

CALIFORNIA COASTAL COMMISSION

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F11b

6-21-0628 (Oceanside opportunistic beach fill program)

April 8, 2022

CORRESPONDENCE

From: [Ross, Toni@Coastal](mailto:Ross_Toni@Coastal)
To: [Ross, Toni@Coastal](mailto:Ross_Toni@Coastal)
Subject: FW: Public Comment on April 2022 Agenda Item Friday 11b - Application No. 6-21-0628 (Oceanside opportunistic beach fill program, Oceanside)
Date: Tuesday, April 5, 2022 3:14:52 PM
Attachments: [City of Del Mar Resolutuion re groin projects.pdf](#)

From: Dwight Worden <dwightworden@gmail.com>
Sent: Friday, April 1, 2022 1:37 PM
To: SanDiegoCoast@Coastal <SanDiegoCoast@coastal.ca.gov>
Subject: Public Comment on April 2022 Agenda Item Friday 11b - Application No. 6-21-0628 (Oceanside opportunistic beach fill program, Oceanside)

Friday April 8, 2022
Agenda Item 11 (b)
Application No. 6-21-0628 (Oceanside opportunistic beach fill program)

Chairperson Donne Brownsey and Members of the Coastal Commission

I write in SUPPORT of the referenced Oceanside application. The city of Del Mar recently adopted a Resolution expressing concern over the Oceanside groin pilot program and any similar programs that may interrupt the flow of sand to our downstream city. Other north coast cities have adopted similar resolutions of concern, including Carlsbad and Solana Beach. We are pleased, however, to support Oceanside's efforts to renew its SCOUP. Working together on beach nourishment solutions that do not have the potential to adversely affect regional neighbors is the way to go, not for individual cities to step out on their own with groins having the potential to disrupt downstream sand flow.

Sincerely,
D. Dwight Worden
Mayor, City of Del Mar

RESOLUTION NO. 2022-16

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF DEL MAR, CALIFORNIA, EXPRESSING OPPOSITION TO THE CONSTRUCTION OF DEVICES THAT WOULD INTERFERE WITH THE NATURAL FLOW OF BEACH SAND INTO DEL MAR

WHEREAS, the City of Del Mar's adopted Sea Level Rise Adaptation Plan (Environmental Science Associates 2018) identifies groins as an adaptation measure to be investigated and considered as an option for sand retention in the future where it can be designed to act as a filter that minimally reduces littoral sand drift rather than function as a barrier to the natural longshore transport of sand; and

WHEREAS, Del Mar's Adaptation Plan explains that the use of groins as an adaptation option would need to be studied carefully in the context of its benefits and risks to public beaches and explicitly identifies some potential negative impacts of groins include: the potential to alter the character of the natural shoreline, the potential to diminish horizontal access along the beach, and the potential for habitat impacts; and

WHEREAS, the City of Del Mar expresses concern about the construction of devices that could interfere with the natural flow of beach sand into Del Mar, with particular concern that projects north of Del Mar may significantly reduce the natural sediment transport southward and alter the character of Del Mar's shoreline; and

WHEREAS, Del Mar's Adaptation Plan identifies beach nourishment and maintenance of a wide sandy beach as priority adaptation strategies to minimize the risk of erosion and flooding due to projected sea level rise; and

WHEREAS, on October 9, 2019, the City of Oceanside City Council directed its staff to initiate a process to identify feasible solutions to protect the Oceanside coastline from erosion by either utilizing re-nourishment projects of beach suitable sands, construction of retention devices to reduce the loss of sand, or a combination of both; and

WHEREAS, in April 2020, the Oceanside City Council approved a professional services agreement with engineering consultant GHD, who then worked on a study evaluating alternatives to stabilize and enhance the beach widths within the City of Oceanside; and

WHEREAS, on August 11, 2021, the resulting Beach Sand Replenishment and Retention Device Project Feasibility Analysis and a staff report were presented to the Oceanside City Council; and

WHEREAS, the study area spanned the coastline from the southern end of Camp Pendleton south to the southern jetty of the Agua Hedionda Lagoon; and

