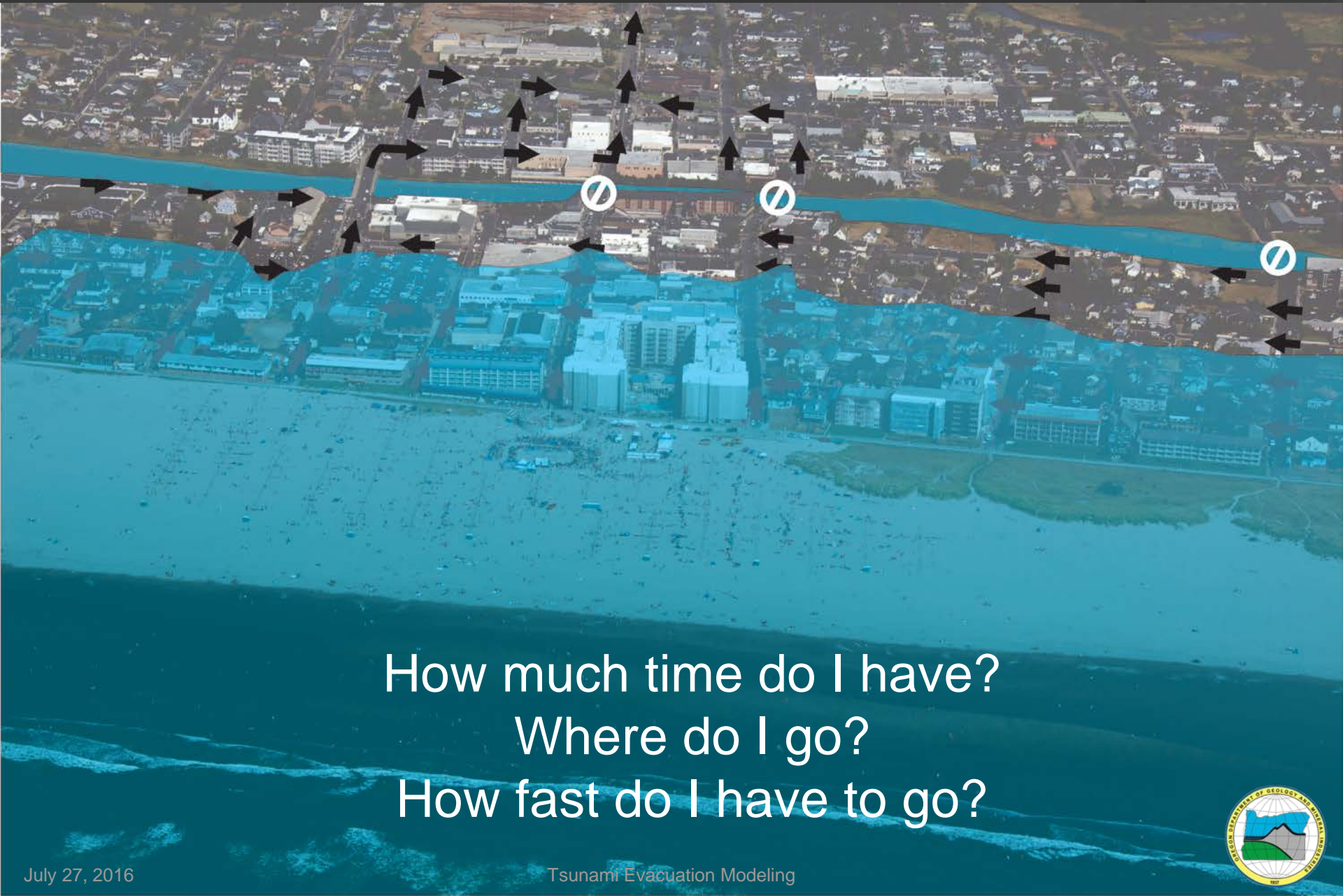
