

Notice of Section 401 Application Reception

File Number: 302023-07

Project Name: San Joaquin Marsh Reserve Water Conveyance and Habitat Improvement

Received: 5/02/2023

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End of 21 Day Public Comment Period: 6/01/2023

Project City: Irvine

Project County: Orange

Applicant Organization: University of California, Irvine, Campus Planning & Sustainability

Applicant Name: R. Umashankar

Waterboard Staff: TBA

Brief Description of Project:

Project Description: The proposed Project is intended to improve long-term water management to sustain hydrologic function and habitat values of the San Joaquin Marsh Reserve (Marsh Reserve). One of the Project's design goals proposes establishment of infrastructure and a drainage swale to mitigate the impacts of climate change (e.g., drought, flooding, and sea level rise) and improve water quality, primarily associated with the Lower Marsh. A second design goal focuses on diversifying water sources (from IRWD or San Diego Creek), capture/retention, and controlled movement for the purposes of habitat enhancement and stability, also currently impacted by climate change.

Project Activities: The proposed improvements include: 1) excavation of swales to enhance water distribution, water quality/circulation, and stability of wetland habitat, 2) raising berms / dirt roads to increase storage capacity, duration, and efficiency of passive drainage and 3) replacement of open pipes with slide gates to enable control of water between management units.