



Santa Barbara County Public Works Department

Flood Control • Water Agency • Project Clean Water

130 E. Victoria Street, Suite 200, Santa Barbara, CA 93101

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<http://cosb.countyofsb.org/pwd/pwwater.aspx?id=2956>

SCOTT D. MCGOLPIN

Director

THOMAS D. FAYRAM

Deputy Director

November 12, 2020

Marc Beyeler

Executive Director

BEACON

105 E. Anapamu Street, Suite 201

Santa Barbara, CA 93101

Re: Commitment of Funding and Support for BEACON Proposition 68 Coastal Resilience Grant

Dear Mr. Beyeler,

The Santa Barbara County Flood Control District (District) is writing to confirm its commitment to provide \$50,000 in matching funding and to participate in the BEACON grant project proposal. The department fully supports BEACON's request for funding from Proposition 68 to undertake the final planning and design for demonstration sediment deposition pilot projects along the BEACON coastline in the Santa Barbara Littoral Cell.

The District is fully supportive of implementation planning for regional sediment management focused on SLR adaptation, and coastal habitat restoration, including beach enhancement and dune restoration.

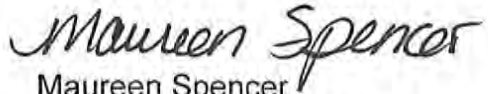
The District is in complete agreement that it is extremely important to keep watershed-generated sediments within the coastal drainage systems and in the local marine environment to preserve and build healthy nearshore, shoreline, and back-dune ecosystems which are vital building blocks for creating safe habitat for the propagation of numerous endangered species. Healthy shore and marine environments provide for resilient and adaptive shorelines in this era of climate-induced sea level rise.

Environmentally sound and resilient sediment management has been a goal of BEACON for the past 40 years. Developing environmental and ecological criteria for future sediment deposition projects in our region would provide additional protection from projected sea level rise and would provide a sustainable alternative to the continuing armoring of the California coast.

BEACON has been a strong proponent of utilizing living shoreline, natural infrastructure and managed retreat in our region, including the Surfers Point project in Ventura. The information to

be gained from the proposed research and design in BEACON's Prop 68 proposal will advance sustainable and resilient coastal planning in the Santa Barbara-Ventura coastal region.

Sincerely,

A handwritten signature in black ink that reads "Maureen Spencer". The signature is written in a cursive, flowing style.

Maureen Spencer
Environmental Manager



United States Geological Survey
Pacific Coastal and Marine Science Center
2885 Mission Street
Santa Cruz, CA 95060

Mr. Marc Beyeler

Executive Director

Beach Erosion Authority for Clean Oceans and Nourishment (BEACON)

105 East Anapamu, Suite 201

Santa Barbara, CA 93101

November 10, 2020

RE: Proposition 68: Coastal Resilience Grant Program Proposal

Dear Mr. Beyeler:

As sea levels rise, it is important for coastal communities to understand and evaluate their options to develop resilience. Sediments are a critical part of coastal resilience, and proper use and management of sediment resources will reduce impacts of coastal flooding and shoreline erosion.

Therefore, I am writing in support of BEACON's proposal to OPC's California Resilience Grant program. This work will address climate change impacts experienced along California's coasts by investigating novel sediment solutions to coastal erosion. The proposed study will fill critical information gaps in sediment transport and fate and will assist in future management decisions and strategies along California's coastline.

The USGS is looking forward to collaborating with BEACON and other project partners to share data, conduct studies, and assist with implementing this project, if it is funded. To support this effort, the USGS will be contributing salary time of staff scientists equivalent to \$24,000. The USGS also brings decades of experience in conducting and synthesizing similar sediment resource studies that have been instrumental to the management of California's coastal resources.

Sincerely,

A handwritten signature in black ink, appearing to read "J. Warrick", is written over a horizontal line.

Jonathan A. Warrick, Ph.D.

Research Geologist

jwarrick@usgs.gov



November 12, 2020

Subject: *Letter of Support for the BEACON's proposal for Ocean Protection Council's Proposition 68 Grant Solicitation*

Dear Mr. Beyeler:

The Tijuana River National Estuarine Research Reserve (TRNERR) conducts and facilitates science-to-management in partnership with state and federal agencies, local governments, and non-profit organizations. Of primary interest is exploring opportunities for advancing nature-based solutions to sea level rise and other climate impacts on critical remaining wetland and coastal habitats in the Southern California Bight. Advancing our understanding of climate change impacts and identifying adaptation pathways in this region that include more coordinated and beneficial sediment management is paramount to our mission.

Therefore, I am writing in support of BEACON's proposal to OPC's California Resilience Grant program. This work will address climate change impacts experienced along California's coasts by investigating novel sediment solutions to coastal erosion. The proposed study will fill critical information gaps in sediment transport and fate and will assist in future management decisions and strategies along California's coastline.

TRNERR is eager to programmatically support BEACON and other project partners through its Coastal Training Program, which is in place to explore opportunities for collaborative science, convene coastal decision-makers, and develop and deliver science-based training and technical assistance to meet coastal management needs. Additionally, we believe lessons from this work can be transferred to other regions in the State to catalyze more dialogue about and implementation of resilient practices in the area of sediment management as a natural and nature-based solution.

Please feel free to contact me with any questions.