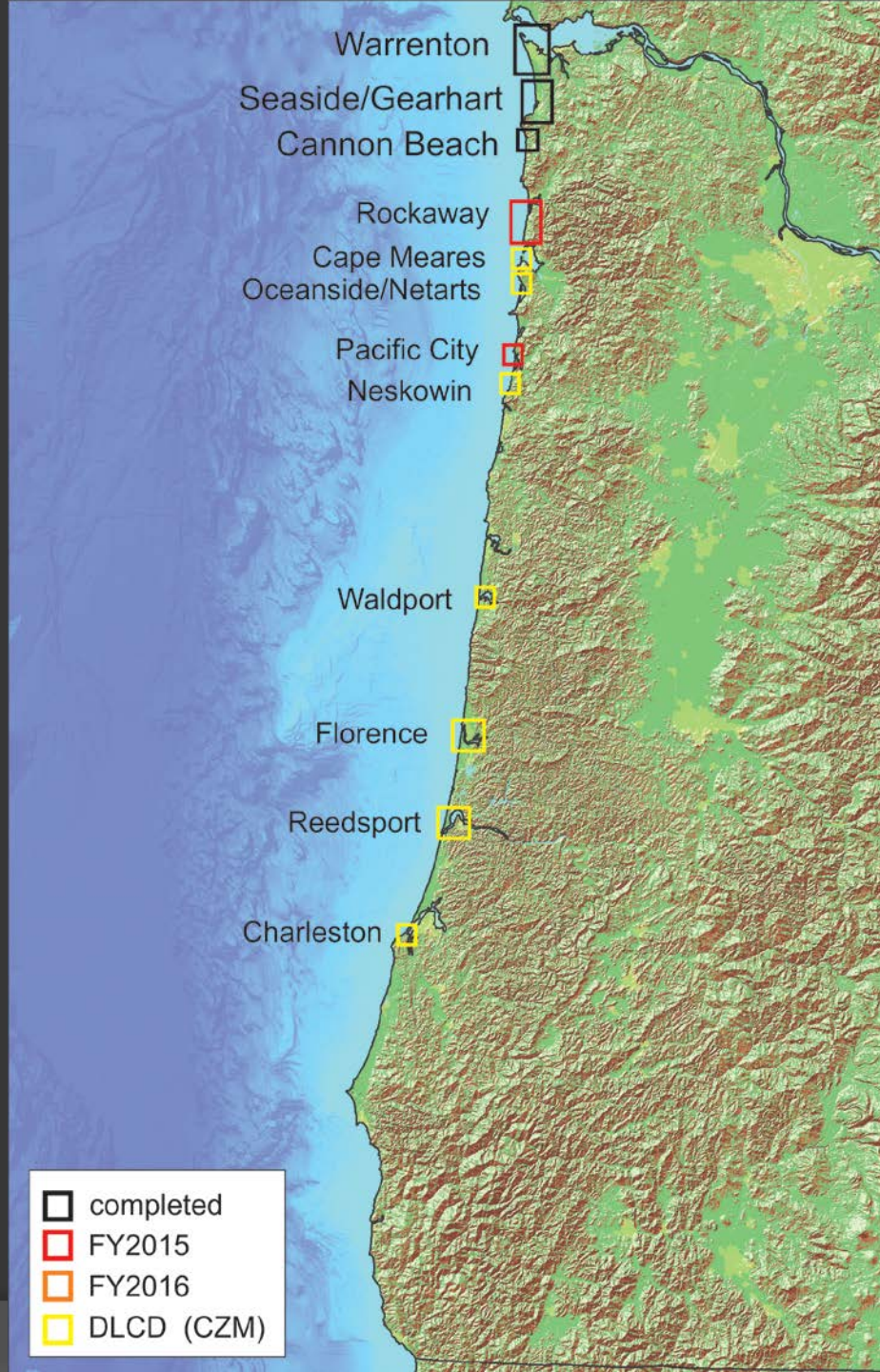


