



**PLANNING COMMISSION WORK SESSION AGENDA**

**Monday, September 10, 2018 - 6:00 PM**

**City Hall, Conference Room A, 169 SW Coast Hwy, Newport, OR 97365**

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The meeting location is accessible to persons with disabilities. A request for an interpreter for the DEAF AND HARD OF HEARING, or for other accommodations for persons with disabilities, should be made at least 48 hours in advance of the meeting to Peggy Hawker, City Recorder at 541.574.0613.

The agenda may be amended during the meeting to add or delete items, change the order of agenda items, or discuss any other business deemed necessary at the time of the meeting.

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1. CALL TO ORDER
2. UNFINISHED BUSINESS
3. NEW BUSINESS
  - 3.A Review DOGAMI's Tsunami Time and Distance Modeling Results  
[DOGAMI.pdf](#)
  - 3.B Resignation of Karmen Vanderbeck  
[Karmen Vanderbeck.pdf](#)
  - 3.C Updated Tentative Planning Commission Work Program  
[PC Work Program\\_9-07-18.pdf](#)
4. ADJOURNMENT

Oregon Department of Geology presents

# Tsunami Evacuation Modeling

Exploring evacuation difficulty and mitigation options

Laura Gabel, Jonathan Allan, Fletcher O'Brien

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(541) 574-1004



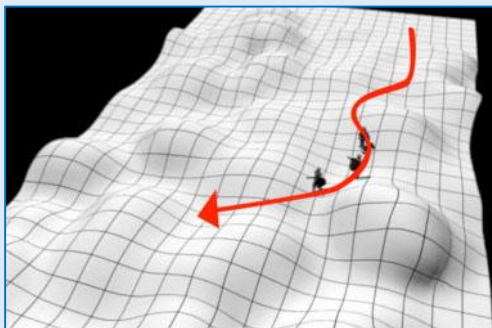
March 11, 2011 Japan tsunami, seen crashing into homes in Natori, Miyagi prefecture. AP



Seaside, OR during their annual beach volleyball tournament which attracts more than 20,000 people!

## Beat The Wave investigates:

1. Ideal evacuation routes
2. Minimum walking speeds
3. Vulnerabilities and mitigation options (primarily infrastructure)
4. Socioeconomic analysis (where are the vulnerable populations?)

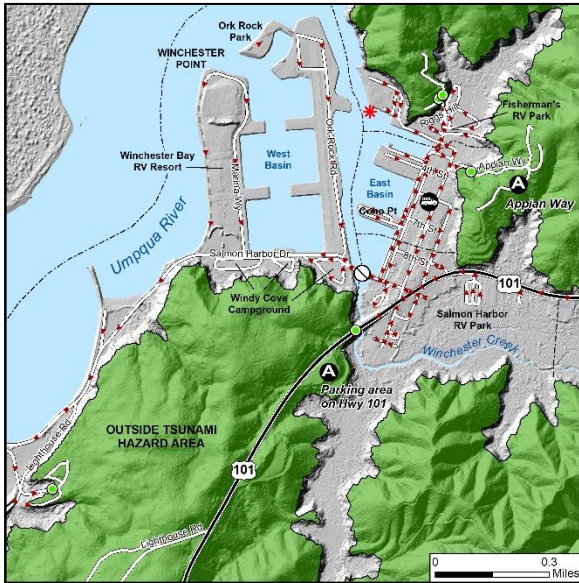


...using **least cost path** modeling

GIS is used to model the most efficient path to safety for every point on the map. Safety is high ground, not necessarily an assembly area.

