

Fishing Effort Maps to Inform Offshore Wind Planning

Justin Ainsworth

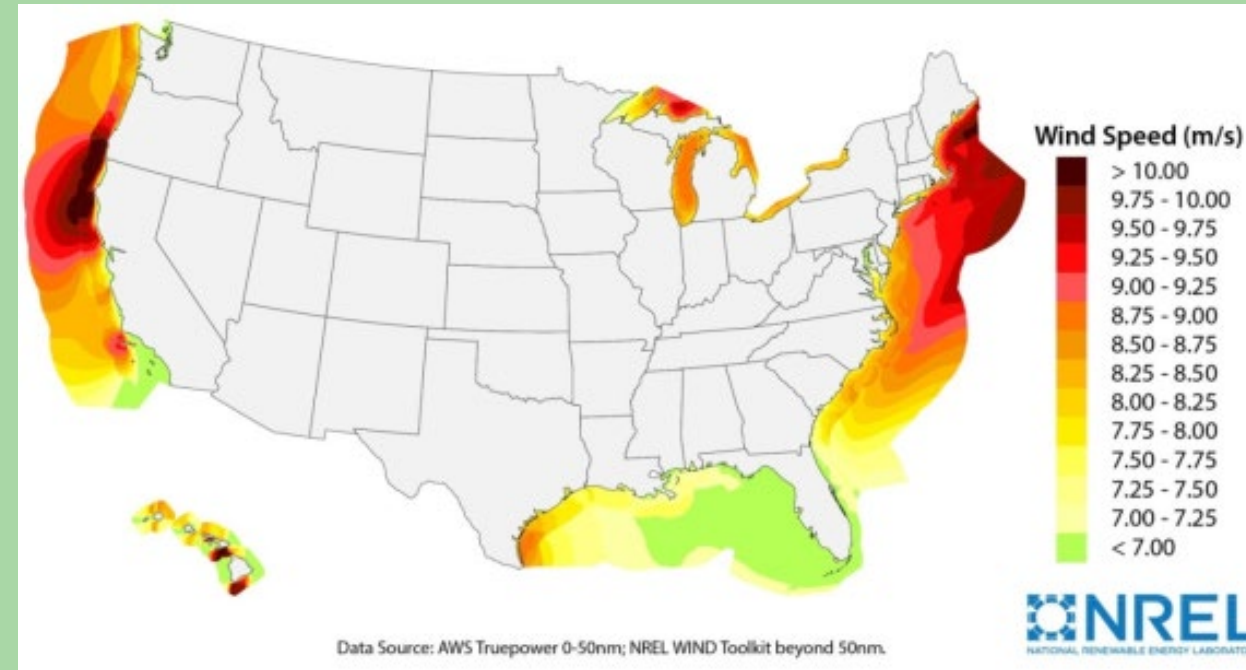
Oregon Dept. of Fish and Wildlife



Marine
Resources

Offshore Wind Siting Process

- Oregon has strong and consistent offshore winds
- Offshore wind site selection is a multi-year process
- Currently in data gathering and outreach phase
- Draft Call Areas will be selected early next year





Marine
Resources



BOEM

OROWindMap
Supporting the Offshore Wind Planning Process in Oregon

Search data



Active •

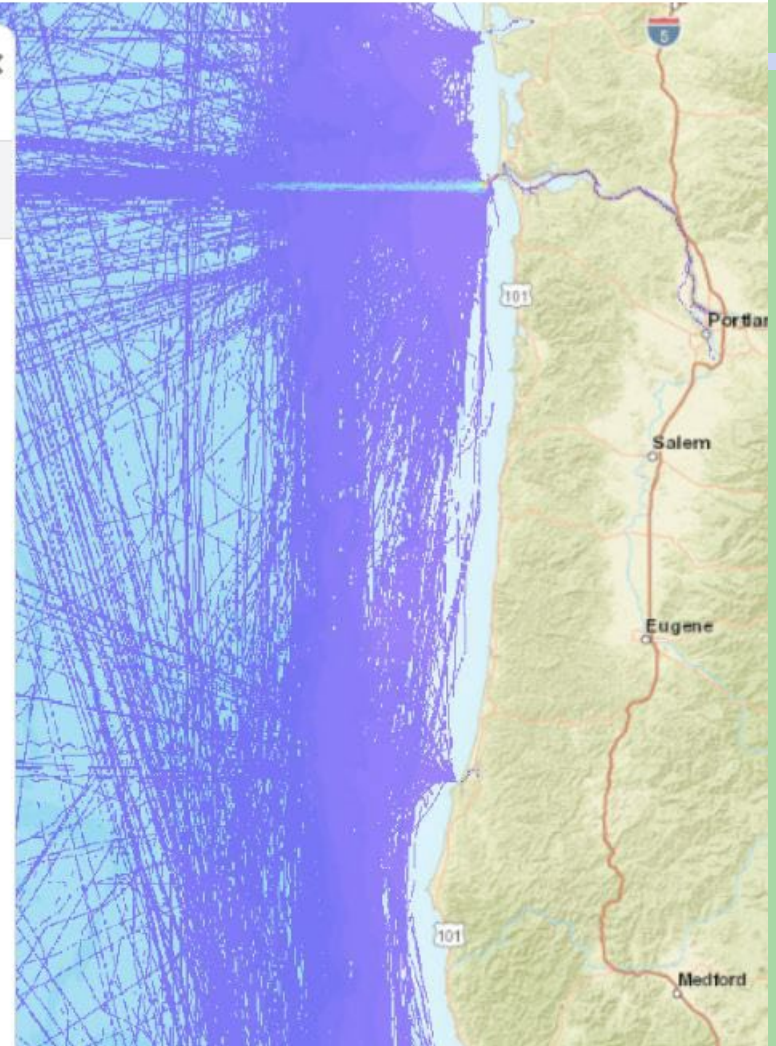
1

Data

Legend

AIS Vessel Transit Counts: Cargo (2016)

