

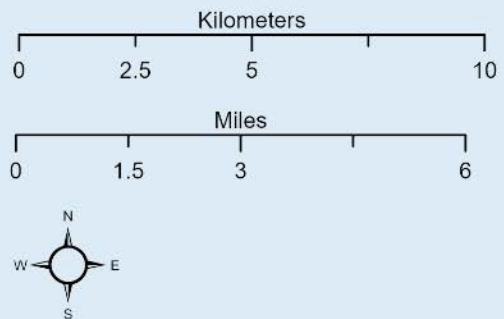


PacWave

# Shoreside Tour Maps and Graphics 2025



**Oregon State**  
University



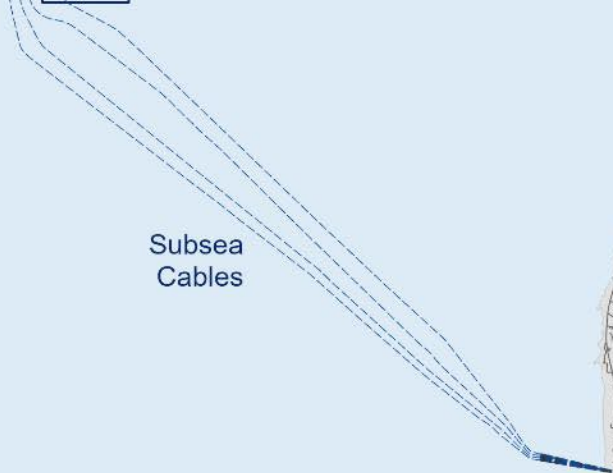
PacWave  
North



PacWave  
South



Subsea  
Cables

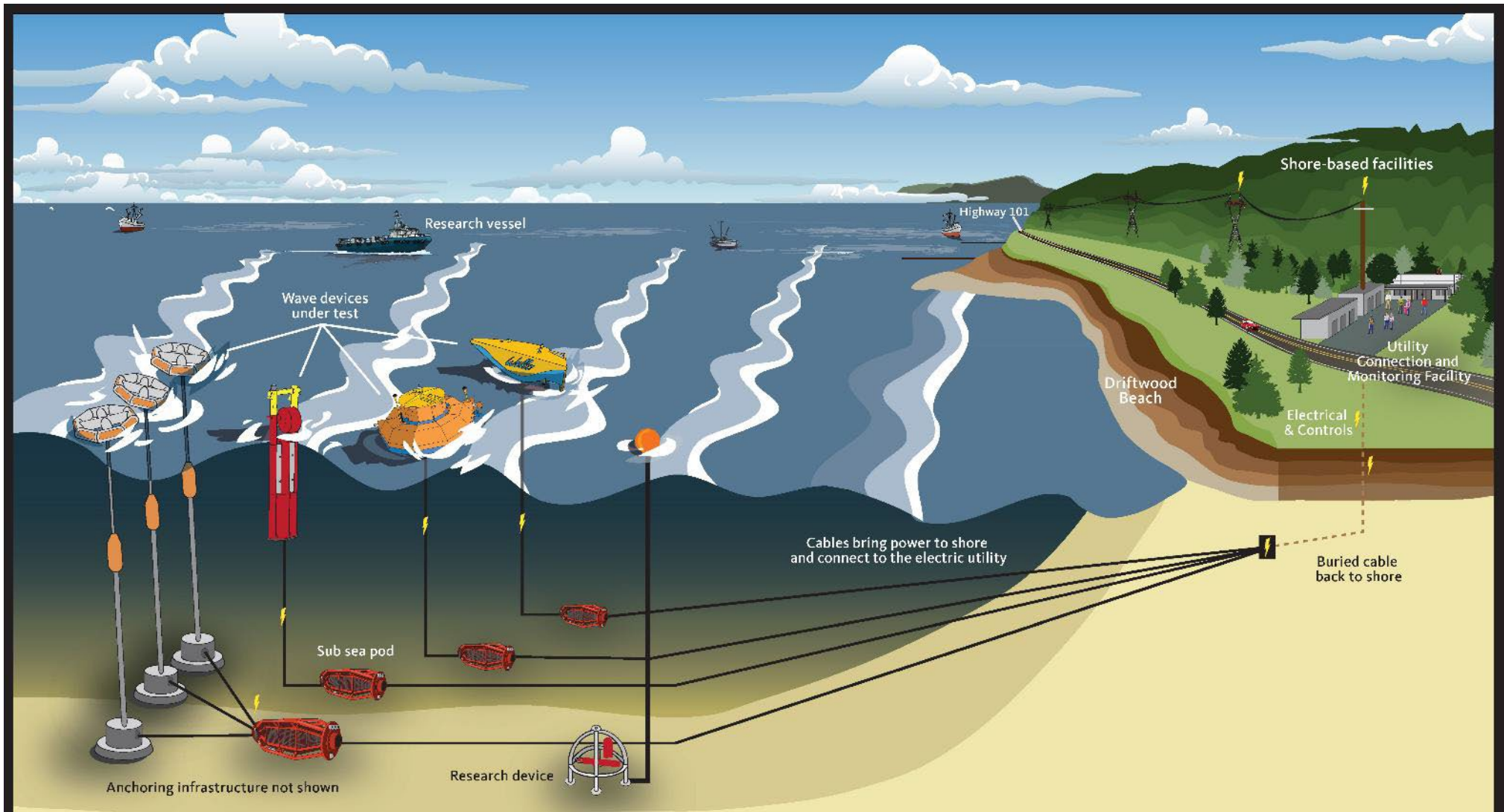


