

ESA Enduring Effects



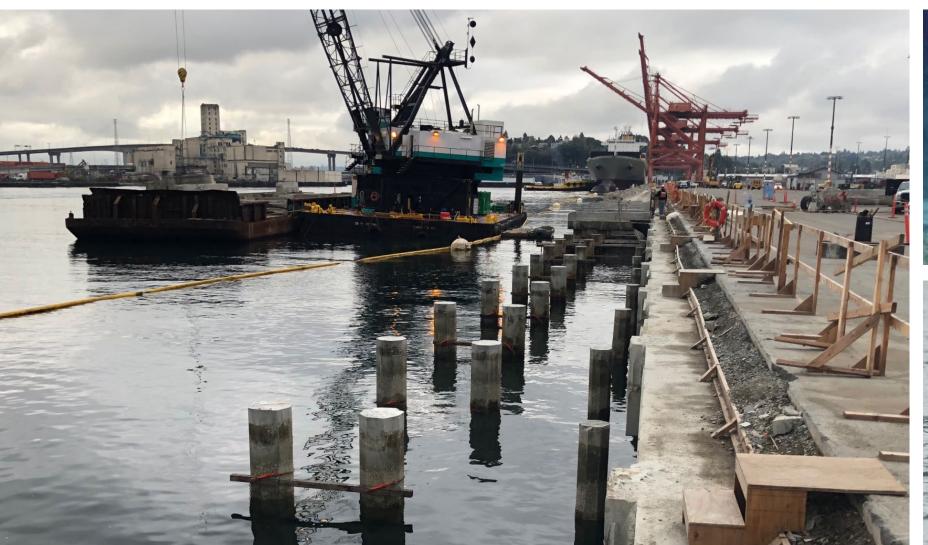


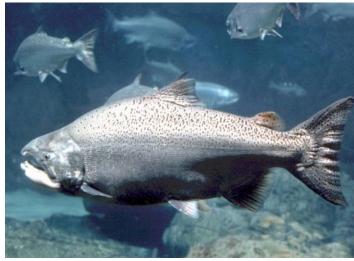
UNCERTAINTY

- Definition of "harm"
- "Passback memo"
- Enduring effects policy



Critical Habitat Impacts Drive Nearshore Mitigation







BACKGROUND

Consultation Approach

- Nearshore habitat calculator
- Maintenance projects 1:1
- New projects 2:1

Mitigation Options

- In-lieu fee credit purchase
- Permittee-responsible mitigation





IN LIEU FEE PROGRAMS

- Puget Sound Partnership
- Hood Canal Coordinating Council

MITIGATION BANKS

- Blue Heron Slough
- Port of Seattle Proposed Umbrella Bank
- Port of Tacoma Upper Clear Creek



RECENT IMPACTS

Port of Bellingham

\$872K pile wrapping (paid)

Port of Everett

• \$800K maintenance dredging (pending)