Oregon Pedestrian Tsunami Evacuation Modeling

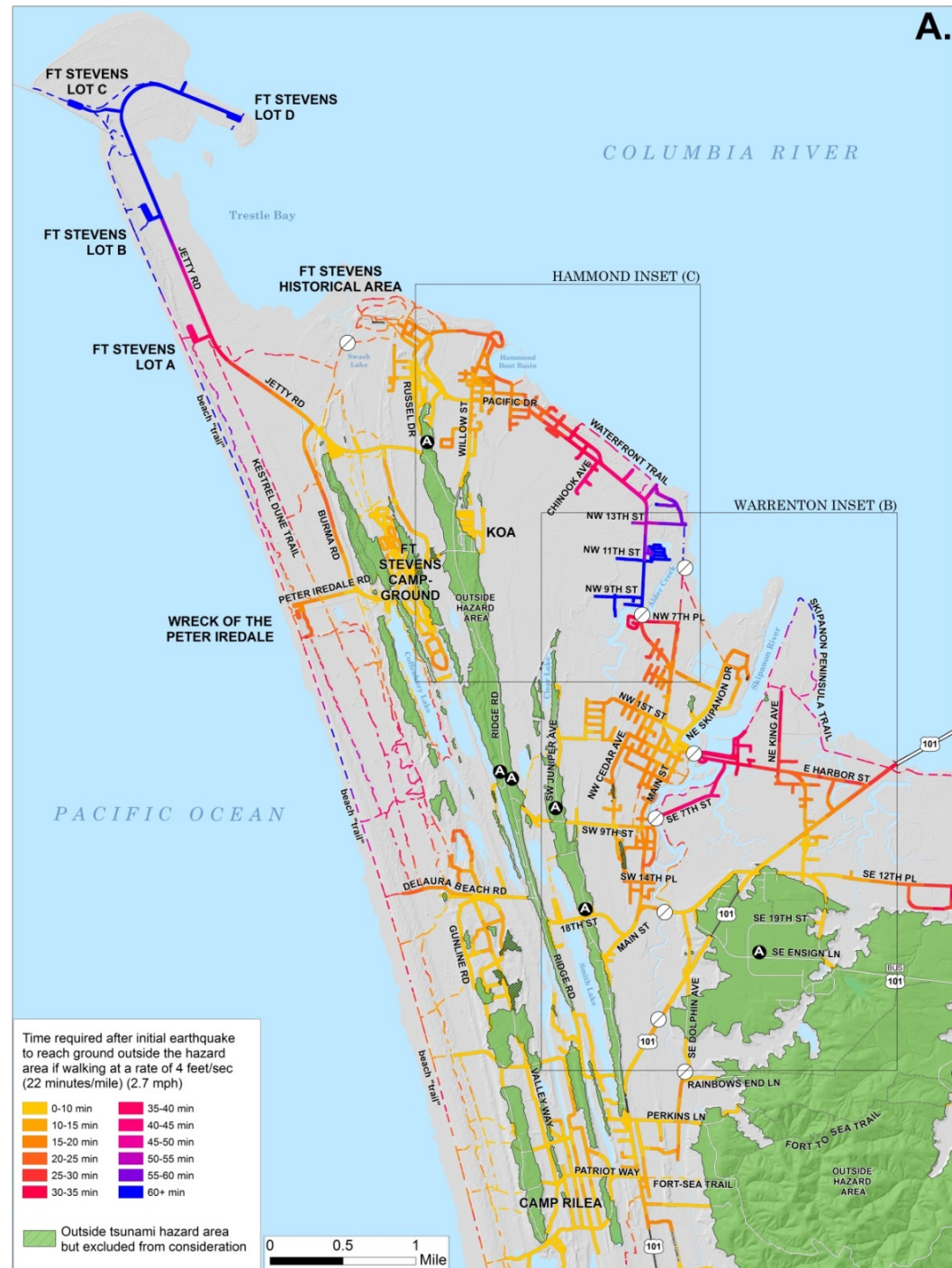


How much time do I have?
Where do I go?
How fast do I have to go?