WHEREAS, Section 2., Coastal Setting, of the analysis document, states in part: *The wave climate within the City is characterized by seasonal long-period swells generated by distant storms in the North Pacific and Southern Oceans. Southern swell arrives at Oceanside from the southwest through the spring and summer months and transports sand to the north...Larger North Pacific swell[s] approaching from the northwest and west during the fall and winter months transports sand to the south...Waves are the dominant driver of sediment transport along Oceanside beaches. The*

net longshore sediment transport patterns for Oceanside are accepted to be southern, although seasonal variations are common and depend on the swell direction. There are numerous estimates of the longshore sediment transport for Oceanside and within the Oceanside Littoral Cell...These estimates are based on historic studies and have not been updated or field verified recently. However, amongst these studies there is general agreement that Oceanside experiences a net sediment transport to the south of 100,000 to 200,000 cubic yards (cy) per year, and

WHEREAS, GHD estimated the cost and the approach of future phases of the project, and engaged the Center for Climate Change Impacts and Adaptation at the Scripps Institute of Oceanography to develop a scientific coastal baseline and monitoring plan; and

WHEREAS, GHD also performed numerical modeling to predict how the alternatives could impact local and regional sand movement; and

WHEREAS, of the four retention alternatives studied, groins were ranked the highest - based on the multi-criteria analysis of technical performance, financial analysis, and environmental consideration; and

WHEREAS, the analysis document recommended a pilot project consisting of four groins and a sand bypass system, with a project area that spans the coastline from the Oceanside Pier south to the outlet of the Buena Vista Lagoon; and

WHEREAS, the Oceanside City Council voted to initiate the pilot project and directed staff to begin the associated design, permitting and environmental work; and

WHEREAS, the City Council of the City of Carlsbad has expressed concern and adopted a resolution in opposition of the project on January 11, 2022, stating that the groins alternative has the potential to interfere with the natural flow of sand down the coast, particularly into Carlsbad; and

WHEREAS, there is similar potential to interfere with the natural flow of sand to the City of Del Mar as reflected in the City's adopted Sediment Management Plan (Environmental Science Associates 2018) which studied the existing longshore sediment transport system and identifies that sand within the Oceanside Littoral cell predominately migrates down the coast from Oceanside to Del Mar; and

WHEREAS, the National Park Service's statement on groins notes, "By design, these structures are meant to capture sand transported by the longshore current; this depletes the sand supply to the beach area immediately down-drift of the structure;" and

WHEREAS, the City of Oceanside's stated intent with the groins alternative was that it would be "adaptable and reversible" based on the results of scientific monitoring programs; and

WHEREAS, if sand retention success is achieved with the initial four groins, more groins may be added to other sections of the Oceanside coastline in the future; and

WHEREAS, the next phase of the project is expected to take about two to four years and City of Oceanside staff plan to work with GHD to conduct additional public outreach before the final groin locations are determined; and

WHEREAS, the California Coastal Commission, Marine Corps' Camp Pendleton, Surfrider Foundation and other stakeholders are expected to be invited to engage in the outreach process; and

WHEREAS, there will also be opportunities for City of Del Mar staff and other municipalities to provide comments on the potential impacts from the project; and

WHEREAS, the Oceanside groin project may impede successful implementation of Del Mar's Sea Level Rise Adaptation Plan and hazard mitigation strategies as set forth in the Del Mar Community Plan (General Plan); and

WHEREAS, the City of Del Mar supports regional collaboration and regional solutions to sediment management that benefit all beaches located within the Oceanside Littoral cell.

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Del Mar, California, as follows:


1. That the above recitations are true and correct.
2. That the City of Del Mar City Council opposes the construction of devices that would interfere with the natural flow of beach sand into Del Mar, including the approved groin pilot project planned by the City of Oceanside.
3. That staff will send a copy of this resolution to the North County Coastal City Councils and City Managers, the San Diego Association of Governments Shoreline Preservation Working Group, and California Coastal Commission.

PASSED, APPROVED AND ADOPTED by the City Council of the City of Del Mar, California, at the Regular meeting held this 22nd day of February 2022.



Dwight Worden, Mayor
City of Del Mar

APPROVED AS TO FORM:




Leslie E. Devaney, City Attorney
City of Del Mar

ATTEST AND CERTIFICATION:

STATE OF CALIFORNIA
COUNTY OF SAN DIEGO
CITY OF DEL MAR

I, SARAH KRIETOR, Acting City Clerk of the City of Del Mar, California, DO HEREBY CERTIFY, that the foregoing is a true and correct copy of Resolution No. 2022-16, adopted by the City Council of the City of Del Mar, California at a Regular Meeting held the 22nd day of February 2022, by the following vote:

AYES: Mayor Worden, Deputy Mayor Martinez, Council Members Druker and Gaasterland
NOES: Council Member Quirk
ABSENT: None
ABSTAIN: None



Sarah Krietor, Acting City Clerk
City of Del Mar