

**URBAN AND REGIONAL INFORMATION SYSTEMS ASSOCIATION (URISA). 21st
Annual California GIS Conference – June 1-3, 2015**

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(Poster) Mapping Stormwater Plume Interactions with Southern California Bight MPAs

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Abstract

The potential for water quality impacts to Marine Protected Areas is largely unknown, particularly from intermittent large-scale non-point sources of pollution such as stormwater runoff. Initial results from screening studies have indicated the probability of stormwater exposure to Areas of Special Biological Significance (ASBS). However, this work focused exclusively on ASBS and did not include any other type of marine protected areas (MPAs). This aim of this project is to address this knowledge gap by producing plume probability maps for all Southern California mainland MPAs.