



CITY OF NEWPORT BEACH WATER QUALITY/COASTAL TIDELANDS COMMITTEE AGENDA

Newport Coast Conference Room, 100 Civic Center Dr, Newport Beach, CA
Thursday, December 3, 2015 - 3:00 PM

Water Quality/Coastal Tidelands Committee Members:

Mayor Pro Tem Diane Dixon, Chair
Council Member Kevin Muldoon, Vice Chair
Dennis Baker, Member
Tom Houston, Member
Carl Cassidy, Member
Louis Denger, Member
George Robertson, Member
Fred Galluccio, Member
Mike Melby, Member

Staff Members:

John Kappeler, Water Conservation Coordinator
Raymund Reyes, Public Works Management Specialist

The Water Quality/Coastal Tidelands Committee meeting is subject to the Ralph M. Brown Act. Among other things, the Brown Act requires that the Water Quality/Coastal Tidelands Committee agenda be posted at least seventy-two (72) hours in advance of each regular meeting and that the public be allowed to comment on agenda items before the Committee and items not on the agenda but are within the subject matter jurisdiction of the Water Quality/Coastal Tidelands Committee. The Chair may limit public comments to a reasonable amount of time, generally three (3) minutes per person.

The City of Newport Beach's goal is to comply with the Americans with Disabilities Act (ADA) in all respects. If, as an attendee or a participant at this meeting, you will need special assistance beyond what is normally provided, we will attempt to accommodate you in every reasonable manner. Please contact John Kappeler, Water Quality Enforcement Manager, at least forty-eight (48) hours prior to the meeting to inform us of your particular needs and to determine if accommodation is feasible at (949) 644-3218 or jkappeler@newportbeachca.gov.

NOTICE REGARDING PRESENTATIONS REQUIRING USE OF CITY EQUIPMENT

Any presentation requiring the use of the City of Newport Beach's equipment must be submitted to the Public Works Department 24 hours prior to the scheduled meeting.

- 1) **CALL MEETING TO ORDER**
- 2) **ROLL CALL AND INTRODUCTIONS**
- 3) **PUBLIC COMMENTS ON AGENDA ITEMS**

Public comments are invited on agenda items. Speakers must limit comments to three (3) minutes. Before speaking, we invite, but do not require, you to state your name for the record. The Water Quality/Coastal Tidelands Committee has the discretion to extend or shorten the speakers' time limit on agenda items, provided the time limit adjustment is applied equally to all speakers. As a courtesy, please turn cell phones off or set them in the silent mode.

- 4) **REVIEW AND APPROVAL OF MINUTES**

Recommendation: Approve minutes as presented.

[October 06, 2015 Draft Minutes with Attachments](#)

- 5) **OLD BUSINESS**

- (a) **Bay and Ocean Bacteriological Test Results (Monica Mazur)**
Review and discussion of recent water quality test results within Newport Bay and along the ocean shoreline.

6) **CURRENT BUSINESS**

- (a) **Newport Bay Trash Characterization Study (Ted Von Bitner)**
Presentation on the Newport Bay Trash Characterization Study.
- (b) **Trash and Debris Booms (Pat Fuscoe)**
Update on latest/newest trash and debris booms installed in Orange County.
- (c) **Santa Ana Delhi Channel Trash Removal Project (Bob Stein)**
Update on the Santa Ana Delhi Channel Trash Removal Project.
- (d) **Newport Bay Trash Cleanup Project (Billy Dutton)**
Presentation by Help your Harbor on their Newport Bay Trash Cleanup efforts.
- (e) **Future Committee Meetings and Committee Member Absences (John Kappeler)**
Review of the City's Boards, Commissions and Committees Handbook and a discussion on upcoming committee meeting dates for calendar year 2016.

7) **COMMITTEE ANNOUNCEMENTS OR MATTERS WHICH MEMBERS WOULD LIKE PLACED ON A FUTURE AGENDA FOR DISCUSSION, ACTION OR REPORT (NON-DISCUSSION ITEM)**

- (a) **Fecal Indicator Bacteria (FIB) Natural Source Exclusion**
- (b) **Fats, Oils and Grease (FOG) Program**
- (c) **Bottle Fill Stations**
- (d) **Rain Barrel Incentives**
- (e) **Newport Bay Sediment TMDL Presentation**
- (f) **County of Orange's Triennial Ocean, Harbor & Bay Water Quality Report**

8) **PUBLIC COMMENTS ON NON-AGENDA ITEMS**

Public comments are invited on agenda and non-agenda items generally considered to be within the subject matter jurisdiction of the Water Quality/Coastal Tidelands Committee. Speakers must limit comments to three (3) minutes. Before speaking, we invite, but do not require, you to state your name for the record. The Water Quality/Coastal Tidelands Committee has the discretion to extend or shorten the speakers' time limit on agenda or non-agenda items, provided the time limit adjustment is applied equally to all speakers. As a courtesy, please turn cell phones off or set them in the silent mode.

9) **SET NEXT MEETING DATE**

Recommendation: Call next meeting for January 7, 2016

Suggested Topics: Drought Response, Committee Project Updates and the County of Orange's Triennial Ocean, Harbor & Bay Water Quality Report

X. **ADJOURNMENT**

City of Newport Beach

Water Quality/Coastal Tidelands Committee Minutes

Date: October 6, 2015

Time: 3:01 p.m.