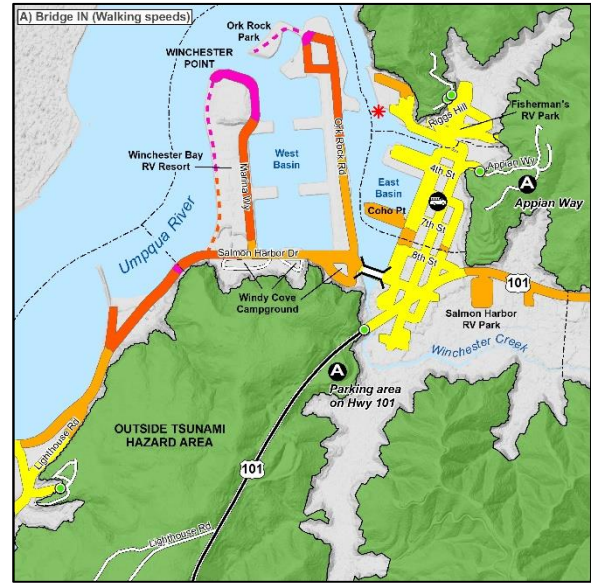


# Beat The Wave Products



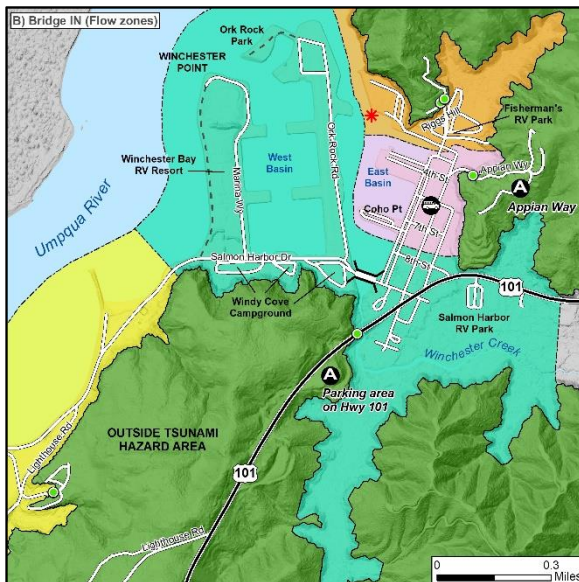
## 1. Evacuation routes

- Detailed information on the most efficient routes to safety (arrows)



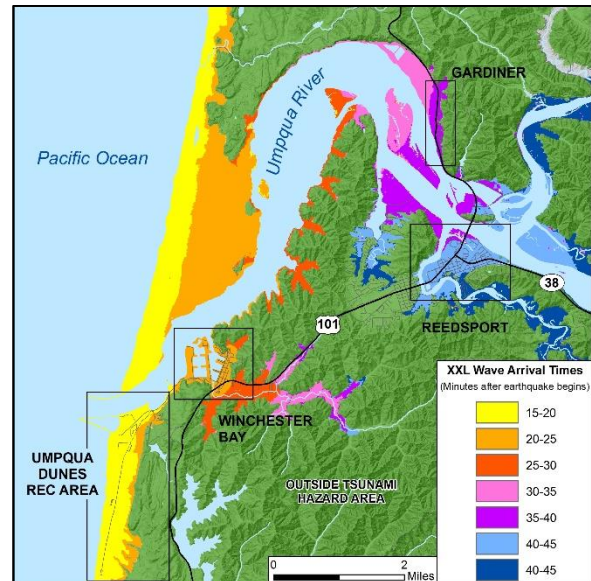
## 2. Pedestrian walking speeds

- The MINIMUM walking speed someone must travel in order to reach safety ahead of the first tsunami arrival at the start of their route
- These speeds will change depending on the scenario (i.e. bridges in versus out or adding a hypothetical vertical evacuation structure)



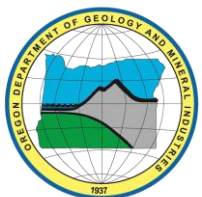
## 3. Evacuation "communities" (also referred to as "flow zones" or "watersheds")

- Zones delineating which safety destination is best for entire town
- These community boundaries will change depending on the scenario (i.e. bridges in versus out or adding a hypothetical vertical evacuation structure)



