approach for understanding, predicting, and managing harmful algal blooms in Midwestern Lakes](#)

*Cheers to 2018!*



["Algae Beer"](#)

### UPCOMING EVENTS

#### [SETAC Europe HABs Special Session](#)

May 13–17, 2018  
Rome, Italy

#### [ASLO 2018 HABs Special Session](#)

June 10-15, 2018  
Victoria, BC, Canada

#### [IAGLR 2018 Conference HABs Special Session](#)

June 18-22, 2018  
Toronto, Canada

#### [18<sup>th</sup> ICHA](#)

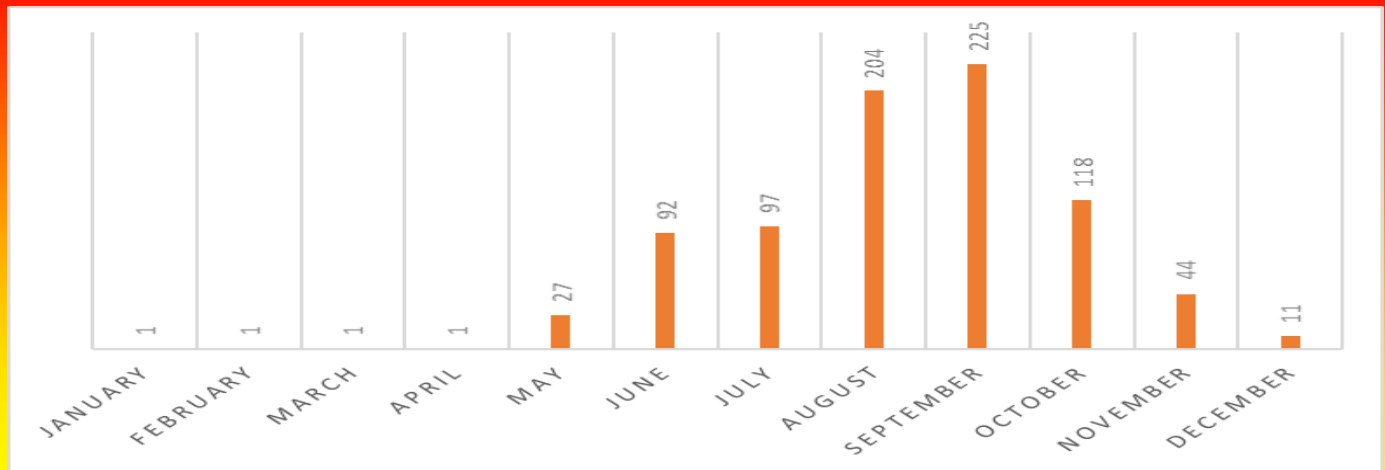
October 21-26, 2018  
Nantes, France

This newsletter was created by [Dr. Lesley V. D'Anglada](#), Office of Science and Technology, Office of Water, EPA. Mention of trade names, products, or services does not convey and should not be interpreted as conveying official EPA approval, endorsement, or recommendation for use. For previous newsletters, go to [Freshwater HABs Newsletter](#).

# BLOOMS, BEACH CLOSURES and HEALTH ADVISORIES, DECEMBER 2017

⚠️ [California](#) (6) ⚠️ [Florida](#) (3) ⚠️ [Idaho](#) (2) ⚠️ [Ohio](#) (1) ⚠️ [Oregon](#) (1)

## SUMMARY OF HABs-RELATED ADVISORIES POSTED IN 2017\*



\* Postings include blooms, cautions, warnings, public health advisories, and closings, due to the presence of algae, toxins or both. This is NOT a comprehensive list, and many blooms may have not been reported.

## RECENTLY PUBLISHED ARTICLES

### [Identification of cyanobacteria and microalgae in aerosols of various sizes in the air over the Southern Baltic Sea](#)

Anita Urszula Lewandowska, Sylwia Śliwińska-Wilczewska, Dominika Woźniczka, Marine Pollution Bulletin, Volume 125, Issues 1–2, 15 December 2017, Pages 30-38.

### [Temperature and precipitation shape the distribution of harmful cyanobacteria in subtropical lotic and lentic ecosystems](#)

Signe Haakonsson, Lorena Rodríguez-Gallego, Andrea Somma, Sylvia Bonilla. Science of The Total Environment, Volume 609, 31 December 2017, Pages 1132-1139.

### [Fresh water, marine and terrestrial cyanobacteria display distinct allergen characteristics](#)

Naama Lang-Yona, Anna Theresa Kunert, Lothar Vogel, Christopher Johannes Kampf, Iris Bellinghausen, Joachim Saloga, Anne Schink, Kira Ziegler, Kurt Lucas, Detlef Schuppan, Ulrich Pöschl, Bettina Weber, Janine Fröhlich-Nowoisky. Science of The Total Environment, Volume 612, 15 January 2018, Pages 767-774.

### [Hot and toxic: Temperature regulates microcystin release from cyanobacteria](#)

Jeremy T. Walls, Kevin H. Wyatt, Jason C. Doll, Eric M. Rubenstein, Allison R. Rober. Science of The Total Environment, Volumes 610–611, 1 January 2018, Pages 786-795.

### [Cyanobacteria blooms induce embryonic heart failure in an endangered fish species](#)

Jinmei Zi, Xiaofu Pan, Hugh J. MacIsaac, Junxing Yang, Runbing Xu, Shanyuan Chen, Xuexiu Chang. Aquatic Toxicology, Volume 194, January 2018, Pages 78-85.

### [Evaluation of potassium ferrate as an alternative disinfectant on cyanobacteria inactivation and associated toxin fate in various waters](#)

Jiajia Fan, Bo-Hung Lin, Che-Wei Chang, Yuqing Zhang, Tsair-Fuh Lin. Water Research, Volume 129, 1 February 2018, Pages 199-207.



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