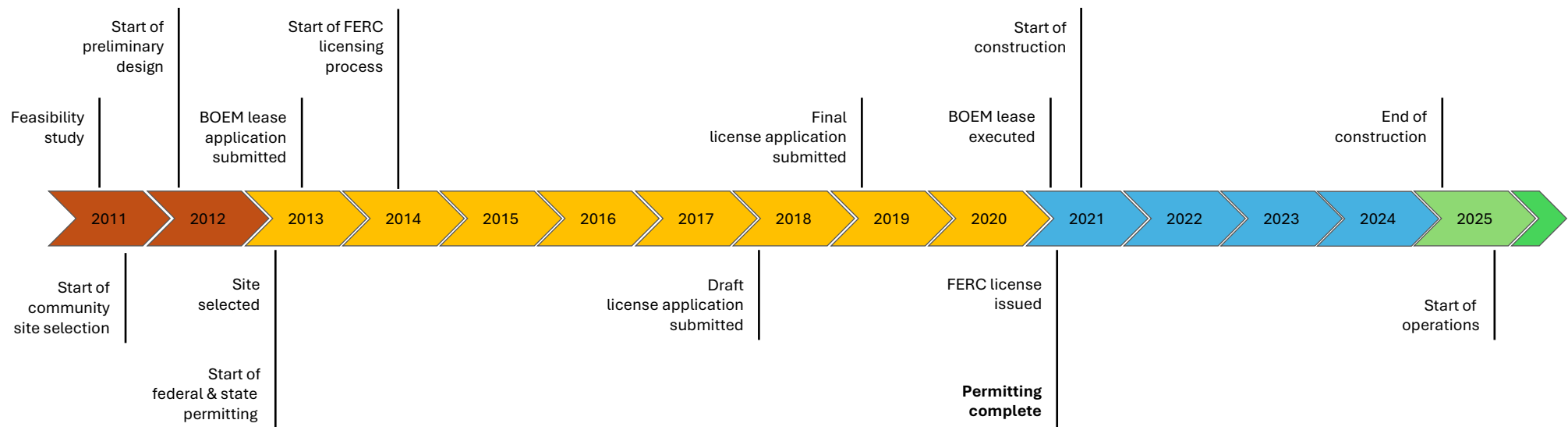
Newport

Toledo

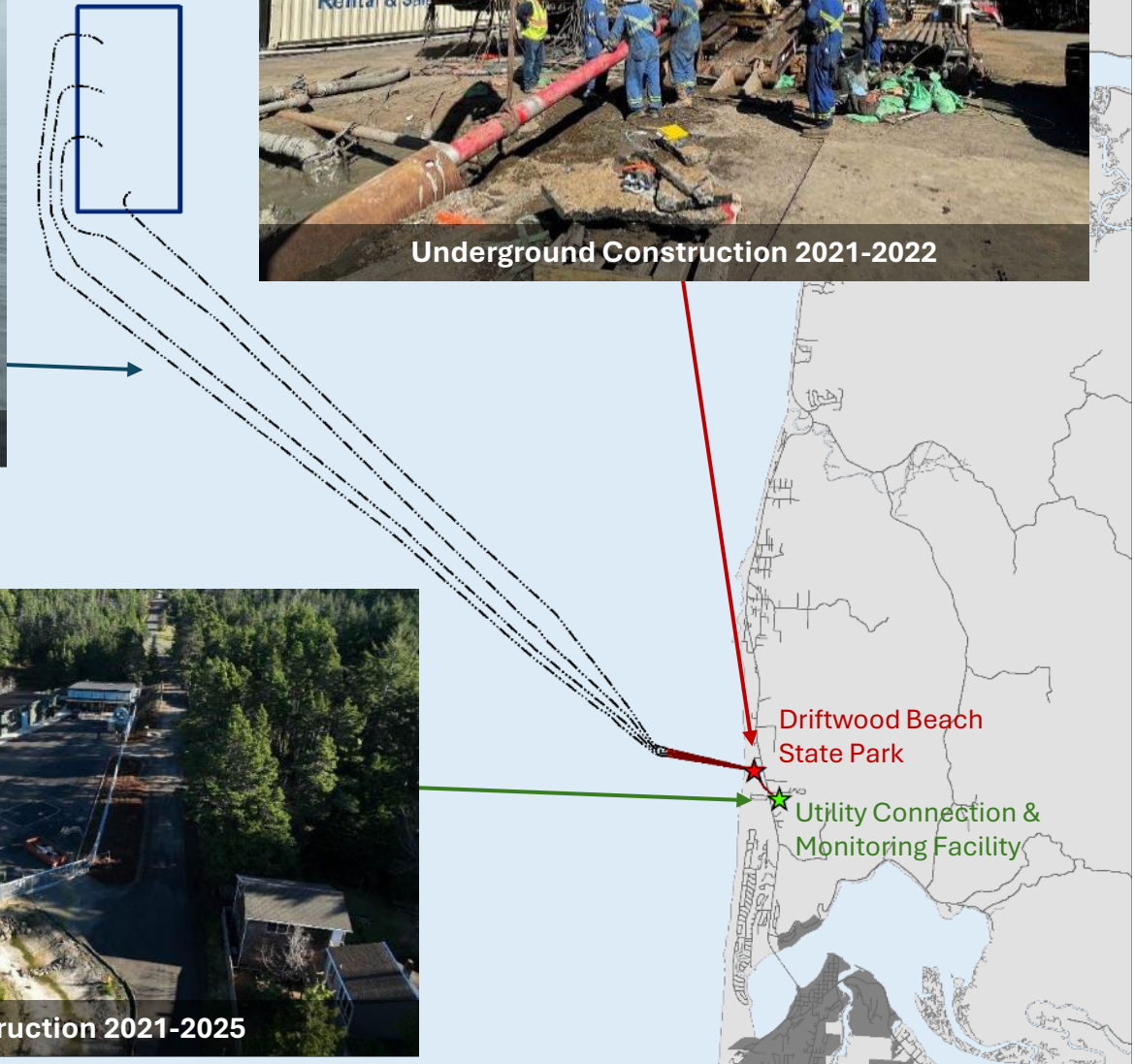
Waldport















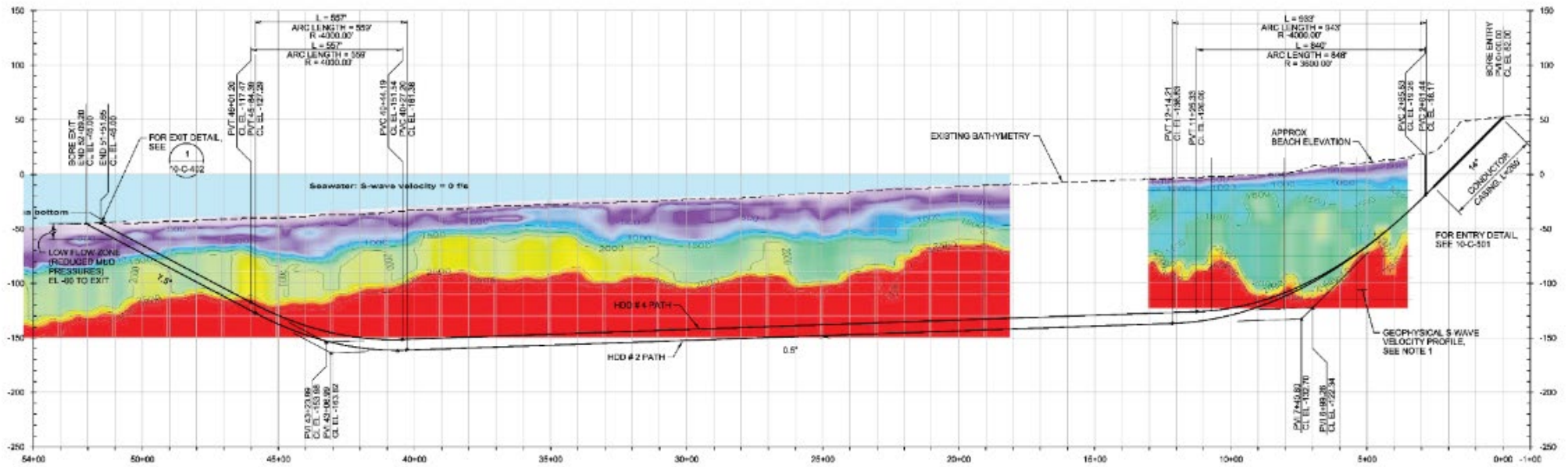


THE  
**HDD**  
COMPANY

# Jacobs

Photograph:  
Newport News Times













**Driftwood**

**UCMF**



















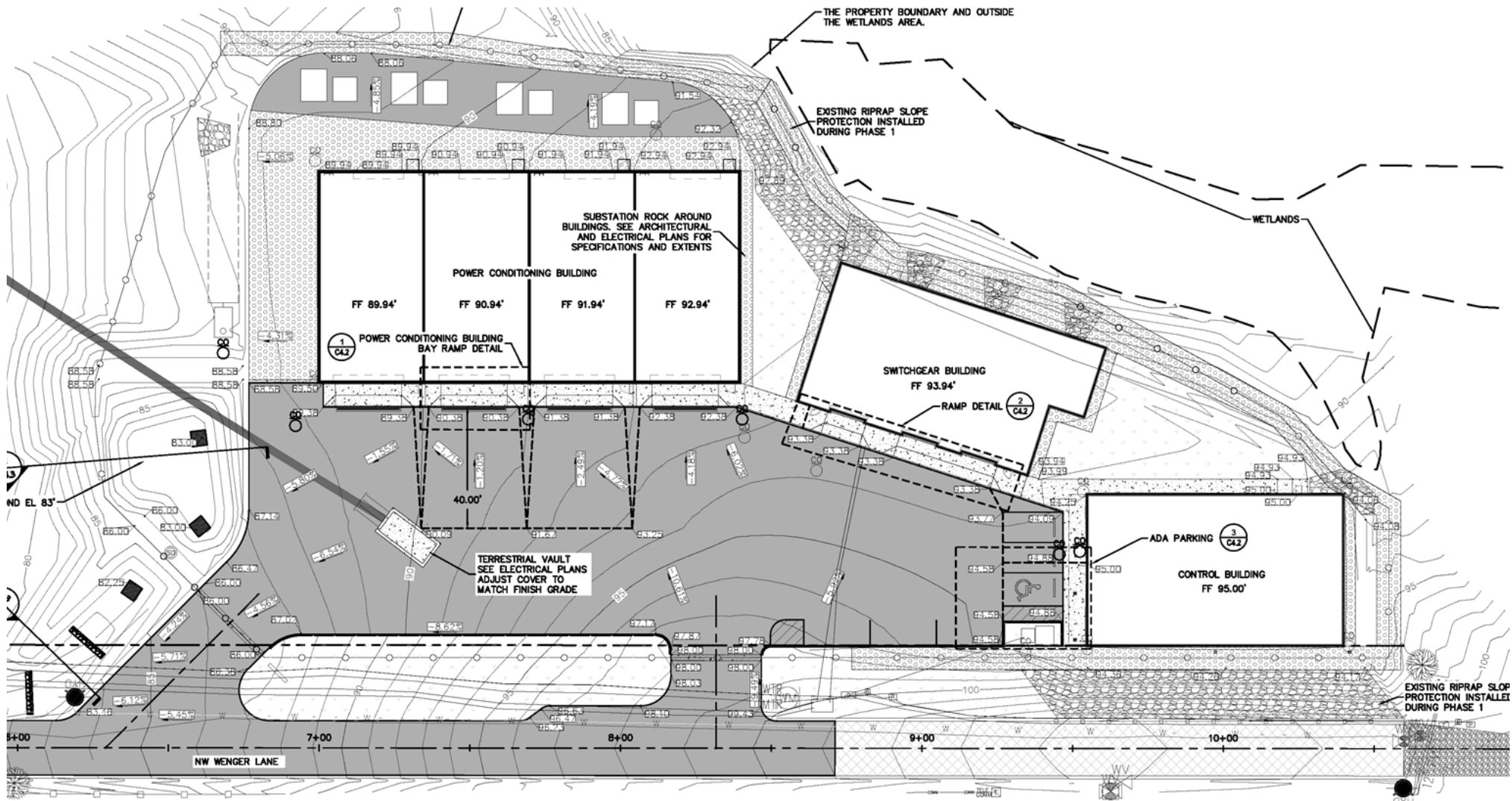
Underground construction  
work took almost a year

Four offshore bores, each  
over a mile in length

Running up to 130 feet  
below the seafloor

Over 1,200,000 pounds of  
steel conduit was installed  
and 60,000 pounds of HDPE  
(plastic) pipe









1.5-acre site

Three buildings: the Power Conditioning, Switchgear and Control Buildings.

Approximately 18,200 square feet.

Includes metering and switchgear to support up to 20 megawatts of power generation, with power feeding onto the Central Lincoln People's Utility District system.













