

USGS Biological Threats and Invasive Species Program Product list 2011-2021

Phragmites

Allen, W. J., A. Devries, N. J. Bologna, W. A. Bickford, K. P. Kowalski, L. A. Meyerson, and J. T. Cronin. 2020. Intraspecific and biogeographical variation in foliar fungal communities and pathogen damage of native and invasive *Phragmites australis*. *Global Ecology and Biogeography* 29:1199-1211.

Bickford, W. A., D. E. Goldberg, K. P. Kowalski, and D. R. Zak. 2018. Root endophytes and invasiveness: no difference between native and non-native *Phragmites* in the Great Lakes Region. *Ecosphere* 9:1-14.

Bickford, W. A., D. R. Zak, K. P. Kowalski, and D. E. Goldberg. 2020. Differences in rhizosphere microbial communities between native and non-native *Phragmites australis* may depend on stand density. *Ecology and Evolution* 10:11739-11751.

Bourgeau-Chavez, L. L., K. P. Kowalski, M. L. Carlson Mazur, K. A. Scarbrough, R. B. Powell, C. N. Brooks, B. Huberty, L. K. Jenkins, E. C. Banda, D. M. Galbraith, Z. M. Laubach, and K. Riordan. 2013. Mapping invasive *Phragmites australis* in the coastal Great Lakes with ALOS PALSAR satellite imagery for decision support. *Journal of Great Lakes Research* 39:65-77.

Braun, H. B., K. P. Kowalski, and K. Hollins. 2016. Applying the collective impact approach to address non-native species: A case study of the Great Lakes *Phragmites* Collaborative. *Biological Invasions* 18:2729-2738.

Brooks, C. N., C. B. Weinstein, A. F. Poley, A. G. Grimm, N. P. Marion, L. Bourgeau-Chavez, D. Hansen, and K. P. Kowalski. 2021. Using uncrewed aerial vehicles for identifying the extent of invasive *Phragmites australis* in treatment areas enrolled in an adaptive management program. *Remote Sensing* 13.

Clay, K., Z. Shearin, K. Bourke, W. A. Bickford, and K. P. Kowalski. 2016. Diversity of fungal endophytes in non-native *Phragmites australis* in the Great Lakes. *Biological Invasions* 18:2703-2716.

Densmore, C. L. 2020. Aquatic invasive species in the Chesapeake Bay drainage—Research-based needs and priorities of U.S. Geological Survey partners and collaborators. Report 2020-1057, Reston, VA.

Devries, A. E., K. P. Kowalski, and W. A. Bickford. 2020. Growth and behavior of North American microbes on *Phragmites australis* leaves. *Microorganisms* 8.

Galatowitsch, S. M., D. L. Larson, and J. L. Larson. 2016. Factors affecting post-control reinvasion by seed of an invasive species, *Phragmites australis*, in the central Platte River, Nebraska. *Biological Invasions* 18:2505-2516.

Howard, R. J., and T. D. Turluck. 2013. *Phragmites australis* expansion in a restored brackish marsh: documentation at different time scales. *Wetlands* 33:207-215.

Kowalski, K. P., C. R. Bacon, W. A. Bickford, H. A. Braun, K. Clay, M. Leduc-Lapierre, E. Lillard, M. K. McCormick, E. Nelson, M. Torres, J. W. C. White, and D. A. Wilcox. 2015. Advancing the science of microbial symbiosis to support invasive species management: a case study on *Phragmites* in the Great Lakes. *Frontiers in Microbiology* 6.

Ramsey Iii, E. W., and A. Rangoonwala. 2021. Synthetic aperture radar and optical mapping used to monitor change and replacement of *Phragmites australis* marsh in the Lower Mississippi River Delta, Louisiana. Report 2021-1046, Reston, VA.

Rangoonwala, A., R. J. Howard, and E. W. Ramsey Iii. 2020. Mapping *Phragmites australis* live fractional cover in the lower Mississippi River Delta, Louisiana. Report 2020-1131, Reston, VA.

Shearin, Z. R. C., M. Filipek, R. Desai, W. A. Bickford, K. P. Kowalski, and K. Clay. 2018. Fungal endophytes from seeds of invasive, non-native *Phragmites australis* and their potential role in germination and seedling growth. *Plant and Soil* 422:183-194.

Soares, M. A., H.-Y. Li, K. P. Kowalski, M. Bergen, M. S. Torres, and J. F. White. 2016. Evaluation of the functional roles of fungal endophytes of *Phragmites australis* from high saline and low saline habitats. *Biological Invasions* 18:2689-2702.

Verma, S. K., K. L. Kingsley, M. S. Bergen, K. P. Kowalski, and J. F. White. 2018. Fungal disease prevention in seedlings of rice (*Oryza sativa*) and other grasses by growth-promoting seed-associated endophytic bacteria from invasive *Phragmites australis*. *Microorganisms* 6:1-13.

White, J. F., K. I. Kingsley, K. P. Kowalski, I. Irizarry, A. Micci, M. A. Soares, and M. S. Bergen. 2018. Disease protection and allelopathic interactions of seed-transmitted endophytic pseudomonads of invasive reed grass (*Phragmites australis*). *Plant and Soil* 422:195-208.