Jerod Gray

Research Technician
Southern California Coastal Water Research Project

Education

B.S., civil engineering, California State University, Fullerton, 2024

Professional Experience

Research Technician, Southern California Coastal Water Research Project. Costa Mesa, CA. 2023-present

Laboratory Assistant, Southern California Coastal Water Research Project. Costa Mesa, CA. 2023

Tools & Applications

SCCWRP Rainfall Generator - https://osf.io/2b4vh/

Journal Articles

Xin, D., S. Sauers, D. Nguyen, J. Gray, E. Fassman-Beck. 2026. Field monitoring of microplastics in biofilter media: insights into media characteristics and design. *Blue-Green Systems* DOI:10.2166/bgs.2026.008.

Gray, J., E. Fassman-Beck, K.L. Cheng, R. Biller, K.C. Schiff. 2026. Frequency of Maintenance Needs in Biofilters throughout Los Angeles. *Journal of Sustainable Water in the Built Environment* DOI:10.1061/JSWBAY.SWENG-725.

Tiernan, E.D., J. Gray, D. Nguyen, B. Shi, M. Wang, K. Dunn, J. Peng, D. McCarthy, E. Fassman-Beck. 2026. Automated detection of illicit discharges in storm drains using a distributed network of low-cost IoT sensors. *Urban Water Journal* DOI:10.1080/1573062X.2026.2641088.

Xin, D., J. Gray, T. Zabala, A.P. Davis, E. Fassman-Beck. 2025. Impact of Media Properties on Dissolved Copper Sorption in Stormwater Biofiltration. *ACS ES&T Water* DOI:10.1021/acsestwater.5c00680.

Tiernan, E.D., J. Gray, L.S. Beck, E. Fassman-Beck. 2025. Design of a Mobile, Field-Scale Rainfall Generator for Urban Runoff Water Quality Studies. *Journal of Irrigation and Drainage Engineering* DOI:10.1061/JIDEDH.IRENG-10507.

Technical Reports

Fassman-Beck, E., D. Xin, S. Sauers, D. Nguyen, J. Gray. 2026. Field Monitoring of Microplastics Loading and Accumulation in Biofiltration Best Management Practices. Technical Report 1457. Southern California Coastal Water Research Project. Costa Mesa, CA.