# Wave Energy in Oregon - Planning Our Way to Success

# Jason Busch, Executive Director OWET/POET Promoting Responsible Development of Ocean Energy

. OregonWaveEnergyTrust



### The Technologies

Diversity: power take off, siting, size



















KM1

## Oregon Wave Energy Trust (OWET)

- Nonprofit public-private partnership funded by the State.
- Mission: to support the responsible development of wave energy in Oregon
- Vision: to create and attract an ocean energy industry in Oregon that leads to a significant addition to the state's economy, creating family wage jobs, and increasing our per capita income



### Oregon Wave Resource and Infrastructure

- Best wave resource in continental United States EPRI
- Existing sub-stations capacity able to absorb ~430 MW
- Grid infrastructure available
- Close to load and increasing coastal population
- World-class academic support OSU/NNMREC
- Manufacturing, transportation, deployment
- Supportive Policies



#### Slide 5

KM1 Supports

Supports Kelsey McAlpine, 10/12/2010



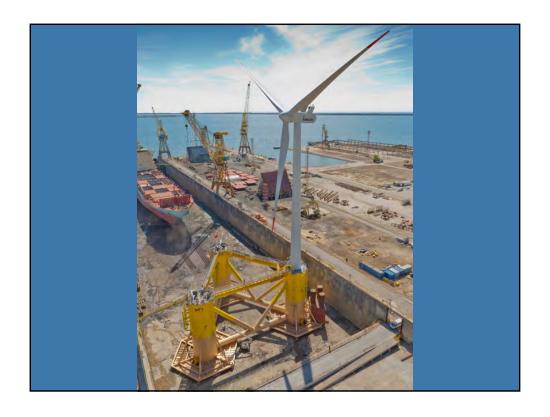


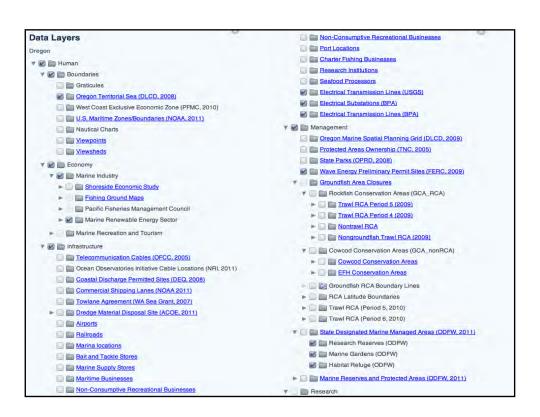






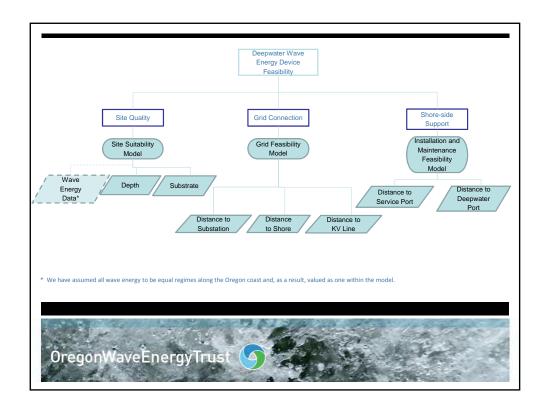


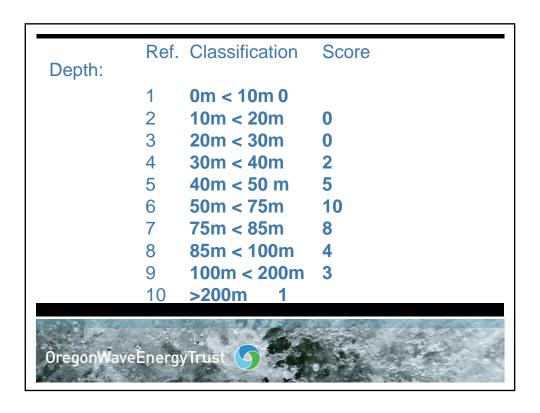












#### **Bottom Type:** Ref. Classification Score **Rock** 2 1 2 Shell 5 3 Gravel 5 Sand 10 4 Cobble 5 Mud 10 . OregonWaveEnergyTrust

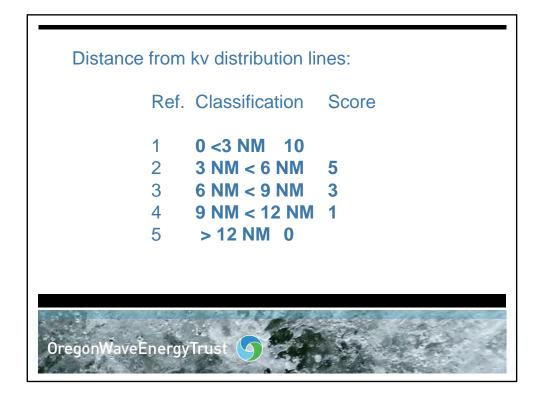
#### Distance from substations:

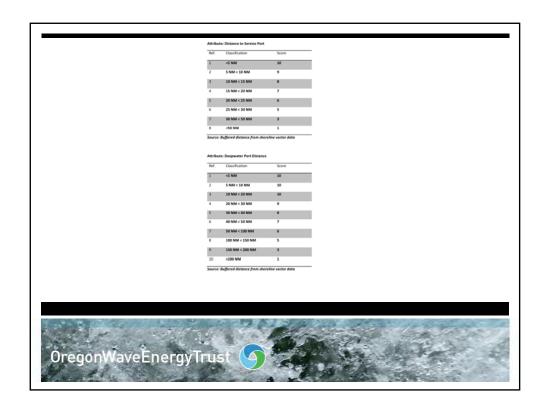
Ref. Classification Score

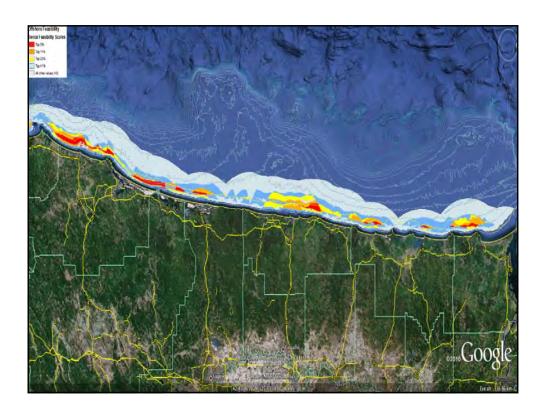
- 1 <**5 NM** 10
- 2 **6 NM < 12 NM 5**
- 3 **>12 NM** 1

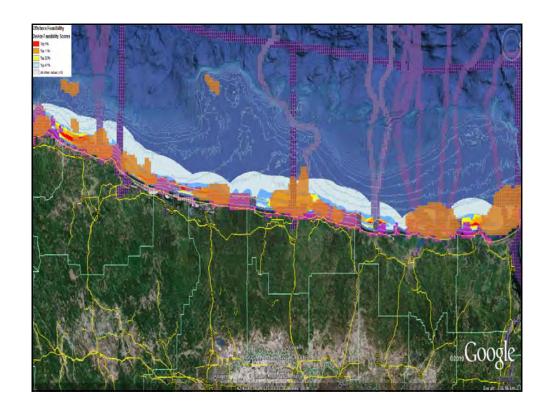


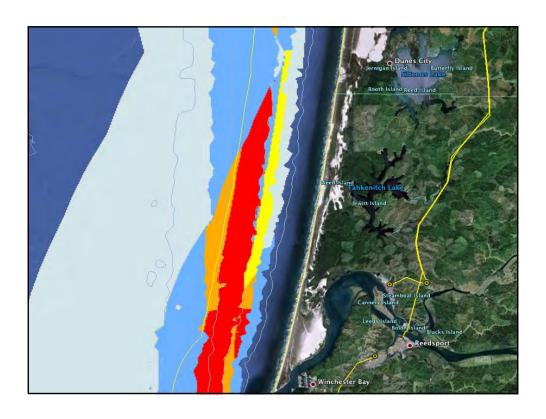
#### Distance from shore: Ref. Classification Score 1 <1 NM 10 2 1 NM < 2 NM 9 3 2NM < 3 NM 8 4 3 NM < 4 NM5 4 NM < 5 NM 5 NM < 6 NM 6 1 >6 NM 0 OregonWaveEnergyTrust

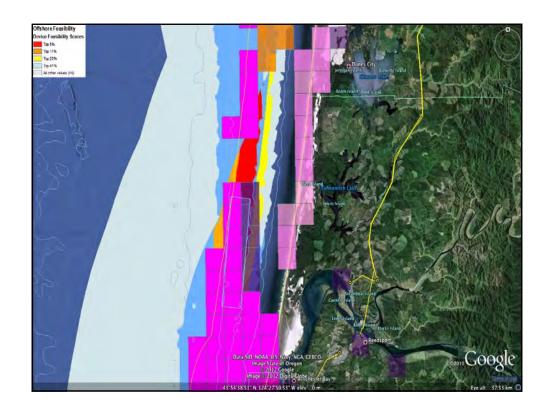


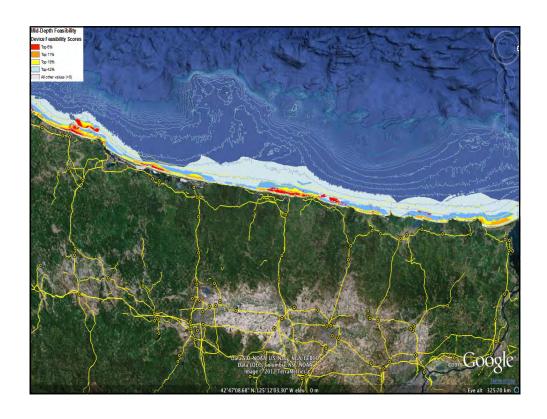




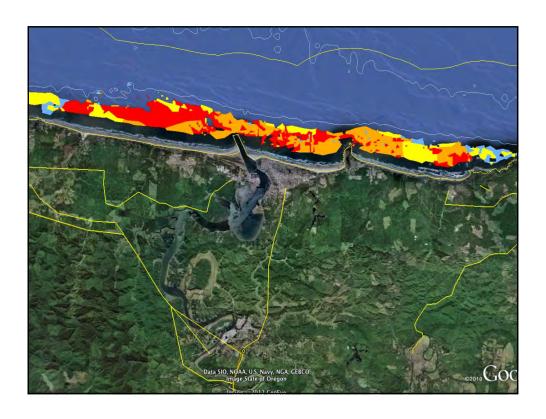












#### **Next Steps:**

- Resurvey technology developers
- Review existing parameters
- Expand the reach of grid connection and distance from shore
- Seek to tie to early stage project development areas
- Create new maps using OWET Cumulative Effects Tool



# Questions? <a href="https://www.oregonwave.org">www.oregonwave.org</a>

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