Depart Rognan:  
May 27

Arrive North Bend:  
July 27

Loading INNOVATOR:  
June 13 to July 3

Transit Canal:  
July 12

Google Earth

Data SIO, NOAA, U.S. Navy, NGA, GEBCO  
Image Landsat / Copernicus  
Image IDCAO







***HOS Innovator***

Length: 240 feet POB: 40  
Cable lay



***Liberty***

Length: 89 feet POB: 8  
Dive operations



***Nautilus***

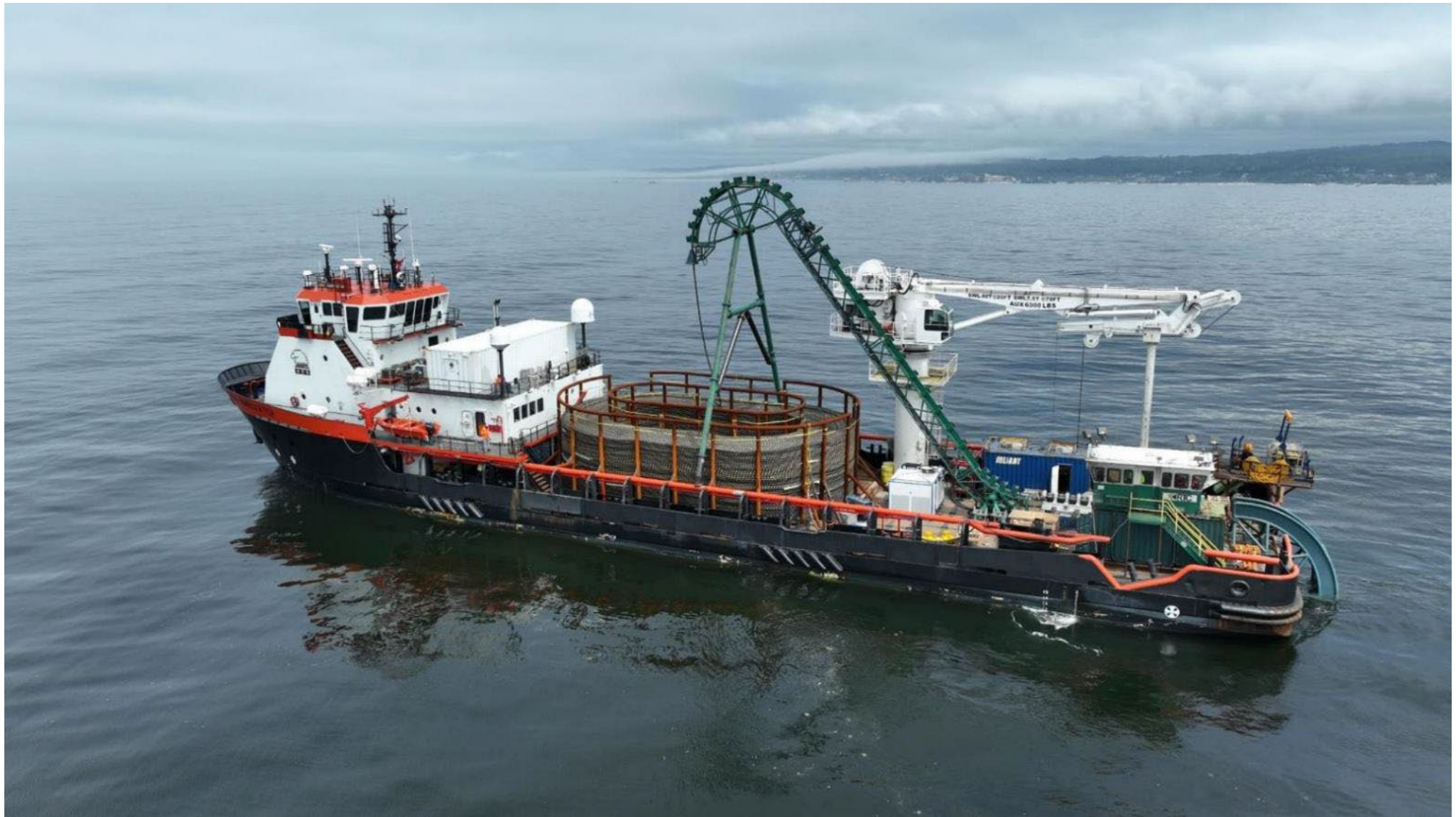
Length: 242 feet POB: 31  
Cable burial



***CMROV 3***

Length: 12x12x9 feet  
Cable burial

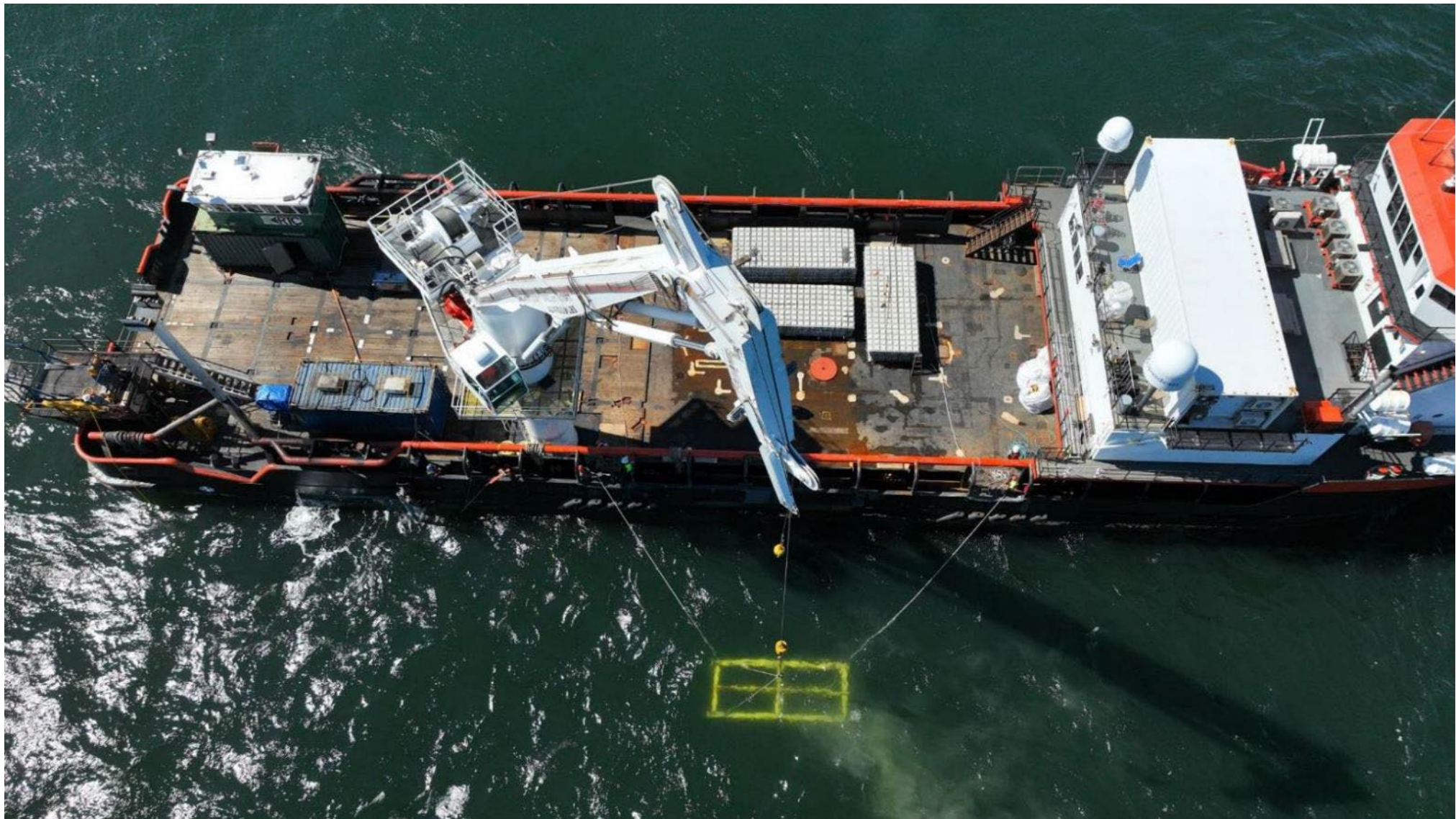




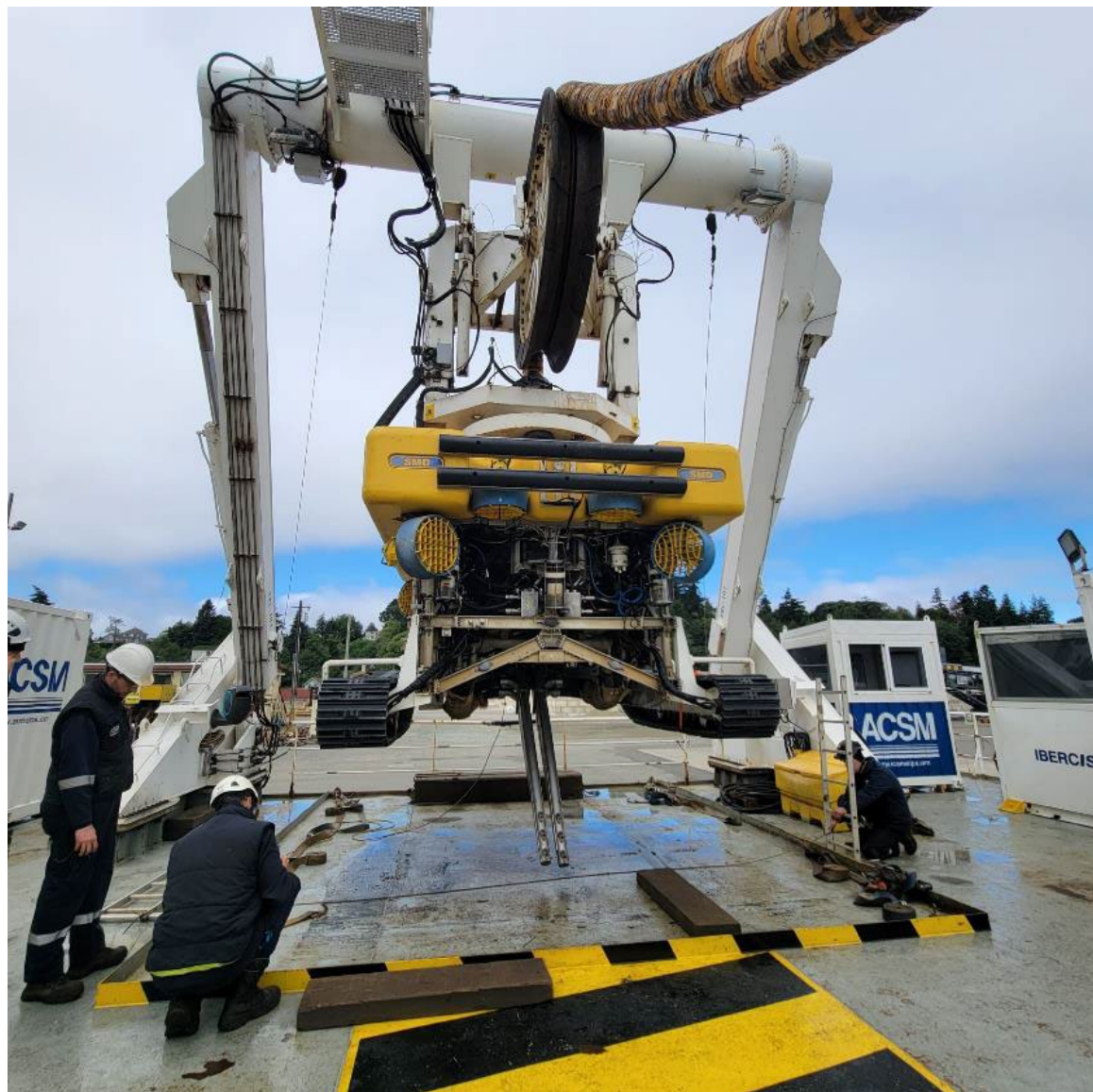




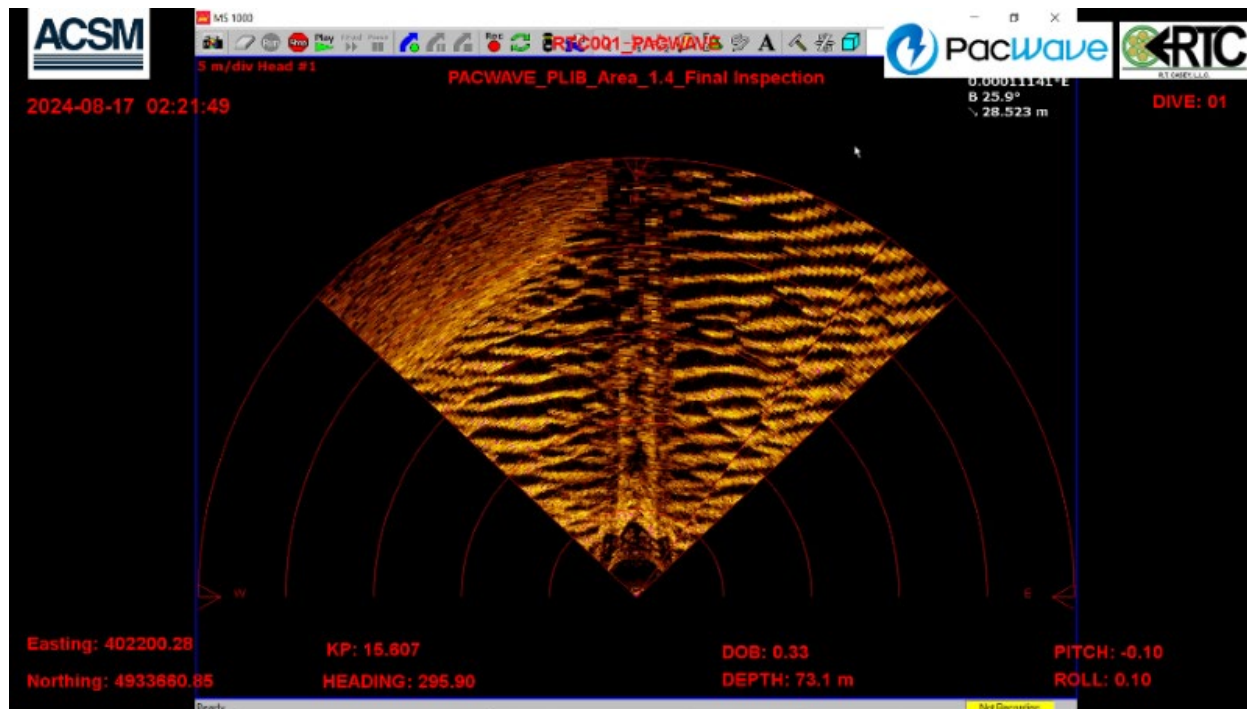




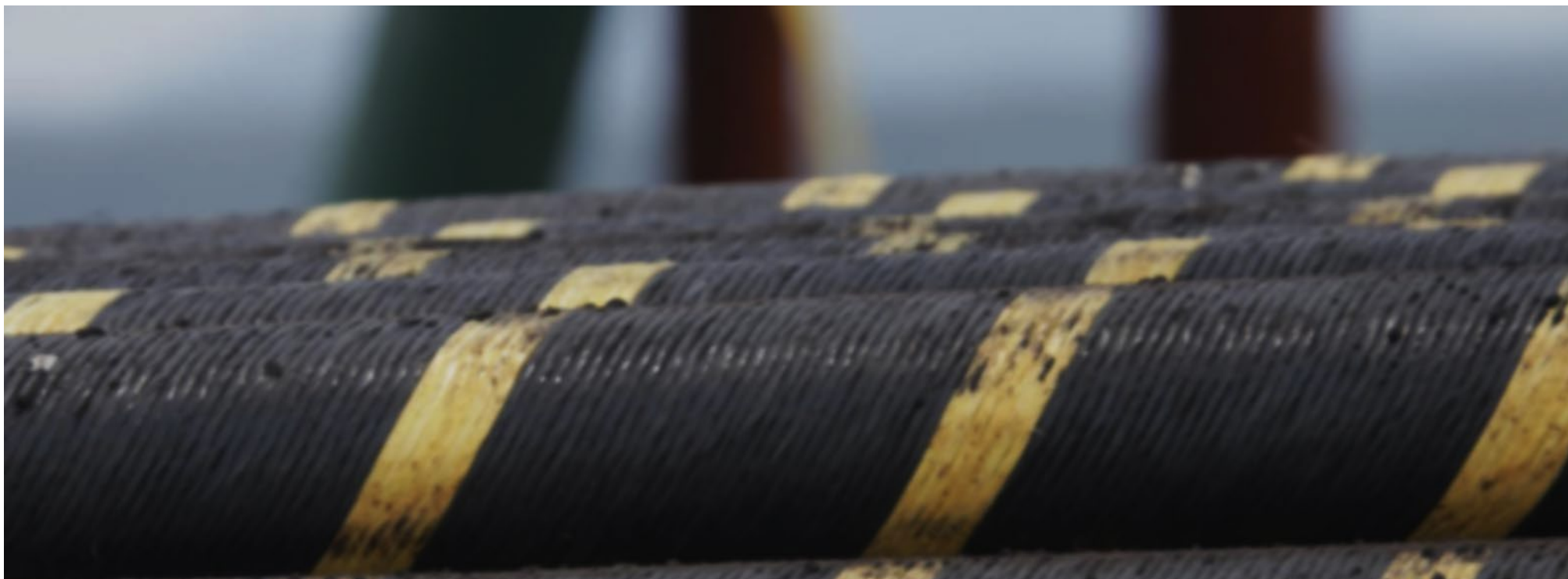












- Installation took about 27 months from initial contracting to completion of burial