Location: Newport Coast Conference Room, 100 Civic Center Drive, Newport Beach, CA 92660

1. Welcome/Self Introductions

Committee Members present:

Chairwoman/Mayor Pro Tem Diane Dixon
Tom Houston
George Robertson
Carl Cassidy
Dennis Baker

Committee Members Absent:

Kevin Muldoon, Vice Chair
Fred Galluccio
Mike Melby
Lou Denger

Guests present:

Nancy Gardner, resident
Jim Mosher, resident
Jeff Coffman, Clean Green Technology
Jack Skinner, resident
David Pohl, Environmental Science Associates
Judith Marquez, Innovare Environmental
Darrel Ferguson, Surfrider Foundation
Billy Dutton, Help Your Harbor Program
Duffy Duffield, City Councilman

Staff present:

Mark Vukojevic, Deputy Public Works Director
Bob Stein, Assistant City Engineer
John Kappeler, Senior Engineer
Hazel McIntosh, Student Aide
Raymund Reyes, Management Specialist

The agenda for the Water Quality/Coastal Tidelands Committee was posted at 4:45 p.m. on October 1, 2015, in the binder located in the entrance of the Council Chambers at 100 Civic Center Drive.

2. Public Comment on Agenda Items

None.

3. Approval of Previous Meeting's Minutes

A motion to approve the September 17, 2015 meeting minutes was made by Dennis Baker. The minutes were approved.

4. Old Business

Due to the short time frame between meetings, only one round of sampling had been completed and no updates were available. **John Kappeler** reminded everyone that those interested, individuals could sign up to receive digital notifications with OC Beach Info.

5. Current Business

Newport Bay Watershed Executive Committee

Deputy Public Works Director **Mark Vukojevic** began the discussion with a brief overview on the history of the committee. Councilman **Duffy Duffield** provided an account of his experiences with the committee and noted the accomplishments in removing/mitigating selenium in the Big Canyon area. Mr. Duffield also commented on naturally kept land owned by UC Irvine. Mr. Duffy hoped that UC Irvine would participate in treatment and improvement methods. **Bob Stein** noted the primary reason for UC Irvine non-participation was a lack of funding; others noted the benefits of keeping the land in a natural state, such as research opportunities and the preservation of native seed and soil.

Jack Skinner provided further background and history on runoff and the discharge of nitrates into the bay in the 1980s. It was noted that the Regional Water Quality Control Board should focus on the issue of discharges into the bay. **Bob Stein** noted that the City completed its sediment Total Daily Maximum Daily Load (TMDL) requirements a decade ago, and suggested that the executive committee urge the County of Orange to complete its remaining sediment removal tasks. **Diane Dixon** suggested that sediment TMDL become a priority item. **John Kappeler** noted that the City pays about \$100,000 per year towards a funded TMDL program, but it only covers monitoring.

Dennis Baker noted that the City once declared an emergency in San Diego creek as a result of the County not monitoring flood channel. Poor planning and management of the channel resulting in the outfall, and **Mr. Baker** noted that the county seems to be repeating itself.

Tom Houston made a motion to ask the County to send a representative to provide an update on their progress on upstream dredging and check dams. **Dennis Baker** seconded the motion. **Diane Dixon** asked **John Kappeler** to coordinate.

ACTION ITEM: The City will coordinate with the County of Orange and have the County provide an overview and progress update on the County's management plan.

Following final comments from committee members and the public on sediment and the County, **Diane Dixon** concluded the discussion.

Proposition 1 Grant Programs

David Pohl of Environmental Science Associates began a presentation on Proposition 1 grant opportunities. **Mr. Pohl** discussed the issues of availability, eligibility, project types and upcoming solicitations. **Diane Dixon** asked what was available for the City and if any of the City's projects would be applicable for funding. **David Pohl** provided a summary of available

funds, including the California total for five years. **Diane Dixon** inquired about the viability of the Seawalls project for any funding opportunities under the Ocean Protection Council funding.

Jack Skinner discussed the Arches Drain project and the microbial source tracking study showing where the contaminants are coming from and how to get it under control. **John Kappeler** noted that there is a draft contract in process with the State Water Resources Control Board that would provide approximately \$890,000 in funding for the diversion project, with \$200,000 being funded by the City. **Duffy Duffield** inquired about the other storm drains and pipes adjacent to the arches area. **John Kappeler** provided an explanation of pipes and that the two diversions would capture and divert nearly all of the runoff from the pipes.

David Pohl continued with the overview of grant eligibility, project types and match requirements. Mr. Pohl pointed out that a portion of any Proposition 1 funded project should focus on water supply, water conservation and beneficial use of water.

Jack Skinner complimented John Kappeler on his work with grant proposals. **Diane Dixon** inquired if it were possible to get all of the committee's projects funded by Proposition 1, and urged that the committee give the necessary support to staff to go after the funding. **Mark Vukojevic** gave a quick overview on the grant process, and noted that grants do require a match component.

Dennis Baker asked if there was a place in Proposition 1 grant funding for non-profit groups, and if groups such as the Newport Bay Conservancy could go after funding specific to non-profits for projects such as Big Canyon. **David Pohl** commented on the roles of non-profit participation, and noted that community and non-profit input and participation in projects would ultimately contribute to project viability for available grant opportunities. **Mr. Baker** also inquired on what City staff could do to engage the resources that are available. **Bob Stein** responded, noting that the topic would be discussed during his presentation.

John Kappeler asked if a resolution to City Council would be required for Proposition 1 Grant Opportunities. Following a brief discussion on the topic, **Dennis Baker** made a motion to seek Proposition 1 grants and obtain authorization from City Council. **Carl Cassidy** seconded the motion. The motion was passed unanimously.

ACTION ITEM: Staff will seek Proposition 1 grants and obtain authorization from the Newport Beach City Council.

Proposition 1 Grant Projects

Bob Stein presented a review of potential projects as they apply to possible Proposition 1 funding opportunities. **Bob Stein** suggested the Big Canyon Wetland Restoration project, which would capture stormwater runoff and provide for the restoration of the wetland. Comments and discussion ensued on the topic of potential sea-level rise into the Big Canyon area and its relevance in funding opportunities. It was noted that Proposition 1 does contain provisions for coastal conservancy. **Mark Vukojevic** noted the real reality challenge of the grant process, and **Diane Dixon** and others commented on the issues of using sea level rise as a primary focus in the grant application process.

