

City of Cannon Beach



Emergency Preparedness Committee

Working to make our community
better prepared

Credits

Project Leaders

- Les Wierson
- Rainmar Bartl

City of Cannon Beach Staff

- Rich Mays
- Mark See
- Alisha Smith
- Mark Scott (Consultant)

Evacuation Route Map Reviewers

- E-Prep Committee
- Mayor & City Council
- Others

State of Oregon

- DOGAMI - Dr. George Priest
- Oregon Emergency Management - Dr. Althea Rizzo

News Media

- Cannon Beach Gazette
- Daily Astorian
- Oregonian

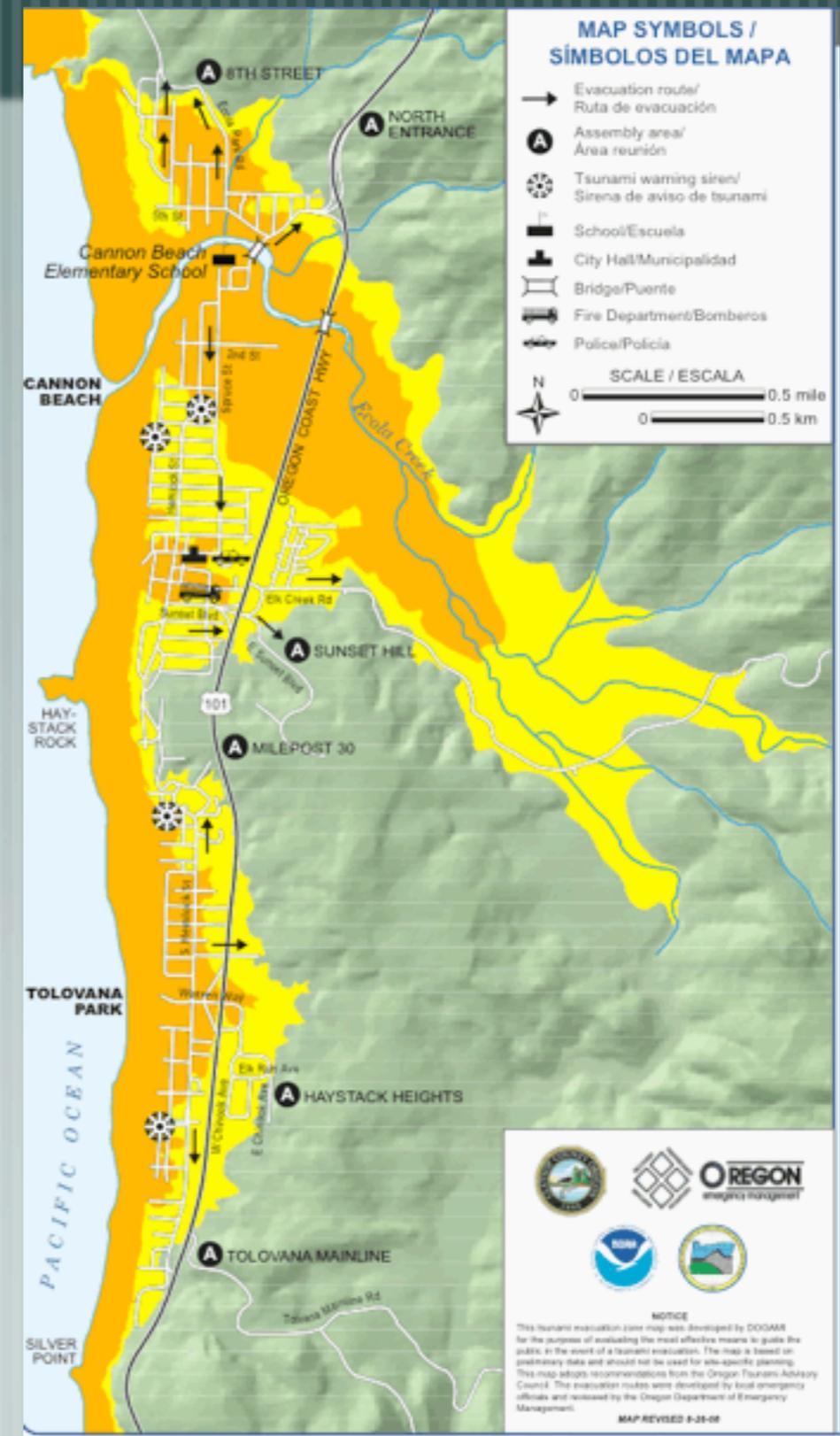
How to Survive a Tsunami

- **Become Better Informed**
- **Think Ahead and PREPARE**
- **Practice**
- **Ever Vigilant/Prepared**

What is a Tsunami?