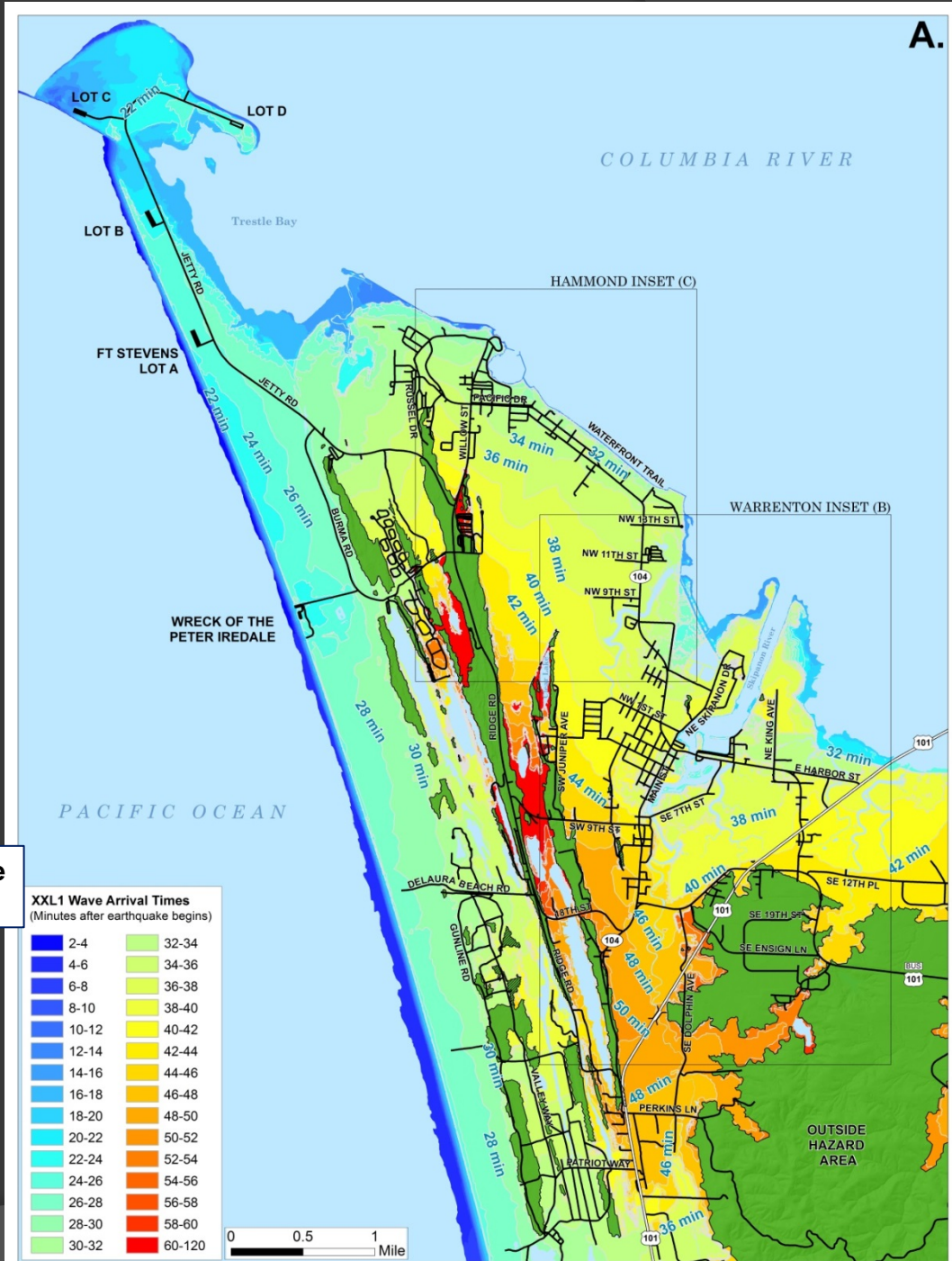
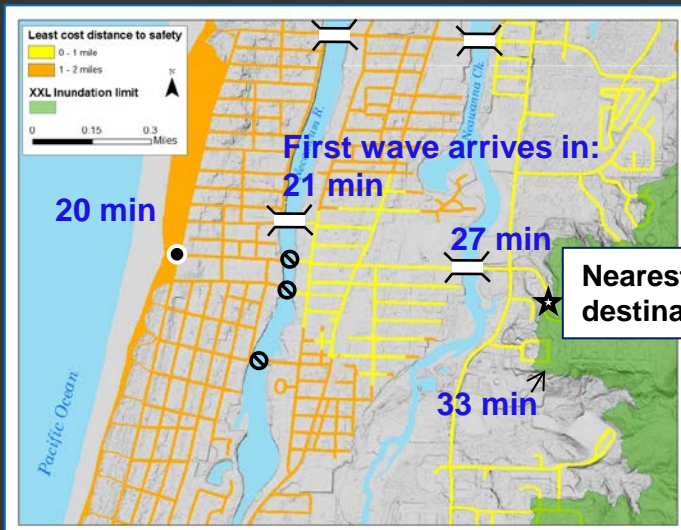
Modeled Evacuation Speeds