Staff and the committee discussed four possible ideas in total: planning and design for Big Canyon and sea level rise, Big Canyon stormwater management as a water quality/restoration project, San Diego creek water wheel trash collection, and stormwater management for Newport Harbor. Further discussion took place on the topic of tides and the feasibility of possible solutions. **Mr. Duffield, Mr. Baker** and others commented on trash as a high priority item, and included discussions on trash booms and trash TMDLs. **Diane Dixon** suggested that the next meeting would focus on the topic of trash.

6. Topics for Future Agendas

- (a) Fecal Indicator Bacteria (FIB) Natural Source Exclusion
- (b) Fats, Oils and Grease (FOG) Program
- (c) Bottle Fill Stations
- (d) Rain Barrel Incentives
- (e) Trash and Debris

7. Public Comments On Non-Agenda Items

Judith Marquez commented on the Ocean Friendly Restaurants Program, and asked for a letter of support from the Committee or City Council.

Tom Houston asked about committee rules and regulations in regards to committee member absences; **Diane Dixon** asked **John Kappeler** to research.

Darrel Ferguson noted that there would be another coastal cleanup and barbeque at the Newport Aquatic Center. He also commented on flood rise and if the City has an emergency plan in place. **Mark Vukojevic** stated that there would be a presentation at the next council meeting the City's El Nino preparation efforts.

8. Set Next Meeting Date

The next meeting date was set for Thursday, November 12, 2015 at 3:00 pm in the Newport Coast Conference Room, located at 100 Civic Center Drive, Newport Beach, CA 92660.

9. Adjournment

A motion to adjourn was made. The meeting was adjourned at 5:00 p.m.

Chairwoman / Diane Dixon

Proposition 1 Grant Opportunities

- * What is the distribution of Prop. 1 grants funding?
- * What grants are available in the areas of likely interests?
- * What are the grant eligibility, match, project type requirements ?
- * When is next round of solicitations?



What is the distribution of Prop. 1 grants funding?

Granting Agency	\$Millions	For projects that:
Coastal Conservancy	100	Have multi-benefits for water quality, water supply, and watershed protection and restoration
Other Conservancies	227	Have multi-benefits for water quality, water supply, and watershed protection and restoration (\$30M OPC)
Wildlife Conservation Board	200	result in enhanced stream flows
DWR	100	protect and enhance an urban creek
DWR	25	Enhance urban watersheds and increase regional and local water self-sufficiency
Natural Resources Agency	475	fulfill State's obligations for CVPIA, water settlements, etc.
Department of Fish and Wildlife	285	Provide watershed restoration (including FRGP; prioritizing coastal waters)
Department of Fish and Wildlife	87	water quality, ecosystem restoration, and fish protection facilities that benefit the Delta
State Water Resources Board	200	Multi-benefit Stormwater Management

What grants are currently available?

Water Quality – Multi-Benefit Focus

- * **Ocean Protection Council** (Draft Guidelines 5/15)
 - * Coastal/Ocean WQ, Marine Debris, Climate Change (Resiliency of Natural and Built Infrastructure)
- * **State Water Resources Board** – Stormwater (Draft Guidelines 8/15) – Includes ASBS \$20M Prop 84 Funding
 - * Stormwater and Dry Weather Flow Management
 - * Multi-Benefit – WQ, Water Supply, Habitat & Community
- * **Dept. Water Resource** – Integrated Regional Water Management (Guideline expected 12/15)
 - * Multi-benefit Water Supply and WQ – under IRWMP

What grants are currently available?

Habitat Conservation & Restoration Focus

- * **Coastal Conservancy** (Guidelines Finalized, First Round 9/30, 2nd round 12/31/15, 3rd Round 3/31/16, 4th Round 6/30/15)
 - * Watershed Health and Adaption to Climate Change, Wetland Restoration, Urban River Greenways, Restore Coastal Watersheds, Reduce Pollution
- * **Dept. Fish & Wildlife** - (First Round 9/16/15)
 - * Ecosystem Restoration, Watershed Restoration
- * **Wildlife Conservation Board** – Stream Flow Enhancement (First round 9/30/15)
 - * Restoring functional ecological flows

What grants are currently available?

Water Supply and Conservation Focus

- * State Water Resources - Control Board – Guidelines Released
 - * Water Recycling
- * DWR – Draft Guidelines available
 - * Water Use and Efficiency Grants
- * DWR – Developing Guidelines
 - * Integrated Regional Water Management



What are the grant eligibility, project type and match requirements?

Grant	Eligibility	Project Type	Match	Next Round of Solicitations
Ocean Protection Council	Must meet Criteria – includes Restoration or Water Supply	Planning, Design, Implementation	20% - 2 points 50% -5 points	Late October 2015 – Letter of Intent
State Board - Stormwater	Must have Stormwater Resource Plan	Implementation Planning for SWRP only - currently	50%	Round 1 Spring 2016
DWR - IRWM	Must be part of IRWMP	Guidance to be provided later this year		Later part of 2016

What are the grant eligibility, project type and match requirements?