Port of Seattle

Estimated >\$20M to repair/replace
Terminal 5 under nearshore calculator



COMPREHENSIVE MITIGATED MAINTENANCE PERMITS

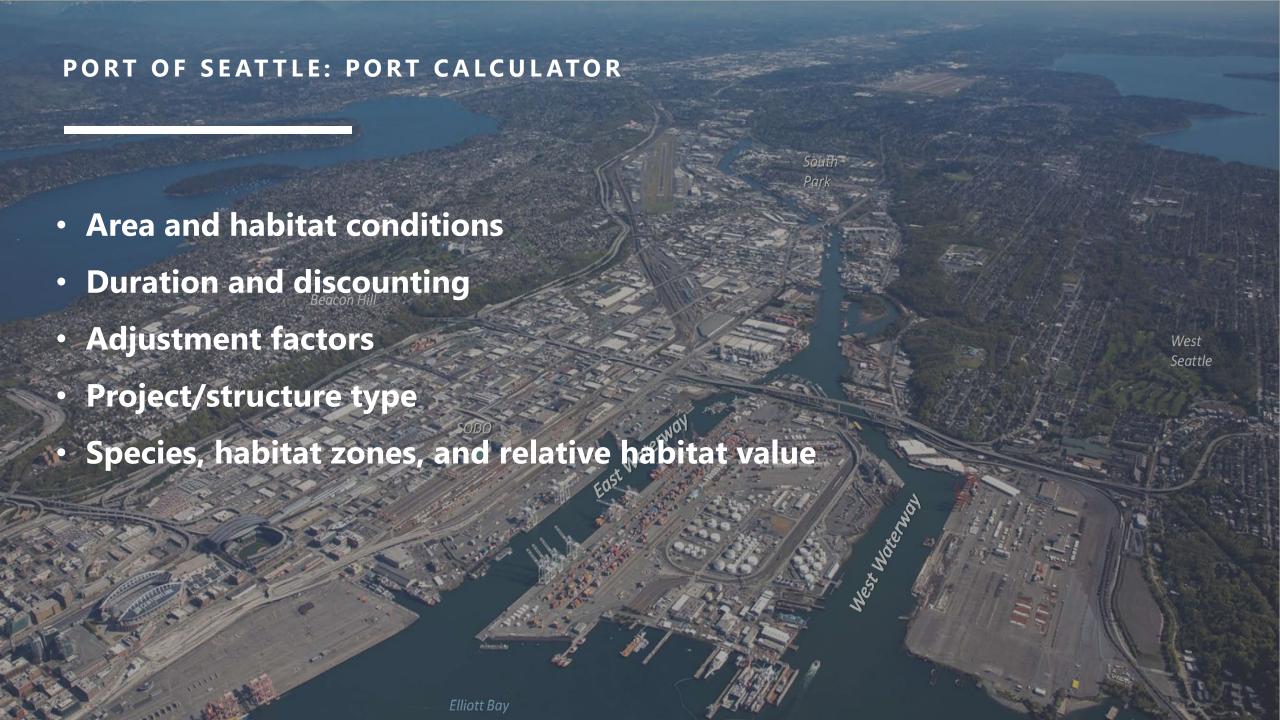
Ports of Seattle and Tacoma

Applicable habitat: highly developed port environments

Actions Covered

- Structure maintenance and replacement
- Dredging
- Creosote removal
- Restoration





SOLUTIONS

- Early communication
- Collaboration
- Relationships
- Investment

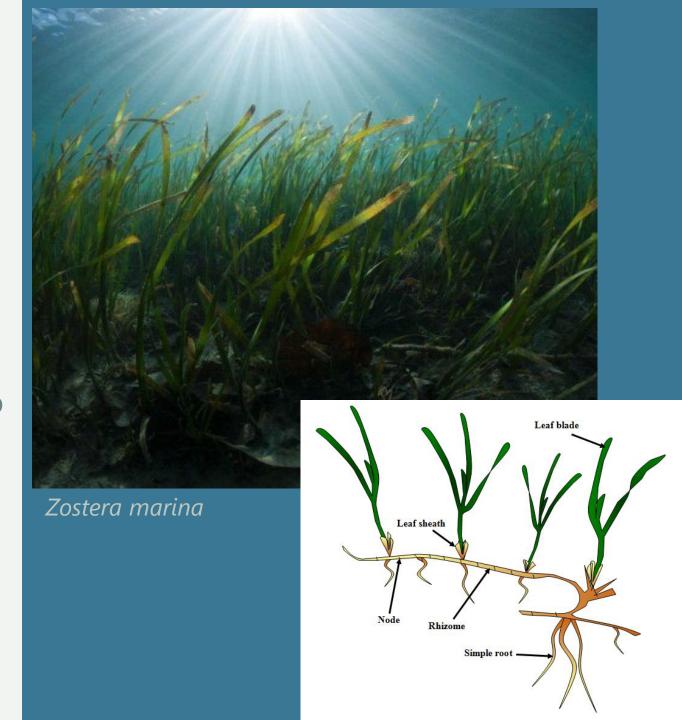


Eelgrass



HABITAT REQUIREMENTS

- Lots of light
- Moderate wave disturbance and good tidal flushing
- Firm sand to soft mud
- Depths ranging from -1 ft to -20 ft mean lower low water (MLLW) up to 100 ft deep in very clear water
- Cool and clear waters
- Ideally between 50 and 68° F



