



KEY	Environmental Target	Human Wellbeing Target	Threat	Contributing Factor	Strategy	Assumption

Situation Analysis for Santa Barbara Urban Creeks Council (UCC) Options for Phase 2 funding. Based on the UCC commissioned study regarding the Mission Tunnel Impacts on Upper Mission Creek Hydrology and Aquatic Habitat (Loaiciga et al., 2023) and conversations with other non-profits working in this part of the watershed (S. Moret June 6, 2023).

Mission Creek, Santa Barbara, CA, USA, has a water diversion tunnel called the Mission Creek Tunnel which has reduced the quantity of water in Mission Creek needed to support aquatic and riparian habitat and species because it has affected water quality, summer pools, and a sustainable groundwater table. In addition, infrastructure and land use impacts - including roads and trails, debris basins, dams, bridges, and landscaping - have created alterations to fish passage and sediment and have introduced non-native plants. The first phase of a study commissioned by the Santa Barbara Urban Creeks Council documented these relationships and potential strategic solutions (Loaiciga et al., 2023). The second phase of this study seeks to investigate the means and methods for restoring water to Mission Creek to support aquatic and riparian habitat and species.