Grant	Eligibility	Project Type	Match	Next Round of Solicitations
CA Coastal Conservancy	Must meet Program Priorities – Water Sustainability, Urban Greening, Wetland Restoration	Planning, Design, Implementation	25% - 3 points 50% -8 points	2 nd Round Due Dec 31, 2015 3 rd Round Due March 31, 2016
Dept. Fish and Wildlife	Must meet funding priorities – includes Restore Coastal Watersheds	Planning, Design, Implementation	Points given to other funding	Round 2 Fall 2016
Wildlife Conservation Board	stream flow for wildlife corridors and resilience to climate change	Planning, Design, Implementation	Points given to other funding	Second round likely Sept. 2016

Discussion



David Pohl, Ph.D., P.E.
dpohl@esassoc.com

Ideas for Grant Funding

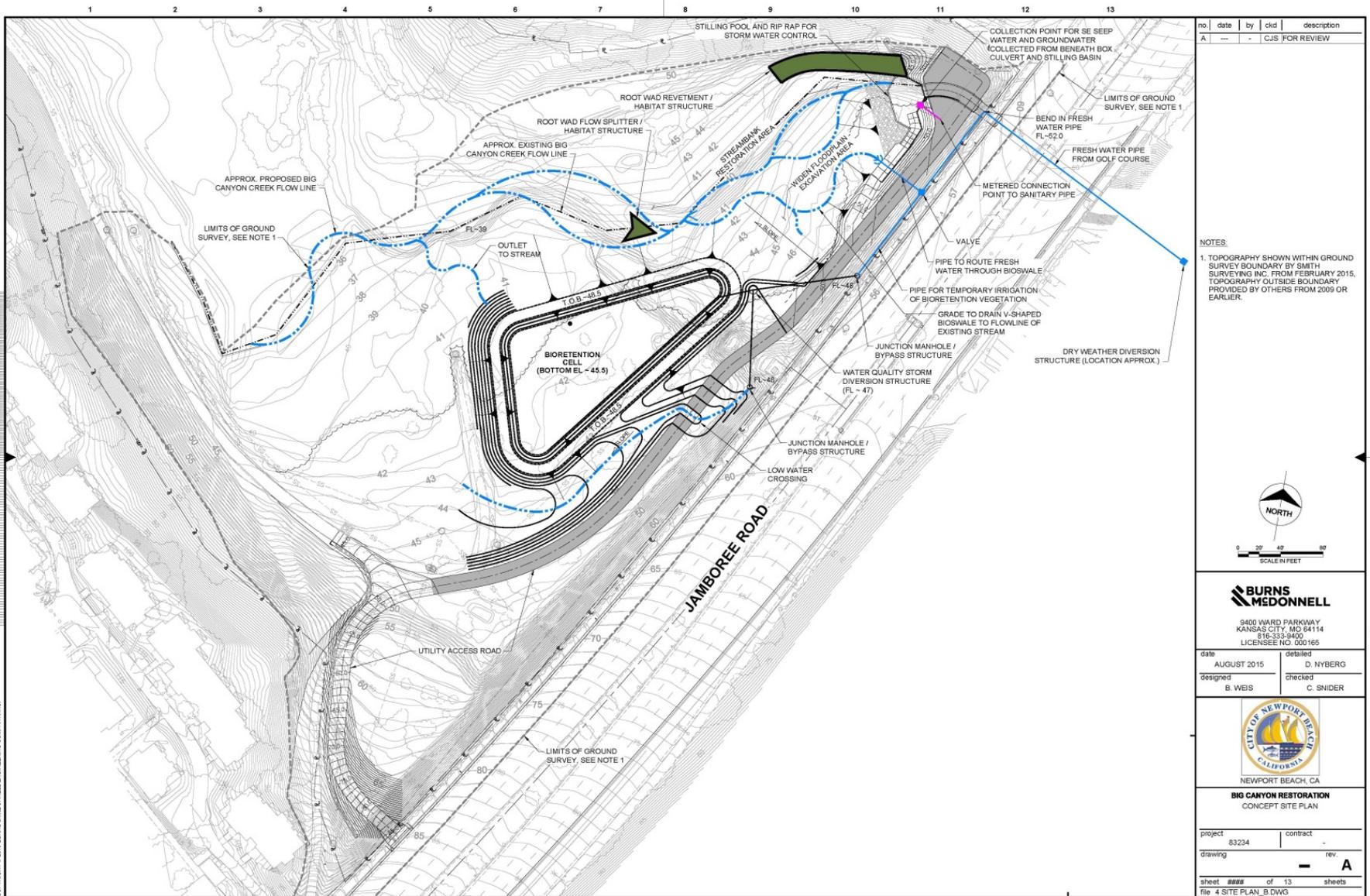


Water Quality/Tidelands Committee

October 6, 2015

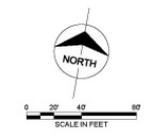


Big Canyon: Constructed Wetland with Double Diversion



no.	date	by	ckd	description
A	-	-	-	CJS FOR REVIEW

NOTES:
 1. TOPOGRAPHY SHOWN WITHIN GROUND SURVEY BOUNDARY BY SMITH SURVEYING INC. FROM FEBRUARY 2015, TOPOGRAPHY OUTSIDE BOUNDARY PROVIDED BY OTHERS FROM 2009 OR EARLIER.