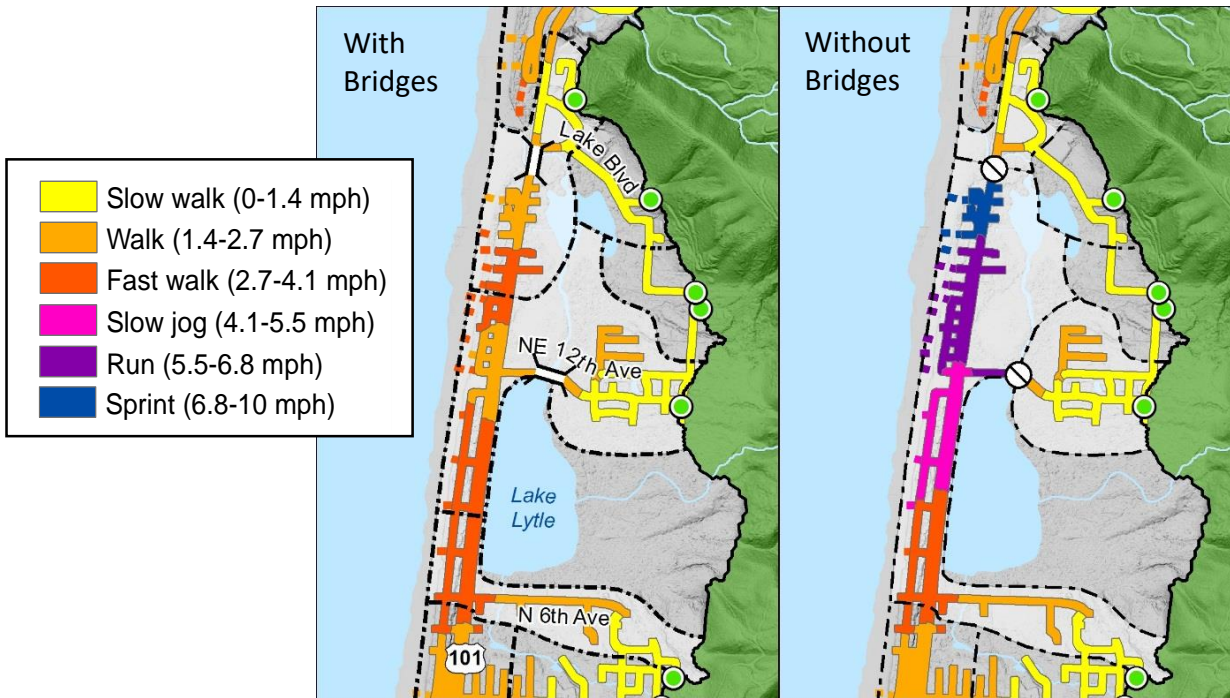
## 4. Tsunami wave arrival time map

- Detailed map of the first tsunami wave arrival for the entire region



# Investigate Vulnerabilities

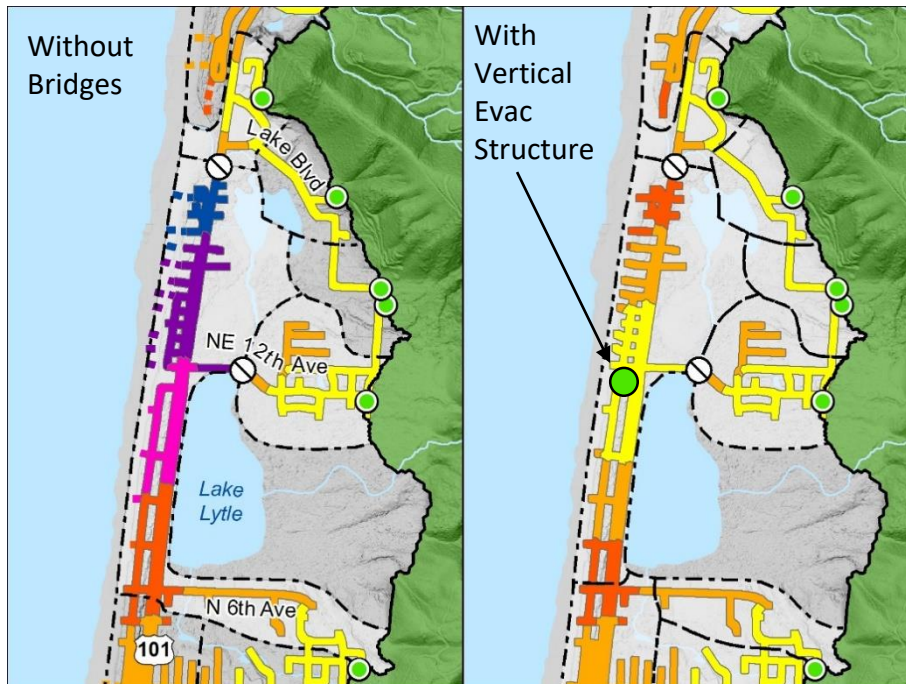
Example: How does the failure of bridges affect evacuation?



Minimum walking speeds necessary for survival **increase** significantly if bridges are not available for evacuation

# Investigate Mitigation Options

Example: How helpful would a vertical evacuation structure be when facing the possibility of bridge failures?

