

Blythe A. Layton, Ph.D.

Clean Water Services · 16060 SW 85th Ave · Tigard, OR 97224 · laytonb@cleanwaterservices.org · 503-681-5170

EDUCATION

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| Stanford University (Stanford, CA), Environmental Engineering & Science, PhD | 2011 |
| Stanford University (Stanford, CA), Environmental Engineering & Science, MS | 2006 |
| Whitman College (Walla Walla, WA), Biology, BA | 2003 |

APPOINTMENTS

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| Senior Research Program Manager, Clean Water Services (Hillsboro, OR) | 2022-present |
| Research Program Manager, Clean Water Services (Hillsboro, OR) | 2020-2022 |
| Adjunct Lecturer, Stanford University (remotely via Zoom) | 2021 |
| Faculty Research Associate, Oregon State University (Corvallis, OR) | 2020 |
| Scientist, Southern California Coastal Water Research Project (Costa Mesa, CA) | 2010-2015 |

SELECTED PUBLICATIONS, PRESENTATIONS & MEDIA APPEARANCES

Layton, B.A. (2022) Spatial and Temporal Variability of SARS-CoV-2 in Washington County, Oregon. Invited presentation at the Water Environment Federation's Technical Exhibition and Conference (WEFTEC). New Orleans, LA. Approximately 35 attendees.

Layton, B., Kaya, D., Kelly, C., et al. (2022). Evaluation of a wastewater-based epidemiological approach to estimate the prevalence of SARS-CoV-2 infections and the detection of viral variants in disparate Oregon communities at city and neighborhood scales. *Environmental Health Perspectives* 130(6). <https://doi.org/10.1289/EHP10289>

Layton, B.A. Interviewed by Anna Mehrotra, WEF Network of Wastewater Based Epidemiology (NWBE) Sewer Signals podcast, posted July 2022 https://nwbe.org/?page_id=465#episode-7

Layton, B.A. (2022) Spatial and Temporal Measurements of SARS-CoV-2 in a Sewershed. Presentation at the Water Environment Federation Public Health and Water Conference. Cincinnati, OH. Approximately 55 attendees.

Layton, B.A. Interviewed by Mark Manson, 1190 KEX. AM radio broadcast, aired 1/24/22. <https://www.iheart.com/podcast/83-mark-mason-28487522/episode/mark-mason-show-1-24-22-91993959/> (starts ~49:00).

Layton, B.A. Interviewed by Amanda Arden, KOIN6 News. Local television broadcast, aired December 17, 2021. <https://www.koin.com/news/health/coronavirus/scientists-expect-to-find-omicron-variant-in-oregon-wastewater-soon/>

Layton, B.A., Cao, Y., Ebentier, D.L., Hanley, K.T., Van De Werfhorst, L.C., Wang, D., Madi, T., et al. (2013). Performance of Human Fecal Anaerobe-Associated PCR-Based Assays in a Multi-Laboratory Method Evaluation Study. *Water Research* 47 (18): 6897–6908.

Layton, B.A., Walters, S.P., Lam, L.H., Boehm, A.B. (2010) *Enterococcus* species distribution among human and animal hosts using multiplex PCR. *Journal of Applied Microbiology* 109: 539-547.

GRANTS & AWARDS

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| Tualatin River Environmental Enhancement (TREE) Grant, Tualatin Soil and Water Conservation District (\$61K) | 2023 |
| Oregon State University Beaver Champion Award | 2020 |
| California Clean Beaches Initiative Research grant (\$1.3M) | 2013 |
| California Sea Grant Program Development award (\$15K) | 2010 |
| National Science Foundation Graduate Research Fellow | 2006 |