Assumes a 4fps speed



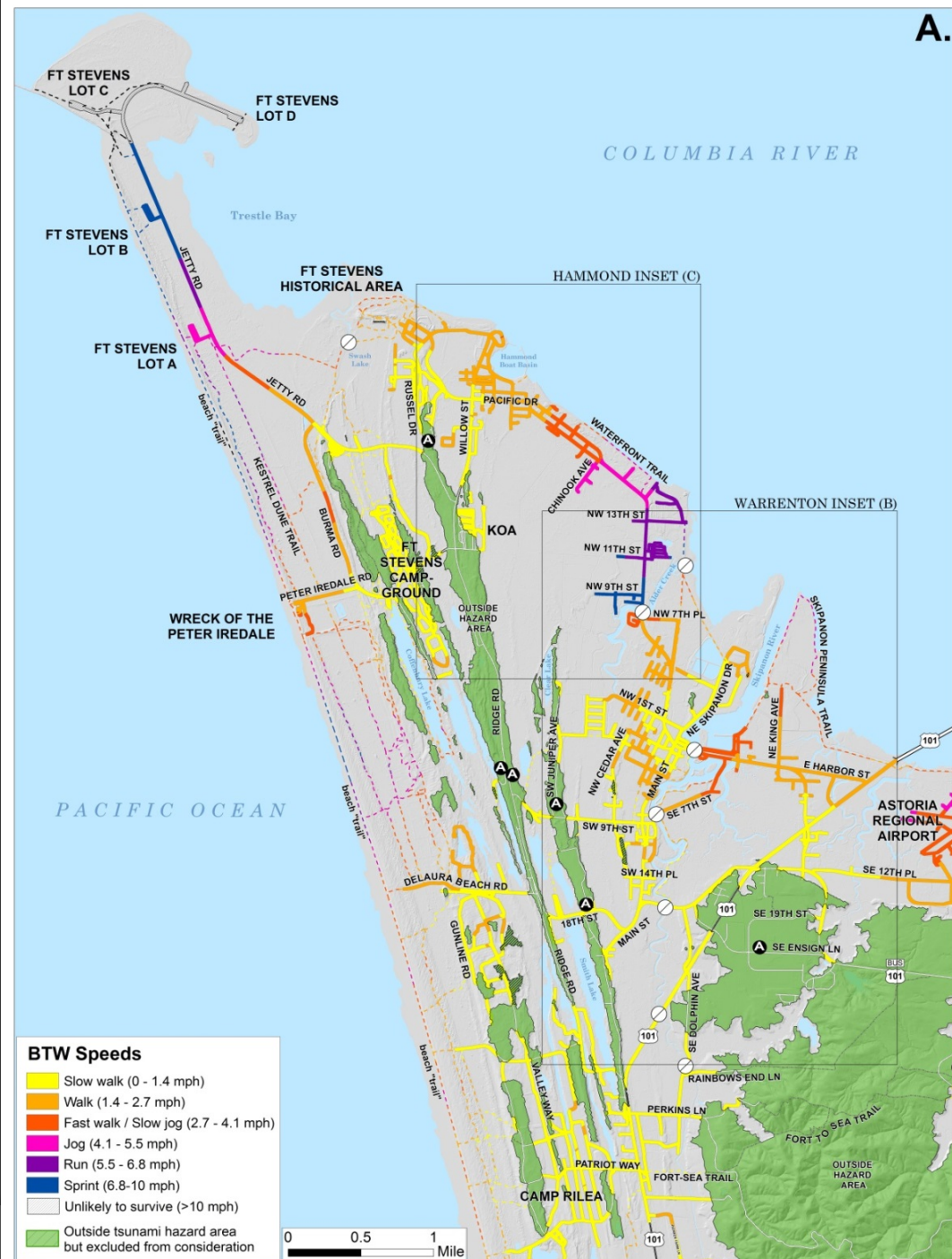
Wave arrival

When does the first wave arrive?

