

Marcia Rojas, E.I., M.S.
*Water Resources Engineer,
DiNatale Water Consultants*

M. Rojas is a water resources engineer with experience in water resources, river-reservoir operations and policy modeling, hydraulic and hydrologic modeling, hydrogeneration modeling, and fish passage and stream restoration design. She received her B.S. degree in General Engineering from Smith College and completed her M.S. degree in Civil Engineering from the University of Massachusetts Amherst.

M. Rojas has experience with various modeling and software programs including RiverWare, ArcGIS, QGIS, HEC-RAS 1/2D, Excel, HEC-HMS, and HEC-SSP. At DiNatale Water Consultants, Marcia primarily works on complex water supply and operational models, GIS mapping, and water accounting.

Relevant Project Experience

River Reservoir Modeling. Working for the Bureau of Reclamation – Columbia-Pacific Northwest Region, M. Rojas modeled river-reservoir operations in support of long-term decision making and planning for the Columbia Pacific Northwest region. Her work involved complex regional scale water allocation and security problems in a stakeholder and climate change informed space.

Water Resources Design. M. Rojas has worked on an array of hydraulic and hydrologic analyses projects including bridge scour, river restoration, fish passage, and stormwater analyses. M. Rojas applied fluvial geomorphologic and aquatic ecosystem principles in stream and wetland restoration designs.

Regulatory. M. Rojas has worked on NEPA processes, Stormwater Best Management Practices, and Emergency Action Plans.

Water Resources Fieldwork. M. Rojas has performed topographic and bathymetric surveying, water quality testing, measuring streamflow, and fisheries monitoring.

GIS Applications. Experienced in the use of GIS applications related to water resources, including use of ArcGIS, ArcGIS Pro and QGIS platforms. M. Rojas has utilized GIS mapping analysis software for visualization, post-processing of survey data, and analyses.

Experience

Water Resource Engineer,
DiNatale Water Consultants, Inc.
2023 – present

Civil Engineer, GS-0810-11
Bureau of Reclamation
2022 – 2023

Staff Civil Engineer
McMillen Jacobs Associates
2020 - 2022

Education

M.S. Civil Engineering
University of Massachusetts Amherst
2020

B.S. General Engineering
Smith College
2018