A tsunami is a series of waves caused by an earthquake beneath the sea floor. As a tsunami enters shallow water near land, it's height increases. A tsunami can cause great loss of life and property damage as it inundates upland areas adjacent to the shoreline.

The Oregon coast is subject to tsunamis. The Oregon Department of Geology and Mineral Industries (DOGAMI) has prepared maps that indicate which areas of Cannon Beach could be inundated from both a **local tsunami** and a **distant tsunami**.



What is the Difference Between a Local Tsunami and a Distant Tsunami?

A local tsunami is generated by a strong earthquake located off the coast of Oregon. A local tsunami can come ashore within 15 to 20 minutes after the earthquake. Your only warning may be feeling the ground shake or move. Evacuate as quickly as possible on foot after the ground shaking stops.

A distant tsunami is generated by an earthquake far from Oregon, such as in Alaska or Japan. It will not reach the Oregon coast for several hours. There is time for the City to issue an evacuation warning. Evacuate in a timely manner after the warning is issued.

What Can We Do to Protect Ourselves From a Tsunami?

- Develop a household evacuation plan. Everyone in your household needs to know what to do on their own to protect themselves in case of a tsunami. Decide when and where you will meet if you are separated from your family.
- Create an emergency supply kit (Go Bag) that can easily be taken with you at a moment's notice. The kit should contain such items as food, water, medical supplies, toiletries, and flash light.

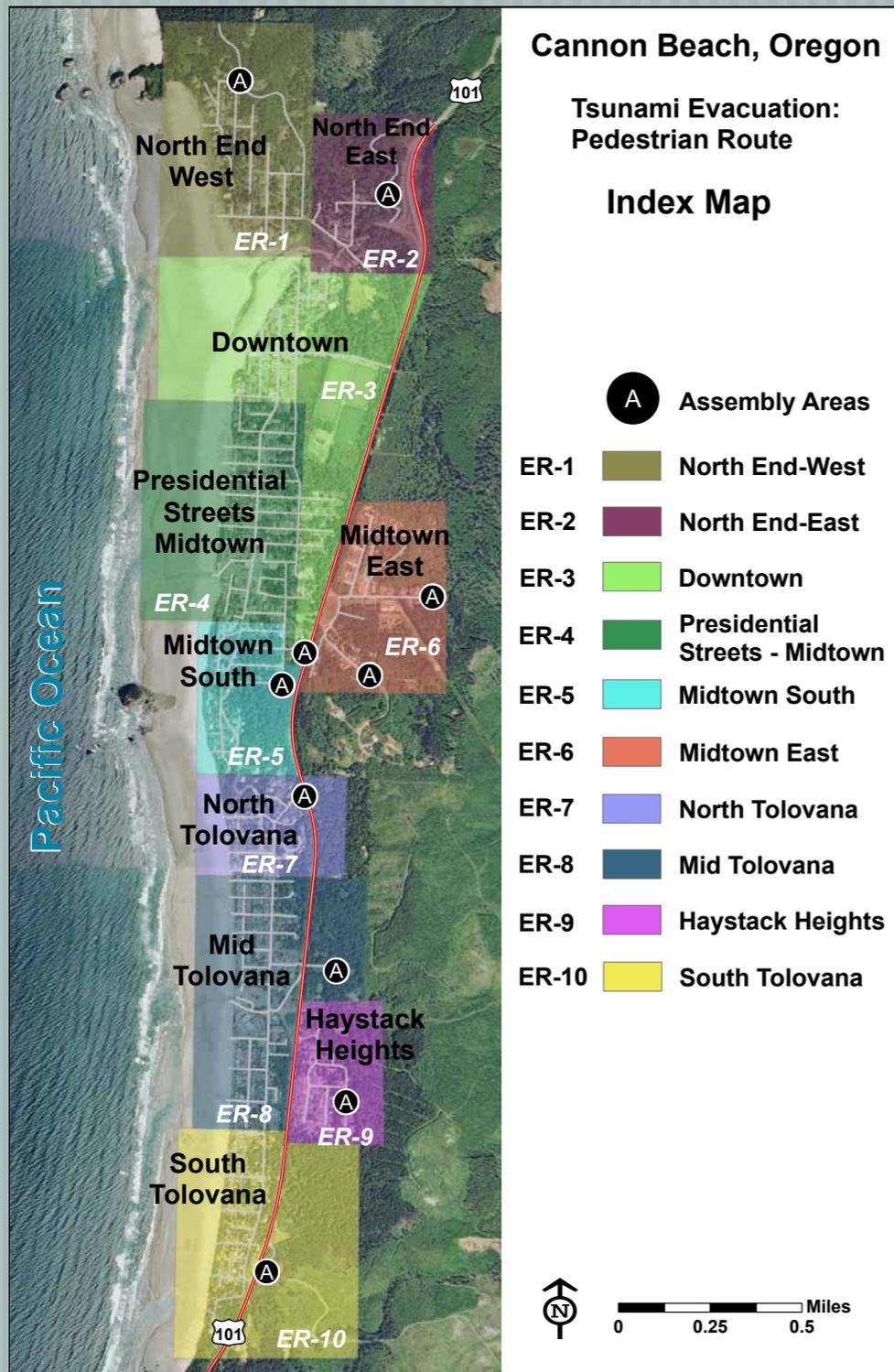
How do We Know When to Evacuate?