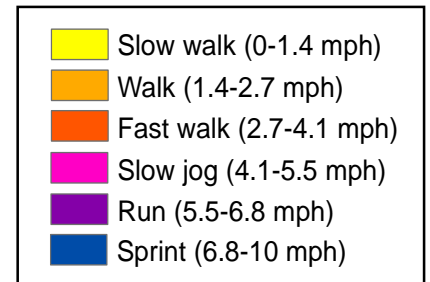
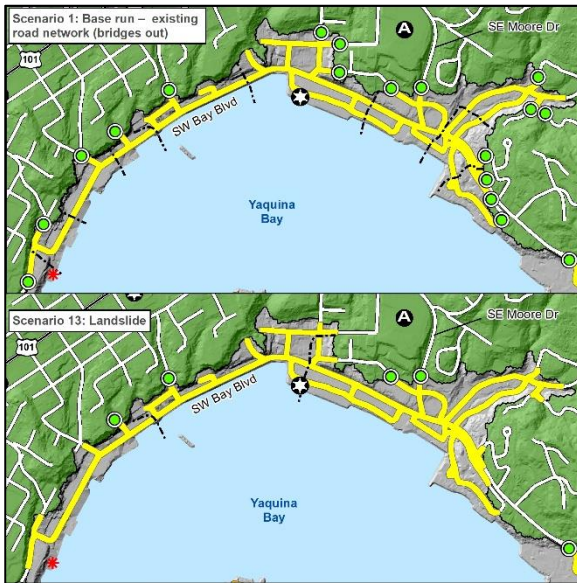


Minimum walking speeds necessary for survival **decrease** significantly if a vertical evacuation structure is present

# Newport Scenarios (DRAFT RESULTS)

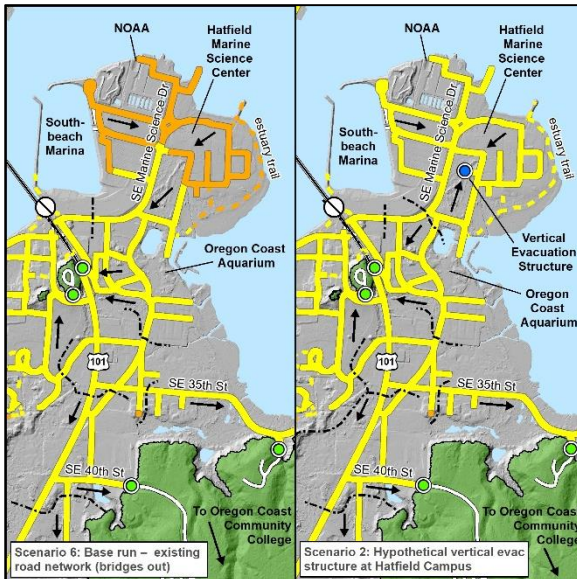
## Bayfront

1. Existing road network
2. Landslides
3. Liquefaction



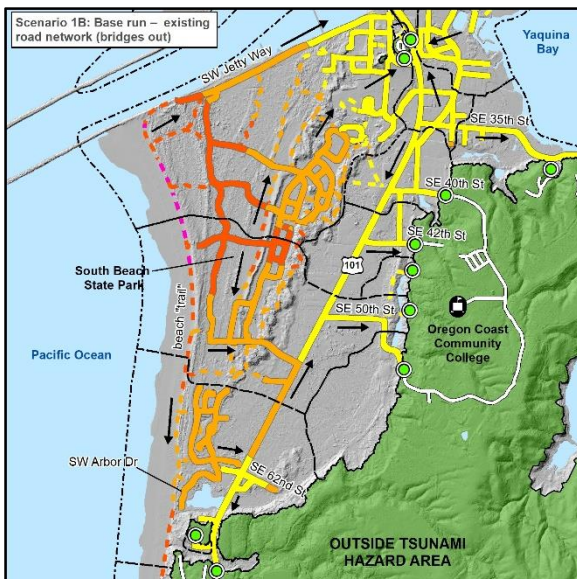
## HMSC

1. Existing road network
2. Vertical evac (MSI Bldg)
3. Alternate high ground at OCCC
4. Liquefaction



## South Beach State Park

1. Existing road network
2. Additional trails
3. Vertical evacuation
4. Liquefaction
5. Reduction in 10-minute evacuation delay (5 minutes)



## **Sherri Marineau**

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**From:** John Vanderbeck <jkbeck@charter.net>  
**Sent:** Friday, August 31, 2018 1:37 PM  
**To:** Derrick Tokos  
**Cc:** Sherri Marineau  
**Subject:** Advisory Committee

Greetings Derek – hope you are off to enjoy a wonderful weekend!