BURNS MEDONNELL
 9400 WARD PARKWAY
 KANSAS CITY, MO 64114
 816-333-8400
 LICENSE NO. 000165

date	AUGUST 2015	detailed	D. NYBERG
designed	B. WEIS	checked	C. SNIDER



NEWPORT BEACH, CA
BIG CANYON RESTORATION
 CONCEPT SITE PLAN

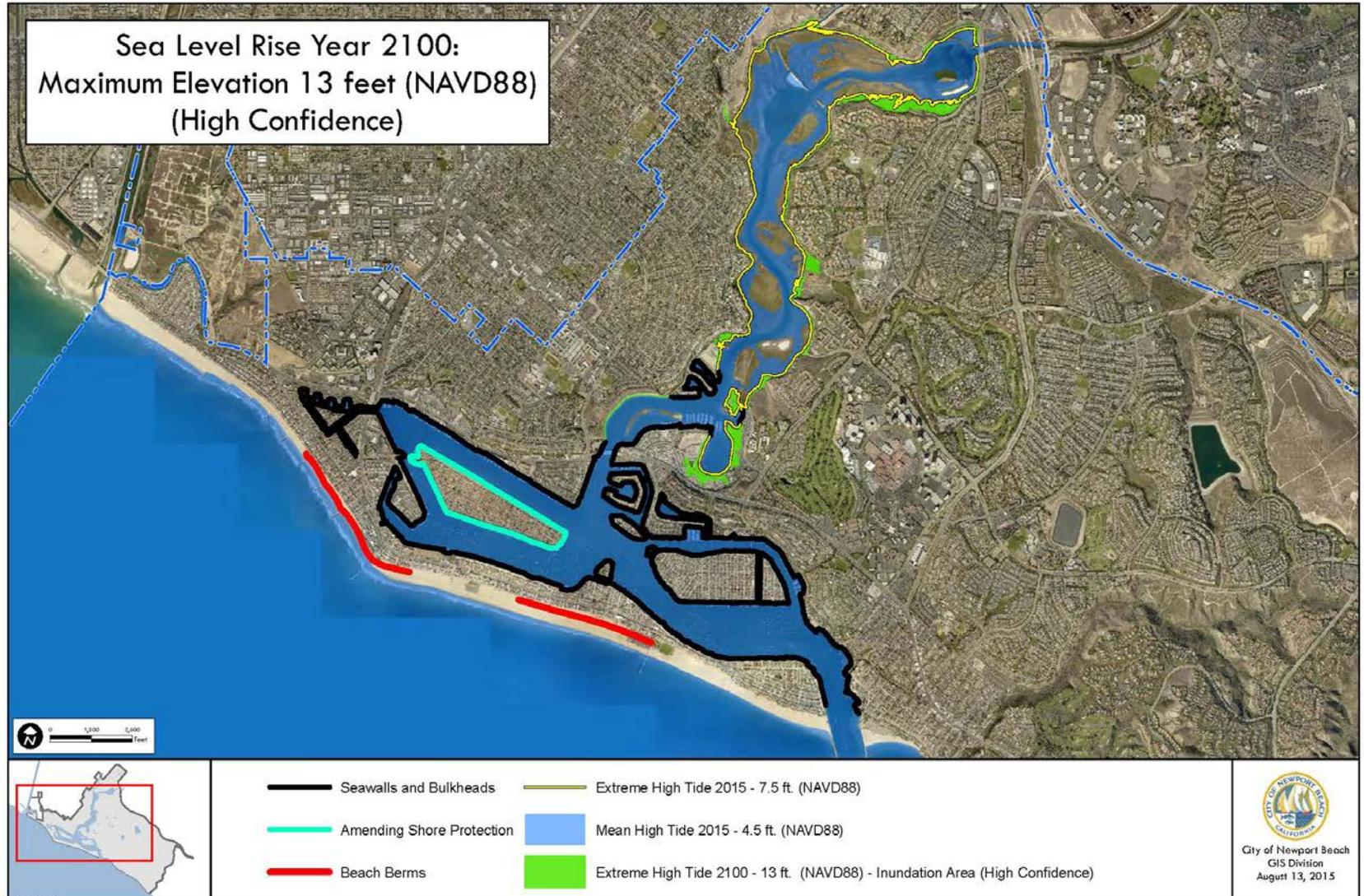
project	83234	contract	-
drawing	-	rev	A
sheet	###	of 13	sheets
file 4 SITE PLAN B.DWG			

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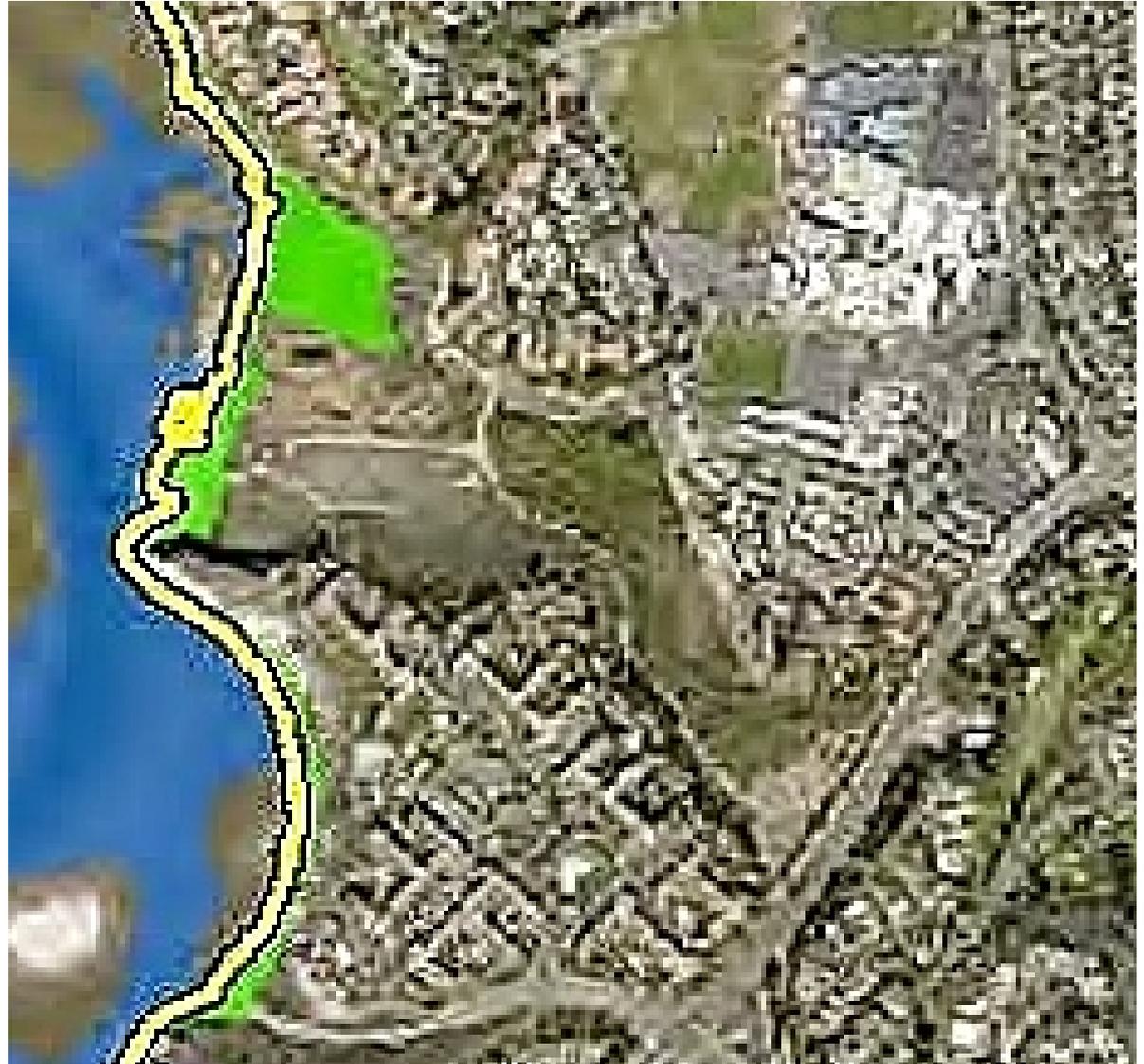