Sincerely,

A handwritten signature in black ink that reads "Kristen Goodrich". The signature is fluid and cursive, with the first name "Kristen" and last name "Goodrich" clearly legible.

Kristen Goodrich, Ph.D.
Coastal Training Program Coordinator
email: kgoodrich@trnerr.org

Justine Kimball
Senior Climate Change Program Manager
Ocean Protection Council, California Natural Resources Agency
1416 Ninth Street, Suite 1311
Sacramento, CA 95814

10 November 2020

Re: Commitment Letter for BEACON Proposal to OPC Prop 68 Coastal Resilience RFP

California Sea Grant enthusiastically supports Beach Erosion Authority for Clean Oceans and Nourishment's (BEACON) proposal, Regional Sediment Management SLR Adaptation Pilot Program. This proposal is submitted in partnership with BEACON and its member agencies along with the U.S. Geological Survey (USGS), UC Santa Barbara Faculty, Santa Barbara County Flood Control District, the Tijuana River National Estuarine Research Reserve, and California Sea Grant.

This project hopes to develop a regional framework to solve a long-standing issue of interrupted sediment not reaching its natural pathway to coastal areas. To achieve this the components of the project are to develop better modeling for fine sized sediment, identify key characteristics of existing sediment in debris basins, understand beach ecological concerns of various placement protocols, and inform the design of two pilot projects. Moreover, the project aims to develop a collaborative understanding for the entities with extra sediment material, concerns over biological and water quality impacts, and a strong need to manage our coastal areas in the face of sea level rise and coastal hazards. As many watersheds and natural pathways for sediment transport have been altered by human use, this collaborative understanding is needed now more than ever.

California Sea Grant has a strong track record in the Santa Barbara region through a community/citizen science effort to document shoreline change. Community Alliance for Surveying the Topography of Sandy Beaches (CoAST SB) has leveraged community and student interest to monitor beach profiles. Additionally, California Sea Grant co-developed a comprehensive assessment of beach ecosystem impacts from sea level rise and coastal erosion, Coastal Ecosystem Vulnerability Assessment (CEVA), which has allowed for key insights into the cascading effects of sea level rise in Santa Barbara. California Sea Grant is excited about this proposal and is committed to developing and implementing the training and workshop components of the project. This effort seeks to coordinate the various entities involved to better reconnect the watershed to its natural function. Going forward we will need to utilize the available sediment resources and ensure the permitting process is achieving the spirit of their respective underlying regulations, having minimal environmental impact, while striving for coastal resilience.

Sincerely,



Nick Sadrpour
Program Coordinator
California Sea Grant
nsadrpour@ucsd.edu

Cc: Marc Beyeler, Executive Director, BEACON

November 12, 2020

Marc Beyeler
Executive Director
BEACON
105 E. Anapamu Street, Suite 201
Santa Barbara, CA 93101

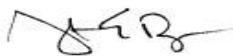
Re: Support for BEACON Proposition 68 Coastal Resilience Grant

Dear Mr. Beyeler,

I am writing this letter in support of BEACON's request for funding from Proposition 68 to undertake planning and design for demonstration sediment deposition pilot projects along the BEACON coastline in the Santa Barbara Littoral Cell. Should BEACON be successful in securing grant funding UCSB research staff are committed to be part of the project by contributing to the development of a conceptual framework that can be applied for better understanding the ecological impacts of sediment management activities on sandy beach ecosystems in the study region. Applying our expertise in coastal ecosystems to develop a synthetic conceptual framework focused on ecological impacts to beaches to better guide regional sediment management activities will be an important step toward the development of best practices and promoting sustainable and robust coastal resource protection.

Healthy shore and nearshore marine environments can provide for resilient and adaptive coastlines in this era of climate-induced sea level rise. Learning how to improve the delivery of watershed-generated sediments from the riparian systems to the coast in a way that can both preserve and build healthy nearshore, shoreline, and dune ecosystems is the overarching goal of the UCSB component of the larger project.

Sincerely,



Jenifer Dugan,
Research Biologist
Marine Science Institute,
University of California, Santa Barbara



January 20, 2021

Marc Beyeler
Executive Director
BEACON
105 East Anapamu Street, Suite 201
Santa Barbara, CA 93101

RE: BEACON Prop. 68 Coastal Resilience Grant Proposal

Dear Mr. Beyeler:

I am writing in support of BEACON's proposal to OPC's California Resilience Grant proposal. This work will address climate change impacts experienced along California's coasts by investigating novel sediment solutions to coastal erosion.

The Carpinteria coast has suffered from severe winter storms that have threatened public and private improvements along our coast. The supply of local sediment that nourishes our shoreline has been intercepted by various flood control projects in our nearby foothills. The proposed study will inform future decisionmakers on optimizing strategies on how to restore natural sediment transport to and along California's coastline.

The grant work will also identify best management practices and protocols to best invest in sediment deposition on local area sandy beaches and nearshore marine environments, including Carpinteria City Beach.

The City is fully supportive of implementation planning for regional sediment management focused on SLR adaptation and coastal habitat restoration, including beach enhancement and dune restoration. The information to be gained from the proposed research and design in BEACON's Prop 68 proposal will advance sustainable and resilient coastal planning in the Santa Barbara-Ventura Coastal region.

Sincerely,

A handwritten signature in blue ink that reads "Matthew Roberts".

Matthew Roberts
Director, Parks, Recreation and Public Facilities
City of Carpinteria