I know I asked, at the beginning of this year, about the length of service on the Advisory Committee. At this time, I would like to relinquish my participation in that role. I am going to choose another service to our community, at this time. I also believe that the Ad Hoc committees formed for various topics seem to be a great way to communicate and offer opinions to the Planning Commission – and perhaps, the 60+ Advisory Committee is no longer needed.

I do appreciate the chance to see the many issues our community faces; as well as the many decisions needed to be made to continuing growing. I have thoroughly enjoyed this opportunity!

Thank you,  
Karmen Vanderbeck

# Tentative Planning Commission Work Program

*(Scheduling and timing of agenda items is subject to change)*



July 23, 2018

Work Session

- Review Draft Transportation System Plan Scope of Work
- Review VRD Open House Materials and Coordinate Attendance

August 13, 2018

Work Session

- Conflict of Interest Training (City Attorney)
- Review Draft Zoning Text Amendment from Pacific Seafood related to Extended Stay Hotel/Motel uses

August 13, 2018

Regular Session

- Substantial Amendment No. 13 to South Beach Urban Renewal Plan
- Resolution No. 3815 Renaming the Black Box Theatre at the PAC to the David Ogden Stiers Theatre
- Resolution No. 3816 Renaming the Piano Rehearsal Room at the PAC to the Ramona Martin Piano Rehearsal Room

August 30, 2018

Special Joint Council/Commission Meeting

- Park System Master Plan Opportunities and Constraints Workshop

September 10, 2018

Work Session

- Review DOGAMI's tsunami time and distance modeling results

September 10, 2018

Regular Session

- File 1-SUB-18/2-VAR-18/3-GP-18 Fisherman's Warf Estates 11 Lot Subdivision (1005 SE Bay Blvd)
- File 3-Z-18 Zoning Text Amendment from Pacific Seafood Group related to Extended Stay Hotel/Motel uses (to be continued to 9/24/18)
- File 3-VAR-18 Height Variance for Samaritan Pacific Communities Hospital

September 24, 2018

Work Session

- Review Time and Distance Overlay Zone Provisions
- Placeholder for discussing process for proceeding with VRD Code Amendment Hearings

September 24, 2018

Regular Session

- Continued hearing on File 3-Z-18 Zoning Text Amendment from Pacific Seafood Group related to Extended Stay Hotel/Motel uses (to be continued to 9/24/18)
- Appeal of Geologic Permit 1-GP-18 (NW Spring Street)

# Tentative Planning Commission Work Program

*(Scheduling and timing of agenda items is subject to change)*



## October 8, 2018 Work Session

- Review Draft VRD Code Amendments
- Review Draft FIRM Map Amendments (Including Resolved Southshore Appeal)

## October 8, 2018 Regular Session

- Placeholder for File 2-SUB-18 for 5-lot Townhouse Subdivision (847 SE 5th St)
- Appeal of Shoreland Review Permit 1-SIR-18 (NW Spring Street)

## October 22, 2018 Work Session

- Placeholder Parking Study Advisory Committee Recommendations
- Scope of Work for SB US 101 Commercial Corridor Study

## October 22, 2018 Regular Session

- Placeholder for Public Hearing on VRD Code Amendments
- Placeholder for Annexation and Zone Change (4263 S Coast Hwy)

## November 12, 2018 Joint Planning Commission/Council Meeting

- Review and Provide Feedback on Park System Master Plan Preferred Alternatives

## November 12, 2018 Regular Session

- Reserve for Public Hearing No. 2 VRD Code Amendments
- Placeholder for Public Hearing on FEMA FIRM Map Amendments

## November 26, 2018 Work Session

- Revisit Amendments to Public Facilities Element of Comp Plan (wastewater/stormwater)
- Review Draft Amendments to Implement Parking Study Recommendations

## November 26, 2018 Regular Session

- Placeholder for Public Hearing on Parking Study Zoning Ordinance Amendments

## December 10, 2018 Work Session

- Placeholder for Review of TSP Travel Demand Forecast Results
- Placeholder for Review of Regional Urban Service Area Agreement and Housing Strategy Updates (DLCD Grant has been approved)

## December 10, 2018 Regular Session

- Public Hearing on DOGAMI Time and Distance Modeling Overlay Zone Provisions
- Placeholder to Discuss Further Amendments to the Nye Beach Design Review Overlay

## December 24, 2018 No Meeting