- If you feel the ground shake, evacuate inland to high ground immediately after the earthquake has stopped.
- In the event of a distant tsunami, you will receive an evacuation warning from the City.

Where do We Evacuate To?

- Use the Tsunami Evacuation Pedestrian Route map to develop your route. Plan a route that takes you to the closest Assembly Area, or to an area inland of the **orange line on the map**. Plan on taking no more than 15 to 20 minutes to reach your target destination. For a distant tsunami you need to evacuate to an area inland of the **yellow line on the map**.
- Practice your route on foot. Take your emergency supply kit with you.
- If you are unable to reach a safe area, go inland to an area that is as high as possible. Not all tsunamis will inundate areas as far inland as those shown on the maps.

If the Ground Shakes... Run for High Ground!

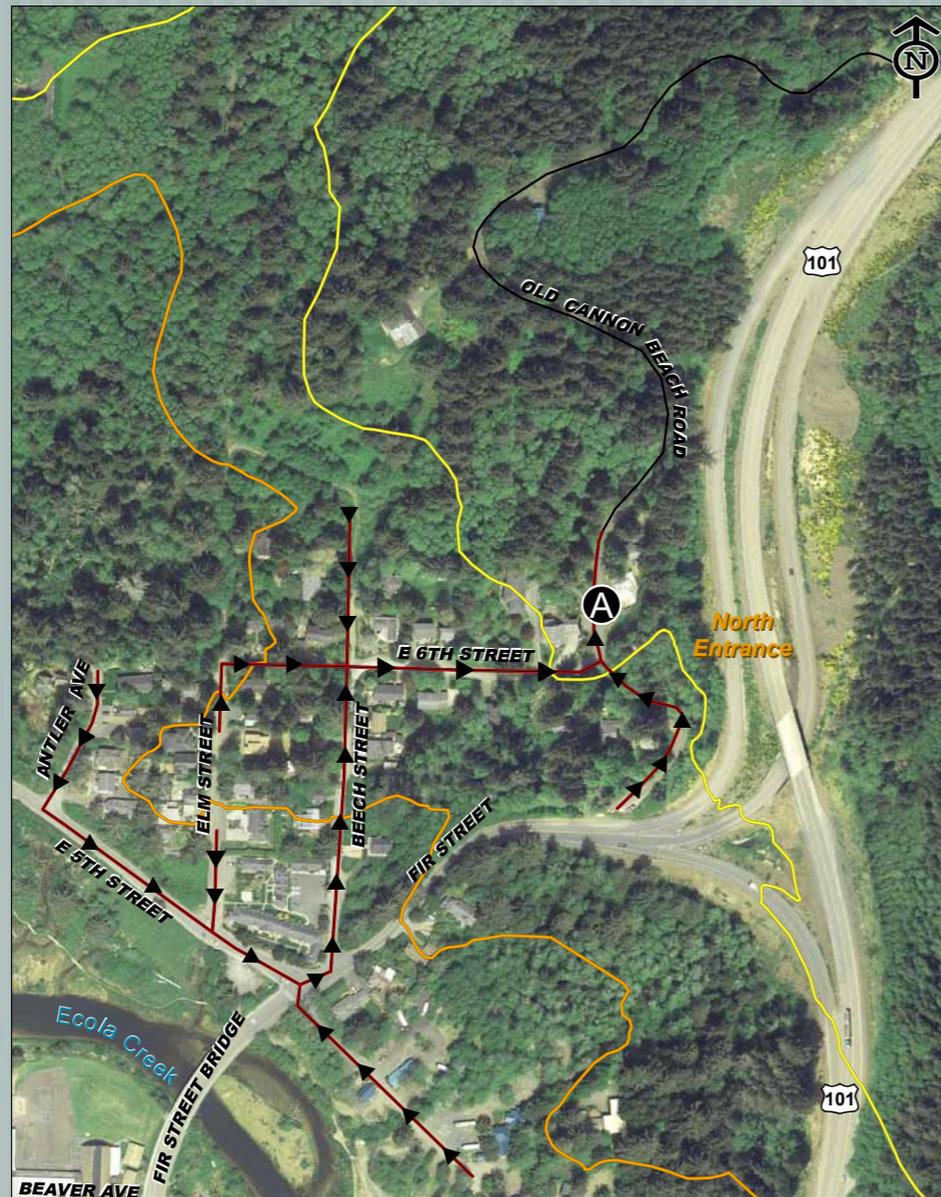


- Where? Not Everyone Knows
- Visit www.ci.cannon-beach.or.us for Evacuation Route Maps
- In the near future, individual copies of local Route Maps and the Index page will be available in hard copy
- Posted Street signs in key-areas
- Posters and copies in motels, restaurants, etc.

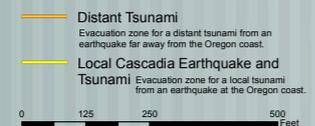
Example of Individual Route Map

Tsunami Evacuation: Pedestrian Route North End-East

ER-2
Final Draft



Tsunami Evacuation Map Legend



Pedestrian Features



City of Cannon Beach, Oregon

