

# Cable Laying Process

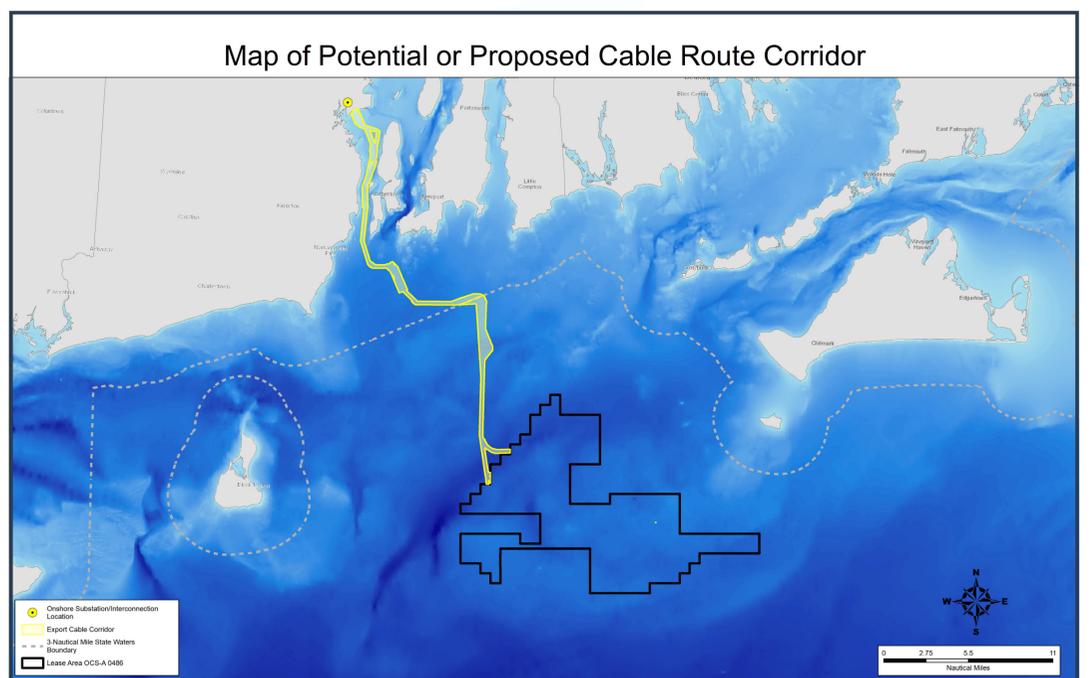


**Cable lay vessel.**



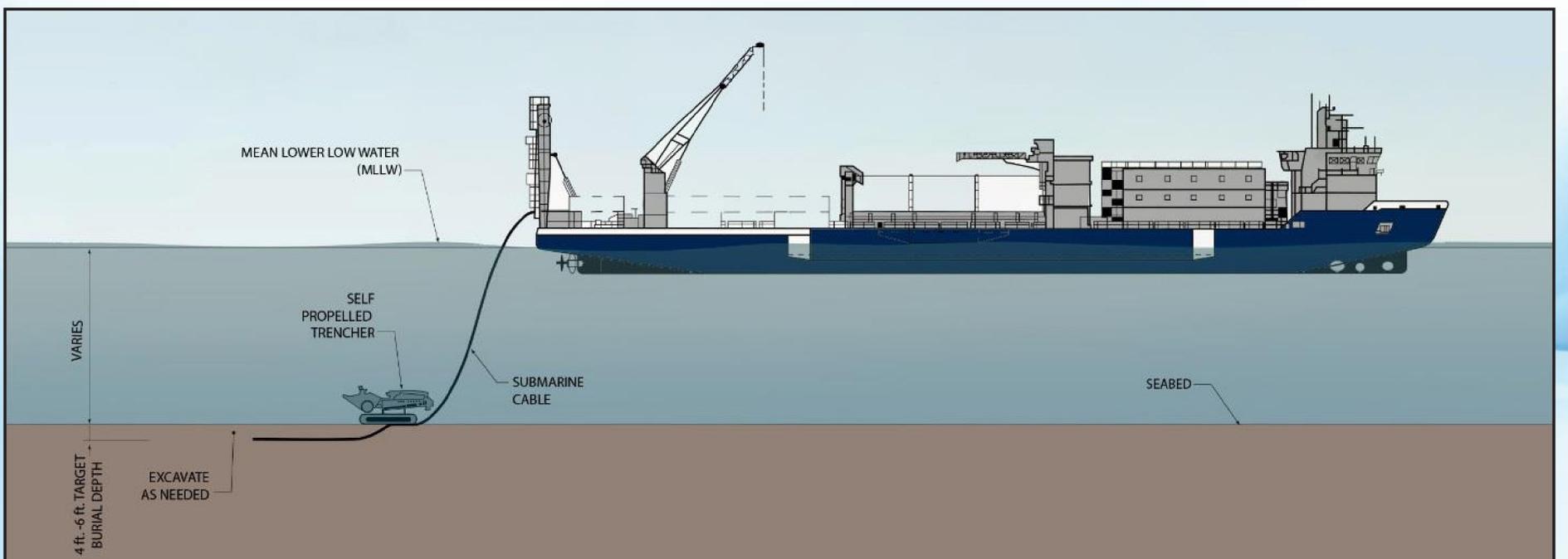
**Jet plow being lowered.**

- Revolution Wind Export Cable and inter-array cable will be installed either by a pre-trenching process or a simultaneous lay and burial process using tools such as a jet-plow, a mechanical trenching plow (see Figure 2), and/or a mechanical cutter.
- The typical target burial depth of the cable is 4 to 6 feet, with maximum trench depth of 10 feet.
- The total width of the disturbance corridor for installation of the Revolution Wind Export Cable and inter-array cable will be up to 131 ft (40 m) per cable.
- The exact cable lay advance speed depends on final cable type and seabed conditions; however, each inter-array cable will typically take 1 day to lay and bury.



**Figure 1. Map of Potential Cable Routes.**

- Construction duration of the Revolution Wind Export Cable will take approximately 8 months. Construction of the inter-array cable will take approximately 5 months.
- The mechanical plow's share cuts into the soil, opening a temporary trench which is held open by the side walls of the share, while the cable is lowered to the base of the trench via a depressor.
- The mechanical cutter employs either a cutting wheel or an excavation chain to cut a narrow trench into the seabed allowing the cable to sink under its own weight or be pushed to the bottom of the trench via a cable depressor.



**Figure 2. Illustration of cable installation of both Revolution Wind Farm inter-array cable and Revolution Wind Export Cable - Offshore.**