Joshua Klaus, E.I., M.S.

Water Resources Engineer,
DiNatale Water Consultants

Mr. Klaus is a water resources engineer with experience in water resources, river-reservoir operations, and water quality monitoring. He received his B.S. and M.S. degrees in Environmental Engineering from the University of Colorado at Boulder. As an undergraduate he worked as an assistant in a wastewater treatment research lab on campus, and as a water resources intern for the City of Lafayette assisting with municipal water operations. He completed his master's degree in environmental engineering in 2025 with a focus on Global Engineering for Resilience and Sustainability through the Mortenson Center. His graduate level research focused on monitoring water quality for fecal contamination.

Mr. Klaus has hands-on experience with water resource management, water quality monitoring and testing, and data analysis. At DiNatale Water Consultants, Joshua primarily works on complex water supply and operational models, GIS mapping, and water accounting.

Experience

Water Resources Engineer,
DiNatale Water Consultants, Inc.
2026 - present

Graduate Research Assistant,
University of Colorado (Boulder)
2024 - 2025

Water Resources Intern,
City of Lafayette
2021 – 2024

Education

M.S. Environmental Engineering,
University of Colorado (Boulder)
2025

B.S. Environmental Engineering
University of Colorado (Boulder)
2024

Relevant Project Experience

Water Supply Planning, Modeling and Operations. DiNatale Water Consultants assists United Water and Sanitation District, East Cherry Creek Valley's Northern Water Supply Project, and Arapahoe County Water and Wastewater Authority's Flow project with planning, modeling, and operations to provide water for metropolitan districts in the Denver area. The planning and modeling incorporates collaboration between entities in determining long- and short-term goals. Mr. Klaus performs water accounting and modelling with advanced spreadsheets and assists with monthly submissions to respective water commissioners. He also works with daily operations including tracking pumping, well augmentation, reservoir storage, and ditch operations along the South Platte River system.

Colorado Water Rights. DiNatale Water Consultants provide numerous clients with support of regulatory compliance in Colorado. Mr. Klaus has worked on researching and preparing information regarding augmentation plans, water rights change cases, and evaluations.

Water Quality Monitoring. Mr. Klaus has substantial experience in monitoring and testing water quality. He has worked as a research assistant in a wastewater treatment lab testing ion-exchange resin by testing samples and processing data from ion chromatography and plasma mass spectrometry instruments. As a graduate research assistant at the University of Colorado at Boulder Mr. Klaus evaluated a novel *E. coli* monitoring device through lab and field testing, including conducting an international field deployment in Rwanda.

Water Resources Fieldwork. Mr. Klaus has performed water resources operations for the City of Lafayette by collecting piezometer data, measuring and adjusting ditch flows rates, and monitoring water releases from reservoirs. He performed general maintenance and upkeep of these water delivery systems.