163 E. Gower Ave
Cannon Beach, OR
97110
General Information Call: 503-436-1581
Office Hours 8 - 5 Monday - Friday

This map was made on December 21, 2011

Front

HOW TO SURVIVE A TSUNAMI

WHAT IS A TSUNAMI?

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HOW DO I KNOW WHEN TO EVACUATE?

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- In the event of a distant tsunami, you will receive an evacuation warning from the City.

DO NOT LEAVE YOUR ASSEMBLY AREA UNTIL THERE HAS BEEN AN ANNOUNCEMENT THAT THE EMERGENCY IS OVER

- Tsunami waves may be spaced many hours apart and continue to arrive for many hours. The first tsunami wave is often not the largest.
- Emergency personnel will announce the all clear when it is safe to leave the assembly area.

**Protect Yourself During the Earthquake
Move to High Ground as Soon as Possible
Stay There**

Back

Special Features to Note

- **Downtown - Alternate Route & No Bridge Escape**
- **Coolidge Street Hazard & Van Buren Cut Over**
- **Cannon Beach Bible Church**
- **Yukon Street**
- **Surfcrest Assembly Site**

Downtown

Tsunami Evacuation: Pedestrian Route Downtown

ER-3

- Alternate Routes
- No Fir Street Bridge



Tsunami Evacuation Map Legend

- Distant Tsunami
Evacuation zone for a distant tsunami from an earthquake far away from the Oregon coast.
- Local Cascadia Earthquake and Tsunami
Evacuation zone for a local tsunami from an earthquake at the Oregon coast.