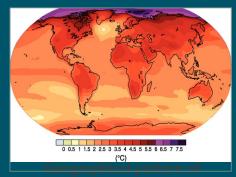
REGULATORY REQUIREMENTS

- Eelgrass considered a sensitive resource by state and federal agencies
- All proposed actions that could adversely affect eelgrass require federal agencies to consult with the National Marine Fisheries Service
- Project-specific mitigation required at a 1.38:1 ratio, per the California Eelgrass Mitigation Plan (CEMP) mitigation requirements









surface warming



LOWER NEWPORT BAY



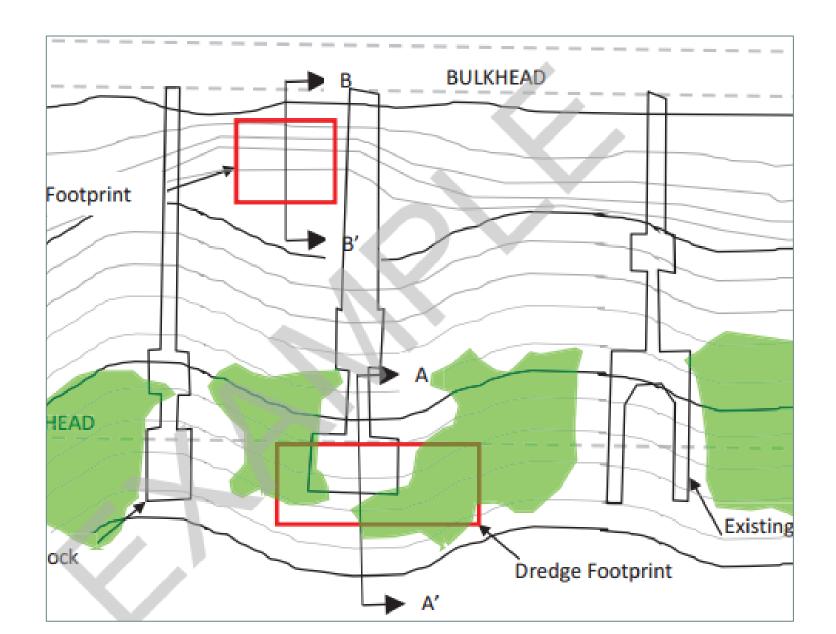
RGP 54 KEY ACTIVITIES

- Cumulative annual dredging limit up to 75,000 cy
- Maximum 8,000 cy per project limit



- Maintenance dredging to -10 feet MLLW (plus 2 feet of overdepth allowance)
- Temporary impacts to eelgrass as a percentage of current population in the harbor

MAINTENANCE DREDGING



Dredging can result in temporary impacts to eelgrass

NEWPORT-SPECIFIC EELGRASS PLAN

- Protect and promote eelgrass habitat on a harbor-wide basis
- Establish thresholds for total eelgrass population (based on biennual surveys)
- Allow temporary impacts to eelgrass from maintenance dredging
- Reduce burden for individual mitigation









Photo credits: Virginia Institute of Marine Science, Whatcom County Water Resources, Southern Fried Science, and WildCare

EELGRASS MANAGEMENT ZONES



CITY'S ORIGINAL ROADMAP

- Educate property owners/public outreach
- Conduct biennual surveys of plan area and harbor-wide surveys every 4 years
- Provide applicant-responsible measures
- Contribute to Coastkeeper



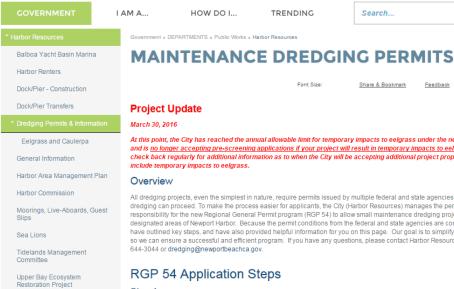
Buoy-deployed seed bags



Transplanting eelgrass restoration frames

TOOLS FOR SUCCESS

- Application templates
- Dredging and Disposal Operations Plan templates
- Completed application example
- City tracking workbook
- Cumulative dredge volume, eelgrass impact, etc.



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TRENDING

At this point, the City has reached the annual allowable limit for temporary impacts to eelgrass under the new RGP 54, and is no longer accepting pre-screening applications if your project will result in temporary impacts to eelgrass. Please check back regularly for additional information as to when the City will be accepting additional project proposals that

All dredging projects, even the simplest in nature, require permits issued by multiple federal and state agencies before dredging can proceed. To make the process easier for applicants, the City (Harbor Resources) manages the permitting responsibility for the new Regional General Permit program (RGP 54) to allow small maintenance dredging projects within designated areas of Newport Harbor. Because the permit conditions from the federal and state agencies are complex, we have outlined key steps, and have also provided helpful information for you on this page. Our goal is to simplify the process so we can ensure a successful and efficient program. If you have any questions, please contact Harbor Resources at 949-644-3044 or dredging@newportbeachca.gov.