CONCEPT PLAN FOR BIG CANYON NATURE PARK

Sea Level Rise - 2100



Potential Sea-Level Rise into Big Canyon





CONCEPT PLAN FOR BIG CANYON NATURE PARK

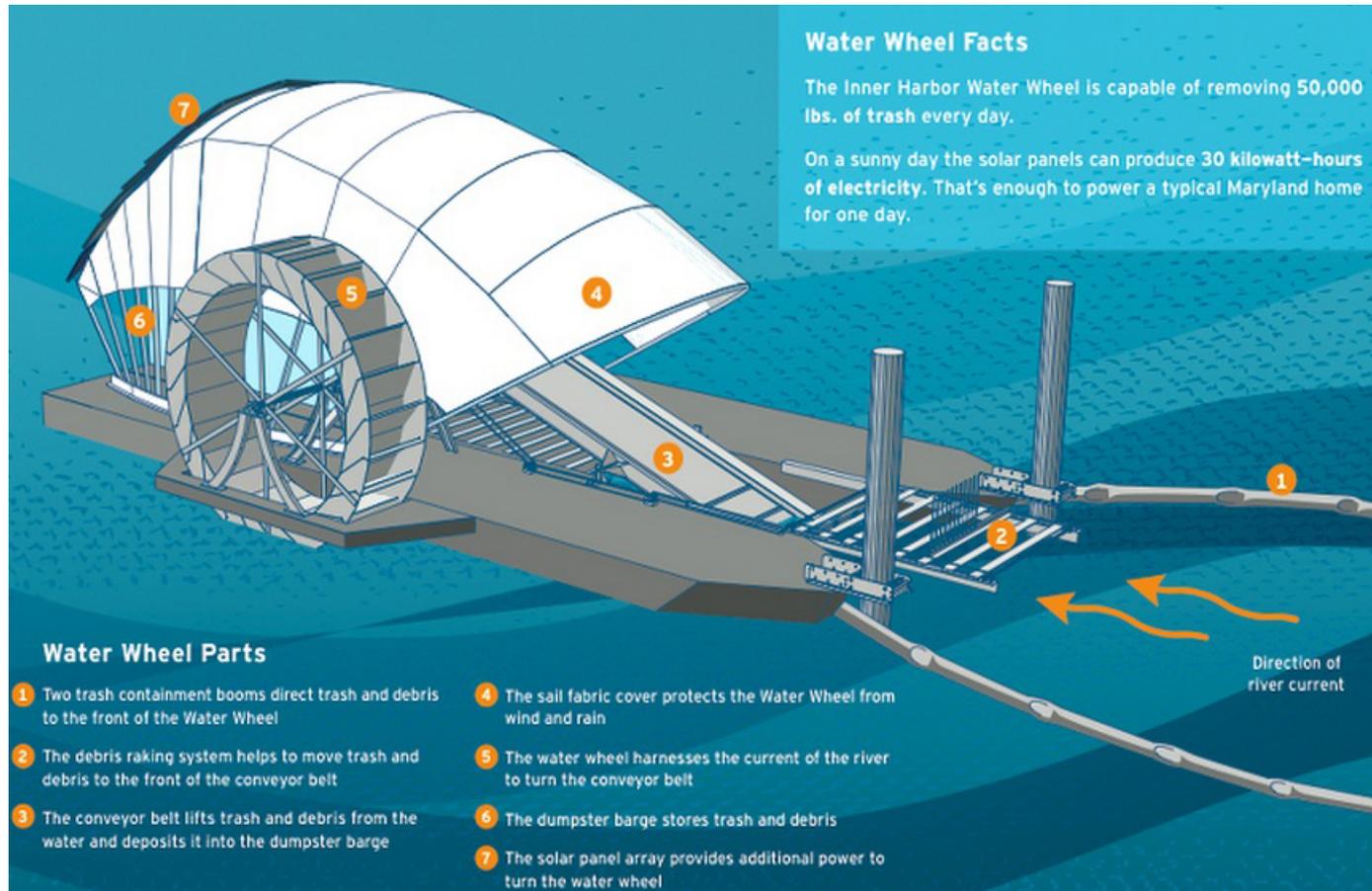
September 2015 Debris



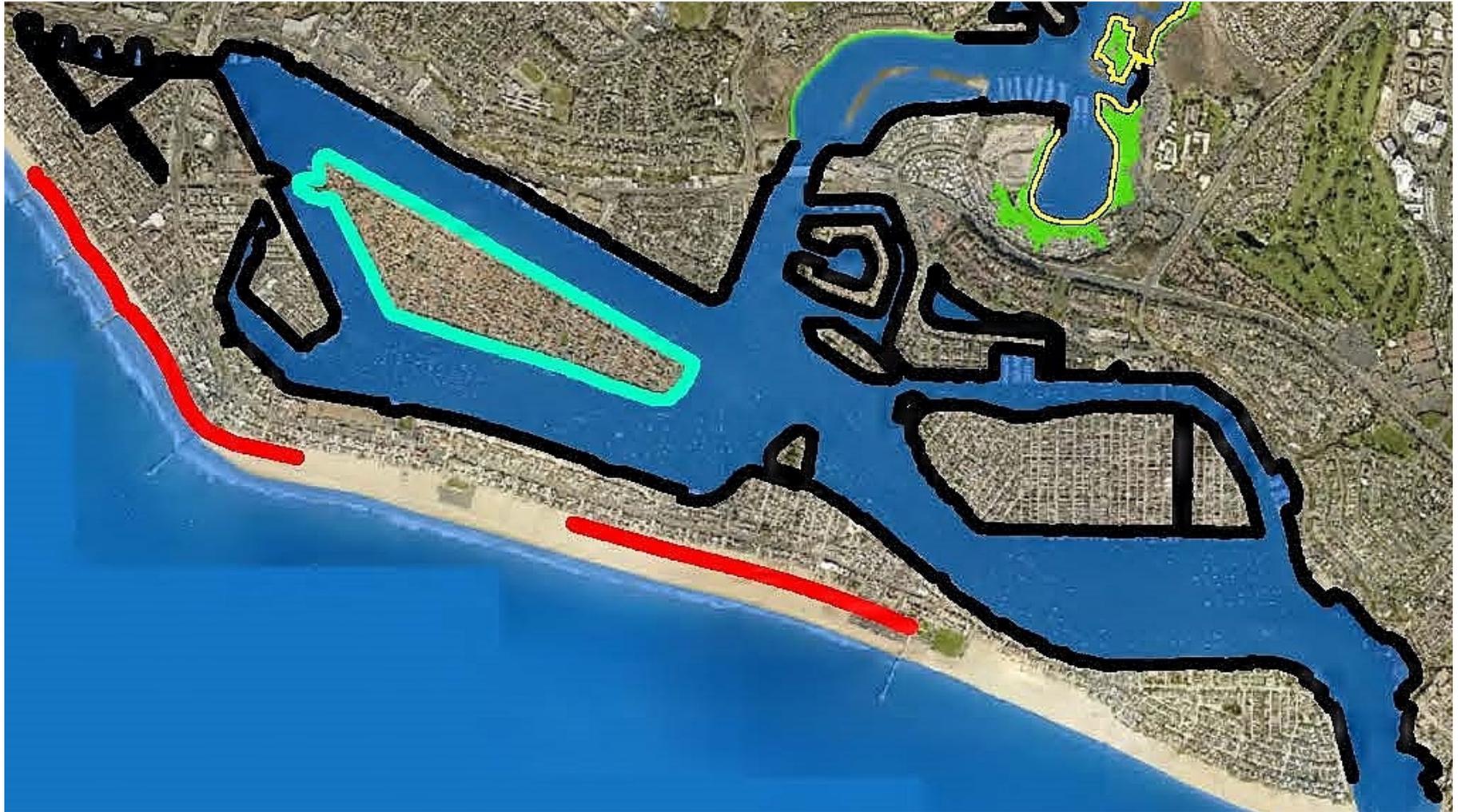
Trash Mixed with Debris