Pedestrian Features

- Pedestrian Evacuation Route
- Assembly Area

0 125 250 500 Feet

This map was made on April 3, 2012

City of Cannon Beach, Oregon

163 E. Gower Ave
Cannon Beach, OR
97110

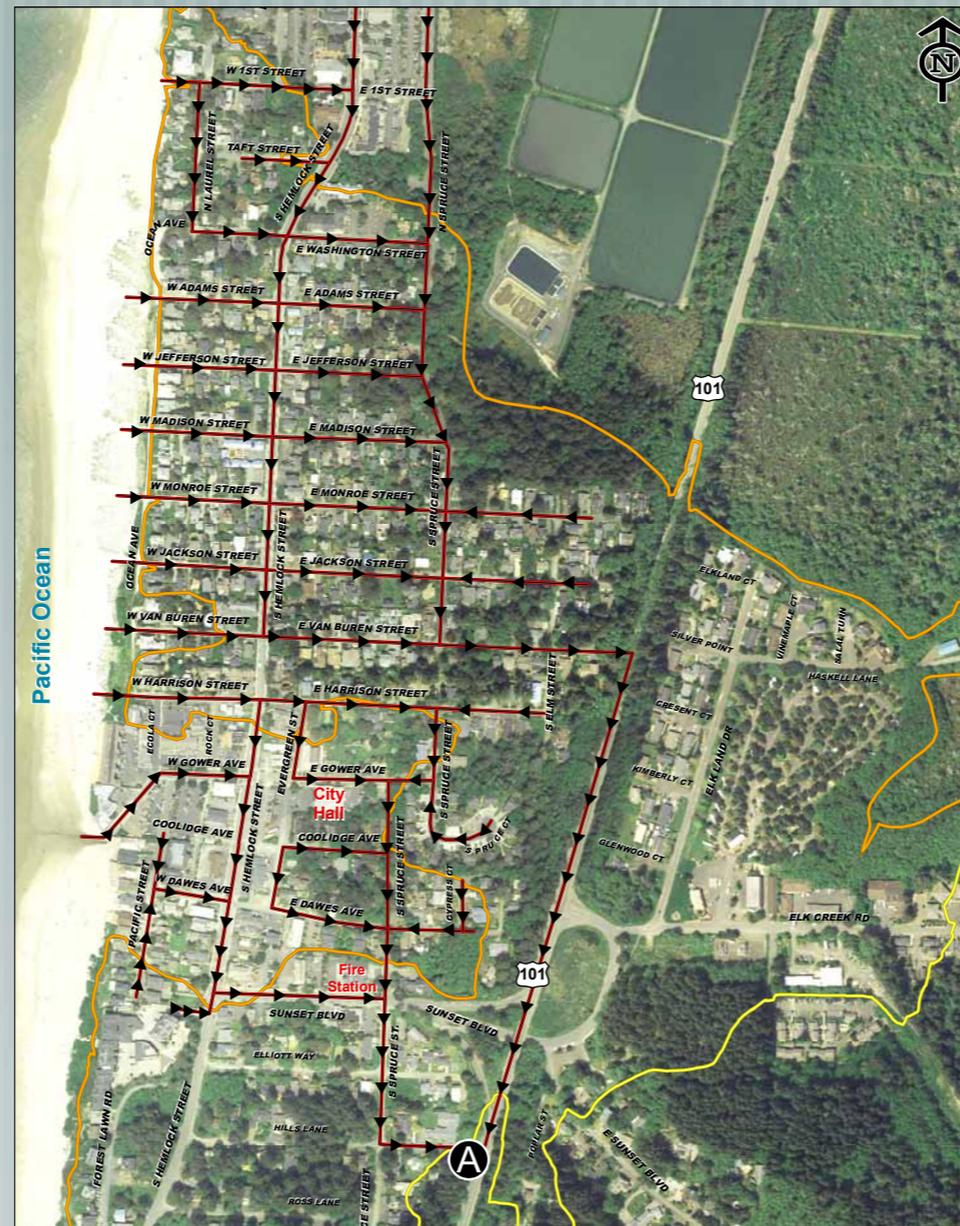
General Information Call: 503-436-1581
Office Hours 8 - 5 Monday - Friday



Cannon Beach Bible Church Assembly Area

Tsunami Evacuation: Pedestrian Route Presidential Streets-Midtown

ER-4



This map was made on March 28, 2012

Tsunami Evacuation Map Legend

- Distant Tsunami
Evacuation zone for a distant tsunami from an earthquake far away from the Oregon coast.
- Local Cascadia Earthquake and Tsunami
Evacuation zone for a local tsunami from an earthquake at the Oregon coast.