- Cable manufacturing in Europe took 19 months
- Cable installation took 14 weeks from July to October, 2024
- Almost 300 vessel-days on charter
- Over 5,000 person-days for installation
- Almost 1,000 ROV-hours for cable burial
- Included the CMROV's longest work dive (138 hours, or 5.75 days)



# Initial PacWave Clients – expected in 2026/2027

CalWave Power Technologies

California

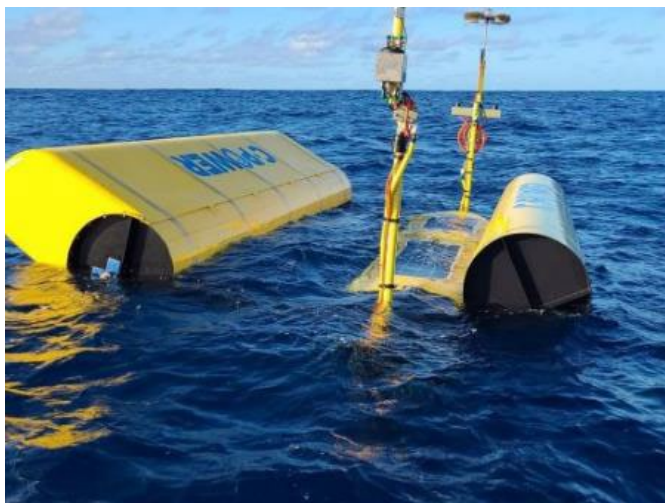
C.Power

Virginia/Oregon

Portland State University & Aquaharmonics

Oregon

Funded through 2022 Department of Energy funding opportunity:  
Advancing Wave Energy Technologies Through Open Water Testing at  
PacWave







[PacWaveEnergy.org](http://PacWaveEnergy.org)