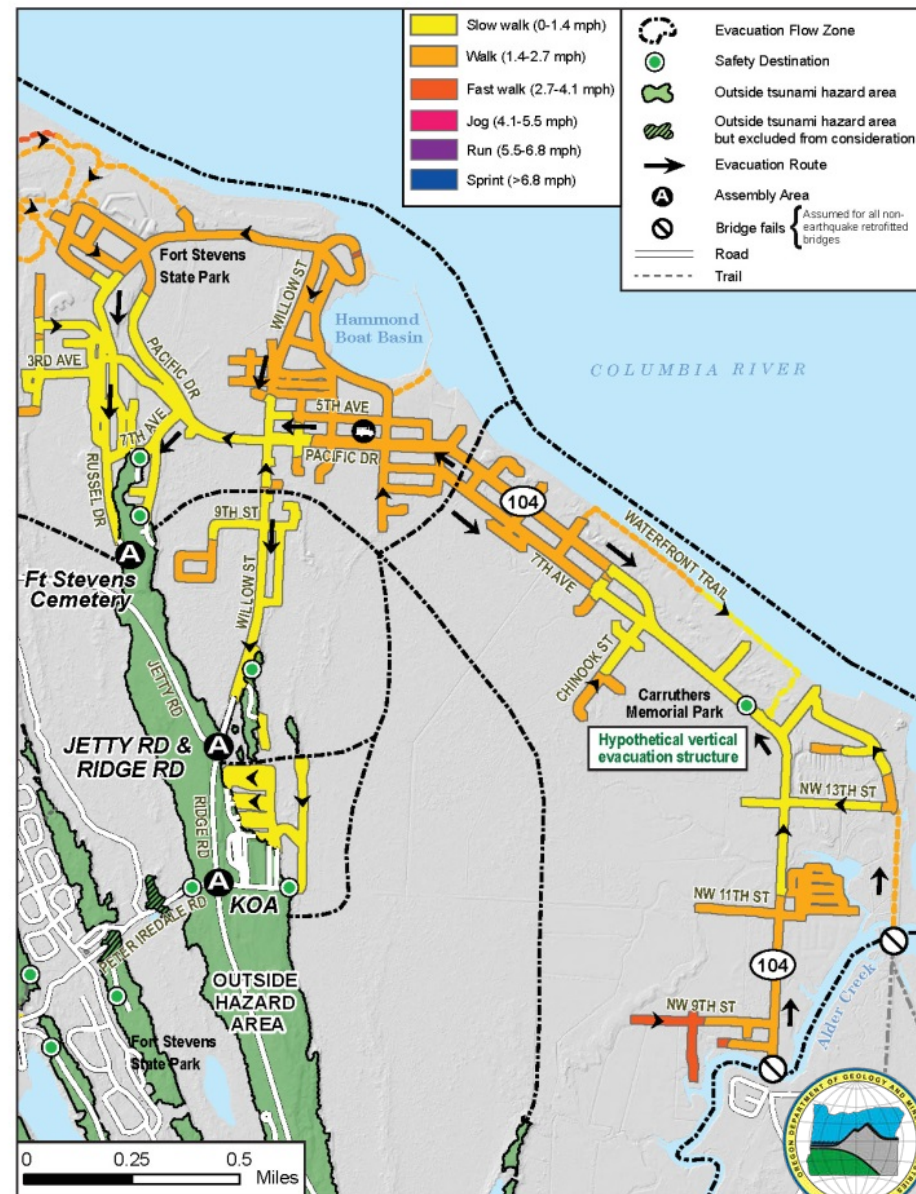
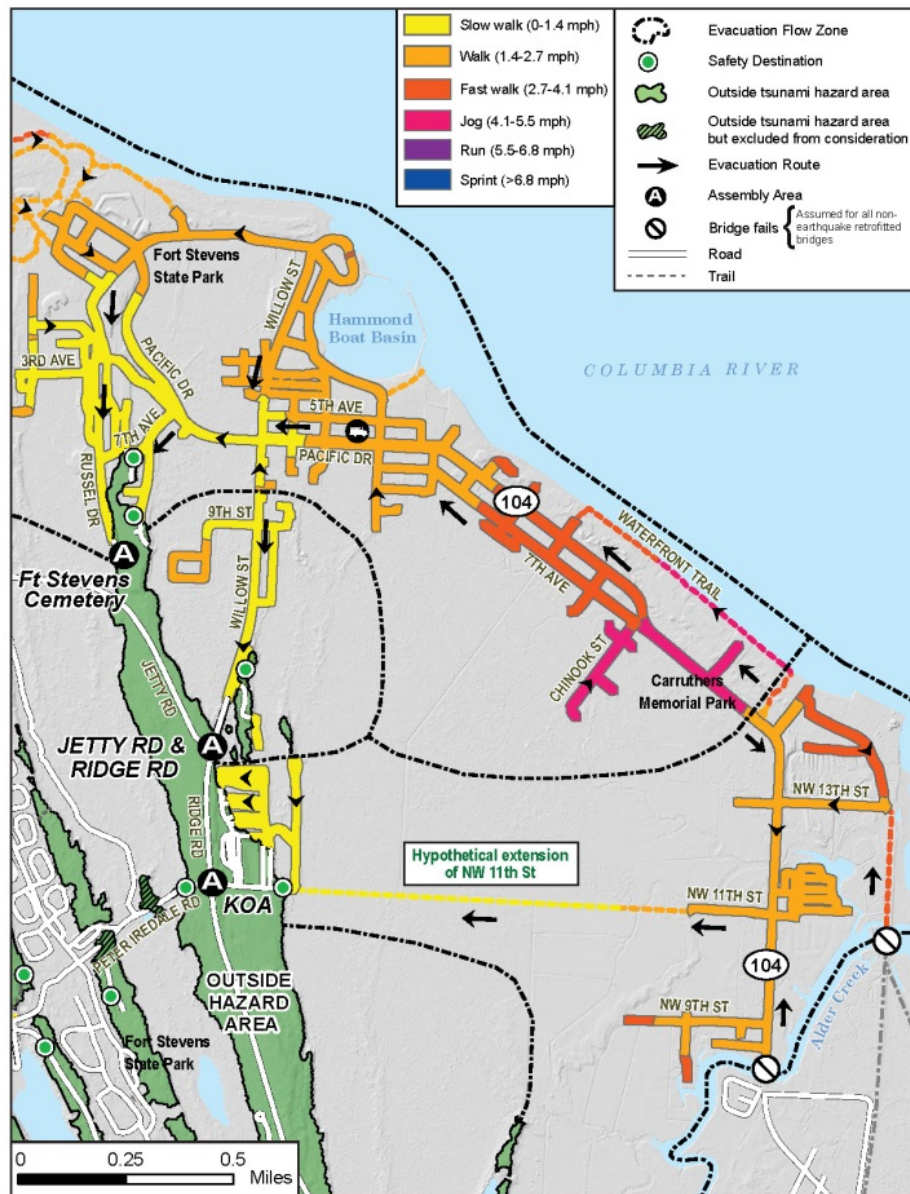


