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INFORMATIONAL UPDATE AND PRESENTATION ON TWO NEW PUBLIC GIS-BASED INTERACTIVE SPATIAL TOOLS: THE SAN DIEGO OCEAN PLANNING PARTNERSHIP WEB MAPPING APPLICATION AND THE STATE LANDS COMMISSION SEA-LEVEL RISE VIEWER

INTRODUCTION

The Commission is committed to providing the public, lessees, grantees, and partner agencies with the best available mapping resources to enhance Public Trust resource management and decision-making. This informational update and presentation will highlight two recent mapping projects developed by staff and partners. The first is the Web Mapping Application for the San Diego Ocean Planning Partnership (SDOPP), a collaborative pilot project between the Commission and the Port of San Diego (Port). This pilot project is centered on understanding and balancing Public Trust ocean uses including commerce, navigation, recreation, fisheries, and environmental stewardship. The second is the Commission Sea-Level Rise Viewer, an interactive visualization tool developed to assist with sea-level rise planning, lease application review, and lease management.

SAN DIEGO OCEAN PLANNING PARTNERSHIP WEB MAPPING APPLICATION

In October 2016, the Port and Commission entered into a Memorandum of Agreement (MOA) to form the San Diego Ocean Planning Partnership. The Port is the State's trustee of Public Trust lands within San Diego Bay granted by the California State Legislature in 1962. The Commission retains residual and review authority over these and other granted lands. This Partnership is the first time the Commission has partnered with a local trustee in a collaborative effort of this scale. The intent of this pilot project is to gain an understanding of and establish a process to enhance management opportunities to balance different ocean uses for the state-owned tidelands and submerged lands located in the Pacific Ocean offshore of San Diego County.

The first phase of this Partnership is the Preliminary Assessment Phase to better understand the current and future uses in state waters offshore San Diego County, and challenges surrounding those uses. The Assessment Phase has consisted of two parallel efforts: public engagement and data collection. The public engagement effort included focused stakeholder interviews, small group meetings, and larger public meetings to receive input from stakeholders and local Native American Tribes about their ocean uses, challenges with ocean uses,

benefits and concerns about ocean planning, and suggestions for managing ocean planning processes moving forward. This effort was summarized and presented in the Preliminary Assessment Report, released in December 2018. The data collection effort was comprised of collecting and compiling publicly available, coastal and marine-related spatial data, displayed in a Web Mapping Application.

The Web Mapping Application is a public, interactive site where ocean users and decision-makers can explore and visualize publicly available data relevant to the coast and ocean offshore San Diego County. Users of the Web Mapping Application may select different layers, overlay them, and use a variety of features and tools to assess and analyze how ocean resources and uses interact with one another. The intent of the Web Mapping Application is to make ocean and marine-related information available to everyone. These data, which can be layered and viewed simultaneously, visualize current uses in the ocean and oceanographic conditions, and can help users understand where there may be potential to enhance a current use, avoid user and management conflicts, and identify potentially suitable areas for new projects or emerging uses. The Web Mapping Application is organized by Public Trust use and may help inform management decisions, such as the Commission's process for considering lease applications in the ocean space.

COMMISSION SEA-LEVEL RISE VIEWER

The Commission Sea-Level Rise Viewer is also a web mapping application that supports the Commission's efforts to address sea-level rise impacts and planning. The intent of the Sea-Level Rise Viewer is to enhance the ability of staff and the public to make informed, data-driven decisions about the planning and management of critical Public Trust resources along the coast. The Sea-Level Rise Viewer can be used for lease application review, lease term development, environmental review, and to communicate and educate lessees, grantees, and the public about the risks to Public Trust lands and resources to help prioritize adaptation strategies. Some of the key features of the Sea-Level Rise Viewer include the Commission's unique lease point layer, the ability to display potential future sea levels, the overlay of sensitive habitats, critical infrastructure, and socioeconomic data with different sea-level rise scenarios, and a database of city and county sea-level rise planning documents.

OTHER PERTINENT INFORMATION:

1. These Web Mapping Applications are consistent with Strategy 1.2 of the Commission's Strategic Plan, to provide that the current and future management of ungranted sovereign lands and resources and granted lands, including through strategic partnerships with trustee ports and harbor districts, is consistent with evolving Public Trust principles and values. The Commission recognizes that strong partnerships are the key to innovative and responsible land and resource management.

2. These Web Mapping Applications are consistent with Strategy 1.4 of the Strategic Plan to incorporate strategies to address climate change, adapt to sea-level rise, incentivize water conservation, and reduce greenhouse gas emissions and the generation of litter and marine debris into all the Commission's planning processes, project analyses and decisions. Strategy 1.4.1 is to provide applicants and grantees with the best available science on the impacts of climate change, sea-level rise, and adaptation strategies. Strategy 1.4.2 is to coordinate with lessees, grantees and agency partners to implement actions, and where appropriate require lessees, to address impacts of climate change, adapt to sea-level rise, promote and incentivize water conservation, reduce greenhouse gas emissions, and reduce generation of marine debris and litter. Finally, Strategy 1.4.3 is to adopt flexible, adaptive approaches to address sea-level rise that protect vulnerable populations and give priority to natural infrastructure solutions consistent with the public's trust needs and the State's climate change adaptation strategy "Safeguarding California" and Executive Order B-30-15 on climate adaptation.

3. These Web Mapping Applications are consistent with Strategy 4.2, to extend Geographic Information Systems (GIS) content and capabilities to be an integrated decision-making tool for the Commission's management of lands and resources and a valued visualization and communication mechanism for the public. The Commission strives to use the most current technological resources to inform decision-making and broaden public awareness and engagement.