RGP 54 Application Steps

Step 1. Pre-application screening - Submit the following to Harbor Resources to initiate the process:

Step 3. Application – Submit a completed application to Harbor Resources electronically. Please be sure to submit the application form and the required attachments as separate files - do not combine into a single PDF. Submit a signed RWQCB Certification statement and applicable fees to Harbor Resources at 100 Civic Center Drive, Newport Beach, CA 92660. Applicable fees include the following:

- --- \$1,674 check payable to City of Newport Beach; and
- --- \$200 check for Clean Water Act Section 401 Certification, payable to State Water Resources Control Board.

RWQCB Certification Statement Template

Example completed RGP 54 application package

Step 4. Harbor Resources will contact you if additional information is required. Once the application is complete, we will forward your application to the regulatory agencies (Coastal Commission, Corps of Engineers, and Water Board) for

Step 5. Approximately 60 to 90 days after your application is submitted to the agencies, Harbor Resources will notify

Step 6. Submit a signed Applicant Agreement to Harbor Resources, perform any pre-project requirements (as listed in the application), and start the project!

Step 7. After your dredging project is complete, submit post-construction reports and perform eelgrass mitigation (if

Helpful information for planning a maintenance dredging project

- · Sediment characterization map
- Timeline and Process for a Project under RGP 54
- Eelgrass and Caulerpa information
- Felorass Protection and Mitigation Plan
- Applicant Agreement
- Determination of Project Types under RGP 54 and Corresponding Requirements

Templates for maintenance dredging projects

- Dredging Application for RGP 54. Application form should be filled out electronically and submitted to Harbor Resources. Note if multiple adjacent properties are applying under a single application, the limitations for a single project will apply. Template for Dredging, Transport, and Discharge Operations Plan for Beach Replenishment ONLY
- . Template for Dredging, Transport, and Discharge Operations Plan for Open Ocean Disposal ONLY
- Template for Post-Dredging and Disposal Completion Report

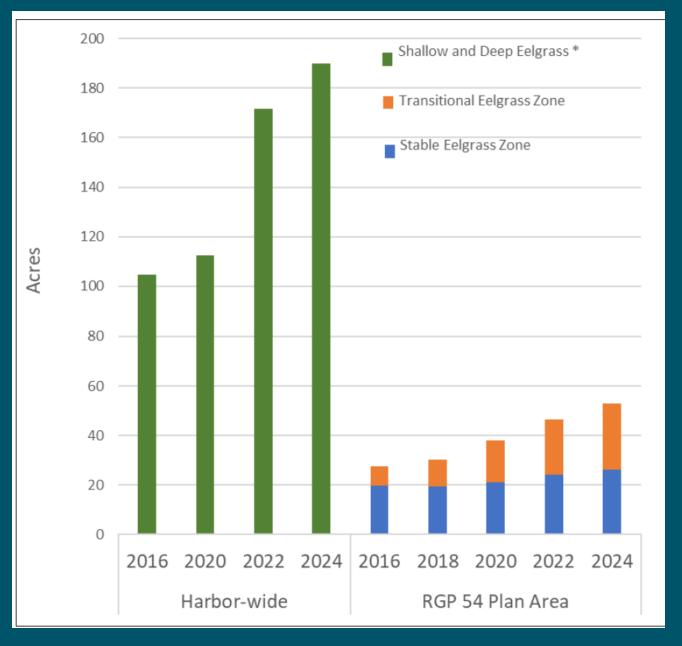
otprint (if proposing beach replenishment), or a note that you are proposing disposal at ocean disposal site or an inland disposal site.

Search...

a hand-marked drawing using an aerial image or an electronic "shapefile" (Horizontal

RGP 54 PROGRAM TO DATE











USACE File No: SPL-2016-00520-SME

RGP 54 Plan Area

City of Newport Beach GIS Division January 16, 2025

BENEFITS OF EELGRASS

- Under the City's RGP 54 and Eelgrass Plan, temporary impacts to eelgrass are permitted based on the total amount of eelgrass in the harbor.
- So, the more eelgrass the better!









Photo credits: Virginia Institute of Marine Science, Whatcom County Water Resources, Southern Fried Science, and WildCare





Questions/ Discussion

<u>Video</u>