Modeled Beat the Wave Speeds

Accounts for wave arrival
times at every node

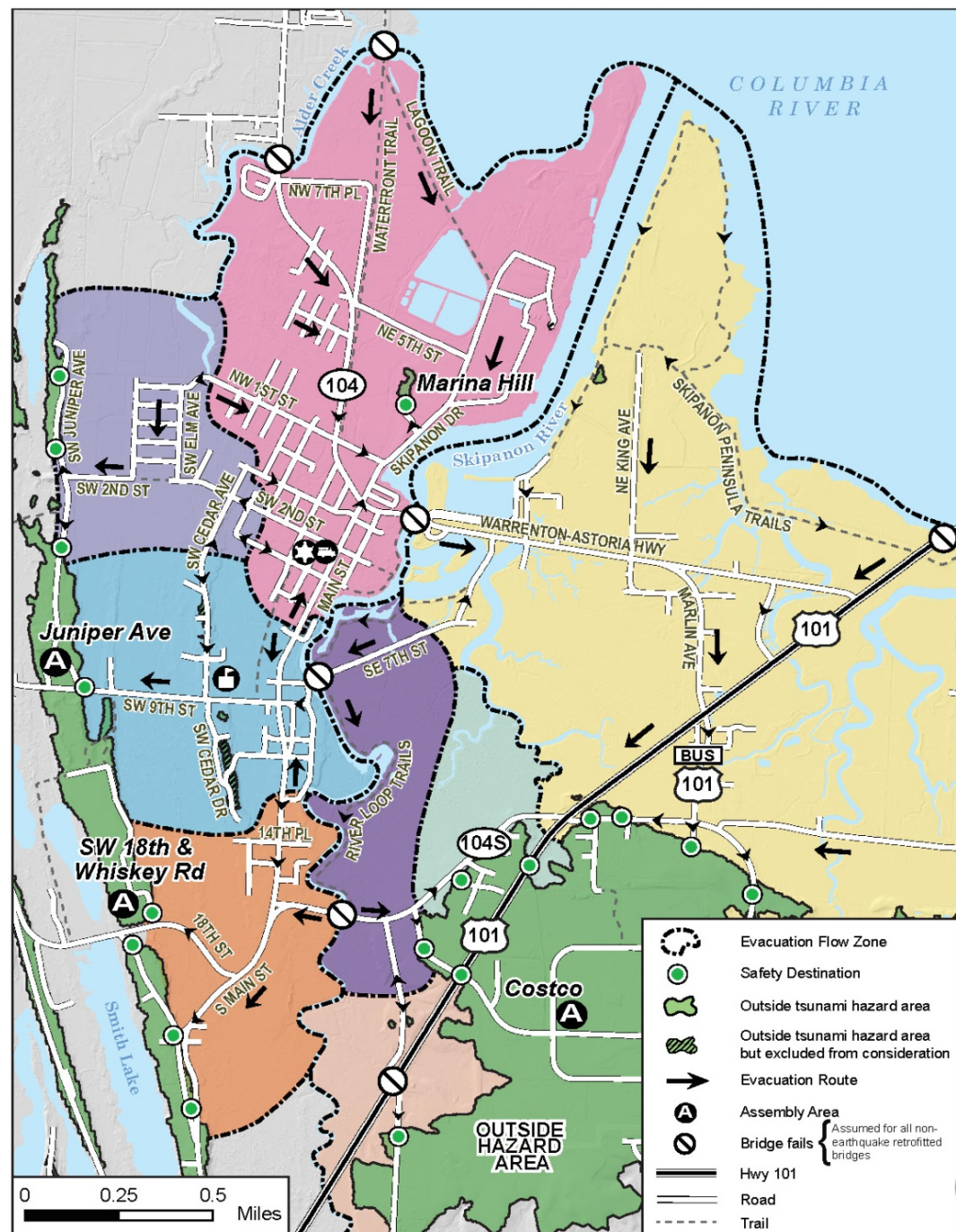


BTW Scenario Planning



Evacuation Routes & Community Watersheds

Arrows depicting evacuation route for every road/trail

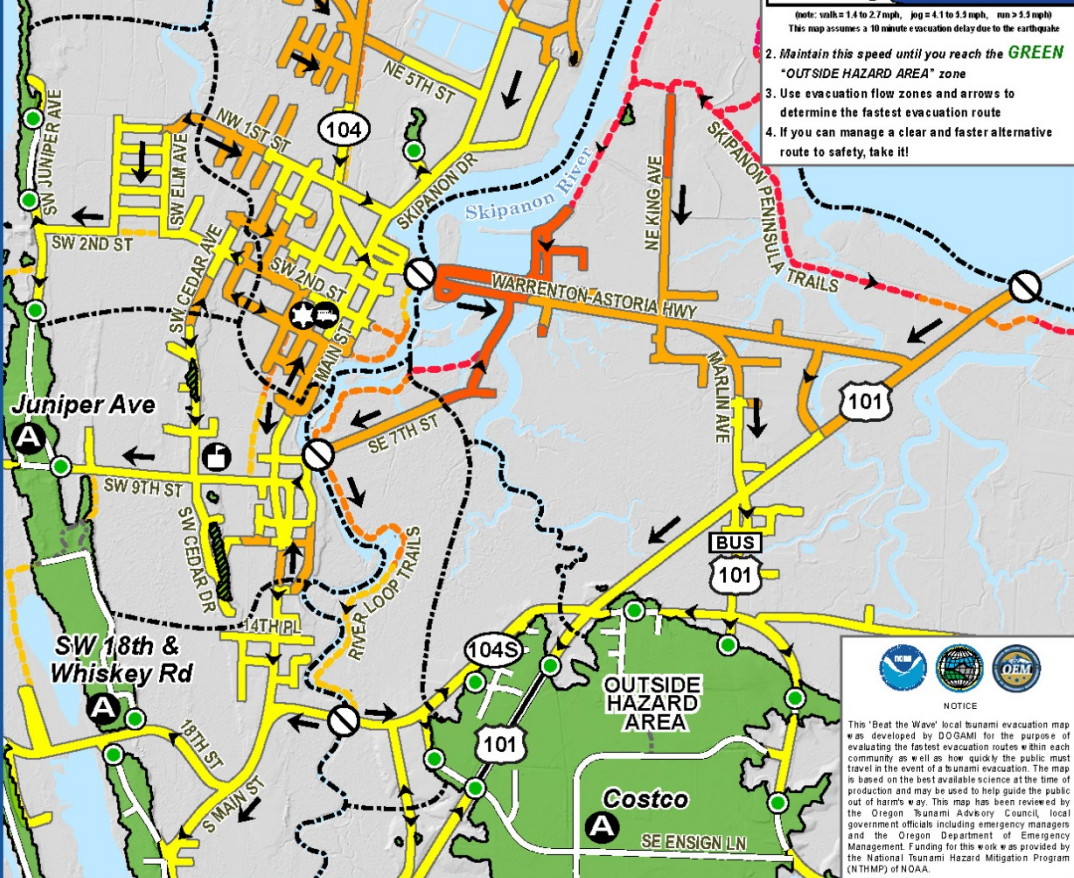
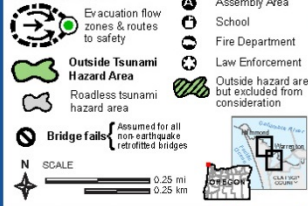




BEAT THE WAVE

LOCAL TSUNAMI EVACUATION MAP WARRENTON, OREGON

Map symbols



START HERE:

This map shows the minimum speeds and routes to safety in order to evacuate from a locally generated tsunami. Evacuation modeling is confined to roads/known trails only. The entire region (except green) is the tsunami hazard area. If an earthquake occurs and you are in the hazard area, find the nearest evacuation route and move quickly to high ground.

DO NOT DELAY, DO NOT SLOW DOWN!

1. Find the nearest road and color to your location. Colors represent minimum speeds required to reach safety.



Units: walk = 1.4 to 2.7 mph, jog = 4.1 to 5.5 mph, run > 5.5 mph
This map assumes a 10 minute evacuation delay due to the earthquake

2. Maintain this speed until you reach the **GREEN** "OUTSIDE HAZARD AREA" zone
3. Use evacuation flow zones and arrows to determine the fastest evacuation route
4. If you can manage a clear and faster alternative route to safety, take it!



NOTICE

This 'Beat the Wave' local tsunami evacuation map was developed by DOGAMI for the purpose of evaluating the fastest evacuation routes within each community as well as how quickly the public must travel in the event of a tsunami evacuation. The map is based on the best available science at the time of production and may be used to help guide the public out of harm's way. This map has been reviewed by the Oregon Tsunami Advisory Council, local government officials including emergency managers and the Oregon Department of Emergency Management. Funding for this work was provided by the National Tsunami Hazard Mitigation Program (NTHMP) of NOAA.



Public
Product?