Water Wheel – Trash Collection



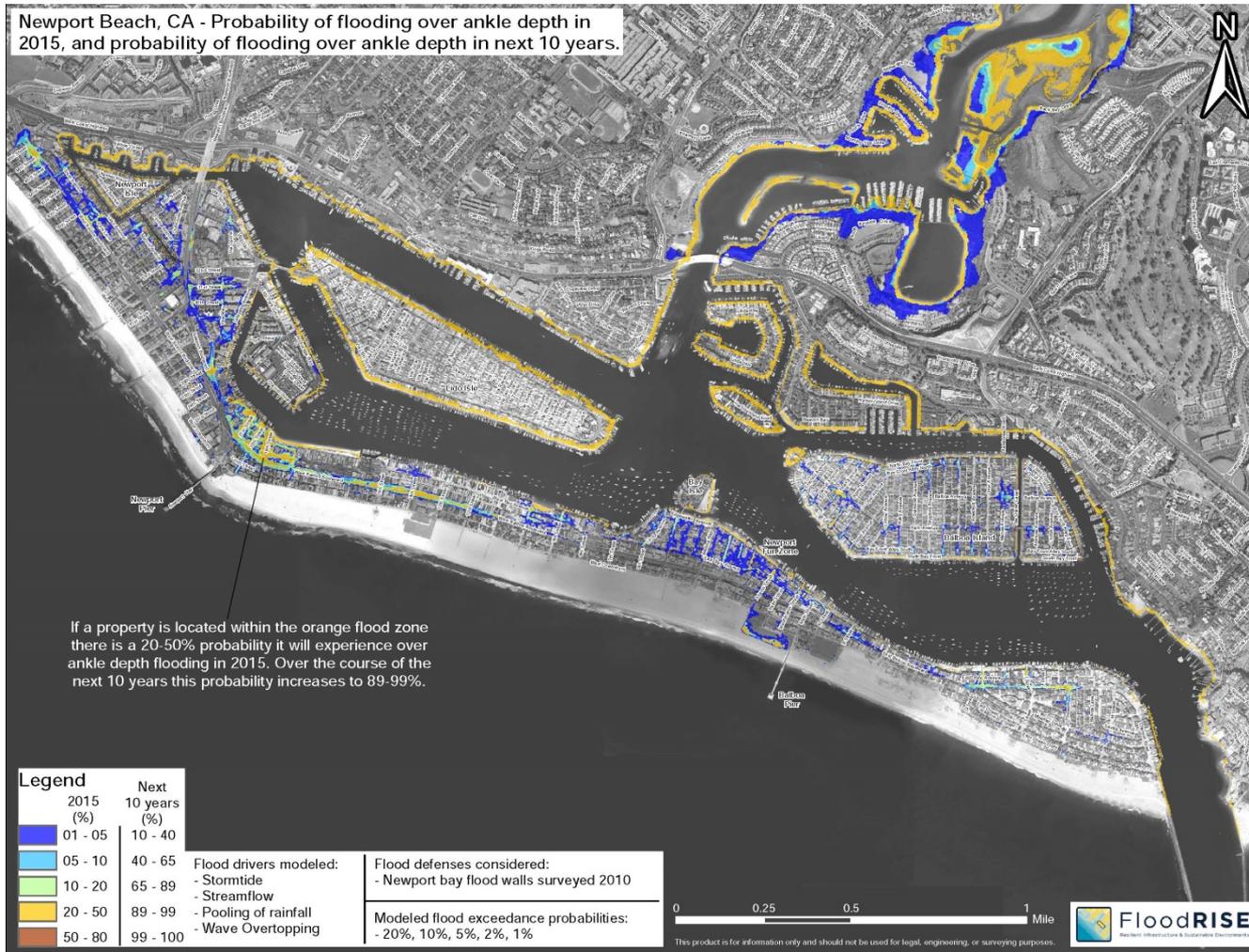
Stormwater Runoff Protection



Tide Gates



Areas prone to flooding by storm runoff when tide gates are closed.



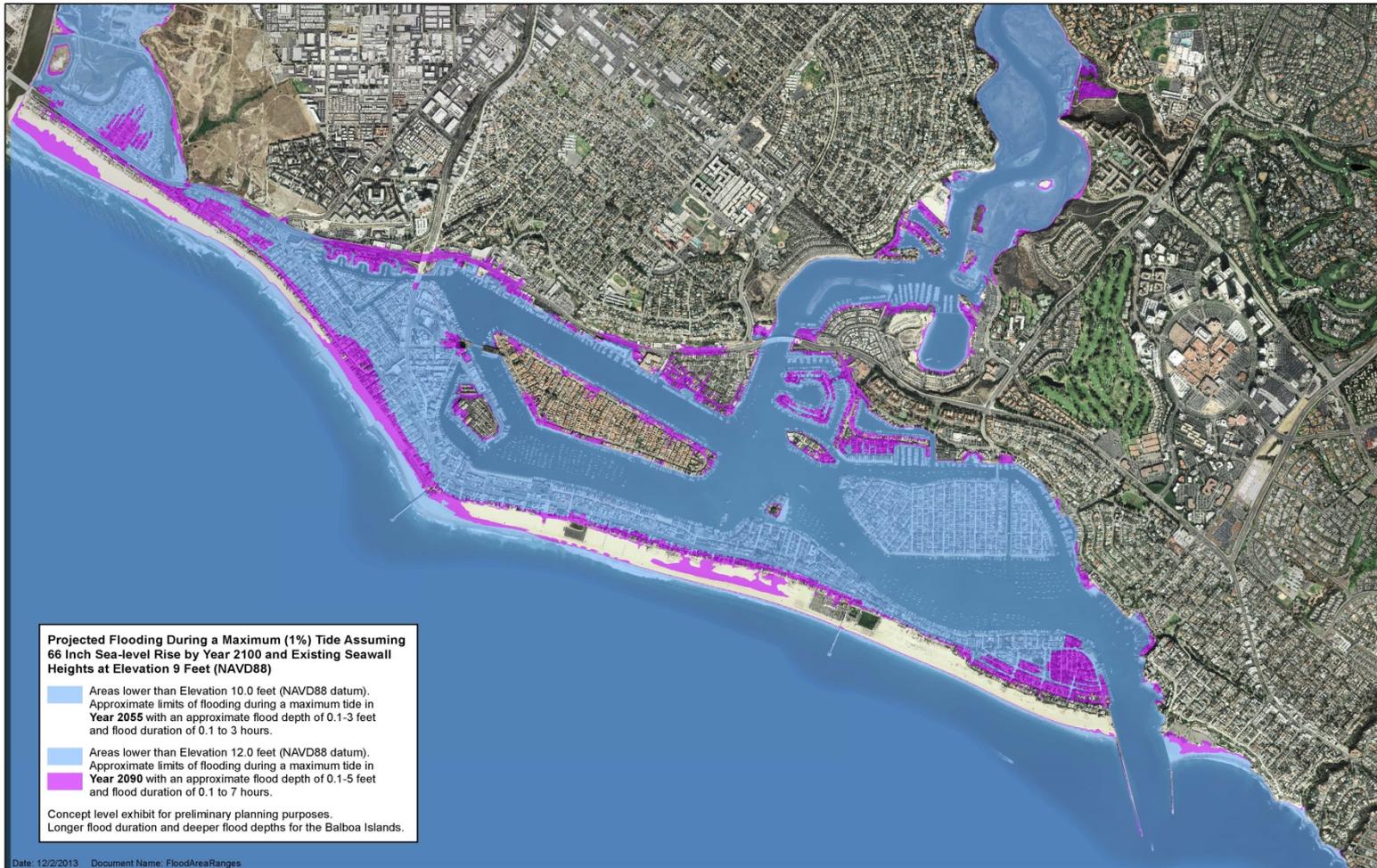
Not in Newport Beach



Island Flooding



Potential Storm Flooding in 2100



Potential Projects Summary

1. Big Canyon Sea Level Rise Planning and Design
2. Big Canyon Stormwater Management, Water Quality and Restoration Project
3. San Diego Creek Water Wheel Trash Collection
4. Newport Harbor Stormwater Management Planning
5. ---
6. ---