Pedestrian Features

- Pedestrian Evacuation Route
- Assembly Area

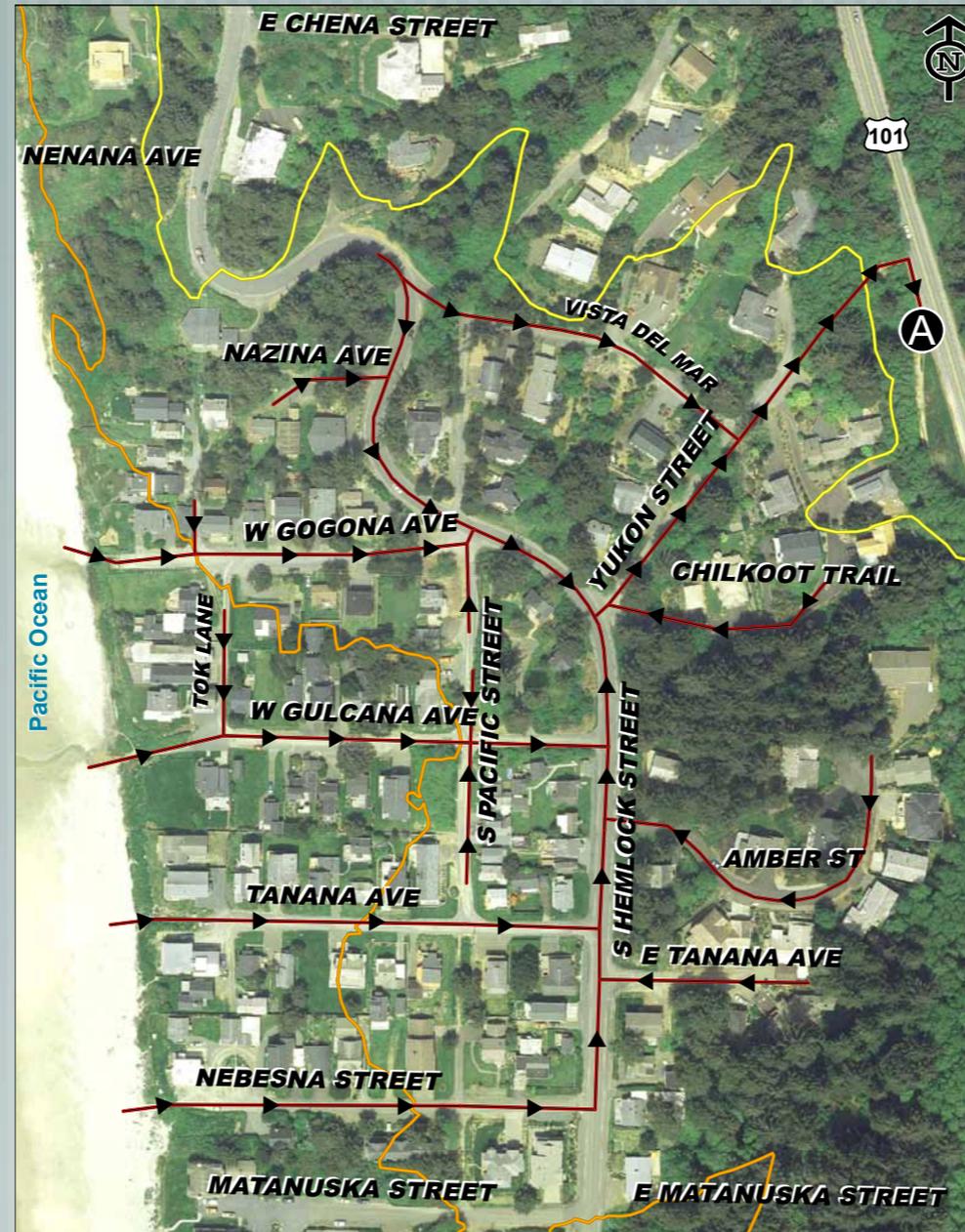
City of Cannon Beach, Oregon

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97110
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Yukon Street / HWY 101 Assembly Site

Tsunami Evacuation: Pedestrian Route
North Tolovana ER-7



Tsunami Evacuation Map Legend

- Distant Tsunami
Evacuation zone for a distant tsunami from an earthquake far away from the Oregon coast.
- Local Cascadia Earthquake and Tsunami
Evacuation zone for a local tsunami from an earthquake at the Oregon coast.

- Pedestrian Features**
- Pedestrian Evacuation Route
 - A** Assembly Area

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This map was made on March 28, 2012



New Surfcrest Assembly Site

Tsunami Evacuation: Pedestrian Route Mid Tolovana

ER-8
Final Draft



Tsunami Evacuation Map Legend

- Distant Tsunami
Evacuation zone for a distant tsunami from an earthquake far away from the Oregon coast.
- Local Cascadia Earthquake and Tsunami
Evacuation zone for a local tsunami from an earthquake at the Oregon coast.

Pedestrian Features

- Pedestrian Evacuation Route
- Assembly Area

City of Cannon Beach, Oregon

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0 125 250 500
Feet

This map was made on December 21, 2011

Do Not Leave Your Assembly Area Until There Has Been an Announcement that the Emergency is Over.

- **Tsunami waves may be spaced many hours apart and continue to arrive for many hours. The first tsunami wave is often not the largest.**
- **Emergency personnel will announce the all clear when it is safe to leave the assembly area.**

Remember to...

- Save Yourself
- Your Family
- Your Neighbors

You Need to...

- Be Informed
- Plan Ahead
- Practice

Thank You.