- The Oregon Department of Land Conservation and Development (DLCD), in partnership with Bureau of Ocean Energy Management (BOEM), has developed the Oregon Offshore Wind Mapping Tool (OROWindMap)
- OROWindMap was created within the West Coast Ocean Data Portal to provide public access to the best available data throughout the planning process.
- Data layers include: transportation, military, biological, physical

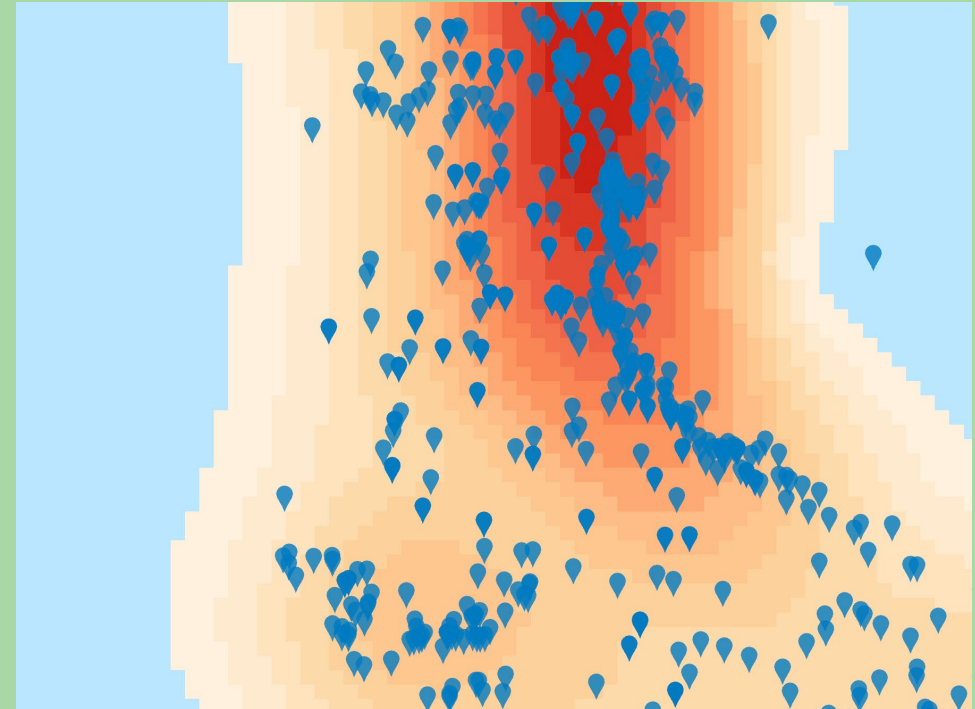




Marine
Resources

ODFW Fishing Effort Data

- **Dungeness Crab**
- **Fixed Gear**
- **Groundfish Trawl**
- **Nearshore Groundfish**
- **Squid and Sardine Seine**
- **Pink Shrimp Trawl**
- **Spot Prawn**
- **Recreational Bottomfish**
- **Albacore (NOAA)**





Marine
Resources

ODFW Commercial Fishing Effort Maps



BOEM

OROWindMap
Supporting the Offshore Wind Planning Process in Oregon

Search data



Active • 1 Data Legend

DUNGENESS CRAB COMMERCIAL
FISHING EFFORT 2007 - 2020
(ODFW) (DATA SLIDER)



2007/08 - 10/11

2011/12 - 17/18

2018/19 - 19/20



Logbook data was mostly
summarized using Kernel
Density Estimation. Fishing
grounds were also
summarized by zone or
perimeters.



BOEM

OROWindMap
Supporting the Offshore Wind Planning Process in Oregon

Search data



Active • 1 Data Legend

Pink Shrimp Trawl Fishing Effort 1995 -
2020 (ODFW)

16029454 - 282461228
282461229 - 548893002
548893003 - 815324776
815324777 - 1081756551
1081756552 - 1348188325
1348188326 - 1614620099
1614620100 - 1881051873
1881051874 - 2147483647



Marine
Resources

Collaborative Effort

- **Special thanks to:**

- **ODFW**

- Jessica Watson
- Scott Malvitch
- Scott Groth
- Troy Buell
- Lindsey Noordman
- Cameron Sharpe
- Christian Heath
- Delia Kelly
- Dave Fox

- **DLCD**

- Andy Lanier
- Tanya Haddad

- **West Coast Ocean Alliance**

- Marisa Nixon

- **BOEM**

- Frank Pendleton

Thank you for listening!

Justin Ainsworth

Justin.c.Ainsworth@odfw.Oregon.gov